DASU HYDROPOWER CONSULTANTS

Dasu Hydropower Project

Joint Venture of

With sub-consultants

Address: DC Road, Tehsil Dasu, District Kohistan, KPK, Pakistan.

Phone: +92-998-407245-7 Fax: 92-998-407246 E-mail: siteoffice@dasu-dhc.com

Emergency Phone No: +51-6032283-4

Contract No: DHP-CSA01

Our Ref. No: DHC/Dasu/WAPDA/GEN/tm/23- 215 Date: 14th February, 2023

General Manager/ Project Director,
Dasu Hydropower Project,
WAPDA Office Dasu, Kohistan

Subject: **Dasu HPP - MPR No.102 for the Month of January 2023 under Assignment-B**

In pursuance of Appendix-B to the Contract Agreement for the Consultancy Services, Kindly find enclosed Fourteen (14) copies of the above Subject Report.

Sincerely yours,

Project Manager
Dasu Hydropower Consultants

Attachment: MPR No.102 (14 Copies)

Copy to:

1. All J.V. Members (1-copy each)
2. DHC Lahore Office
3. Office file

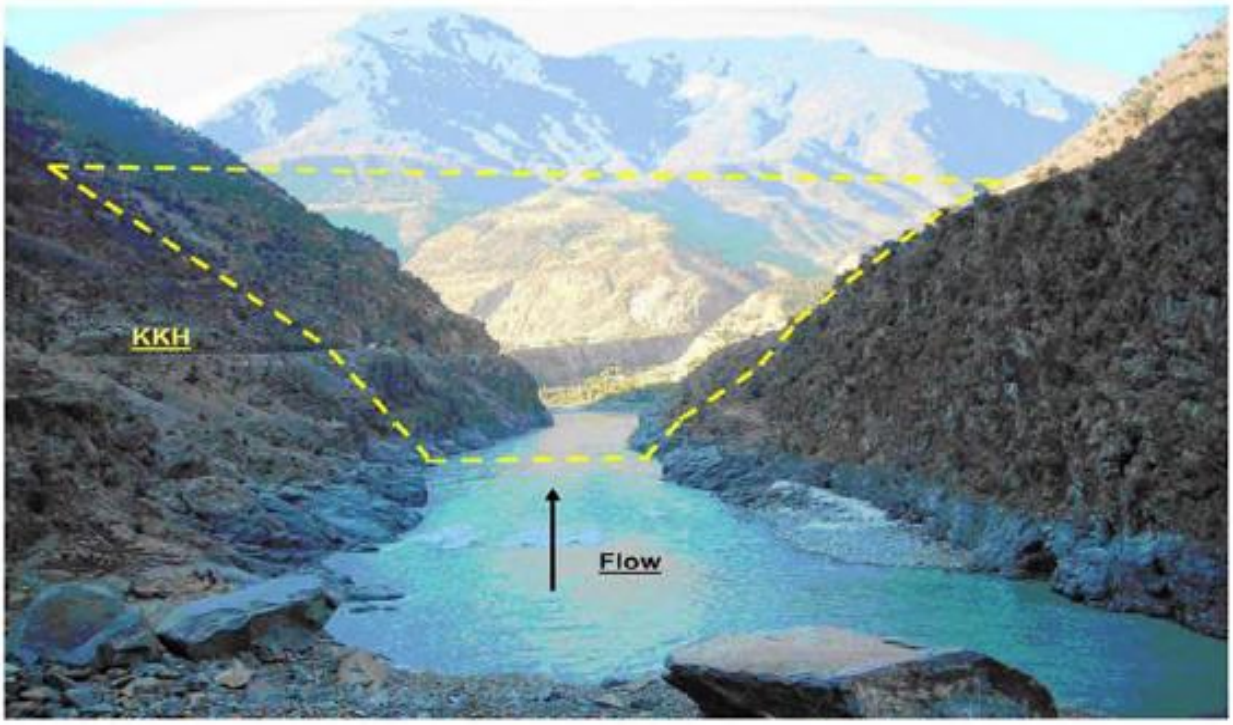
PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY

DASU HYDROPOWER PROJECT

Consultancy Services for Preparation and Implementation of Dasu Hydropower Project

Assignment – B: Construction Design, Contract Management and Construction Supervision Support

Contract No. DHP-CSA01



Monthly Progress Report No. 102

January 2023

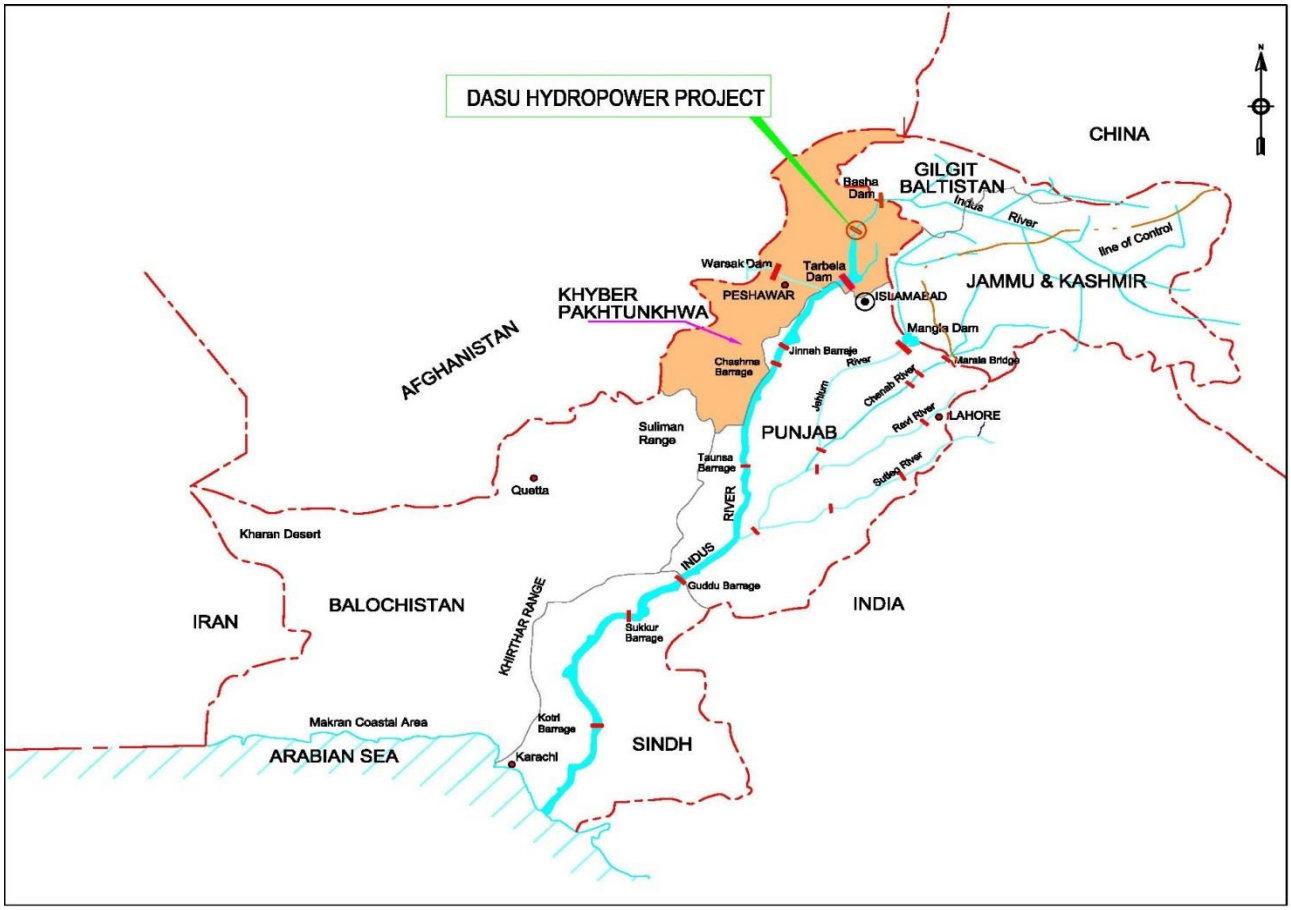
Dasu Hydropower Consultants (DHC)

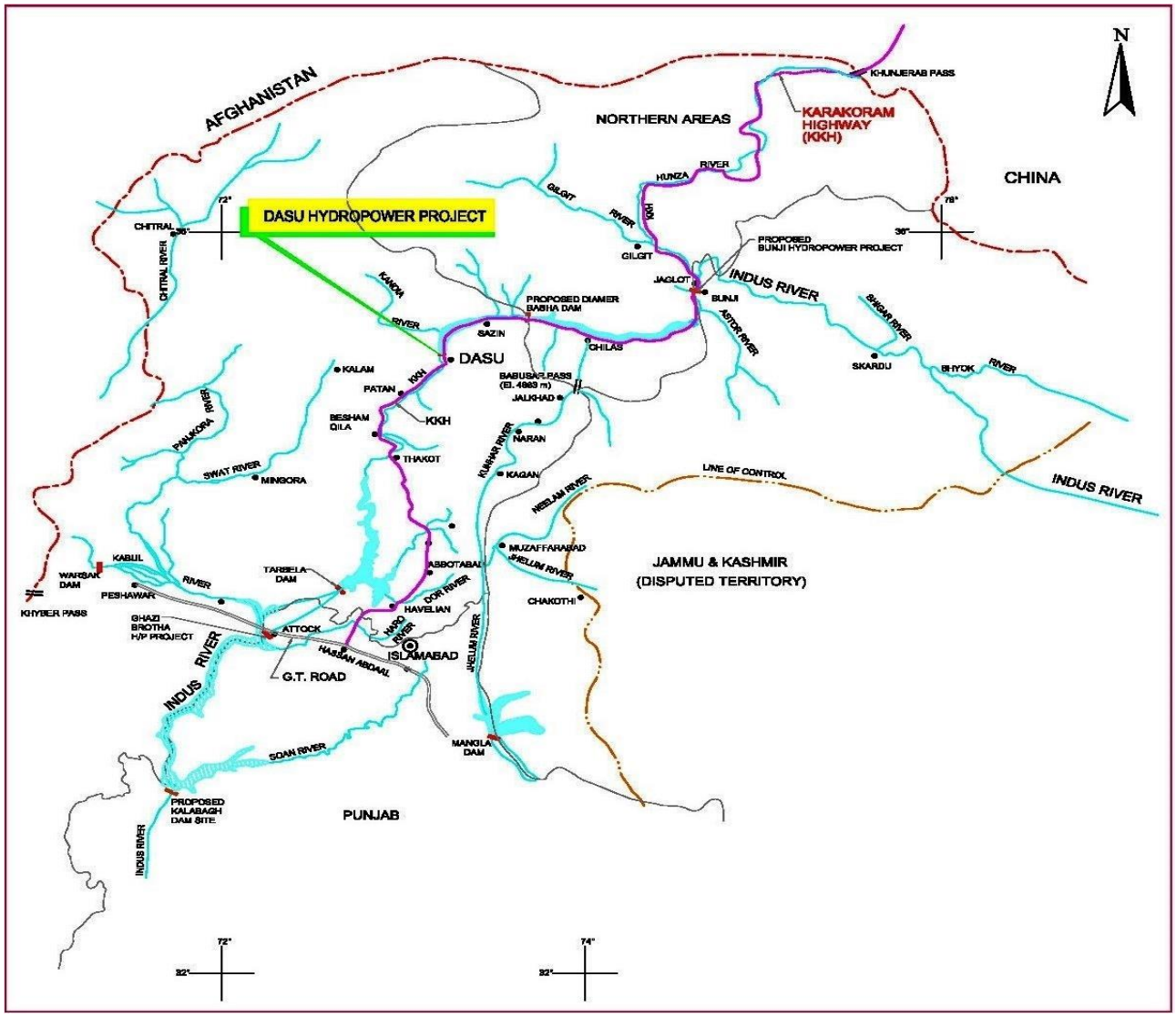
Joint Venture of

NK DOLSAR ENGINEERING

With Sub-Consultants

DMC rdc DES


DASU HYDROPOWER PROJECT
CHINA
GILGIT BALTISTAN
Basha Dam
Indus River
Line of Control
Warsak Dam
Tarbela Dam
PESHAWAR
ISLAMABAD
JAMMU & KASHMIR
KHYBER PAKHTUNKHWA
Mangla Dam
Jinnah Barrage
Chashma Barrage
Jhelum River
Chenab River
Ravi River
Sutlej River
LAHORE
AFGHANISTAN
Suliman Range
PUNJAB
Taunsa Barrage
Quetta
INDUS RIVER
Kharan Desert
Guddu Barrage
IRAN
BALOCHISTAN
KHIRTHAR RANGE
INDIA
Sukkur Barrage
Makran Coastal Area
Kotri Barrage
SINDH
ARABIAN SEA
Karachi


N
AFGHANISTAN
NORTHERN AREAS
KHUNJERAB PASS
KARAKORAM HIGHWAY (KKH)
CHINA
HUNZA RIVER
GILGIT RIVER
KKH
DASU HYDROPOWER PROJECT
CHITRAL
CHITRAL RIVER
GILGIT
PROPOSED BUNJI HYDROPOWER PROJECT
JAGLOT
BUNJI
INDUS RIVER
KANDIA RIVER
PROPOSED DIAMER BASHA DAM
SAZIN
CHILAS
ASTOR RIVER
SHIGAR RIVER
SKARDU
BHYOK RIVER
DASU
KALAM
PATAN
BABUSAR PASS (El. 4693 m)
JALKHAD
BESHAM QILA
KKH
NARAN
PANAKORA RIVER
SWAT RIVER
MINGORA
THAKOT
KUNHAR RIVER
KAGAN
NEELAM RIVER
LINE OF CONTROL
INDUS RIVER
KABUL
WARSAK DAM
RIVER
TARBELA DAM
ABBOTTABAD
MUZAFFARABAD
JHELUM RIVER
JAMMU & KASHMIR (DISPUTED TERRITORY)
PESHAWAR
DOR RIVER
CHAKOTHI
KHYBER PASS
HAVELIAN
GHAZI BROTHA H/P PROJECT
ATTOCK
HARO RIVER
ISLAMABAD
JHELUM RIVER
INDUS RIVER
HASSAN ABDAAL
G.T. ROAD
MANGLA DAM
SOAN RIVER
PROPOSED KALABAGH DAM SITE
PUNJAB
INDUS RIVER
72°
32°
74°
32°

ABBREVIATIONS

AC	Assistant Commissioner
ACE	Associated Consulting Engineers
BER	Bid Evaluation Report
BHU	Basic Health Unit
BOQ	Bill of Quantities
CAR	Contractor's All Risks
CBGT	Capacity Building through Gender Training
CCC	Central Contract Cell
CCECC	China Civil Engineering Construction Corporation
CDA	Contract Discussion Agenda
CDP	Cut of Delivery Point
CEAP	Construction Environment Action Plan
CGGC	China Ghezouba Group Company
CIDA	Canadian International Development Agency
CMTL	Central Material Testing Laboratory
CPM	Contractor's Plant and Machinery
CRE	Chief Resident Engineer
CRFG	China Railway First Group
CRM	Conflict Resolution Management
CSC	Construction Supervision Consultants
CSG	Cement, Sand and Gravel
CSMS	Country Survey and Mapping Services
CVC	Conventional Concrete
CWG	Core Working Group
DC	Deputy Commissioner
DEO	District Education Officer
DFO	District Forest Officer
DHC	Dasu Hydropower Consultants
DHO	District Health Officer
DHPP	Dasu Hydropower Project
DHQ	District Head Quarter
DHSWG	District Health Strategy Working Group
DO	District Officer
DPD	Dy. Project Director
EA	Environmental Assessment
EAR	Erection All Risks
ECNEC	Executive Committee of National Economic Council
ECPs	Environmental Code of Practices
EDMI	Electronic Distance Measuring Instrument
EHS	Environmental Health and Safety
EM	Electro Mechanical
EMP	Environmental Management Plan
EOI	Expression of Interest
ESA	Environment and Social Assessment
F&PD	Finance and Planning Department
FGD	Focus Group Discussion
FWO	Frontier Works Organization
G&CH	Gender & Community Health

GIP	Gender Implementation Plan
GIS	Geographic Information System
GLP	General Layout Plan
GOP	Government of Pakistan
GWC	Gender Core Work-Group
HHs	House Holds
HRS	Hydraulic Research Station
ICB	International Competitive Bidding
IDF	Intensity-Duration-Frequency
IPC	Interim Payment Certificate
IPOE	International Panel of Expert
KKH	Karakoram Highway
KPK	Khyber Pakhtunkhwa
LA&AU	Land Acquisition and Assessment Unit
LAA	Land Acquisition Act
LBRV	Left Bank Resettlement Villages
LLG	Local Leading Group
LLO	Low Level Outlet
LWL	Low Water Level
MFO	Manager Field Operation
MIS	Management Information System
MO	Medical Officer
MONENCO	Montreal Engineering Company
NESPAK	National Engineering Services Pakistan
NHA	National Highway Authority
NOL	No Objection Letter
NTDC	National Transmission and Dispatch Company
OHS	Occupational Health & Safety
PAC	Price Assessment Committee
PAP	Project Affected People
PCCC	Power Construction Corporation of China
PCI	Project Colony Infrastructure
PD	Project Director
PESCO	Peshawar Electricity Supply Company
PHIP	Public Health Implementation Plan
PMU	Project Management Unit
PPE	Personal Protection Equipment
PQ	Prequalification
PST	Provisional Sales Tax
RAP	Resettlement Action Plan
RAR	Right Bank Access Road
RCC	Roller Compacted Concrete
RCPB	Resettlement Compensation Passbook
RHCs	Rural Health Centres
RHSA	Rural Health Services Area
RMR	Rock Mass Rating
ROW	Right of Way
S&R	Social and Resettlement
SA	Social Assessment
SAP	Social Action Plan

SBS	Sustainable Business Solution
SCF	Safety Check Flood
SDO	Sub Divisional Officer
SIA	Social Impact Assessment
SMBR	Senior Member Board of Revenue
SRSP	Sarhad Rural Support Program
SRU	Social & Resettlement Unit
TL	Transmission Line
TMP	Trial Mix Programme
TOR	Terms of Reference
VO	Variation Order
VTC	Vocational Training Centre
W&SD	Works and Services Department
WAPDA	Water and Power Development Authority
WB	World Bank
WCAP	Water Sector Capacity Building and Advisory Services Project
WMSC	WAPDA Model Study Cell
WVCs	Women Village Committees
XEN	Executive Engineer

Salient Features of the Project

Item	Features
- Catchment Area at Dam Site	158,800 km^2
- Average Discharge at Dam Site	2,102 m^3/s
- Safety Check Flood (SCF) Pre-Basha	51,957 m^3/s
- Basic Design Flood (BDF) Pre-Basha	24,932 m^3/s
Reservoir	
- Gross Storage Capacity (El.950m)	1.41x 10^9 m^3
- Operational Storage Capacity	0.82x 10^9 m^3
Water Level	
- Flood Water Level under SCF	EL. 959.46 m
- Flood Water Level under BDF	EL. 951.28 m
- Full Supply Level (FSL)	EL. 950.00 m
- Low Water Level (LWL)	EL. 900.00 m
Diversion Tunnel (revised)	
- No. and Shape	2 No, D-shape
- Size and Lining	20 m (W) x 23 m (H), Invert concrete and shotcrete lined
- Length	Tunnel-A: 1,508 m, Tunnel-B: 1,333 m
Main Dam	
- Location	N = 35°19´6.61” E = 73°11’41.33”
- Type	Gravity Dam, RCC type
- Maximum Height above Foundation	242 m
- Crest Elevation/Length (Curved)	EL. 957.0 m/570.0 m
- RCC Volume	4.08 x 10^6 m^3
Spillway	
- Number of Bays	8
- Spillway Gates	Radial, 16.5 m (W) x 22.4 m (H)
- Spillway Stoplog	1 No. (Slide, 16.5 m (W) x 22.0 m (H) with gantry crane)
- Maximum Discharge Capacity under SCF	45,097 m^3/s
- Plunge Pool	162.26 m from dam toe
Low Level Outlet	
- Number and Size	9 No. (Circular, 6.4 m diameter, L=180.233 m)
- Type and Size of Gates	Maintenance gates: fixed wheel, 8.4 m (W) x 8.4 m (H) Guard gates: fixed wheel, 5.1 m (W) x 6.4 m (H) Regulating gates: Radial, 5.1 m (W) x 6.4 m (H)
- Discharge Capacity under SCF	12,157 m^3/s by 9-LLO at El.955.67 m 2,756 m^3/s by 2-LLO at El.959.46 m
Flushing Tunnel	
- Number and Size	2 No. (Circular, 9.5 m diameter, L = 820 m / 680 m)
- Type and Size of Gates	Stop logs: 4.75 m (W) x 9.5 m (H) Guard/Regulating gates: Roller, 4.0 m (W) x 9.5 m (H)
- Discharge Capacity under free flow	1,060 m^3/s per tunnel
Power Intake	
- Number and Shape	5 No, D=12 m, Flatbed type (1 No. for Future Extension)
- Removable Trash rack	4 sets
- Intake service gates	2 No, fixed wheel, 9.5 m (W) x 12.5 m (H) (finally 4 No.)
- Intake maintenance stop log	2 No, slide, 9.5 m (W) x 12.5 m (H)

Item	Features
- Intake gantry crane	1 No, for operation of stop logs and trash racks
Power Tunnel	
- Number and Shape	2 No, circular (After complete Stage II: 4no)
- Size and Lining	D=12 m, concrete lined
- Steel manifolds and branch pies	4 No, D=12.5 m to 5.5 m
- Average Length incl. shaft	450 m
Power Generation	
- Installed Capacity	2,160 MW (after completion of Stage II: 4,320 MW)
- Generating Units	6 No (after completion of Stage II: 12 No), Francis turbines
- Generating Unit Capacity	360 MW, 166.7 rpm
- Powerhouse Location	Underground, left bank
- Powerhouse Cavern L × W × H	212 m (424 m) × 31 m × 62 m
- Transformer Cavern L × W × H	212 m (424 m) × 22 m × 33.5 m
- Maximum Gross Head under 12-unit operation	187.17 m
- Design Head	179.51 m
- Rated Discharge	1,335 m^3/s for 6 units, 2,670 m^3/s for 12 units
- Rated Voltage	16.5 kV
- Annual Energy Production Pre-Basha	12,225 GWh (18,432 GWh)
- Plant Factor	49%
Tailrace Tunnel	
- Number and shape	2 No (after completion of Stage II 4 No), D-shaped
- Size and lining	10 m (W) x12.5 m (H) concrete lined
- Discharge per Tunnel	667.5 m^3/s
- Average Length	2,152 m incl. draft tunnel
- Surge Chamber	2 No (after completion of Stage II: 4 No), D=37 m, H=56 m
- Surge Chamber Stop logs	4 No slide, 6.2 m (W) x 7.8 m (H) with gantry crane
- Tailrace Outlet Gates	4 No (after completion of Stage II: 8 No) fixed wheel, 9.0 m (W) x 8.0 m (H)
Tail Water Level	
- Flood Water Level under SCF	EL. 778.39 m
- Tail water level under 12-unit operation	EL. 762.83 m
- Tail water level under 3-unit operation	EL. 759.24 m
Power Transmission	
- Transmission Voltage	765 kV (AC)
- Powerhouse Substation	765 kV GIS, Underground
- Take-off Switchyard	765 kV AIS, Surface
Relocation of Karakoram Highway (KKH)	62 km
Right Bank Access road from Komila to Uttar Gah Via Dam Crest	81 km
Major Project Roads	
- Access to Left Abutment of Dam Crest from Relocated KKH via Switchyard	2.4 km

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1 EXECUTIVE SUMMARY

This Monthly Progress Report (MPR) for the Consultancy Services for Dasu Hydropower Project (hereinafter called as the Project) describes the Consultants activities carried out during the reporting month.

1.1 Major Events

(1) Four-member World Bank Team visited DHPP during January 4-6, 2023 for reviewing the DHPP progress. The World Bank team included Advisor (Mr. Masood Ahmed), Sr. Social Development Specialist (Mr. Imran-ul-Haq), Senior Environmental Specialist (Mr. Ahmed Imran), and Consultant Land Acquisition (Mr. Fareed Ahmed).

The World Bank Team was briefed about the progress and issues of Land Acquisition and Resettlement Sites. The progress of ESMR was also shared. The World Bank Mission Team met with the Deputy Commissioner and Land Acquisition Collector to expedite the acquisition of acquired land and relocation of houses from the priority areas as they have received compensation payments and all project allowances. The Deputy Commissioner was also requested to resolve the issue of water source related to resettlement sites as early as possible. The team also visited Uchar-1 resettlement sites. The S&R Team presented the progress of their respective sections. The World Bank Team also had a detailed meeting with the new LADP consultants. The scope of work and plan of work was discussed in detail.

(2) Chairman's (WAPDA) visit to Barseen Camp on 3rd January 2023. The GM/PD of WAPDA gave briefing regarding the ongoing works of DHPP.

The Chairman WAPDA showed grave concern regarding the slow progress of the works especially RAR-02 and KKH-02 of CGGC. The Contractor (CGGC) pledged to expedite the progress this year by increasing the required resources and will achieve the river closer milestone of the diversion tunnels in this low flow season.

The issues which the Contractor is facing were also discussed and the Contractor was assured for the early settlement. The Chairman also visited diversion tunnels, cutoff wall and inaugurated the Project office building of the Colony.

(3) Meeting held with the Board of Members at Dasu site on 10th and 11th January 2023. The members were briefed regarding the adjusted river closure scheme and progress of ongoing works. BOMs also met with the GM/PD regarding the issues and way forward for the enhancement of the project.

(4) On 17th January 2023 meeting held with the Director (Coordination and Management) regarding the progress and issues.

(5) During January 2023, an amount of PKR 20,024,312/- was paid as compensation payment to 18 PAPs of 07 components. A total of 22 cheques were issued by DC office.

By the end of January 2023, a total amount of PKR 19.41 billion was paid, including PKR 19.07 billion to 7,889 PAPs through 11,693 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

1.2 Procurement Status

The Procurement Status of Contracts for Preparatory Works, Resettlement Works and Main Works is summarized as follows: -

The following table presents the Procurement/Award Status for the Preparatory and Main Work's Contracts.

Table 1.1: Procurement Status of Preparatory and Main Works Contracts

Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
1	MW-01: Main Hydraulic Structure, Spillway, Low-Level Outlets, River Diversion, and Hydraulic Steel Structures	29.12. 2016	08.03. 2017	23.06. 2017	22-1-2023	China Ghezouba Group Company Limited (CGGC)s
2	MW-02: Under Ground Power Complex, Tunnels and Hydraulic Steel Structure	29.12. 2016	08.03. 2017	23.06. 2017	21-2-2023	China Ghezouba Group Company Limited (CGGC)

Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
3	EM-01: Procurement of Plant Design, Supply, Installation, Testing & Commissioning of Hydro-Mechanical and Electrical Equipment	22.10. 2019	25.11. 2019	20.5. 2020	19-6-2025	G.E. Hydro China Co. Ltd. & Power China Zhongmei Engineering Corporation Ltd. Joint Venture (GE-PC JV)
4	KKH-01: Relocation of Karakoram Highway from KM 0+000 to 25+200	09.02. 2015	16.03. 2015	24.08. 2015	20-2-2017	China Civil Engineering Construction Company (CCECC)
5	RAR-01: Construction of Right Bank Access Road from Komila to SEO Dam Site	09.02. 2015	16.03. 2015	24.08. 2015	22-8-2016	China Civil Engineering Construction Company (CCECC)
6	TL-01: Procurement, Design, Supply, Installation, Testing & Commissioning of 132 kV Single Circuit Transmission Line and Grid Station (From Switchyard Dubair Khwar to proposed Grid Station Dasu)	03.03. 2015	24.04. 2015	02.11. 2015	18-6-2016	Power China Corporation Company (PCCC)
7	Resettlement of Villages Left Bank of Indus River LBRV-11	27.02. 2017	20.04. 2017	26.12. 2018	25-12-2019	Zhongmei Engineering Group Limited
8	Resettlement of Villages Left Bank of Indus River LBRV-12	27.02. 2017	20.04. 2017	26.12. 2018	25-12-2019	Zhongmei Engineering Group Limited
9	RAR-02: Construction of Right Bank Access Road from Dam Site to Uttar Gah	22.06. 2016	18.01. 2017	20.12. 2021	18-5-2023	China Ghezouba Group Company Limited (CGGC)
10	KKH-02: Relocation of Karakoram Highway from KM 25+200 to 62+213	27.02. 2017	25.04. 2017	Commencement Letter not yet issued/ Land Issue		China Ghezouba Group Company Limited (CGGC)
11	Right Bank of Indus River RBRV-11	27.02. 2017	25.04. 2017	Commencement Letter not yet issued/ Land Issue		China Railway 17th Bureau Group Co. Ltd. (CR17B)
12	PCI-01R: Project Colony & Infrastructure (Rebid)	27.08. 2017	18.10. 2018	20.5.2019	17-5-2021	China Gansu International Corporation for Economic and Technical Cooperation (CGICOP)
13	RV: Resettlement of Village Choochang & Construction of Shatial Museum (Re-Bid)	23.04. 2019	18.06. 2019	18.06. 2019	15-12-2020 & 16-10-2019	Khyber Grace (Pvt.) Limited (KGL)

(1) The Contracts DASU-PCI-01R and DASU-RV were terminated due to a breach of the Contracts by the Contractor M/s CRFG. Hence, both the Contracts were re-awarded.

The following table presents the current status of the procurement process for the Preparatory Contracts - to be awarded.

Table 1.2: Procurement Status of Preparatory Contracts to be Awarded

Sr. No.	Contracts Name	Specific Procurement Notice for Prequalification Application		Invitation for Bid (IFB)	Pre-Bid Meeting	Final Bid Submission/ Opening Date
		Opening	Closing			
1	RAR-03: Construction of Right Bank Access Road from Uttar Gah to Shatial	Revised draft PQ Documents were submitted to WAPDA on 10th April 2017. Comments of CCC were received and after incorporating said comments the PQ documents were resubmitted to WAPDA on 31st May 2017.				
2	PCI-02: Project Colony & Infrastructure	Revised Draft Bidding Documents were submitted to the Employer for review, comments, and further processing via CCC and the World Bank in Jan. 2018.				
3	Resettlement of Villages Left Bank of Indus River LBRV-13- Right Bank of Indus River RBRV-12	The Design Phase is subject to the agreement of the Design by the Local Affectees.				
4	Resettlement of Villages RV-01 & RV-02	RV-01 - Resettlement plan of one resettlement site has been finalized. It is yet to be decided to make it a part of another Contract package. RV-02 - The process of identifying/finalizing a suitable site location.				
5	TL-02: 11kV Distribution Line to Resettlement Villages	Under review to enable the procurement process to be handled by the Local Area Development Fund. The proposal on the Integration of Rural Electrification by 11kV DL was submitted on 9th December 2016.				
6	VTC-01: Vocational Training Centers for Men and Women	Draft Bidding Documents already submitted to WAPDA. The location for establishing a VTC facility in Dasu is still under DC's review and its suitability including the provision of staff and skilled trainers is to be confirmed by MD KPK-TEVTA Peshawar already requested by the Employer via letter dated 19th October 2020.				

2 PROJECT DESCRIPTION

The Project is located at 7 km North of Dasu village in the Kohistan District of the Khyber Pakhtunkhwa Province, and 350 km North from Islamabad, the capital city of Pakistan. The dam site is 74 km downstream from the Diamer Basha Dam site along the Indus River. The Dasu reservoir will be extended to just downstream of the Diamer Basha dam axis.

Pakistan is rich in natural resources including hydropower potential. However, only small portion of hydro potential (about 15%) has since been developed, but a large portion of the same is yet to be harnessed.

The Project was initially identified as a potential power project in the Ranking and Inventory Study in 1981 with financial assistance from the Canadian International Development Agency (CIDA). In this study, Montreal Engineering Company (MONENCO) was engaged to undertake the preparation of inventory and ranking study of the potential water storage and hydropower generation sites along the upper reaches of the Indus River and its tributary in the upstream of Tarbela Dam. MONENCO submitted the study report in 1982, in which they proposed 25 major potential sites on the main rivers, each having an installed capacity of more than 100 MW. Nine of these projects are located on Indus River and the Project was ranked second on the upper Indus River following the Diamer Basha Dam Project.

To cope with the increasing water and power demands of the country, WAPDA prepared "Water Resources and Hydropower Development - Vision 2025 Program", which was approved by the Government of the Pakistan (GOP) in 2001. This program envisaged exploitation of the potential water resources of Pakistan for irrigation, hydropower generation and water supply. The projects in the program were planned to be phased over a period of twenty-five years as shown in the following Table:

Table 2.1: Implementation of Vision 2025 Program

Project Category	Period of Implementation	Phase
Short Term Project	2001-2006	I
Medium Term Project	2006-2011	II
Long Term Project	2011-2025	III

The Project is included in Phase III of the Vision 2025.
The GOP approved PC-II of the Project in 2003 for 1) feasibility study and 2) detailed engineering design and tender documents. The feasibility study of the Project (the Feasibility Study) was prepared by the Consultants comprising a joint venture of NESPAK, ACE, COLENCO and MWH in association with Binnie and Partners (Overseas) and completed in February 2009.

The detailed design work started from September 2011 and substantially drafted up in the beginning of 2013 and finalized in July 2014 after incorporating comments received from relevant departments of WAPDA and Panel of Experts. When the detailed design was substantially completed in February 2013, the implementation of the Project was formulated with four-phased development as follows:

- **Stage-I**
  - **Phase-1:**
    Construction of the dam with full height including whole gate facilities for such as spillway, Low Level Outlet (LLO) and flushing tunnels; full construction of power intake; one waterway tunnel until the tailrace outlet; underground powerhouse complex for 3-unit generating equipment; control building with 1 bay of transmission line at switchyard.
  - **Phase-2:**
    Second waterway tunnel until the tailrace outlet; underground powerhouse complex for another 3-unit generating equipment; 1 bay of transmission line at switchyard.
- **Stage-II**
  - **Phase-3:**
    Third waterway tunnel until the tailrace outlet; underground powerhouse complex for another 3-units generating equipment; 1 bay of transmission line at switchyard.
  - **Phase-4:**
    Fourth waterway tunnel until the tailrace outlet; underground powerhouse complex for another 3-unit generating equipment; 1 bay of transmission line at switchyard.

However, through the discussion among the relevant authorities of GoP, **WAPDA decided to develop the Dasu Project with two stages: Stage-I comprising Phase-1 and Phase-2 implemented simultaneously and Stage-II being of Phase-3 and Phase-4.** This stage-wise development was stated in PC-I Document, which was approved by ECNEC in March 2014.

Structural components for each stage are shown in the following Table:

Table 2.2: Structural Components for Each Stage

Facilities	Description	Stage I	Stage II
Dam	242m high dam 8 spillways with gates 9 LLO with gates 2 flushing tunnels with gates	Completion of all facilities listed in Description of Dam	
Power Intake &Tunnel	5 intake and shafts with 5 gates. 4 Power tunnel	5 intake and shafts with 2 gates 2 power tunnels	Another 2 gates 2 power tunnels
Underground Powerhouse Complex	Cavern for 12-unit GE space and installation of 12 GE units Cavern for 12-unit GIS space and installation of 12 GIS units 4 surge chambers 4 tailrace tunnels incl. these outlets. 4 bays with Control Building	Cavern for 7-unit GE space and installation of 6 GE units Cavern for 7-unit GIS space and installation of 6 GIS units two surge chambers Two tailrace tunnels incl. these outlets. two bays with Control Building	Cavern for 5-Unit GE space and installation of 6 GE units Cavern for 5-unit GIS space and installation of 6 GIS units two surge chambers, two tailrace tunnels two bays
T/L	765 kV T/L, 2 lines, double circuit	765kV 2-line, double circuit	
Installed Capacity	4,320 MW	2,160 MW	2,160 MW
Energy Production		12,225 GWh/year	18,432 GWh/year

The following preparatory works are required to be completed before the start of Stage-I as listed in above table:

- Relocation of KKH (62 km)
- Construction of Right Bank Access Road (81 km)
- Construction of WAPDA O & M Staff Colony
- Construction of 132 kV Transmission Line from Dubair to Dasu Town Grid Station
- Resettlement and environment mitigation measures
- Dismantling of bridges over Indus River.

The project layout plan and implementation schedule are shown in Figures-1 and 2 respectively.

3 CONSTRUCTION SUPERVISION CONSULTANTS ACTIVITY

3.1 Contract for the Consultancy Services

The Contract for Consultancy Services for preparation and implementation of Dasu Hydropower Project under Sub Component B4 of WCAP of World Bank was awarded by WAPDA to the Dasu Hydropower Consultants (DHC) consisting of the Joint Venture of Nippon Koei Co., Ltd. (NK, Japan) (Lead Firm) and Dolsar Engineering Inc. Co. (Dolsar, Turkey), Development & Management Consultants (DMC, Pakistan), National Development Consultants (Pvt.) Ltd. (NDC, Pakistan) and Pakistan Engineering Services (Pvt.) Ltd. (PES, Pakistan) as Sub Consultants.

The Contract agreement between WAPDA and the Consultants was signed on 19th September 2011 under contract number DHP-CSA01.

General Manager Dasu Hydropower Project of WAPDA is the representative of the client and is responsible to coordinate all interfaces with the relevant departments of WAPDA. The Project Manager Dasu Hydropower Consultants is the contact person of the Consultants team.

The Consultants have established site office and hostels for their staff at Dasu for execution of various construction activities including Social & Environmental Program.

Presently the main activities under Consultants obligations are Construction Supervision of ongoing Contracts.

Five Amendments agreed up to are summarized below.

Amendment No.	Reason
1.	- Execution of additional study and field investigations so as to satisfy the design conditions under Pre-Basha status, IPOE's comments and the Bank's requirements. - Provision of Extension of Time (4 months) to manage delayed bidding procedure (Assignment-A)
2.	- Updating and adjusting the manning schedule and associated cost before starting of supervision stage (Assignment-B)
3.	- Application of PST (Provincial Sales Tax) that has been introduced during execution of consultancy services
4 (A)	- Updating and adjusting of remuneration and reimbursable cost
4 (OHS)	- Inclusion of new Sub-Consultants for Occupational Health & Safety (OHS) Services
4 (B)	- Time extension, updating and revision of implementation schedule and associated cost

The organization chart of the Consultants is presented in Figure-3 to comply with the work activities under Assignment-B.

3.2 Objectives and Scope of Work

The objectives and scope of the Consultancy Services specified in the Terms of Reference (TOR) are as follows:

3.2.1 Objectives

The main objective of the proposed consultancy services is to support Water and Power Development Authority (WAPDA) in project preparation studies including

- **Assignment-A:** Preparation of Detailed Engineering Designs, Bidding Documents and PC-I including engineering, economic, environmental and social studies and
- **Assignment-B:** Contract Management and Construction Supervision of all works and activities included under the Dasu Hydropower Project.

These works will be carried out according to International Standards, which will form the basis for project appraisal by the World Bank and the Government of Pakistan.

3.2.2 Scope of the Services

As noted above the objectives of the Consultants are divided into two assignments (Assignment-A and Assignment-B). Assignment-A covers the preparation of detailed engineering design, bidding documents, PC-I and support to the client during tendering and Assignment-B for contract management and support to the Client during construction supervision.

The original Scope of Services for Assignment B: Contract Management and Support to the Client during Construction Supervision was revised during the Assignment A, based on WAPDA's and the World Banks requirements for implementation and combining both Services for Phase-1 and Phase-2, which is called Stage-I. The Revised Scope of Services for Assignment B is as follows:

i. Tendering, contracting and preparation of construction design.
ii. Supervision of investigations including hydraulic model tests and RCC trial mix tests in succession of Assignment- A.
iii. Support to the Client during tendering and evaluation of bids for Stage-I; preparation of prequalification documents, evaluation of EOI application and prequalification notices, attendance of pre-bid conference, assisting WAPDA for replies of question and issuance of addendum if required; evaluation of bids and negotiation and award of the Contract.
iv. Assignment as “The Engineer” for work contracts for approval of drawings and role of the “Engineer”.
v. Construction supervision for Stage-I; monitoring of work progress and payment progress; review and approval of construction methods & schedules to be prepared by the contractors.
vi. Project management for Stage-I, and support in implementation of EA/EMAP, SA/SAP, procurement and financial management.
vii. Review and approval of the contractors environmental management action plans, supervision of implementation of EMAP, review of EMAP and update the EMAP if required, regularly reviewing and assessing environmental risks throughout the construction phase, training of WAPDA’s environmental staff for effective environmental management at site.
viii. Preparation of monthly and quarterly progress reports for submission to WAPDA, and the World Bank.
ix. Preparation of Tender documents of Stage-II: support to the Client during preparation of bidding documents, replies to questions, issuance of addendum if required, evaluation of bids, negotiation and award of Contract.

3.2.3 Reports and Documents

The Consultants are required to prepare reports in English and provide copies of the reports to the Government and the World Bank as mentioned in the following Table:

Table 3.1: List of Reports and Documents to be provided

Sr. No.	Assignment B	Numbers of Copy
1.	Progress Reports including Monthly and Quarterly Reports	10
2.	Detailed Engineering Design Report consisting of a Report for Design of the Project works, Definition of the Project, Cost Estimates, Economic and Financial, Environmental and Social Analysis, Implementation Plan etc.	50

Sr. No.	Assignment B	Numbers of Copy
3.	Bidding Documents: Bidding Documents for all Civil Works, Hydraulic, Electrical and Mechanical equipment, BOQs, Tender Cost Estimates and Technical Specification for each lot separately.	50
4.	Engineers Estimate for each Lot Separately	5
5.	Contractors Pre-qualification Document for each Lot Separately	30
6.	Contractors Pre-qualification Evaluation Report for each Lot Separately	As required
7.	Contractors Bids Evaluation Report for each Lot Separately	As required
8.	Construction reports, quarterly reports, annual work plans	10
9.	Project implementation status reports quarterly, annual	10
10.	Implementation status report for EMP, SAP, RAP and work plans etc. on regular basis	10
11.	Minutes of Weekly/bimonthly/monthly meetings held with Contractors	10
12.	Correction/Amendment in Drawing submitted by Contractor	10
13.	Operation Manual for M&E Equipment	10
14.	Operation Manual for Civil Structures	10
15.	Operation Manual for Gates and Hydraulic Steel Structures	10
16.	Completion Reports	10
17.	Initial Inspection Report before start of Operation	10
18.	Initial Inspection Report after four months of Operation	10
19.	Testing Report at M&E Manufacturers premises	10

3.2.4 Commencement of the Services

Assignment – A

The Consultants commenced the Services with effect from 19th September 2011 at the same time when the Contract was signed. The services for Assignment-A were completed on 31st July 2014.

Assignment – B

The work on the Assignment-B has been initiated with effect from 1st August 2014. The Overall progress for Assignment B is shown in Figure-4.

3.3 Staffing Status

Summary of Man Months for Assignment-B is summarized in the following Table:

Table 3.2: Summary of the DHC Staff MMs

Members	MMs as per Approved AM-4 (B)	MMs Consumed up to previous month	MMs Consumed during the month	Accumulated MMs
(1)	(2)	(3)	(4)	(5)=[3+4]
NK	1,196.70	865.48	13.18	878.66
Dolsar	520.96	360.15	7.63	367.78
Locals	8,950.44	5,824.33	96.57	5,920.90

Details of Technical and Non-Technical Staff in Lahore and Site Office are shown in the following Table:

Table 3.3: Total DHC Staffing on the Project

Sr. No.	Place of Work	Technical Staff		Non-technical Staff	Total Staff
		Expatriate	Local		
1	Lahore Office	-	1	24	25
2	Head Office Dasu	23	108	246	377
Grand Total					**402**

The man-month status of each of the Consultants Staff is summarized in Appendix B

Table 3.4: Arrival of DHC Expatriates at Project

Sr. No.	Name of Staff	Position/Designation	Date of Arrival/Joining	Name of Firm
1	Mr. Serkan Harmandar	Tunnel Design Review Engineer	04th January 2023	Dolsar
2	Dr. Masud Karim	Environmental Advisor B / OHS Expert	05th January 2023	NK
3	Mr. Tatsuya Miyazato	Deputy Project Manager B	06th January 2023	NK
4	Jhon Gordon Allan	Head of Contracts	06th January 2023	NK
5	Mr. Neil White	Contract Engineer-1	07th January 2023	NK
6	Mr. Burhan Arioz	Transmission Line and Grid Station Specialist	09th January 2023	Dolsar
7	Juan Carlos Hernandez	Schedule and Analysis Specialist	13th January 2023	NK

Table 3.5: Departure of DHC Expatriates from Project

Sr. No.	Name of Staff	Position/Designation	Date of Departure	Name of Firm
1.	Mr. Halusi Haluk Cebeci	Resident Engineer RAR-01 & KKH-01	15th January 2023	Dolsar
2.	Mr. Naguyen Huu Duong	Assistant Design Engineer	17th January 2023	NK
3.	Mr. Serkan Harmandar	Tunnel Design Review Engineer	19th January 2023	Dolsar
4.	Mr. Ali Murat Ozbek	Construction Technical Advisor-3	21st January 2023	NK
5.	Dr. Masud Karim	Environmental Advisor B / OHS Expert	24th January 2023	NK
6.	Mr. Naim Karaman	Deputy Project Manager C	25th January 2023	Dolsar

Table 3.6: Mobilization of DHC Local Technical Staff at Project

Sr. No.	Name of Staff	Position/Designation	Date of Joining	Name of Firm
1.	Mr. Muhammad Riaz	Chief Engineer Electrical	17th January 2023	NDC
2.	Mr. Fazal Hussain	Sr. Quantity Engineer	18th January 2023	NDC
3.	Mr. Muhammad Sohaib	Traffic Engineer	25th January 2023	Halcrow

Table 3.7: Demobilization of DHC Local Technical Staff from Project

Sr. No.	Name of Staff	Position/Designation	Date of Demobilization	Name of Firm
1.	Mr. Muhammad Riaz	RE Transmission Line	17th January 2023	NDC

3.4 Major Activities of Construction Supervision Consultants

3.4.1 Construction Supervision

The Consultants are currently undertaking Construction Supervision Service on the followings Contract Packages:

i. Dasu-KKH-01
ii. Dasu-KKH-02`
iii. Dasu-RAR-01
iv. Dasu-RAR-02
v. Dasu-TL-01
vi. Dasu-MW-01
vii. Dasu-MW-02
viii. Dasu-LBRV-11
ix. Dasu-LBRV-12
x. Dasu-PCI-01R
xi. Dasu-RV
xii. Dasu-EM-01

Details of the progress and activities of the above Contract packages during the month are discussed in Chapter 4 - Construction Activities.

Reports submitted during the month under report to WAPDA for review and comments are listed in Appendix-C.

3.4.2 Procurement, Contract Administration and Measurement

The primary responsibilities of the Contracts Section are to assist the PMU and DHC Management in the Procurement (Pre-Qualification, Tendering and Evaluation) Phase of the Project Construction Works, administer the signed Contracts, and to provide contractual and management related advice to the Resident Engineers and Site operatives.

The Consultants continue to provide Contract Administration and Quantity Surveying Staff to support the Site activities for the signed Contracts. Details of the interim payment certificates, claims/notifications, and varied works are given in Appendices G, H, and I.

For a variety of reasons, completion of the Works within the Time for Completion specified in the Dasu-KKH-01, Dasu-RAR-01, Dasu-TL-01, LBRV-11, LBRV-12, DASU-RV and PCI-01R Contracts has not been possible and the dates indicated within these Contracts have passed. Therefore, for programming and management and to avoid the Contracts being at large, the Consultant has determined the 1st, 2nd and 3rd interim Extension of Time for Dasu-KKH-01, Dasu-RAR-01 and Dasu-TL-01, the 1st interim Extension of time of LBRV-11, LBRV-12 which were approved by the Employer

and World Bank (except KKH-01). The 1st EOT case for the Contract DASU-RV has also been processed and approved by the Project Manager.

However, as the delaying events have a continuing effect, and the revised Times' for Completion have expired for aforesaid Contracts.Therefore, approval of the further interim Extension of Time for KKH-01 and 4th EOT for TL-01 & RAR-01, and 1st EOT for PCI-01R is under process.

The Engineer/Project Manager continues to hold regular consultation meetings with the Contractors to process their Claims and achieve equitable settlements.

Particular tasks completed in this month relate to:

a) Contract ICB No. Dasu-MW-01 & DASU-MW-02

- The Engineer provided his assessment report to the Employer and the Contractor on 14 July Blast Incident. [MW-01 & MW-02]
- The Engineer instructed the Contractor to provide the schedule delay analysis for Prolongation claim. [MW-01 & MW-02].
- The Engineer provided an assessment report on the Contractor's claim for additional cost due to changes in legislation to the Contractor and Employer. [MW-01 & MW-02]
- The Engineer requested the Employer to provide assistance to the Contractor to obtain NOC for vehicles from the authorities. [MW-01].
- The Engineer instructed the Contractor to pay the hire charges of the Helicopter services to the NLC as instructed by the Employer. [MW-01]
- The Engineer advised the Contractor on payment methodology for provision of administrative items for security staff at Kass camp. [MW-01]
- The Engineer instructed the Contractor to extend the insurance policies due to extension of time as contractual obligation. [MW-01]
- The Engineer requested the Employer to confirm the agreement on acceleration award against key milestone of river closure. [MW-01]
- The Engineer instructed the Contractor to pay for hire charges of helicopter services to the NLC. [MW-01]
- The Engineer instructed the Contractor to provide the requisite documents for claim for additional charges due to change in legislation. [MW-01 & MW-02]
- The Engineer instructed the Contractor to provide his consent on new charging rate proposed by the NLC for helicopter services. [MW-01]
- The Engineer requested the Employer to provide his consent on the Engineer's evaluation of granting 103 days as EOT-3. [MW-01 & MW-02]
- The Engineer submitted his response to the Employer on the tax deduction on cost price on LNG claim determination. [MW-02]
- The Engineer provided clarification on the points raised by the Contractor on Engineer's determination on LNG claim. [MW-02]

b) Contract ICB No. Dasu-LBRV-11 & LBRV-12

- The Engineer provided his response to the Employer on adjustment for change in legislation-Employer's Notice to claim. [LBRV-11 & LBRV-12]
- The Engineer issued notice to correct to the Contractor on his demobilization of equipment from site without the consent of the Engineer. [LBRV-11 & LBRV-12]

c) Contract ICB No. Dasu-PCI-01R

- The Engineer acknowledged and registered the Employer notice to claim to the Contractor for adjustments in KPST on services.
- The Engineer instructed the Contractor to register his workers with EOBI Abbottabad region.

d) Contract ICB No. DASU-RAR-01:

- The Engineer advised the Contractor to include the certified claimed amount for site management overhead cost in his next IPC.
- The Engineer intimated the Employer regarding the Contractor's agreement on the Engineer's determination on the Contractor's site management and overhead claim.
- The Engineer provided his determination on the Contractor's claim for additional cost incurred for site management and overhead during extended period.

e) Contract ICB No. DASU-RAR-02:

- The Engineer provided his assessment report to the Employer and the Contractor on 14 July Blast Incident.
- The Engineer issued notice to correct to the Contractor due to slow progress.
- The Engineer requested the Employer to provide a formal letter with instruction to extend the advance payment guarantee to the Contractor for banking formalities.
- The Engineer instructed the Contractor to provide requisite documents in support of the claimed amount in IPC.
- The Engineer requested the Employer to provide his consent on the Engineer's evaluation of 103 days EOT due to blast incident.

f) Contract ICB No. TL-01

- The Project Manager submitted the evaluation of the Contractor's claim for additional payment due to market inflation for extended period.
- The Project Manager issued Interim Payment Certificate IPC No.65 for further Employer's approval.
- The Project Manager provided his response to the Employer on audit para regarding undue issuance of change order of Rest. 46.6 million.
- The Project Manager conveyed the Contractor's consent to the Employer on recovery methodology of advance payment.
- The Project Manager issued Interim Payment Certificate IPC No.66 for further Employer's approval.
- The Project manager submitted the response to the Employer regarding extended insurance policies.
- The Project manager provided explanation to the Employer regarding evaluation of the Contractor's re-handling claim.

g) Contract ICB No. EM-01

- The Project Manager requested the Employer to accord approvals on the Contractor's Marine Cargo Insurance documents.
- The Project Manager updated the Contractor on the status of payment of IPC No. 2.
- The Project Manager submitted the Employer's nominee for establishment of DB to the Contractor.
- The Project Manager requested the Employer to release the payment certified in IPC No. 2 to the Contactor.
- The Project Manager instructed the Contractor to submit the employer's liability insurance.
- The Project Manager instructed the Contractor to submit the revised Master list in compliance with the Project manager's comments for the Employer's approval.
- The Project Manager provided response to the Contractor on settlement of labour cost index in the Contract Price Adjustment.
- The Project Manager submit a reminder to the Employer for generation of financial instrument (FI) number for 1st shipment by the Employer's Bank.
- The Project Manager provided details to the Contractor regarding the due payment of IPC No.2 and delay in issuance of FI number.
- The Project Manager provided his response to the Contractor on claim for additional payment for temporary storages at Ghazi Brotha.
- The Project Manager acknowledged the Contractor claim submission for additional payment due to delay in generation of FI number.
- The Project Manager instructed the Contractor to provide the record of the Contractor's Personnel to the Project Manager's office.
- The Project Manager instructed the Contractor to provide his consent regarding the Employer's nominee for DB member.

h) Contract ICB No. KKH-02

- The Engineer issued the interim payment certificate IPC No. 03 further for the Employer's approval.
- The Engineer issued the interim payment certificate IPC No. 04 further for the Employer's approval.

i) Contract ICB No. DASU RV

- The Project Manager submitted the agreement draft to the Employer for appointment of the adjudicator.
- The Project Manager instructed the Contractor to provide the delay analysis in order to evaluate Contractor's cost claim related to price adjustment.
- The Project Manager issued the Interim Payment certificate IPC No.13 for further approval from the Employer.

3.4.3 Road Section of KKHs and RARs (KKH-01, KKH-02, RAR-01, RAR-02)

The major DHC activities undertaken during this month:

A) KKH-01 Team

1) Major Activities

- Engineer has asked to ensure the quality of grout for rock bolts in K9 and K4 by increasing the workability of the grout and increase the frequency of tests to one in 25 rock bolts.

2) Working / Shop Drawings

The following working drawings were submitted by the Contractor and the Engineer reviewed and replied, accordingly.

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
19-Dec-22	CCECC/DASU-KKH-01/Access Road/RFDA/216	submission of shop drawing for DASU-02 tunnel (K4+155 ~ K4+500)	19-Dec-22	Approved Except as Noted
25-Dec-22	CCECC/DASU-KKH-01/LOGRO-A/RFDA/218	submission of work done drawing for dasu-02 tunnel (K4+544 ~ K4+624)	21-Jan-23	Approved Except as Noted
28-Dec-22	CCECC/DASU-KKH-01/DASU-02/RFDA/219	submission of shop drawing for DASU-02 tunnel (K4+155 - K4+580)	02- Jan-23	Canceled
28-Dec-22	CCECC/DASU-KKH-01/LOGRO-A/RFDA/220	submission of shop drawing for LOGRO-A tunnel (K9+140 - K9+450)	02- Jan-23	Canceled
31-Dec-22	CCECC/DASU-KKH-01/K-11 Tunnel/RFDA/201R2	submission revised shop drawing for exit portal for logro-B tunnel (K11+923 ~ K11+928)		Under review
07-Jan-23	CCECC/DASU-KKH-01/K-23 Tunnel/RFA/001	Submission of Method Statement for Construction of Dogah (K23) Tunnel of KKH-01	12-Jan-23	Approved as Noted

B) KKH-02

The following activities have been carried out during the reporting month.

1) Major Activities

The following activities have been carried out by the Contractor and supervised by the Engineer during the reporting month.

- Contractor is carrying out the excavation work of main KKH-02 alignment at k28 (both sides), k42 (both sides) and k44 (both sides).
- There are no construction activities on K34, k36 and k47 sites. The resumption of these sites is continuously suspended until the safety precaution will be agreed by the both parties and approved by the Engineer.
- Drilling and blasting activities are in progress at looter camp.
- The Contractor requested for removal of houses inside and below the ROW of KKH-02 and the requests has been forwarded to the Employer.
- Block masonry work for construction of explosive magazine is in progress.
- Geotechnical investigation for tunnels has been started.

2) Major Design Activities

The following design activities are in progress.

- Reviewing and approval of Shop drawings for KKH-02.
- Verifying of work done drawings submitted by the Contractor for IPC.
- Preparing and issuing the final alignment of tunnels and bridges to the Contractor.
- Preparing the documents including coordinates for the geological investigation of tunnels for WAPDA's DID team.
- Checking portal areas of tunnels for any minor changes in alignment.
- Preparing drawings and design as per NHA requirements.

C) RAR-01 Team

1) Major Activities

- Joint inspection with RE, ARE & Employer to Komila bypass inspection for progress and slope protection works.
- Joint inspection with RE, Employer for structure works i.e. R/Walls.B/Walls etc.
- Site inspection for sliding on B/wall areas at Komila bypass start section, middle section & rip rap protection works.
- Joint site visit to RAR-01 for remaining works i.e. punch list items.
- Letter issued to Contractor regarding stoppage of sub grade work by locals dated January 05, 2023.
- Letter issued to Contractor regarding remaining works i.e. punch list items of RAR-01 dated January 18, 2023.
- Letter issued to Contractor regarding occurrence of land sliding at Komila Bypass K0+400 to K0+700 dated January 19, 2023.
- Letter issued to Contractor regarding interference activities by locals at different location of RAR-01 dated January 26, 2023.
- Letter issued to Employer regarding interference activities by local contractor at different location on RAR-01 dated January 26, 2023.

1) Working / Shop Drawings

The following working drawings were submitted by the Contractor and the Engineer reviewed and replied, accordingly.

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
06-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/78	Submission of Riprap & Toe Protection Wall shop Drawing Along with Plan and Elevation from K1+356.25 to K1+367.00	06/Jan/2023	Approved
08-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/79	Submission of Retaining wall Shop Drawing Along With Plan and Elevation From K1+306.25 to K1+318.75	08/Jan/2023	Approved
08-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/80	Submission of shop Drawing for Retaining wall Toe Protection Arrangement from K1+097.89 to K1+108.30	08/Jan/2023	Approved
12-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/84	Submission of Komila Bypass Retaining wall Stone Masonry Work Done X-Section 1)K0+062.50 to K0+093.75 2) K0+106.25 to K0+193.75 3) K0+290.79 to K0+297.46 4) K0+354.40 to K0+373.70 5) K1+460.00 to K1+481.25 6) K1+712.50 to K1+727.11 7) K1+958.70 to K1+987.50	27/Jan/2023	Approved Except As Noted
17-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/42R	Submission of Retaining wall Revised Shop drawing along with plan and elevation from K1+252.36 to K1+289.42	24/Jan/2023	Approved
17-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/85	Submission of Retaining wall Shop Drawing Along With Plan and Elevation From K1+004.36 to K1+034.31	24/Jan/2023	Approved
21-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/77R	submission of retaining wall revised shop drawing along with plan and Elevation from K1+289.42 to K1+306.25	24/Jan/2023	Approved
24-Jan-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/85R	Resubmission of Retaining wall Shop Drawing Along With Plan and Elevation From K1+004.36 to K1+034.31	24/Jan/2023	Approved

D) RAR-02 Team

1) Major Activities

The following activities have been carried out by the Contractor and supervised by the Engineer during the reporting month.

- Construction of gabion wall at k13+300 is in progress.
- Drilling, blasting and excavation at k13+650 to onward.
- Excavation between chainage K32+600 to k33+150.
- Excavation work at k34+600 has been stopped by locals due to payment issues of houses below the working site.
- Excavation work for access road at k35 and k37 is in progress
- Wading of existing Gayal access road to main RAR-02 road is in continue at K0+950.

- Supervision of cable way and access road constructions at Largani.
- Verifying the Contractor's standing time records and DPR.
- Drafting and Replying the Contractor's letter regarding slow Progress.
- Review of contractor's WPR and MPR.
- Supervision of site activities including Blasting, Excavation and drilling works.
- Conducting of Progress meetings with Contractor and Employer.

2) Major Design Activities

The following design activities are in progress.

- Review and approval of Shop drawings submitted by the Contractor.
- Verification of work done drawings.
- Verification of IPC submitted by the Contractor.

3.4.4 TL Section

Major DHC activities undertaken during this month are:

1) Correspondence:

- Prepared the letter regarding submission of revised method statement for stringing.
- Prepared the letter regarding shifting of generators from Neelum Jhelum Hydropower project company.
- Prepared the letter regarding Power Transformer at Ghazi Barotha store.
- Prepared the letter regarding replacement of Silica Gel for Power Transformer stored at Ghazi Barotha complex.
- Prepared the letter regarding call for visual inspection of Power Transformer at Ghazi Barotha.
- Prepared the letter regarding slow progress at Grid Station.
- Issued approval for Clarification/Revised design calculation of Gantries and Earth Mast foundation drawing.
- Prepared comments regarding submission of revised drawing of access road for Grid Station.
- Prepared comments regarding submission of boundary wall drawing and calculation of Grid Station.
- Prepared the letter regarding exclusion of Transformer, service cable and energy meters from the scope of external electrification of Project Colony.

2) Meetings:

- Overall Progress review meeting of TL-01 with World Bank and Contractor held on 2nd January, 2023.
- Weekly Progress review meeting with Contractor and Employer held on 11th January, 2023.
- Meeting with CGGC/Orient/Employer on time line for Deiseal Power House at Barseen Camp held on 11th January, 2023.

3.4.5 Main Work Section (MW-01, MW-02)

The major DHC activities undertaken during this month are:

a) MW-01

- The Engineer issued RFP on 1st September 2022 for varied works on the permanent road (LU-2) and temporary access road to cable crane foundation on left bank (CR 5-2). Cost proposal has not been submitted by the Contractor. The Engineer reminded on 25th November 2022.

Contractor's Drawings

Received Date	Letter Number	Title	Reply Date
3-Jan-23	CGGC/MW-01/RFDA/DHC-479	Flushing Tunnel LB Traffic Diversion Scheme Plan and Profile Excavation-(D5)	15-Jan-23
3-Jan-23	CGGC/MW-01/RFDA/DHC-480	Flushing Tunnel LB Traffic Diversion Scheme Type I Excavation and Support Drawings-(D3)	13-Jan-23
5-Jan-23	CGGC/MW-01/RFDA/DHC-481	Layout Plan of Drilling and Coring of Pilot Hole in Cut-off Wall-(D1)	6-Jan-23
10-Jan-23	CGGC/MW-01/RFDA/DHC-482	Design Drawing of Plug Concrete of AT1-2 and AT3-1 of Diversion Tunnel-(D8)	

10-Jan-23	CGGC/MW-01/RFDA/DHC-483	Diversion Tunnel B Outlet Surface Protection-(D1)	
10-Jan-23	CGGC/MW-01/RFDA/DHC-484	Diversion Tunnel Additional Outlets Excavation-(D1)	
16-Jan-23	CGGC/MW-01/RFDA/DHC-485	River Diversion Right Bank Diversion Tunnel First Layer Blasting Design-(D1)	
18-Jan-23	CGGC/MW-01/RFDA/DHC-486	AT3-2 Tunnel Blasting Design-(D2)	
18-Jan-23	CGGC/MW-01/RFDA/DHC-487	Diversion Tunnel A Outlet Surface Protection-(D1)	

Method Statement

Received Date	Letter Number	Title	Reply Date
24-Jan-2023	CGGC/MW-01/TD/DHC-2791	Submission of Method Statement of Crack Repair of Diversion Tunnel Arch (D2)	

NCR

NO NCR issued during the reporting Month

Engineer's Instruction

Received Date	Letter Number	Title	Reply Date
4-Jan-2023	DHC/Dasu/MW-01/EI/23-001	Shotcrete application on rock surface diversion tunnel –B Outlet	
4-Jan-2023	DHC/Dasu/MW-01/EI/23-003	Amending outer concrete outline of crown portion located on right side, d/s of Gate tower of DT-A Inlet	
16-Jan-2023	DHC/Dasu/MW-01/EI/23-004	Diversion Tunnel Outlet (outside) excavation	
17-Jan-2023	DHC/Dasu/MW-01/EI/23-005	Security posts/ watch tower at Kass camp and uchar crushing plant	

b) MW-02

1) General

- **Engineers Response on Stoppage of Works Due to Blast Incident on 14th July 2021.**
  - The Engineer reviewed the content of the Contractor's letter and commented accordingly through letter no. DHC/DASU/CGGC/MW-02/CAD/23-001.
- **Extension for Insurance Due to the Extension of Time.**
  - The Engineer reviewed the content of the Contractor's letter and commented accordingly through letter no. DHC/DASU/CGGC/MW-02/PM/23-002.
- **Interim Payment Certificate No # 33- For Sep-Oct-2022 (Contractors IPA # 33 & 34).**
  - The Engineer issued the Interim Payment Certificate No # 33 for September-October 2022 (IPA # 33 & 34).
- **Daywork Order Instruction for the Relocation of Switchyard Main Gate#1 and Sewerage pipe from the Khooshe Access Road Area.**
  - The Engineer issued Daywork order for the relocation of Switchyard Main Gate #1 and sewerage pipe from the Khooshe access road area.
- **Reply to the Submission of the Proposal Transforming Dump Truck into Mobile Construction Platform.**
  - The Contractor was requested to submit the required details//calculation as per Engineer comments made through subject letter no. (DHC/DASU/CGGC/MW-02/YS/23-007.
- **Approval of Steel Wire Manufacturer KB Steel Industries**
  - The Engineer concluded that the KB steel Factory can meet Dasu HPP requirement if third party test results justify the technical requirements.
- **Approval of Self-Compacting Concrete Mix Designs C25, C28 C35,**
  - The Contractor was requested to revise the self-compacting concrete mix design to optimize cement content and should perform the necessary mix trails immediately as well as should resubmit trails result accordingly.
- **Daywork Order Instruction for the Removal of Debris from Switchyard Slope Top**
  - The Engineer issued Daywork order for the removal of debris from Switchyard Slope top.
- **Comments on Proposal of Diversion Public Traffic Road KKH at Tailrace Tunnel Outlet.**
  - The Contractor was requested to submit details of the proposed road diversion, temporary dewatering facilities for the contraction of tailrace outlet expected at the bidding stage including the detail drawing (Layout profile, Plan and Cross section(s).
- **Unsafe Practices within the Underground Powerhouse Cavern between CH0+170.0-0+241.**
  - The Contractor was requested to take necessary action immediately on behalf of safety related issue to assure safe working condition within the entire Underground powerhouse.

- **Submission of the Construction Method Statement of Post Tensioned (D2).**
  - The Engineer approved conditionally method statement of post tensioned tendon.

2) Review of Contractor's Working Drawings

The Engineer reviewed and replied of the following drawings.

Letter Nos.	Tittle	EAC No.	Reply Date
CGGC/MW-02/RFDA/DHC-443	GIL Tunnel Excavation and Supporting (D2)	EAC-22-072	02-Jan-23
CGGC/MW-02/RFDA/DHC-444	Switchyard Compound Excavation and Embankment Sections (D4)	EAC-23-001	16-Jan-23
CGGC/MW-02/RFDA/DHC-445	Switchyard Compound Excavation Support (D3)	EAC-23-002	18-Jan-23
CGGC/MW-02/RFDA/DHC-441	Blasting Design of the Tailrace Tunnel (D1)	EAC-23-003	21-Jan-23
CGGC/MW-02/RFDA/DHC-448	Blasting Design of Lower Pressure and Bend Tunnel First Bench	EAC-23-004	24-Jan-23
CGGC/MW-02/RFDA/DHC-447	Blasting Design of Underground Powerhouse Third Bench Pre-splitting	EAC-23-005	25-Jan-23

3) Issued Engineer Instruction

The Engineer issued the following Site Instructions (SIs).

Location	Subject	EI No.	Issue Date
Nil	Nil	Nil	Nil

4) NCR Issued by Engineer

The Engineer issued the following NCR.

Location	Subject	NCR No.	Issue Date
Nil	Nil	Nil	Nil

5) Site Supervision for Construction Activities

- Installation of Rebar Mesh = Additional Support within Powerhouse Cavern
- Excavation for 2nd Bench Central portion of Powerhouse Cavern. (Commenced 25 Sep. 22).
- Excavation for 2nd Bench (Central portion including both and Left side walls Enlargements) of Powerhouse Cavern was Completed on 28th November 2022.
- Excavation for 2nd Bench Central portion of Transformer Cavern was in progress. (Commenced 25 Sep. 2022).
- Excavation for 2nd Bench (Central portion including both and Left side walls Enlargements) of Transformer Cavern was Completed on 21st November 2022.
- Installation of Rebar Mesh = Additional Support within Transformer Cavern.
- Installation of PS Tendon within Powerhouse Cavern was in progress.
- Trail Test for PS Tendon was completed in Transformer Cavern with different bond length.
- 5th Bench slope Excavation and Support work of both left and Right Side at EL.959m to 943m was in progress (Switchyard).
- Intake Protection Fence was in progress (Ditch Excavation) Surface Excavation at EL.1000m to EL972m.
- Support work of LU1 (wire mesh, shotcrete rock dowel) from Ch.0+070~0+240 was in progress. (January 2023)
- Lower Pressure Tunnel#2 Invert Cleaning and were poured Plug concrete. (921m3)
- Excavation and Support work of Adit Tunnel CT2 (Ch.0+391) for Tailrace Outlet was in progress.
- Excavation and support work were in progress at Service Tunnel B. (January 2023)
- Vertical Exhaust shaft Pilot excavation was completed on 23rd November 2022.
- Vertical Exhaust shaft Pilot excavation enlargement was in progress. (January 2023)
- SCVAT 1 and SCVAT 2 Gallery Bench Excavation was in progress. (January 2023)

3.4.6 Infrastructure Section (LBRV-11, LBRV-12, PCI-01R, RV)

The major DHC activities carried out during the month are described below:

a) LBRV-11

- The Engineer requested the Employer to consultate the issue regarding the Khyber Pakhtunkhwa Provisional Sales Tax on Services Adjustment for Change in Legislation LBRV-11 dated 11TH Jan 2023.
- The Engineer issued the Notice to Correct under GC Sub-Clause 15.1 LBRV-11 dated 12TH Jan 2023.
- The Engineer reviewed and responded regarding the Submission of Final Extension of Time (EoT) for the LBRV-11 dated 16TH Jan 2023.

- The Engineer requested the Employer to settle the issue regarding the Water Spring Source below the Resettlement Site Khoshe-2 Link- 1 dated 19TH Jan 2023
- The Engineer requested the Contractor to nominate a Security Officer for LBRV-11& 12 dated 24TH Jan 2023.

The following working drawings were submitted by The Contractor and The Engineer reviewed and replied, accordingly

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
-	-	-	-	-

b) LBRV-12

- The Engineer requested the Employer to provide consultation of the issue regarding the Khyber Pakhtunkhwa Provisional Sales Tax on Services Adjustment for Change in Legislation LBRV-12 dated 11TH Jan 2023.
- The Engineer issued the Notice to Correct under GC Sub-Clause 15.1 LBRV-12 dated 12TH Jan 2023.
- The Engineer responded regarding the Submission of Final Extension of Time (EoT) for the LBRV-12 dated 16TH Jan 2023.

The Engineer asked the contractor regarding the Nomination of Security Officer by Contactors LBRV-11& 12 dated 24TH Jan 2023.Construction Activities

c) RV

- The Engineer reviewed and issued the response letter regarding the Varied Works of Safety Railing and Chain Link Fence for Resettlement Villages. RV dated 2nd Jan 2023.
- The Engineer issued the response letter regarding the Development of Plots for Resettlement Villages of Dasu-RV dated 5th Jan 2023.
- The Engineer provides comments to the Employer regarding the Appointment of Adjudicator -Draft Adjudicator Agreement dated 11th Jan 2023.
- The Engineer instructed the Contractor to commence Construction of Access Road for DASU-RV Choochang Site-4 (Upper Kuz) dated 18th Jan 2023
- The Engineer proposed the Employer to omit the Remaining Works of Archeological Site Shatial (Rock Carving Museum) dated 20th Jan 2023
- The Engineer reviewed and issued the response letter regarding Response to the Contractor's Cost Claim Related to Price Adjustment dated 20th Jan 2023.
- The Engineer issued the Interim Payment Certificate No. 13 dated 20th Jan 2023.
- The Engineer estimated and informed the Employer of the tentative quantities of remaining works at Resettlement Villages dated 24th Jan 2023.
- The Engineer reviewed and issued the response letter regarding the Request for Extension of Performance Security Guarantee No. 3AKBL115PB190305 dated 25th Jan 2023.
- Suggestion for Way Forward dated 25th Jan 2023.

No working drawings was submitted by the Contractor during reporting month.

d) Project Colony – PCI-01R

- The Engineer approved the MS Kansai Paint as a manufacturer of paint material for Colony Phase-B Buildings .PCI-01R dated 2nd Jan 2023.
- The Engineer provided Employer, the comments on Bidding Documents dated 3rd Jan 23.
- The Engineer issued reminder to the Contractor for the Arrangement for Accommodation of Security Persons.PCI-01R dated 4th Jan 2023.
- The Engineer verified the Interim Payment Certificate No.38.PCI-01R dated 5th Jan 2023.
- The Engineer issued the response letter for Irregular Top Surface Levels of the P-1 Road.PCI-01R dated 7th Jan 2023.
- The Engineer issued the response letter for Notice of work stoppage at septic tank Type D for Residence Categotry-2 near KKH-01 dated 9th Jan 2023.
- The Engineer issued the response letter for Notice for Delay in Issuance of Boundary Wall Construction Drawings near Residence Category-3 dated 9th Jan 2023.
- The Engineer issued letter regarding the Insufficient Resources to Complete the Project dated 10th Jan 2023.

- The Engineer requested the Employer to provide consultation for the issue regarding the Khyber Pakhtunkhwa Provisional Sales Tax on Services-Adjustment for Change in Legislation dated 11th Jan 2023.
- The Engineer informed the contractor regarding the Coordination Meeting on Aspects dated 12th Jan 2023.
- The Engineer issued the response letter regarding the Registration of Ms CGICOP Workers with EOBI dated 14th Jan 2023.
- The Engineer issued the letter regarding the Extremely Slow Execution of Water Supply System from the Indus River to the Project Colony dated 16th Jan 2023.
- The Engineer the issued the response letter for the Cost Proposal for Waterproofing dated 14th Jan 2023.
- The Engineer requested the Contractor to submit the Revised Contract Programme for Monitoring Construction Activities and Extension of Time (EoT) of PCI-01 R Contract dated 16th Jan 2023.
- The Engineer requested the Contractor to provide the Numbering of Project Office Rooms dated 18th Jan 2023.
- The Engineer instructed the Contractor to start the Uchar Water Supply Works dated 18th Jan 2023.
- The Engineer approved the materials of Smoke Hood for the Kitchens of Residencies Category-1 and the Residencies Category-2 dated 19th Jan 2023.
- The Engineer informed the contractor regarding the Exclusion of Transformer, Service Cable and Energy Meters from the Scope of External Electrification dated 19th Jan 2023.
- The Engineer issued response letter regarding the Irregular top Surface levels of the P-1 Road (Reminder) dated 19th Jan 2023.
- The Engineer requested the Contractor to nominate the Contractor's Security Officer (PCI-01R) dated 24th Jan 2023.
- The Engineer approved method statement for Replied to the Roads Construction dated 23rd Jan 2023.
- The Engineer issued the response letter for the Delay in Issuance of Instruction for Boundary Wall Height Increase at Category-2B Part-1 dated 24th Jan 2023.
- The Engineer issued response letter for the Extension of Performance Security dated 25th Jan 2023.
- The Engineer issued the response letter for Responded to Notice for Delay in Issuance of Slope Protection Design (PCI-01R) dated 27th Jan 2023.

The following working drawings were submitted by The Contractor and The Engineer reviewed and replied, accordingly.

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
-	-	-	-	-

3.4.7 EM-01

The major activities undertaken during this month were:

1. Major Event

Approval of Drawings for Watch Tower, Gate and Post Detail, Breast Wall, Side Boundary Wall, and Roadside Boundary Wall.

The Engineer conditionally approved the subject drawings.

2. Documentation

Excavation for Construction of Retaining Walls along RAR- 01 at EM - 01 Site Camp, Kass.

The Contractor was requested to execute the construction of retaining walls as soon as practicable for the safety of the steep slope area along RAR-01.

3. Review of Contractor's Working Drawings

The following drawings were submitted by the Contractor, and The Engineer reviewed and replied, accordingly.

Location	Subject	Dwg No.	Issue Date
KASS CAMP EM-01	Watch Tower, Gate and Post Detail, Breast wall, Side Boundary Wall and Roadside Boundary Wall.	DHC/DASU/GEPC/EM-01/ys/23- 18	18th Jan.2023

4. Issued Engineer Instruction

The Engineer was issued the Site Instructions (SIs).

Location	Subject	SIs No.	Issue Date
Nil	Nil	Nil	Nil

5. NCR Issued by Engineer

The Engineer was not issued the NCR.

Location	Subject	NCR No.	Issue Date
Nil	Nil	Nil	Nil

6. Electro-Mechanical Works

Progress of Electrical-Mechanical works in January 2022 becomes slow because of notice of change of event key dates with DHC letter no DHC/Dasu/GEPC/EM/-01/PLS/22-319 issued on October 06, 2022. First event of draft tube #3 installation was prolonged for 391 days from original date of October 10, 2022. Consequently, the Contractor must review the further construction time schedule according to the contract conditions. In January, the major topics of the working items are focused on the claim for change of event dates and storage for first shipped equipment and custom clearance issue at Karachi.

6.1. Custom clearance issue

Custom clearance of the first shipment for # 3 draft tube alongwith its embedded materials and second shipment for #2 draft tube alongwith its embedded parts are still not processed at Karachi. The materials will be transport to the storage yard provided in the Ghazi Barothe Hydro power station area.

6.2. Coordination with NTDC on 765kV Transmission Line Protection

The DHC has forwarded Contractor's submission regarding 765kV protection single line diagram of 765kV transmission line and busbar to WAPDA to get NTDC approval/ comments on dated January 24, 2023. However, the DHC is waiting the reply from NTDC. The coordination meeting will be arrange with NTDC by DHC after review and comments from NTDC.

6.3. Position of 765kV Terminal Tower at Take-off Switchyard

On November 18, 2022, the coordination meeting with NTDC was held at the WAPDA's Lahore office for confirming the final position of terminal tower of which position has been investigated by NTDC on August 24, 2022. In the meeting with NTDC, final location of terminal tower was shown in the drawing and coordination of tower position which is the original direction to the steep hills. The transmission line will be routed on the colony boundary. DHC will finalize the switchyard design and arrangement of 765kV switchgear equipment based on this conclusion. However, the formal approval of terminal tower is awaited from WAPDA and NTDC.

6.4. Addition of manufacturers to the agreed schedule T-4

On requests of Contractor for addition of manufacturers for Spiral case, Staring, Auto silt monitoring system and Generator stator core, the Project Manager has instructed the Contractor to submit the supplementary record such as a comparison of company profile and technical data of subject equipment/ material and the comparison of technical requirements given in the Contract for Employer's approval.

6.5. Corresponding between EM-01 Contractor

The following engineering drawings for power plant and commercial letters being submitted by the Contractor have been returned to Engineer with comments in this period, accordingly.

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
02-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0001	Submission of cargo / transited insurance documents for second batch of equipment.	09-Jan-23	
03-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0003	Follow up for interim payment certificate (IPC) No.2	09-Jan-23	
21-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0471	Submission of the Employer's nominee for Dispute Board (DB) member.	09-Jan-23	
19-Sep-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0304	Submission of Employer's liability insurance (reminder-2)	10-Jan-23	
05-Aug-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0291	Submission of revised Master list (reminder-2)	10-Jan-23	
10-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0007	Further clarification of labor cost index in the Contract price adjustment.	12-Jan-23	
12-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0008	Follow up for interim payment certificate (IPC) No. 02 and Contarctor's claim for interest.	14-Jan-23	

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
13-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0015	Claim EM-01/ C-08- Additional payment for December 2022 – Temporary storage cost at Gazi Barotha (Interim, as of 13th January, 2023)	16-Jan-23	
13-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0016	Claim EM-01/ C-08- Additional payment for December 2022 – Delay generation of financial instrument (FI) number (Interim, as of 13th January, 2023)	16-Jan-23	
13-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0013	Record of the Contractor's personnel	16-Jan-23	
29-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0479	Addition of the suppliers to the agreed schedule T-4: Manufacturers and Sub-contractors (Appendix-5 of the Contract and attachment-8 of CDA No. 09) for spiral case& stay ring, auto-silt monitoring system, Generator stator core.	16-Jan-23	
01-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0446	Revised distributed control system (DCS) spare parts	17-Jan-23	
25-Nov-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0434	Approval of drawings for watch tower, gate and post detail, brest wall, side boundary wall and road side boundary wall.	18-Jan-23	
11-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0011	Renumeration of Employer's nominee for Dispute Board (DB).	21-Jan-23	
28-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0478	Dasu generator air water cooling system, NDE bearing pipe assembly, DE bearing pipe assembly, HP oil system.	19-Jan-23	
17-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0014	Security system/ plan for EM-01 site camp at Kass.	23-Jan-23	
10-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0463	Submission of update program of performance V1.10.	24-Jan-23	
08-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0460	EM-01 Governor Control system of OPU and Control sequence Diagrams.	31-Jan-23	

3.4.8 Environment Management Section

1. Overall activities

i) Meetings with Contractors

The monthly progress review meeting for the current month was conducted on 31st of January 2023. "The Engineer" instructions were discussed in detail and new items regarding non-compliances were added to the Minutes of meeting and WTEIR.

ii) Compilation of Data for MSC consultant

Six monthly data compilation undertaken and shared by the DHC Environment Section as requested by WAPDA for MSC consultants.

iii) Inspection:

Participated in a joint visit to the KKH-02 site with WAPDA and OHS team for the resumption of works.

iv) Meetings with Contractors of RAR-01, KKH-01, MW-01, MW-02, RAR-02, KKH-02 and PCI-01R

Monthly Progress Review meeting for the month of January 2023, was held on 31st January 2023 with all contractors. Pending issues were discussed and new environmental non-compliances were also part of the discussion. Later, minutes of meeting was prepared and issued to all contractors.

v) Letter/ Report sent to contractors and WAPDA

Sr. No.	Subject	Date
1	Request for Issuance of Recommendation Letter for Fuel Storage License (form-ll rules 115 Article 5 Petroleum Rules 1937-CCECC	09 Jan 2023
2	Engineers Reply to Submission of Required Documents for Third Party Environmental Monitoring Laboratory	09 Jan 2023
3	Engineer's comments on 7th Quarter Environmental Monitoring Schedule-KKH-01	11 Jan 2023
4	Engineer reply on Approval of Laboratory and 7th Quarterly Environmental Monitoring Plan of CCECC for KKH-01	11 Jan 2023
5	Comments on the Monthly Environmental Report of the Contractor CGGC for MW-01 & 02	12 Jan 2023
6	Submission of Utilization Record of coarse and Fine Aggregates till October 2022	12 Jan 2023
7	Comments on the Monthly Environmental Report of the Contractor CGGC for RAR-2	13 Jan 2023
8	Air Noise Dispersal Modelling Report Submission	16 Jan 2023
9	Third Party Environment Monitoring by EPA KPK Approved Laboratory on KKH-01	25 Jan 2023

2. Environmental Supervision for Each Contract Site

DHC performed environmental supervision during the reporting month to confirm the implementation of environmental management plans for all contract packages. Details are presented below:

2.1. KKH-01 and RAR-01

a) **Review:** The revised Construction Environmental Action Plan (CEAP) for KKH-01 submitted by the contractor was reviewed and comments were shared with the contractor to incorporate and resubmit.

b) **Environmental supervision:** Environmental supervision were conducted for both contracts of CCECC. At KKH-01 the environmental non-compliances minor oil spills, improper waste management, improper drainage management, inadequate management of welfare facilities, inadequate maintenance of sedimentation tank were noted. The observations were sent to the contractor through walkthrough environmental inspection report (WTEIR). For rectification of compliances.

c) **Monthly meetings:** The monthly environmental progress review meeting for the current month was conducted on 31st January 2023. All issues relating to Environmental Compliances identified in WTEIR's were discussed in the monthly meeting.

2.2. KKH-02 and RAR-02

a) **Meeting:** The monthly environmental reports of KKH-02 and RAR-02 were reviewed and comments were shared with the contractor to modify the report and resubmit.

b) **Environmental supervision:** The construction supervision continued during the reporting month. Environmental observations noted during these visits were sent to the contractor in Walkthrough environmental inspection reports (WTEIR). The main issues identified at RAR-02 were improper placement of fuel drums, poor camp management, use of fuelwood, and dust at the construction site.

c) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 31st January 2023. All issues relating to previous months agreed actions as well as environmental non-compliances identified WTEIR's were discussed in the monthly meeting.

2.3. TL-01

a) **Review:** The monthly report of December 2022 was reviewed and comments were shared with the contractor to incorporate it the next report.

b) **Environmental supervision:** The construction work is currently limited to grid station only. Regular site inspections were conducted to the site. Fugitive Dust was a major issue on the Chuchang to Grid Station Road as well as on the approach road of the grid. Additionally provision of clean drinking water and mobile toilet was also highlighted to the contractor which was then rectified by the contractor.

c) **Monthly meetings:** The monthly environmental progress review meeting for the current month was conducted on 31st January 2023.

2.4. MW-01 and MW-02

a) **Review:** The monthly reports of MW-1&2 were reviewed and comments were shared with the contractor to address the comments and incorporate the same in the next monthly reports.

b) **Environmental supervision:** Daily supervisions were conducted to ensure environmental compliance. Walkthrough environmental inspection reports (WTEIR) were shared with the contractor to rectify the non-compliances observed during the site visits. The non-compliances identified and reported to the contractor for rectification were littering, Oil spill, dust, inadequate housekeeping and high pH of Wastewater and many sedimentation tanks were full of sludge and froth. Walkthrough environmental inspection reports have been sent to the contractor for rectification.

c) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 31st of January 2023. All issues relating to previous months agreed actions as well as environmental non-compliances identified WTEIR's were discussed in monthly meeting.

d) Monthly spot monitoring: The supervision of the monthly spot monitoring for environmental compliance at MW-01 and MW-02 was conducted on 16th of January 2023. All agreed parameters of wastewater were checked against NEQS limits. Uchar crush plant's sedimentation pond had high level of froth and sediment in the pond and having a pH of 9.5. The CR-02 Batching plant sedimentation pond pH Level was 11.1, at CR-09 (MW-02) Batching plant sedimentation pond was 9.98, and outlet of CT-02 was having pH level of 11.4. The Adit-1 (near CR-02) sedimentation tank showed pH was 10.8, CR-09 MAT sedimentation pond was 10.7. The pH values of surface water taken from River Indus i.e., Up stream of Uchar crush plant and downstream of CT-02 Tunnel was 8.5 and 8.3 respectively.

These values are high as per NEQS which is 6-9. The contractor was given instructions on the AFI to add fresh water to their sedimentation ponds to keep the pH value within NEQS. The contractor was also suggested to consider another option i.e., addition of dilute acid to lower the pH and keep it with in the NEQS.

e) Air Dispersal Modelling by Hagler Bailey

The Engineer has written a letter to CGGC for Air dispersion modelling report. The draft report was shared on 3rd February 2023.

2.5. PCI-01R

a) Environmental supervision: Environmental supervisions were carried out during the month and environmental observations were noted which were sent to the contractor through walkthrough environmental inspection reports. Non-compliances regarding fugitive dust issues especially from the crush plant, Drainage of Sedimentation Pond from Crush plant matter, minor oil spills, solid waste littering, Cleaning of toilets and no use of firewood in the labor/ staff camps, and inadequate housekeeping issues were discussed with the contractor.

b) Monthly meetings: The monthly environmental progress review meeting was conducted on 31st January 2023 to discuss the status of progress for pending environmental issues. Minutes of meeting were prepared and shared with all stakeholders. The contractor was instructed to pursue the license for fuel storage at site from chief inspector of explosives as NCR is already issued.

c) Non-Conformance Report (NCR) Issued in Month of January 2023

There were 01 NCR issued to different Contractors in this month of January 2023. Following Table shows the status of the NCR issued with date.

Sr. No.	Contract	Subject	Issuance Date
1	RAR-02	NCR-Failure to Hire and Mobilize Environmental Officer for RAR-02"	19th Jan 2023
2	KKH-02	NCR-Failure to Hire and Mobilize Environmental Officer for RAR-02"	19th Jan 2023

3.4.9 OHS Management Section

The primary responsibility of the Engineer (DHC) OHS Section is to supervise Contractors' implementation of OHSMP and assist PMU in contractual decisions on the OHS performance of the Contractors. Major tasks of OHS Section are the following:

1. Advise the Contractors in finalization of an effective OHSMP in compliance with additional provisions in EMAP;
2. Enhanced OHS supervision of all Contractors OHSMP implementation;
3. Implementation of gap analysis tool for underground works;
4. Finalization of Project level Emergency Response and Preparedness Plan; and
5. Additional tasks to provide OHS management related advice to the Resident Engineers and site personnel as well as to provide appropriate training related to OHS operations with the Contractors and DHC personnel.

The field OHS staffing of DHC in this month are sixteen (16) supported by one International OHS Advisor/Expert. The following field staffs were available with OHS section in this reporting month:

1. One Foreign Resident OHS Specialist;
2. One Deputy Lead OHS
3. Two OHS Specialist;

4. Three OHS Professionals;
5. Four Field OHS Professionals;
6. Three Field Inspectors;
7. One Plant & Equipment Inspector; and
8. One Plant & Equipment Assistant Inspector

Figure below presents the organization chart of DHC OHS section. A number of positions are vacant and in the process of filling them.

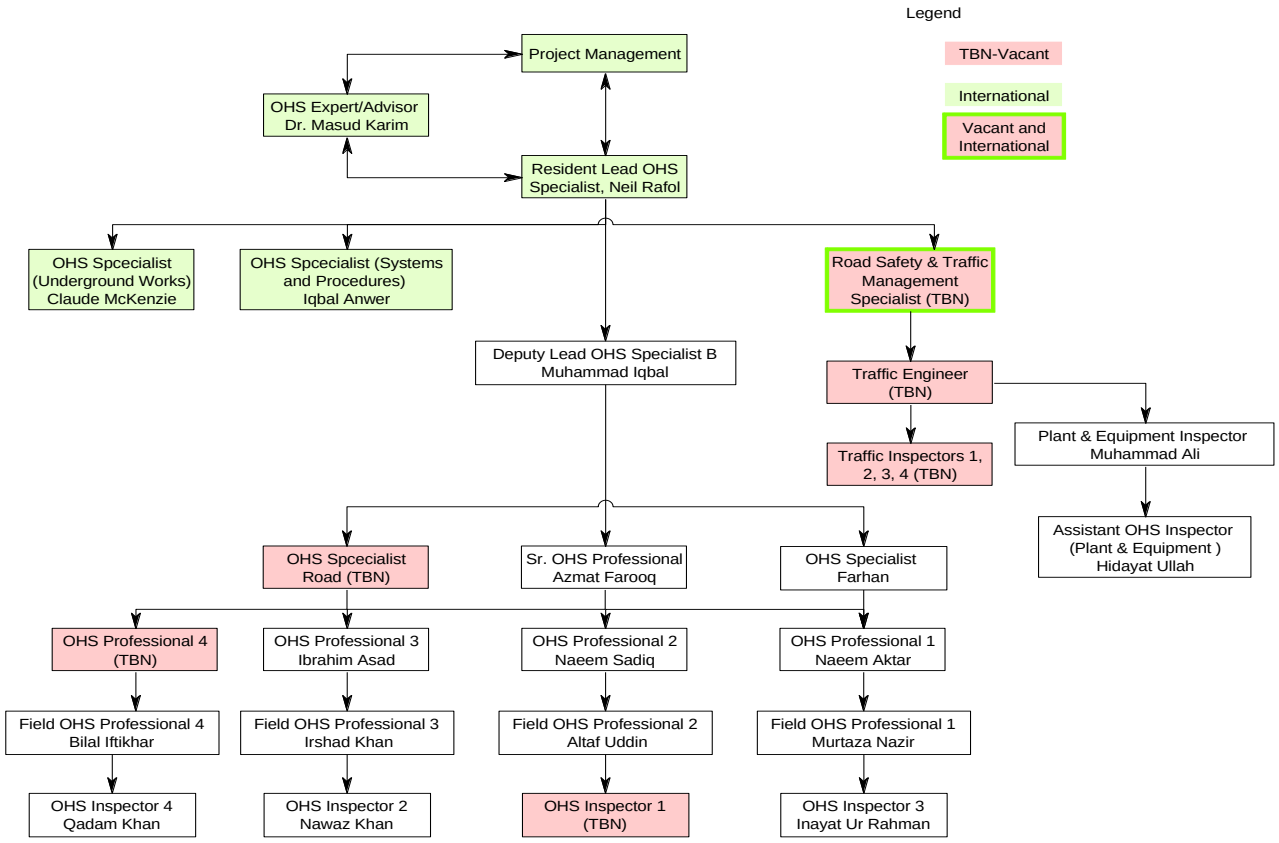


Figure: OHS organization diagram

Please see Section 6 for OHS Management of the Project performed by The Engineer during the reporting month.

3.4.10 Social & Resettlement Management Section

Various Social & Resettlement (S&R) Teams are involved in the implementation of Social and Resettlement Management Plan (SRMP). There are about 12 teams working under four major sections; (i) Land Acquisition & Compensation and GIS Verification Team, (ii) Resettlement & Rehabilitation Team (Resettlement Team, Public Consultation Team, & Livelihood Team) (iii) Social Development Team (Public Health & Gender Teams, In-migrant Management Team, and Downstream Impact Management Team), and (iv) Monitoring & Evaluation and MIS Development Team.

Work on SRMP implementation continued during the reporting month. Major activities carried out by various S&R teams during the reporting month are summarized below, while details of activities carried out under each section are given in Chapter-7.

1. **Land Acquisition and GIS Teams** performed the following tasks;
   i. Land Acquisition Team continued assisting WAPDA as well as the Office of Deputy Commissioner / Land Acquisition Collector in the process of acquiring remaining land. The team extended its support to Land Acquisition Cell (LAC) for assisting Sub Registrar in completion of documents for private registration deeds to acquire land of the remaining components of New Batch 5.

ii. Land acquisition formalities for the remaining land under Batch-5 - new Batch remained under process for which revenue records have been prepared, GIS Verification for most of the components completed, and Land Acquisition process is underway. During the reporting month, the rectification of revenue record of Gayal, and Shatial remained in progress after the observations from GIS section.

iii. As per updated status of Land Acquisition obtained from the Land Acquisition Section under Land Acquisition Collector / Deputy Commissioner's Office, Dasu, Kohistan Upper, a total land of about 4,652 acres of land has been awarded / acquired until January 2023. However, no land was acquired during the reporting month (January 2023), though the land acquisition process has almost been completed and assessments of built-up property and trees is in progress.

iv. A series of meetings were conducted with the Deputy Commissioner and Land Acquisition Collector regarding the progress of remaining land acquisition. The World Bank Team also visited DHPP during the reporting month and discussed land acquisition progress in detail with the DC and LAC. A timeline was set for completing land acquisition in February 2023.

v. LA & GIS Teams worked to prepare all required documents and verified revenue records and cost assessments of on-going components. The team digitized received revenue record, helped revenue team in record rectification, and submitted the rectified record to GIS team for verification.

vi. Rectified and New Revenue records of 08 components was received for GIS verification during the reporting month. These records were digitized and processed for GIS verification (by LA Teams of WAPDA & DHC) during the reporting month.

vii. GIS Team processed 08 components during the reporting month. GIS certificates were issued for one components while for remaining five GIS observations were submitted to LAC office for the rectification of revenue record.

viii. The LA Team also verified cost assessments of two component and submitted to WAPDA for transfer of compensation funds in DC/LAC account;

ix. The team assisted LAC team in paying compensation money to the PAPs, cheques were prepared and an amount of Rs. 20.02 Million was paid to 18 PAPs.

x. The payment of land leasing of Kass area remained in progress. An amount of Rs. 548,268,836/- has been paid to 256 Beneficiaries of various Kass Areas by the end of reporting month January 2023). No cheque was paid during January 2023. The area of Kass File-2 has been taken over by WAPDA after full payment and all houses have been demolished, while majority of the houses in Kass Area-01 (File-01) and Kass Area-02 have also been taken over by WAPDA except few houses where the ownership is disputed.

xi. During the reporting month, corrigendum of Section-4 for new components were prepared and submitted.

2. **Resettlement & Rehabilitation Team includes Resettlement Team, Public Consultation Team, and Livelihood Team.** The Teams performed the following tasks;

i. Resettlement Team followed up for the relocation of households for priority components, mainly the community of Chuchang and Siglo Villages. In this regard, follow up visits were made to these villages and meetings held with the AHHs in DHC Office. The relocation of majority of the houses was completed in Chuchang and Uchar while the relocation of HHs in Siglo is progressing very slowly.

ii. The team also remained involved in preparing TRP files and assist WAPDA to pay TRP to the AHHs. By the end of January 2023, a total amount of PKR 89,518,447/- has been paid as TRP to 288 AHHs of 13 components. In addition to HHs, PKR 3,926,220/- were paid to the owners of 43 commercial structures of Khushi, Sigloo, Tailrace Kuz Chuchang, and Barseen Area.

iii. The S&R and consultation teams supported contractors and Infrastructure teams in resolving issues during the reporting month (Khushi-1, Khushi-2, Nasirabad-1 Nasirabad-2, Chuchang-1, and Chuchang-4). The sites were visited to resolve the emerging social issues during the reporting month.

iv. By January 2023, an amount of Rs. 3,562.65 Million have been paid as ESMR allowance to 1,019 Affected Households.

v. File preparation work remained in progress. The SMR Working Team remained engage in preparing the remaining files of priority areas during the reporting month.
vi. By the end of reporting month (January 2023), the Working Committee has finalized and forwarded 1878 files to the Field Verification Committee while Field Verification Committee has completed the verification of about 1,838 files by the end of the reporting month. About 27 files of Sazeen Camp and 13 files of KOmah yet to be verified due to access issues.
vii. The S&R teams also kept engage in revising the files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC).
viii. A series of meetings were conducted with the Deputy Commissioner (Kohistan Upper) during reporting month regarding the progress of ESMR files preparation and payments.
ix. The Public Consultation Team assisted R&R team and LADP teams in community consultations regarding resettlement sites (Khushi 1&2, Nasirabad 1&2, and Dhaat 1), LADP schemes, and resolved day-to-day social issues.
x. The ILRP team remained involve in conducting survey for the "Utilization of Compensation Money" Reports to get the feedback of the Affected Persons for the utilization of received compensation money. So far 11 reports covering 25 components (where compensation payments completed) have been finalized and submitted to WAPDA. The survey of Sigloo village has been completed and preparation of report is in progress while the survey of "Seer Gayal, Barseen, and Sluch villages," remained in progress during reporting month
xi. The ILRP also assisted R&R and Public Consultation Team in finalizing TRP cases and consultation with the communities regarding TRP as well as estimation of project allowances for disbursements of payments.

3. **Social Development Team (Public Health & Gender Teams, In-Migrant Management (IMM) Team, and Downstream Impact Management (DIM) Team, Communication Team, GRC Team)** performed the following Tasks;
   i. New LADP Contract has been awarded and the work commenced. The new Consultants (NESPAK) is on board and have started their inception activities. Public Health Plan, Income and Livelihood Support Program, and Downstream Impact Management Plan also included in the SoP of new consultants.
   ii. The case of procurement of machinery for TMA Dasu Kohistan for solid waste management is in final stage .The tendering is under process with contract Section.
   iii. Gender Specialist has finalized the arrangements to start Skill Development Training to be held at Kuz Chuchang – the location of training venue finalized, Contract of Teacher prepared, procurement of machines and other items done.
   iv. Gender Awareness and sensitization 'Participants hand Book' in Urdu reviewed and is now at final stages. A letter of understanding with National Commission on Human development has been agreed and in final stages of approval. Proposal & LOU are at stage of approval.
   v. List of LHV candidates along with their documents is shared with PHSA for a formal Memorandum of Understanding (MOU).
   vi. The Communication Team remained engage in public dealing and sharing information regarding Dasu HPP with local community and general public through Public Information Centre (PIC) continued.
   vii. Distribution of already published information material continued among the affected communities in the project area.
   viii. The IGRC team updated the GRC status for the month and carried out meetings for resolving the pending complaints,
   ix. The IMM team organized workforce data received from all contractors and other stakeholders. A total 4,930 workers were recorded working with the contractor and other organizations under DHPP by the end of reporting period.

4. **Monitoring & Evaluation (M&E) and MIS Development Teams** performed the following tasks
   i. M&E Team also supported LA and R&R Teams in monitoring of compensation payments (in DC Office) and TRP allowances disbursement (in WAPDA).
   ii. The M&E team organized compensation payment and TRP data and prepared updated status. The team also remained involve to keep record of Kass Land Leasing which remained in progress during the reporting month.

iii. The M&E team also supported MIS team in the development and upgradation of on-going modules for finalizing input and output formats. The team mainly worked on SMR sub-module for developing input and output formats.

iv. The MIS Team mainly worked on the development of "SMR Module" and "Upgradation of the Web Portal". About 86 % of MIS Development work has been completed by January 2023. The team remained engaged in developing OHS Module. A couple of meetings were also held with OHS Team to finalize the input modules.

3.4.11 Others

a) Planning & Work Sequence Monitoring Section

i. The Contractor (CGICOP) of the Project Colony submitted 2nd Extension of Time (EoT-2) with 26 no. of delay events. The Engineer has preliminary assessed the submission and asked the Contractor a revised baseline schedule for EoT-2. The Contractor has submitted soft copy of the schedules; however, the Engineer has asked again for the revised programme according EoT-01, which should be in consistent with the Approved Contract Programme (Baseline Schedule). As the Contractor is not providing the revised schedule. Therefore, the Engineer is examining the revised schedule.

ii. Review of the Contractor's [China Gezhouba Group co., Ltd.] updated schedule R4D13 for MW-01 and discussion with the Contractor in progress.

iii. Reviewed schedule of cutoff wall of the Contractor for the progress monitoring.

iv. Review of the Contractor's [China Gezhouba Group co., Ltd.] updated schedule R5D12 for MW-01 and discussion with the Contractor in progress.

v. The Contractor's updated schedule for EM-01 works has been reviewed and the Contractor's comments have been clarified.

vi. Revised schedule of KKH-01 for the varied works of Bridges and Tunnels has been reviewed and comments shared with the Contractor.

vii. Review of the RAR-02 Baseline schedule of the Contractor is under progress.

viii. Prepared presentation regarding updated status of main works (MW-01 & MW-02) and issues for the Chairman WAPDA and Advisor Projects. Technical matters (Adjusted River diversion scheme) due to Uchar flood was also discussed on 2nd January 2023.

ix. Prepared presentation regarding progress updates and issues of all Contracts for the Chairman WAPDA, the meeting held on 3rd January 2023 in the Contractor's Camp at Barseen.

x. Presentation for the progress updates and main issues held with the Word Bank delegation from 2nd January 2023 to 6th January 2023.

xi. Presentation was prepared for the Board of Members at Dasu site on 10th and 11th January 2023. The members were briefed regarding the adjusted river closure scheme and progress of ongoing works. BOMs also met with the GM/PD regarding the issues and way forward for the enhancement of the project.

xii. Preparation and submission of various periodical reports, and updates.

b) Laboratory and Quality Assurance Section

i. QA/QC-related correspondences: The correspondences from all Dasu Contractors and WAPDA are being reviewed and responded. The issued AFIs (Availability for Inspection) by the Contractors are being performed and, when required, controlled and commented on; letters are being prepared and sent to the Contractors related to the QA/QC issues observed at the Site. Inter-section meetings have been regularly held with other parts of DHC regarding Technical Specifications to clarify some design parameters and make a primary platform for QA/QC test methods and frequencies. The comprehensive RCC mix design test report is being prepared during this month. The report will include study, tender and construction phases.

ii. Approval of the material sources and manufacturers: The submitted documents and certificates of sources proposed by the Contractors are being reviewed and commented on. In the scope of MW-01&MW-02, for the proposed Natural Pozzolan Source 1, the Contractor is requested to perform supplementary optional tests for completing the evaluation of the source. The Pozzolan samples have been delivered to the third-party laboratory during the end of January. A Factory visits have been performed from "Kadeer Brother Limited" the manufacturer and Supplier of Laboratory equipment in the scope of

KKH-01 work. Meeting has been held with Sabute-Pakistan regarding the accelerator problems during winter season. The remedial actions would be taken by the manufacturer. A factory visit from Fauji cement manufacturer of Main and KK-01 Works has been implemented during this month. Assurance of the Alkali Contents level of the submitted cement to the site was the purpose of the visit. Final Approval of Gabion material source, "Advance Engineer Industry" has been issued in the scope of RAR-02 and KKH-02 works. Final Approval of Wire source, "KB Steel Industry", has also been issued for Main Works. Accessibility of Kaigah Rock material source of the Main Works are being evaluated during January Month. The proposed manufacture of Nuclear Density-Humidity Gauge for RCC execution has been approved in the scope of MW-01 work.

iii. **Smart Quality Control Database (Test Results):** The database is regularly being prepared, including aggregates, cement, admixtures, reinforcement, Concrete, Mortar, Shotcrete, Grout, and etc. is also in progress. Any unpleasant trend of material and products properties are being monitored; in case of non-conformance, required instruction are being instructed to the Main Works Contractor. The database of third-party laboratory test results are being recorded. Gathering and evaluating data regarding CR2 and CR9 Batching Plants printouts and Daily summaries are regularly being performed. The daily report of all activities in the Barseen Laboratory is being recorded. The UCHAR Temporary Crushing Plant's daily production active time is also being monitored (MW-01&MW-02). Evaluating the main works database for all material was performed during January month. In the scope of RAR-01 and KKH-01 works, the CCECC Contractor started to update their soft form database at the ZAL camp laboratory office. The Contractor is empowering the QA/QC section.

iv. **Sampling and Testing of Fresh Construction Products:** Determining the compressive strengths, workability, and density of the produced concrete, shotcrete, grouts, and mortar mixes, sampling, and testing are regularly ongoing, as per the Technical Specifications for Dasu Projects. A new series of aggregates production at new UCHAR Crushing Plant has been started. The justification of proper production of the Crushing Plant Number One (No#1) is started during January. Due to the lack of fine material at the site to completion of river diversion structures, the justification of fine material take priority in this month. For assurance purposes some cores have been taken from the executed harden concrete of diversion tunnel B.

v. **Field Tests:** In the scope of KKH-01 and RAR-01 (bypass part) rock bolt, regular-based pull out and field density of backfilling and filling tests are being performed. The field trials of the proposed concrete are being tested at the site in the scope of Main Works. The aggregate production rate measurement has been performed at the Uchar temporary crushing plant (MW-01&MW-02). The field density test for execution of the Starter Dam is regularly being performed, in the scope of MW-01 work.

vi. **Follow-up, Review, and Evaluation:** The monitoring and evaluation of test results according to technical specifications is in progress the scope of the Dasu projects. Petrographic analysis and Alkali-Silica Reactivity test results are regularly being evaluated for Main works. The petrographic analysis and the latest test results of the proposed natural pozzolan performance (90 days) are being evaluated. The monthly third-party laboratories test results for different material are being evaluated in the scope of Main and KKH-01&RAR-01 works. Besides the regular data assessment, evaluating the batching plant's print-outs batch by batch is being performed in the scope of the main works. Regarding this matter, the local DHC inspectors are being trained by the senior Engineers to systematically follow up and control the production (Concrete, Shotcrete, and Mortar) quality. The Contractor (CGGC) should hire well-experienced laboratory technicians and Engineers to improve quality control and decrease the variations at the site and laboratory.

vii. **Consigned Material and 3rd party laboratory tests:** Routine Quality Control Tests on the consigned cement, reinforcement steel bars, wire mesh, and other steel materials, and admixtures are ongoing at the Site Laboratories and 3rd party laboratories. The test results have been reviewed and evaluated, and accordingly, relevant actions have been taken. In the scope of MW-01&MW-02 works, water, Cement, Rebar, Rock Bolts, Rock Bolts Components, Admixtures, wire mesh, Water stop samples have been taken and submitted

to the 3rd party laboratories. During January, after evaluation of alkali contents of the Fauji cement factory, a test plan has been designed to assure about the subject. As mentioned before a factory visit also has been organized regarding this matter. In the scope of the KKH-01 project, samples from different project materials have been sent to the 3rd party laboratories. In the scope of Main Works, the SGS has been approved as a third-party laboratory for the construction material testing. A letter has been issued to WAPDA regarding the ability of CMTL third-party laboratory to perform harden RCC special tests in the scope of MW-01. A meeting has been held at WAPDA office regarding required RCC special tests. WAPDA through a letter shared the information of CMTL laboratory abilities. I was decided to search other laboratories all over the Pakistan. For final approval of RCC mix design the performing of these tests are necessary.

The evaluation of a proposed third-party calibration company is ongoing in the KKH-01 work.

viii. **RCC Mix Design:** Second Stage RCC Mix Trial Program recommended by Dr. Dunstan has been performed with different cement (Fauji and Maple Leaf OPC) and Natural Pozzolan contents. The long-term test results (365 days) were completed in May 2022. The MW-01 Contractor has recently performed alkali reactivity tests on blended cement (Cement and natural pozzolan) that have been used in mentioned mix trials as per Technical Specifications. The Engineer received the 3rd party laboratory test results; The Contractor is also requested to repeat the nominated mix proportions at the Barseen laboratory to confirm the performed tests, especially to verify the performance of the utilized water retarder. Other tests like Permeability (from the mass and inter-layer joint parts), Poisson ratio, Module Elasticity, Tensile Strength, Shear Strength, Creep, Volume Change, and Dynamic and Thermal Properties should be performed on hardened concrete samples. The limits for mentioned parameters are being assigned by the designer. The method statement of RCC Field Trail Placement (FTP) has been reviewed by the Engineer and the respective letter submitted to the main works Contractor.

The Engineer declared the chosen mix designs for the final cementitious material content based on long-term laboratory test results. Regarding the cementitious range of the RCC mixes, the Contractor believes the 365 days specified compressive strength should be considered according to the Contract. Based on Dr. Dunstan's experiments in Lahore Mix Design Program, the Engineer requested the Contractor to consider the option of 1000 days of age for the Compressive strength of RCC different classes to optimize the cement content and reduce the heat generations during the construction phase. The Contractor will continue with 365 days design age. After receiving the 1000 days of second stage mix trial test results, decision will be made to adjusting the mix design proportions. For execution of FTP the completion of permanent crushing plant is necessary.

A meeting has been held with Diamer Basha Consultant regarding RCC mix design trials. It has been decided to share the requested information with Diamer Basha project Consultants.

ix. **Mix Designs:** Developing and updating conventional concrete, grout, and shotcrete mix designs by assigning and changing in any ingredients like cement, aggregates sources, etc., are continuing at the site laboratories.

The mix design of Cut-off has been finalized and approval letter is issued during January month. In the scope of the MW-01&MW-02 works, Pozzolanic CVC mix designs are ongoing for different classes of concretes and shotcretes. Contact and Back-filling grout mix trials have been performed at the laboratory and initial test results are achieved. A meeting has been held with the Contractor regarding the difference of Back-filling and contact grouts properties according to the Standards and Technical Specifications requirements. In KKH-01 works, the optimization of various Conventional Concrete mix designs have been implemented. Optimization of cement content and application of new admixture were the purpose of mix trials. The site trials of mixes should be performed at batching plant. Two mixes has been approved for RCC pavement with two different aggregate sources. The CCECC starts high-strength concrete mix design for the KKH-01 Bridges at the ZAL laboratory. The mix trials for 42 and 50 MPa are still ongoing.

x. **Monthly Laboratory Monitoring and other facilities:** Maintenance and Operational condition of the Contractor's laboratories have been regularly performed. Materials, sewage system, calibration testing, power supply, air conditioning, etc. In the scope of the KKH-01 works, the CCECC contractor mobilized to ZAL camp laboratory with afresh purchased apparatuses. The Manufacturer visit has been performed by the presence of Employer, Engineer and Contractor representatives. The Contractor submitted information of proposed UTM testing machine; Review of submitted documents are ongoing.

c) Survey Section

The following activities have been carried out at site during this month:

i. Dasu-RAR-01: Survey Supervision Activities

- **Joint Survey of Breast wall foundation at komila bypass at :**
  Km 0+425 to Km 0+437.50
  Km 0+437 to Km 0+450
  Km 0+456.25 to Km 0+462.75
  Km 0+468 to Km 0+475.75
  Km 0+478 to Km 0+687.75
  Km 0+490 to Km 0+500
  Km 2+00 to Km 2+387
- **Joint Survey of Retaining wall foundation at komila bypass at:**
  Km 0+00 to Km 2+325
  Km 0+143 to Km 0+162.50
  Km 0+163.752 to Km 0+173.12
  Km 0+173.50 to Km 0+179.75
  Km 0+928.48 to Km 0+939.00
  Km 1+004.46 to Km 1+034.3
  Km 1+289 to Km 1+318
  Km 1+753.04 to Km 1+764.10
- **Joint Work done Survey for Excavation at Komila Bypass at:**
  Km 0+00 to Km 0+500
  Km 2+00 to Km 2+387

ii. RAR 02: Survey Supervision Activities:

- Joint Survey for geological classification Before excavation of the main Road RAR-02 at K14+100 to K17+000
- Joint Survey for shallow-hole and split blasting of RAR-02 at Ch.K13+690 to K13+700
- Joint topographic Survey for IPC of KKH-02 main road from K33+520 to K34+000
- Joint Survey for Formation of Embankment with Rock Material of 17 Layer at RAR-02 Ch. K13+250-K13+370
- Joint Survey for shallow-hole and split blasting of access road to RAR-02 ch.K0+935 to K0+945 left side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 main road ch.K13+700 to K13+710
- Joint Survey for measurement of excavation quantity (IPC) of RAR-02 main road at K13+190 to K13+700
- Joint Survey for shallow-hole and split blasting of access road to RAR-02 at ch.K0+940 to K0+950 left side from KANDIA bridge
- Joint Survey for rock classification after excavation of temporary access road (TR-01) to RAR-02 at K33+000
- Joint Survey for Formation of Embankment with Rock Material of 18 Layer at RAR-02 Ch. K13+250 to K13+370
- Joint Survey for shallow-hole and split blasting at temporary Access road to RAR-02 DOGAH Right bank K20+590
- Joint Survey for measurement of excavation quantity (IPC) of RAR-02 main road at K34+450 to K34+850
- Joint Survey for measurement of excavation quantity (IPC) of RAR-02 main road at K32+600 to K33+400

- Joint Survey for shallow-hole and split blasting of access road to RAR-02 ch.K0+955 to K0+960 left side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting of access road to RAR-02 ch.K0+945 to K0+955 left side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 main road ch.K13+710 to K13+720

iii. Dasu-KKH-01: Survey Supervision Activities

- K- 4 tunnel Km 4+545 to Km 542
- K-4 tunnel Km 4+469 to Km 466
- **Joint survey of Excavation work and Support work at :**
- K-9 tunnel 9+253 to 255
- K-9 tunnel 9+328 to 330

iv. Dasu-KKH-02: Survey Supervision Activities

- Joint Survey for rock classification KKH-02 main road K44+000 to K44+110 at LOOTER
- Joint Survey for shallow-hole blasting of KKH-02 main road K44+070 to K44+080
- Joint Survey for rock classification KKH-02 main road K45+640 to K46+610 at LOOTER
- Joint Survey for shallow-hole and split blasting of access road at K0+130 to K0+136 at KKH02
- Joint Survey for shallow-hole blasting of main road KKH-02 at K36+440 K36+460
- Joint Survey for shallow-hole blasting of main road KKH-02 at K28+250 K28+270
- Joint Survey for shallow-hole and split blasting of access road at K0+140 to K0+150 at KKH02
- Joint topographic Survey for IPC of KKH-02 main road K36+000 to K36+480
- Joint Survey for shallow-hole blasting of KKH-02 main road K36+870 to K36+890
- Joint Survey for shallow-hole blasting of KKH-02 main road K28+270 to K28+300
- Joint Survey for shallow-hole and split blasting main road RAR-02 at Ch.K13+640-K13+650
- Joint topographic Survey for IPC at KKH-02 K42+520 Access Road K0+000 to K0+182.46
- Joint Survey for shallow-hole blasting of KKH-02 main road K28+290 to K28+320
- Joint topographic Survey of additional area KKH02 K44+400 to K46+080
- Joint topographic Survey of additional area KKH02 K42+740 to K43+100
- Demarcation of ROW KKH-02 main road at KAIGAH nallah
- Joint Survey for shallow-hole and split blasting of KKH-02 main road K33+520 to K33+540
- Joint Survey for shallow-hole and split blasting of KKH-02 main road K44+030 to K44+010
- Joint topographic Survey for looter comp KKH-02 K37+340 to K37+660
- Joint topographic Survey of main road KKH-02 K38+380 to K38+840
- Joint Survey for shallow-hole blasting of main road KKH-02 at K28+290 to K28+310
- Joint topographic Survey of main road KKH-02 K39+340 to K39+680
- Demarcation of tunnel inlet and outlet KKH-02 at SHORI tunnel 2
- Demarcation of tunnel inlet and outlet KKH-02 at K46 tunnel
- Demarcation of ROW KKH-02 main road at GADEER
- Joint Survey for shallow-hole and split blasting of access road (TR.04) at RAR-02 (DOGAH Right bank) (K20+590) EL 825.0 - 823.0 828.0 - 826.0
- Joint Survey for Rock Classification After Excavation of Access Road (TR-03) at RAR-02 SEERGAYAL
- Joint Survey for shallow-hole and split blasting of KKH-02 main road K44+080 to K44+085

v. Project Colony Survey Supervision Activities:

- Joint survey bed level of boundary wall at category 2 part 1 and 2
- Joint layout of drain left side for block masonry at P1 road RD 0+010 to 0+110
- Joint survey bed level of boundary wall at category 2 part 3 and 4
- Joint survey top level of sand at transport pool area
- Joint survey bed level of boundary wall at category 2 part 5 and 6
- Joint survey top level of PCC Tiles at transport pool area
- Joint survey bed level of boundary wall at category 2 part 7 and 8

- Joint layout and excavation of septic tanks at category 2C part 1 and 2
- Joint survey lean top level of boundary wall at category 2 part 1 and 2
- Joint layout and excavation of septic tanks at category 2C part 3 and 4
- Joint survey lean top level of boundary wall at category 2 part 3 and 4
- Joint layout and excavation of septic tanks at category 2C part 5 and 6
- Joint survey lean top level of boundary wall at category 2 part 5 and 6
- Joint layout and excavation of septic tanks at category 2C part 7 and 8
- Joint survey lean top level of boundary wall at category 2 part 7 and 8
- Joint layout and excavation of septic tanks at category 2C part 9 and 10
- Joint layout of footing for columns of boundary wall at category 2 part 1 and 2
- Joint layout and excavation of septic tanks at category 2C part 11 and1 2
- Joint layout of footing for columns of boundary wall at category 2 part 3 and 4
- Joint layout and excavation of septic tanks at category 2C part 13 and 14
- Joint layout of footing for columns of boundary wall at category 2 part 5 and 6
- Joint topo survey of boundary wall back side cat 3A to cat 3B
- Checked the footing top level for boundary wall at colony category 2B 14,15
- Checked the footing top level for boundary wall at colony category 2B 9,10,11
- Checked the footing top level for boundary wall at colony category 2B 13,13
- Joint Layout and Excavation of Boundary Wall at Category 2C Part 1.
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 1.
- Joint Layout and Excavation of Boundary Wall at Category 2C Part 2.
- Joint Layout of Retaining Wall For Water Pump Station Near KKH.
- Joint Survey of Bed Level of Retaining Wall For Water Pump Station Near KKH.
- Data Collection of Temporary Water Tank at Project Colony Chuchang.
- Topographic Survey for Sewerage line at Chuchang Colony.
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 2
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 3
- Topographic Survey for Sewerage Line from Septic Tank to KKH and River.
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 4
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 5
- Joint Survey of Bed Level for Boundary Wall at Category2C Part 1.
- Joint As Built Survey of P 1 Road from RD 0+010 To 0+050.
- Joint As Built Survey of P 1 Road from RD 0+050 To 0+100.
- Joint As Built Survey of P1 Road from RD 0+100 To 0+150
- Joint As Built Survey of P1 Road from RD 0+150 To 0+200
- Joint As Built Survey of P1 Road from RD 0+200 To 0+250
- Joint As Built Survey of P1 Road from RD 0+250 To 0+300
- Joint As Built Survey of P1 Road from RD 0+300 To 0+350
- Joint As Built Survey of P1 Road from RD 0+350 To 0+400
- Joint As Built Survey of P1 Road from RD 0+450 To 0+500
- Joint As Built Survey of P1 Road from RD 0+500 To 0+550
- Joint As Built Survey of P1 Road from RD 0+550 To 0+585
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 6.
- Joint Layout of Plinth Beam for Boundary Wall at Category 2B Part 7.
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 8
- Joint Survey and Bed Level of Main Septic Tank Type A Near KKH.
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 9 and 10
- Joint Topographical Survey of RD 0+280 to Hostel 2D Boundary Area for Short Concrete Purpose.
- Joint Survey of Plinth Beam for Boundary Wall at Category 2B Part 11.

vi. MW-01 & MW-02

- Joint formwork verification for 1m concrete at DTB CH: 1+106 to 1+118
- Joint formwork verification for 1m concrete at DTB CH: 1+154 to 1+166
- Observed river water level at Diversion tunnel A inlet

- Joint formwork verification for 1m concrete at DTB CH: 1+178 to 1+190
- Verification of survey control network at TDT
- Verification of as built cross sections at TDT
- Observed River Water level at CR-2 DT-A and DT-B inlet
- Observed River Water level at Kass Bridge
- Joint verification for 1m concrete at DT-B CH: 1+118 to 1+130 before pouring concrete
- Observed River Water level at Kass Bridge
- Joint verification for 1m concrete at DT-B CH: 1+170 to 1+182 before pouring concrete
- Joint verification for 1m concrete at DT-A CH: 0+309 to 0+321 before pouring concrete
- Joint survey for constriction of access road at New diversion Tunnel Right Bank
- Observed River Water level at Kass Bridge and CR-2
- Joint formwork verification for 1m concrete at DT-A CH: 0+333 to 0+345
- Joint formwork verification for 1m concrete at DT-B CH: 1+166 to 1+178
- Joint formwork verification for 1m concrete at DT-A CH: 0+345 to 0+357
- Joint survey for lean concrete at DTB CH: 1+250 to 1+269
- Formwork verification of crown portion at DTA inlet part 4
- Topographic survey at Kiagah Quarry area
- Observed River Water level at Kass Bridge, DTA inlet outlet and DTB outlet
- Joint survey for convergence installation at Traffic Tunnel outlet portal
- Verification of lean concrete as built surveys of Diversion Tunnel A
- Verification of shotcrete quantity at LD-7 CH: 0+580 to 0+700
- Joint formwork verification for 1m invert concrete at Diversion Tunnel B CH: 1+166 to 1+178
- Verification of as built excavation survey at LD-7
- Verification of survey control network at Traffic Diversion Tunnel
- Joint survey for excavation and geological mapping 4th layer at Switchyard area
- Joint formwork verification for 1m invert concrete at Diversion Tunnel-A CH: 0+285 to 0+297
- Joint survey of excavation invert foundation at Diversion tunnel-B CH: 1+070 to 1+090
- Joint formwork verification for 1m invert concrete at Diversion Tunnel-B CH:1+070 to 1+080
- Verification survey at LD-7 of excavation CH: 0+470 to 0+620
- Joint verification of formwork at Diversion Tunnel-A inlet transition CH: 0+002.3 to 0-009.2
- Joint verification of formwork at Diversion Tunnel-B CH: 0+1+252 to 1+271
- Joint as built survey at Diversion Tunnel-B CH: 1+252 to 1+271
- Joint as built survey at Diversion tunnel-B outlet CH: 1+252 to 1+271
- Joint Formwork verification for 1M invert concrete at DT-A CH: 0+321 to 0+333
- Joint Formwork verification for 1M invert concrete at DT-B CH: 1+142 to 1+154
- Joint survey to confirm the excavation quantity of retaining wall foundation at Crushing plant # 02
- Joint Formwork verification for surface slope protection concrete at DTB outlet R/S
- Joint Formwork verification for plug section at A-1 CH: 0+798.6 to 0+802.6
- Shotcrete quantity verification of LBTT outlet EL 870m to 830m
- Joint formwork verification at Diversion tunnel-B CH: 1+252 to 1+284 2nd lift before pouring concrete
- Joint Formwork verification for 1M invert concrete at DT-B CH: 1+214 to 1+226
- Joint formwork verification at Diversion tunnel-B CH: 1+252 to 1+284 3rd lift before pouring concrete
- Verification of excavation survey afi's at LD-7
- Joint topographic survey at switchyard for current situation and quantity calculations
- Joint survey for measurement of backfill material quantity fill road to R/B upstream coffer dam
- Joint formwork verification at DTA inlet left wall CH: 0+002.3 to -0+033
- Joint as built survey at Cable crane area right bank
- Joint as built survey at Power intake area EL: 1051m to 1049m
- Joint survey for quantity measurement of backfill for CR-2 ceremonial platform of river closure
- Joint formwork verification for 1m concrete at DTA CH: 0+537 to 0+549
- Boundary demarcation of additional area at tailrace
- Joint formwork verification for 1m concrete at DTB CH: 1+190 to 1+202
- Joint survey for lean concrete at Diversion Tunnel B CH: 1+210 to 1+229
- Marking River water levels at KASS steel Truss bridge

- Observed river water levels at CR-2 and Kass truss bridge
- Joint measurement for convergence at Transformer cavern CH: 0+145 to 0+240
- Joint formwork verification for 1m invert concrete at Diversion Tunnel-A CH: 0+547 to 0+561
- Joint survey for excavation at Left bank Traffic Tunnel outlet area EL: 870 to 830
- Joint formwork verification for 1m invert concrete at Diversion Tunnel-A CH: 0+297 to 0+302
- Joint survey of shotcrete at Left bank Traffic Tunnel outlet area EL: 870 to 830
- Joint verify formwork at DT-A CH: 0+002.3 to 0-031 before pouring concrete left side
- Verification survey at LD-7 for excavation CH: 0+380 to 0+440
- Joint verify formwork at DT-A CH: 0+002.3 to 0-031 before pouring concrete right side
- Joint checked formwork at DT-A inlet CH: 0+002.3 to 0-009.2 before pouring concrete
- Joint survey for 1M concrete at DT-B CH:1+082 to 1+094 before pouring concrete
- Joint survey for 1M concrete at DT-B CH: 1+154 to 1+166 before pouring concrete
- Topographic survey at KAIGAH quarry area
- Joint survey for lean concrete at Diversion Tunnel B CH: 1+220 to 1+250 R-S
- Joint survey for lean concrete at Diversion Tunnel A CH: 1+242 to 1+280 R-S
- Joint formwork verification at Diversion tunnel-B CH: 1+252 to 1+260 before pouring concrete
- Joint formwork verification at DTB outlet right side 6th lift 0+252 to 0+260
- Joint formwork verification of diversion dyke between DTA and DTB
- Joint survey for lean concrete at DTB CH: 1+229 to 1+269
- Joint formwork verification at DTB outlet Left side 5th lift 0+252 to 0+285
- Joint formwork verification at DTB outlet Left side 6th lift 0+252 to 0+285
- Joint formwork verification of surface protection concrete at DTA outlet right side
- Joint survey for measurement of backfilling behind the DTB inlet right wall outside
- Joint formwork verification for 1m concrete at DTB CH: 1+118 to 1+130
- Joint survey for lean concrete at Diversion tunnel B CH: 1+210 to 1+229
- Boundary demarcation and confirmation of khushi camp area
- Joint survey for lean concrete at Diversion tunnel B CH: 1+060 to 1+070
- Joint formwork verification for 1m concrete at DTB CH: 1+202 to 1+214
- Joint measurement for convergence at Transformer cavern CH: 0+145 to 0+240
- Joint survey for 1M invert foundation at Diversion Tunnel-A CH: 0+273 to 0+285 before pouring
- Observed river water level at Diversion Tunnel A and B inlet outside
- Joint conformation Elevation of cutoff wall at starter Dam Right bank
- Joint survey for 1M invert foundation at DT-B CH: 1+130 to 1+142 before pouring concrete
- Joint survey for 1M invert foundation at DT-B CH: 1+094 to 1+106 before pouring concrete
- Joint survey for 1M invert foundation at DT-B CH: 1+106 to 1+118 before pouring concrete
- Joint survey for 1M invert foundation at DT-B CH: 1+178 to 1+190 before pouring concrete
- Joint survey for 1M invert foundation at DT-B CH: 1+190 to 1+202 before pouring concrete
- Joint survey for 1M invert foundation at DT-B CH: 1+202 to 1+214 before pouring concrete
- Data collection of Geological rock classification boundary at switchyard
- Observed water Level at DT-A and DT-B outlet area
- Joint survey for 1M concrete at DT-B CH: 1+226 to 1+1238 R/S before pouring concrete
- Joint survey for 1M concrete at DT-B CH: 1+238 to 1+1250 R/S before pouring concrete
- Joint formwork verification at DTB outlet surface protection concrete
- Observed water Level at DT-A inlet and Kass truss bridge
- Topographic survey at switchyard for current situation
- Formwork verification at plug area Adit-01
- Joint survey for 1M concrete at DT-B CH: 1+214 to 1+1226 L/S before pouring concrete
- Joint survey for 1M concrete at DT-B CH: 1+226 to 1+1238 L/S before pouring concrete

vii. Dasu Rvs

- Topographic survey of permanent access road R/V site-1 at Chuchang

viii. Other Surveys

- Demarcation of ROW at Komila Bypass 0+500 to 0+700
- Checked the top level for concrete of Razika road at SEO
- Checked the sub grade of Dong nalla road at Jalkot

- Checked the bed concrete top level of side drain at Komila
- Marking for construction limit at Komila bypass
- Data collection of Mosque boundary at Kushi-01 link-01
- Preparation of Helipads for Chairman s visit

d) Geology and Geotechnical Section Activities

i. Dasu-MW-01

- **Traffic Diversion Tunnel (Inlet)**
  Carried out subsurface geological mapping/data collected up to 0+924m.
- **Traffic Diversion Tunnel (Outlet)**
  Carried out subsurface geological mapping/data collected up to 1+341m.
- **Adit 3-2 (Inlet)**
  Carried out subsurface geological mapping/data collected up to 0+118m.
- **Adit 3-2 (Outlet)**
  Carried out subsurface geological mapping/data collected up to 0+184m.

ii. Dasu-MW-02

- **In-Situ Over Coring Test (GIST):**
  A meeting was held with CGGC & IVCC on 19th December, 2022 at DHC office regarding the in situ over coring test but no any documents have been submitted yet.
- **Service Tunnel-B (ST-B)**
  Carried out subsurface geological mapping/data collected up to 0+127m.
- **Connection Tunnel-02 (CT-02)**
  Carried out subsurface geological mapping/data collected up to 0+407m.
- **Switchyard**
  Carried out jointly a surface mapping of slope area from an elevation 958m to 940m.

iii. KKH-01

- **Logro Tunnel-A (K9+159)**
  Carried out subsurface geological mapping/data collected up to K9+330m.
- **K-4 Tunnel (K4+621)**
  Carried out subsurface geological mapping/data collected up to K4+478m.

iv. KKH-02

- **Drilling/investigation for KKH-02 Tunnels by DID WAPDA**
- **Shori Tunnel-2 (BH#48-1b) Inlet Target depth 50m:**
  Drilling progress is 50m, drilled from 0.00 to 50m. Net progress is 50m.
  Target length of 50m has been completed.
  Borehole terminated.
- **Shori Tunnel-2 (BH#49-1) Outlet Target depth 50m:**
  Drilling progress is 50.0m, drilled from 0.00 to 50.0m.
  Target depth of 50m has been completed.
  Borehole terminated.
- **K46 tunnel Doochba(BH#42-1) Inlet Target depth 50m:**
  Drilling progress is 37.0m, drilled from 13.0m to 50.0m.
  Target depth of 50m has been completed.
  Borehole terminated
- **K46 tunnel Doochba(BH#43-1) Outlet Target depth 50m:**
  Drilling progress is 48.0m, drilled from 02.0m to 50.0m.
  Target depth of 50m has been completed.
  Borehole terminated.

v. <u>5-RAR-02</u>

- Carried out geological rock classification from K14+100 to K19+686, K19+686 to K27+080, K27+080 to K32+655 & K35+400 to K53+973.

vi. <u>Infrastructure</u>

- Carried out geological inspection for rock classification of main entrance car porch area category 2A part 4.

3.4.12 Meetings

A list of meetings which were held during the month is shown in Appendix D.

3.4.13 Correspondence during the Reporting Period

A list of correspondence with WAPDA and the executing Contractors during the month is provided in Appendix E.

4 CONSTRUCTION ACTIVITIES

The following Contracts remained in progress during this month:

- Dasu-KKH-01
- Dasu-KKH-02
- Dasu-RAR-01
- Dasu-RAR-02
- Dasu-TL-01
- Dasu-MW-01
- Dasu-MW-02
- Dasu-LBRV-11
- Dasu-LBRV-12
- Dasu-PCI-01R
- Dasu RV
- Dasu EM-01

Overall Dasu HPP baseline schedule has been established based on the cost stated in PC-1 and schedule included in DHP-CSA 01 Amendment 4. Both physical and financial baseline S-Curves have been developed based on the overall baseline schedule as shown in Figures 6 and 7. Basic information of the baseline schedule is summarized in Table 4.1.

Table 4.1: Basic information of Dasu HPP Overall Baseline Schedule Rev.2 (R2)

Information in PC-1				Information of Baseline Schedule R3 [1]					Remarks
Item No	Cost Items		Contract	Start	Finish	Duration	Cost [2]	Weight by Cost [3]	
				(DDMMYY)	(DDMMYY)	Days	M PKR	(%)	
I	I.1	Relocation of KKH	KKH-01	24-08-15	13-12-19	1,572	14,539	4.96%	EOT-2 Approved.
			KKH-02	15-05-20	13-05-22	728	16,265	5.55%	
	I.2	132kV Transmission Line from Duber Khawar to DHP	TL-01	02-11-15	17-05-20	1,658	1,785	0.61%	EOT-3 Approved.
	I.3	Internal Roads and Bridges	RAR-01(Komila-Dam, 12km)	24-08-15	16-07-20	1,788	2,714	0.93%	EOT-3 Approved.
			RAR-02 (Dam - Uttar Gah)	20-05-21	18-05-23	728	6,253	2.13%	
			RAR-03 (Uttar Gah-Tangir)	01-01-20	29-12-21	728	5,000	1.71%	Not commenced
			Dismantling 2 bridges at Kandia and Largani	01-01-21	31-12-21	364	1,000	0.34%	Not commenced
	I.4	Project Colony & Infrastructure	PCI-01R	20-05-19	17-05-21	728	4,900	1.67%	EOT-1 Approved.
			PCI-02	-	-	-	2,726	0.93%	Not commenced
	I.5, 1.7	Dam and Appurtant Structures(1.5) HSS - Dam (1.7)	MW-01	23-06-17	21-11-26	3,438	115,003	39.25%	EOT-2 Approved. EoT-3 (103d) under Process.
	I.6, I.8	Underground Powerhouse Complex (1.6) HSS - Waterway and PH (1.8)	MW-02	23-06-17	18-06-26	3,282	64,426	21.99%	EOT-1 Approved. EoT-2 (105d) & EoT-3 (103d) under Process.
	I.9	Hydro-Mechanical & Electrical Equipment	EM-01	20-05-20	19-06-25	1,856	52,456	17.90%	EoT-1 (391d) under Process.
II	II.3	Resettlement Development Cost	LBRV-11	26-12-18	04-12-20	709	1,121	0.38%	EOT-1 Approved.
			LBRV-12	26-12-18	07-12-20	712	1,017	0.35%	EOT-1 Approved.
			Dasu-RV	18-06-19	15-12-20	546	655	0.22%	EoT-1 (517d) under Process.
			Other RVs (only 1741.9 MPKR of II.3)	26-12-18	22-12-21	1,092	3,139	1.07%	Not commenced
			Total				292,999	100%	

Scheduled overall progress of both physical and financial at the end of reporting month is summarized in the following Table:

Table 4.2: Dasu HPP Overall Progress at the end of this Month

Description	Physical Progress (%)	Financial Progress (%)
Scheduled [1)]	44.0	39.6
Actual	15.9	12.7

1) Based on Dasu HPP Overall Baseline Schedule Rev 2 (R2). The progress has been revised according to EoT-1 of MW-01 & MW-02. The Financial progress based on work done certified to date excluding advance payment.
2) S-Curves of Overall Physical and Financial Progress are shown in Figures-6 & 7 respectively

The Scheduled Progress mentioned in the table above is in accordance with the contract programs/ or revised contract programs based on the EoT's granted. The status of progress and the major activities of each contract undertaken during this month are described hereinafter.

4.1 Dasu-KKH-01: Relocation of Karakoram Highway from KM 0+000 to KM 25+200

4.1.1 General Contract Data of KKH-01

General Contract Data of this package is summarized in the following Table:

Table 4.3: General Contract Data of DASU-KKH-01

Item	Data
Contract Number	ICB No. DASU-KKH-01
Contract Name	Relocation of Karakoram Highway (KKH) RD 0+000 to RD 25+200
Contractor	China Civil Engineering Construction Corporation (CCECC)
Contract Agreement Signed	March 16, 2015
Commencement Date	Aug 24, 2015
Contract Price	PKR 14,538,852,307/-
Time of Completion	546 Days
Contract Completion Date	Feb 20, 2017
Extension of Time (EOT)	1026 days
Revised Completion Date as per EOT	December 13, 2019 (EOT-2)
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.1.2 Progress Status of KKH-01

The progress of DASU-KKH-01 during this month is summarized in the following Table:

Table 4.4: Progress of KKH-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-01	89.4	172.9	32.6	-	0.14	100.0	32.8

- Gantt chart and S-Curves of DASU-KKH-01 based on EOT-2 are shown in Figure-8 & 9 respectively
- Scheduled progress of KKH-01 is based on EOT-2. Revised Schedule (EOT-3) for re-alignment (Tunnels & Bridges) in progress.

4.1.3 Major Activities of KKH-01

The major activities undertaken during this month were:

- Limited Construction Activities in this month.
- Slope protection works at Zero-point third bench continued and excavation activity on second & third bench continued during the month.
- Excavation and primary support works of K-4 Tunnel outlet RD=K4+471 continued during the month and 155m heading completed.
- Excavation and primary support works of Logro-A tunnel RD=K9+333 continued during the month and 181m heading completed.
- Improvement works & excavation of Khushe Bypass Road started & continued during the month.
- After removal of flood material and recovery of buried eqipments & machinery from Camp/workshop/plant areas raising the level of Camp area during the month.
- Installation of serial arches and Canopy pipes at outlet let area of Logro-B during the month started and continued.
- Camp construction for Barseen Bridge in Kaigah direction started & continued during the month.
- Slope protection and excavation works of Dugah Tunnel out let area continued during the month.
- Backfilling with stone masonry for the retaining walls on Kaigaha Bypass and K24 started and continued during the month.

4.1.4 Location wise Current Status of KKH-01

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.5: Location wise Status (KKH-01)

No.	Section	Issue	Measures	Present Status and What Action to be Taken
1.	K16+000 to K20+600	Unfavorable Geological and Topographical conditions faced at KKH-01 from K17+100 to K17+600	Based on the Contractor's request with his letter ref.19-024, dated 16.02.2019, a geological study was made by DHC Expert.	Uchar-A Detail Design is submitted and waiting for additional Geological Investigation.
		Re-location of the Uchar Bridge. (Uchar Nallah).	Uchar Bridge Construction at new Location.	Removal of flood material from camp area and access road rehabilitation in progress.
		Stoppage of excavation at K20+500 due to additional land acquisition to remove the unstable rock slope. (Barseen to Uchar).	Revised location of Barseen bridge is proposed.	Preparatory works and mobilization in progress.
2.	K20+600 to K24+710	Proposal of new bridge to avoid the passing in the unstable slope area of the Dugah Nullah. (Kaigah to Barseen)	The proposal of new bridge crossing Dugah Nullah has been prepared by DHC and the Bridge proposal option 2 was approved by the Employer.	Preparatory works and mobilization in progress.
		Sliding Area at Kaigah from K23+500 to K23+730	It was decided to bypass the sliding material area by Tunnel construction and passive slope protection measures will be taken.	Preparatory works and mobilization in progress.

4.2 Dasu-KKH-02: Construction of relocated KKH -02 (K24 to K61)

4.2.1 General Contract Data of KKH-02

General Contract Data of this package is summarized in the following Table.

Table 4.6: General Contract Data of Dasu-KKH-02

Item	Data
Contract Number	ICB No. Dasu-KKH-02
Contract Name	Construction of Relocated KKH-02 (K24 to K61)
Contractor	China Gezhouba Group Co. Ltd. [CGGC]
Contract Agreement Signed	April 25, 2017
Commencement Date	May 15, 2022
Contract Price	PKR 16,264,917,100/-
Time of Completion	728 Days
Contract Completion Date	May 12, 2024
Extension of Time (EOT)	N/A
Revised Completion Date as per EOT	N/A
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

- S-Curves of DASU-KKH-01 is shown in Figure-10

4.2.2 Progress Status of KKH-02

The progress of KKH-02 during this month is summarized in the following Table:

Table 4.7: Progress of KKH-02 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-02	8.6	36.0	1.2	4.27	0.14	22.7	1.4

- The Contract has been commenced on 20th May 2021.
- S-Curves of DASU-KKH-01 is shown in Figure-10

4.2.3 Major Activities of KKH-02

The major construction activities undertaken during this month were:

- The Contractor is mobilizing equipments to site time by time.
- The Contractor has started excavation of Main KKH-02 alignment at three locations.
- The DID team from WAPDA is doing drilling work at tunnel portals.
- Drilling work for shori-1 tunnel's inlet is completed.

4.3 Dasu-RAR-01: Construction of Right Bank Access Road from Komila to Dam Site

4.3.1 General Contract Data of RAR-01

General Contract Data of this package is summarized in the following Table:

Table 4.8: General Contract Data of DASU-RAR-01

Item	Data
Contract Number	ICB No. DASU-RAR-01
Contract Name	Construction of Right Bank Access Road (Komila- Dam Site)
Contractor	China Civil Engineering Construction Corporation (CCECC)
Contract Agreement Signed	March 16, 2015
Commencement Date	Aug 24, 2015
Contract Price	PKR 2,713,972,595/-

Item	Data
Time of Completion	364 Days
Contract Completion Date	Aug 22, 2016
Extension of Time	1424 days
Revised Completion Date as per EOT	Jul 16, 2020 (EOT-3) Up to K9 only
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.3.2 Progress Status of RAR-01

The progress of Dasu-RAR-01 during this month is summarized in the following Table:

Table 4.9: Progress of RAR-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-RAR-01	89.4	152.0	98.4	-	0.15	100.0	98.5

- Gantt chart and S-Curves is based on EOT-2 are shown in Figure-11 & 12 respectively.
- Elapsed time and Scheduled progress based on EOT-3. Revised programme for EoT-4 is in progress.

4.3.3 Major Activities of RAR-01

The major activities undertaken during this month were:

Construction Activities

- Excavation work, drilling and blasting work, boulder blasting etc at middle and end portion of Komila bypass in progress.
- Excavation for road around K1+200, drilling and blasting around K1+500 and end section i.e around K2+250 Komila Bypass in progress.
- Excavation for sub grade and preparation i.e levelling etc around K1+500 to K1+900 in progress.
- Drilling, blasting and excavation work for local access around K2+100 in progress.
- Embankment filling in Nullah for causeway around K1+350 in progress.
- Toe wall protection in nullah at K1+350 and stone masonry rip rap in progress.
- Concrete for remaining RCC B/wall at start section of Komila bypass in progress and completed.
- Stone masonry retaining walls around K1+700, K1+262 and K1+800 in progress and completed.
- Granular backfill behind the completed R/walls in progress.
- Backfilling with stone and stone dust behind completed retaining walls at different location in progress.
- Stone masonry breast wall around K0+460 in progress.
- Stone masonry retaining wall around K1+954 to K1+987 in progress and completed.

NOTE:

- RAR-01 project, Asphalt work is completed on Jan 30, 2022.
- From K0 to K9 work completed and Taking over certificate issued to Contractor up to K9 on dated November 26, 2021 with effect from July 25, 2021.
- From K9 to end of project work completed and second (2nd) TOC-Taking over certificate issued to Contractor up to K12 on dated July 26,2022 with effect from April 26,2022.
- Combined Taking over Certificate for the original scope of works (RAR-01 Project) issued August 03, 2022.

4.4 Dasu-RAR-02: Construction of Right Bank Access Road (Dam Site to Uttar Gah)

4.4.1 General Contract Data of RAR-02

General Contract Data of this package is summarized in the following Table.

Table 4.10: General Contract Data of Dasu-RAR-02

Item	Data
Contract Number	ICB No. Dasu-RAR-02
Contract Name	Construction of Right Bank Access Road (Dam Site to Uttar Gah)
Contractor	China Gezhouba Group Co. Ltd. [CGGC]
Contract Agreement Signed	Jan 18, 2017
Commencement Date	May 20, 2021
Contract Price	PKR 6,253,407,194/-
Time of Completion	728 Days
Contract Completion Date	May 18, 2023
Extension of Time (EOT)	N/A
Revised Completion Date as per EOT	N/A
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.4.2 Progress Status of RAR-02

The progress of RAR-02 during this month is summarized in the following Table:

Table 4.11: Progress of RAR-02 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-RAR-02	20.6	86.3	1.2	5.15	0.03	91.3	1.2

- The Contract has been commenced on 20th May 2021.
- S-Curves of DASU-RAR-02 is shown in Figure-13

4.4.3 Major Activities of RAR-02

The major construction activities undertaken during this month were:

- Excavation and blasting work continue from K13+200 to K13+700. Backfill with gabion work is going on at K13+300.
- Excavation work is continue from k32+600 to k33+150.

4.5 DASU-TL-01: 132 kV Single Circuit Transmission Line and Grid Station from Switchyard Dubair Khwar to Proposed Grid Station Dasu

4.5.1 General Contract Data of TL-01

General Contract Data of this package is summarized in the following Table:

Table 4.12: General Contract Data of Dasu-TL-01

Item	Data
Contract Number	ICB No. Dasu-TL-01
Contract Name	Procurement, Design, Supply, Installation, Testing and Commissioning of 132 KV Single Circuit Transmission Line and Grid Station (From 132 KV Switchyard Dubair Khwar to Proposed 132 KV Grid Station Dasu)
Contractor	Power Construction Corporation of China Ltd. (PCCC)
Contract Agreement Signed	April 24, 2015
Commencement Date	November 2, 2015
Contract Price	PKR 1,583,325,237 and US$ 2,017,927
Time of Completion	230 days
Contract Completion Date	June 19, 2016
Extension of Time	1429 days
Revised Completion Date as per EOT	May 17, 2020 (EOT-3)
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.5.2 Progress Status of TL-01

The progress of DASU-TL-01 during this month is summarized in the following Table:

Table 4.13: Progress of Dasu-TL-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. Dasu-TL-01	87.1	159.6	91.2	-	0.30	100.0	91.5

- Gantt chart and S-Curves of Dasu-TL-01 based on EOT-2 are shown in Figure 14 and Figure 15, respectively.
- Elapsed time & Scheduled progress of TL-01 is based on EoT-3. Revised program for EoT-4 in progress.

4.5.3 Major Activities of TL-01

Activities carried during the month:

- Excavation/cutting of access road to Grid Station is in progress.
- Breast wall at Alignment-1 of access road is in progress.
- Foundation work for Gantries at Grid Station is completed.
- Fencing work of switchyard is in progress.

Overall completed activities:

Tower wise Status of each tower is shown in the table below

Table 4.14: Tower Wise Status of Line Work

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
1	**NTDC-1**	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The NTDC's Contractor could not drill for pile foundation of tower NTDC-1 and left the site.
2	**NTDC-2**	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
3	**NTDC-3**	JKD	Completed	Completed	Completed	Completed	Completed		

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Not started	
4	**NTDC-4**	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
5	**NTDC-5**	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
6	**NTDC-6**	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
7	**T-37**	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The Employer instructed the Contractor to carryout the design work for JKD towers. However, the Contractor mobilized his team for subsoil investigation but the landowners stopped the work.
8	**T-38**	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
9	**T-39**	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
10	**T-40**	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
11	**T-41**	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
12	**T-42**	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
13	**T-43B**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	.
14	**T-44B**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
15	**T-45A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
16	**T-46A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
17	**T-47A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
18	**T-48A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
19	**T-49A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
20	**T-50A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
21	**T-51A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
22	**T-52**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
23	**T-53**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	-
24	**T-54**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	-
25	**T-55A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
26	**T-56A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
27	**T-57A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
28	**T-58A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
								Not started	

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
29	**T-60A**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
30	**T-61A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
31	**T-62A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
32	**T-63A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
33	**T-64A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
34	**T-65A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
35	**T-66A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
36	**T-67A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	-
37	**T-67M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	-
38	**T-68A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	-
39	**T-68M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	-
40	**T-69A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	-
41	**T-70A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	-
42	**T-71A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
43	**T-71M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
44	**T-72A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
45	**T-73A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
46	**T-74A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
47	**T-75A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
48	**T-76A**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
49	**T-77A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
50	**T-78A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
51	**T-79A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
52	**T-79M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
53	**T-80A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
54	**T-80M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Not started	
55	**T-81A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
56	**T-81M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
57	**T-82A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
58	**T-82M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
59	**T-83A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
60	**T-83M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
61	**T-84A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
62	**T-85A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
63	**T-86**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
64	**T-87**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
65	**T-88A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
66	**T-89A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
67	**T-90**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
68	**T-91A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
69	**T-92A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
70	**T-93A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
71	**T-95A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
72	**T-96**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
73	**T-97A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
74	**T-98**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
75	**T-101A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
76	**T-102A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
77	**T-103A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
78	**T-104A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
79	**T-105**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
80	**T-106**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
81	**T-107**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
82	**T-108**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
83	**T-109A**	ED-24	Completed	Not started	Not started	Not started	Not started	Not started	
84	**T-110A**	EG-24	Completed	Not started	Not started	Not started	Not started	Not started	
85	**T-111A**	ED-24	Completed	Not started	Not started	Not started	Not started	Not started	
86	**T-113B**	EG-24	Not started	Not started	Not started	Not started	Not started	Not started	
87	**T-115A**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
88	**T-115M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
89	**T-116A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
90	**T-119A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
91	**T-120**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
92	**T-121A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
93	**T-122A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
94	**T-123A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
95	**T-124A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
96	**T-125A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
97	**T-126B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
98	**T-127B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
99	**T-128B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
100	**T-129A**	ED-24	Completed	Not started	Completed	Completed	Not started	Not started	
101	**T-130A**	ED-26	Completed	Not started	Not started	Not started	Not started	Not started	
102	**T-131B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
103	**T-132B**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
104	**T-133A**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
105	**T-134A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Not started	
106	**T-135A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
107	**T-136A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
108	**T-137**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
109	**T-138B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
110	**T-139A**	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
111	**T-140**	ZM-30 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
112	**T-141A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
113	**T-142B**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
114	**T-143A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
115	**T-144A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
116	**T-145B**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
117	**T-146A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
118	**T-147B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
119	**T-148A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
120	**T-149A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
121	**T-150A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
122	**T-152**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
123	**T-153A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
124	**T-154A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
125	**T-155B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
126	**T-156B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
127	**T-157A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
128	**T-158B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
129	**T-159A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
130	**T-160A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
								Completed	

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
131	**T-161B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
132	**T-162A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
133	**T-163A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
134	**T-164B**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
135	**T-165A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
136	**T-166A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
137	**T-167A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
138	**T-168B**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
139	**T-169B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
140	**T-170B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
141	**T-171A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
142	**T-172**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
143	**T-173A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
144	**T-174**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
145	**T-175A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
146	**T-176A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
147	**T-177B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
148	**T-178A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
149	**T-179B**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
150	**T-180A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
151	**T-181A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
152	**T-181M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
153	**T-182**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
154	**T-183**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
155	**T-184**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
156	**T-185**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Not started	
157	**T-186**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
158	**T-188A**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
159	**T-189A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
160	**T-190B**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
161	**T-191B**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
162	**T-192A**	ZM-60 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
163	**T-193A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
164	**T-193M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
165	**T-194A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
166	**T-194M**	ZM-60 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
167	**T-195A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
168	**T-196A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
169	**T-197A**	ZM-60 Standard	Completed	Value is above 10 ohm	Completed	Completed	Not started	Not started	
170	**T-198A**	ZM-30 Modify	Completed	Value is above 10 ohm	Completed	Completed	Not started	Not started	
171	**T-199A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
172	**T-200A**	ZM-60 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
173	**T-201A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Not started	Not started	
174	**T-202A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
175	**T-203A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
176	**T-204A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
177	**T-204M**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
178	**T-205A**	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
179	**T-206A**	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
180	**T-207A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
181	**T-208A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
182	**T-209A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
183	**T-210A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
184	**T-211A**	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
185	**T-212A**	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Completed	Completed	
								Completed	

The Major Construction Activities undertaken during this month are summarized in the following table:

Table 4.15: Overall Summary of Major Activities of Transmission Line

No.	Description	Already Completed uptil Previous Month	Completed in this Month	In Progress	Completed up to this Month	Remarks
1	**2**	**3**	**4**	**5**	**6=3+4**	**7**
A	**Transmission Line**					
1	Excavation/Cutting of tower foundation	172	0	0	172	
2	Concrete of tower foundation	168	0	0	168	
3	Backfill of tower foundation	168	0	0	168	
4	Tower Erection	156	0	0	156	
5	Stringing (Spans)	59	0	0	59	
B	**Grid Station**					
1	Foundation concrete of switch gear in Grid Station is in progress.					

Table 4.16: Area wise Summary of Major Activities of Line Work

Area	Total Towers	Change Proposal	Excavation Complete	Foundation Concrete Complete	Backfilling Completed	Erection Completed
Palas	10	0	10	10	10	10
Pattan	98	6	91	87	87	86
Sheikh Band	23	0	23	23	23	23
Jhalkot	20	0	20	20	20	20
Teyal Maidan	28	0	28	28	28	17
Total	**179**	**6**	**172**	**168**	**168**	**156**

Materials currently stored on site are summarized in the following table:

Table 4.17 Materials on Site

No.	Items	Qty.
1	Tower Bodies (Nos)	23
2	Lynx conductor (km)	105
3	110-volt battery charger (Nos)	2
4	11kv switchgear panels (Nos)	15
5	CT/CV/CB ISO (Nos)	20
6	Surge arestors (Nos)	15
7	Grounding conductor for G.S (km)	2.2
8	Rail conductor (km)	12.8
9	Shield wire (km)	38
10	Transmission line and G.S Hardware	Completed (except JKD Towers)
11	Telecom. Equipment	Completed as required.
12	Disc insulators + Post Insulators	12640 + 6
13	Control & Relay panels	6
14	Gantry material of G.S	Beams 3Nos and Columns 5Nos

4.5.4 Location wise Current Status of TL-01

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.18 Location wise Status (TL-01)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	T37, T38, T39, T40, T41, T42. T109A, T110B, T113B, T129A, T130A, T-			The Employer instructed the Contractor to carryout the design work for JKD towers (T-37 to T-42). However, the Contractor mobilized his team for subsoil investigation on the said towers but the landowners stopped the work. The Landowner has stopped the work at T-109A and T-110B demanding tree compensation for T-109A.The landowner wants to carry out the construction activities of T-113B by themselves but demanding high price for foundation work. The Landowner has stopped erection work on T-129A and claiming that he has balance payment which was agreed by Employer's representative in respect of preparing place for material storage at tower location. The Landowner		The Project Manager requested the Employer to resolve the issue in Weekly

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
	200A & T-201A. T173A to T175A & T184 to T186.			has stopped the work on T-130A and demanding tree compensation amount. The Land owner of T-200A and T-201A stopped erection work demanding for compensation of repairing the drain below these towers which was damaged during foundation work. The Landowners have stopped stringing activity from T-173A to T-175A & T-184 to T-186 demanding for amount of tree compensation. Work have been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)		Progress Meetings and by letter as well.

4.6 DASU-MW-01: Main Hydraulic Structure, Spillway, Low Level Outlets, River Diversions and Hydraulic Steel Structures

4.6.1 General Contract Data of MW-01

General Contract Data of this package is summarized in the following Table:

Table 4.19: General Contract Data of Dasu-MW-01

Item	Data
Contract Number	ICB No. Dasu-MW-01
Contract Name	Main Hydraulic Structure, Spill Way, Low Level Outlets, River Diversions and Hydraulic Steel Structures
Contractor	China Gezhouba Group Co. Ltd (CGGC)
Contract Agreement Signed	March 08, 2017
Commencement Date	June 23, 2017
Contract Price	PKR 115,003,461,240/-
Time of Completion	2039 days
Contract Completion Date	Jan 22, 2023
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.6.2 Progress Status of MW-01

The progress of MW-01 during this month is summarized in the following Table:

Table 4.20: Progress of Dasu-MW-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. Dasu-MW-01	67.4	59.6	19.9	1.82	0.12	37.6	20.0

- Gantt chart and S-Curves of Dasu-MW-01 shown in Figure 16 and Figure 17

4.6.3 Major Activities of MW-01

Major construction activities and progress are summarized below:

4.6.3.1 Preparatory Works

(1) Contractor's Camp

The following Contractor's camps have been constructed and are operating.

- Construction of Barseen Camp located on the mountain side from existing KKH completed on June 9th, 2019.
- Construction of Pakistani Camp located in Uchar area completed on November 3rd, 2019.
- Construction of Chinese Labour Camp located in Uchar Area on January 5th, 2020.

The construction of Kass Main Camp is in progress. The status of the construction is as follows.

- Ground leveling for the Contractor's main camp-72.80%
- Building foundation of the prefabricated house- 81.70%
- Prefabricated house hoisting- 100%
- Chinese Canteen- 100%
- Stone Masonry for Retaining Wall-60%
- Installation of precast fence- 100%

(2) Steel Truss Bridge at Seo

Construction of steel truss bridge at Seo completed on April 10th, 2022.

(3) 1# Batching Plant and 1# Crushing Plant at Uchar Area

- Stone Masonry for retaining wall- 96%
- Aggregate Storage- 90%
- Power Plant Ground Levelling-100%
- Power Plant Foundation- 100%
- Fencing Wall- 14%

(4) Aggregate Storage at CR9 Area

Construction of aggregate storage in CR9 area completed on December 26th, 2021.

(5) Additional Measures for Security Enhancement

The Contractor has worked on establishing of security measures i.e. Installation of watch tower at Uchar and Barseen, installation of Prefabricated Cabins with accessories at Barseen, Uchar, CR9 & Chochang Area and fixing of blind sheet along CR2 & CR9.

(6) Damage of Temporary Facility caused by Debris Flow in the Uchar Nalluh on 24th , 27th July, 1st , 12th , 16th , 20th , 24th & 26th August 2022

The Contractor's Water Supply Pipeline & pumps installed along the Uchar Nullah was washed out by debris flow in the Uchar Nalluh which results in stoppage of concrete/shotcrete works for Diversion Tunnel.

Backfill below Chinese and Local Dormitories at River side of Uchar Camp eroded due to debris flow in the Uchar Nalluh which result damage to the Chinese Canteen. Other buildings at river side is also in danger if further severe flood occurs in future.

(7) Suspension of Construction Activities inside Diversion Tunnel

Due to overtopping of the Indus River water from the Diversion Tunnel Inlet Dyke, all the excavation and concrete activities suspended inside the Tunnel since August 16, 2022.

Dewatering inside the Diversion Tunnel started from August 30th, 2022 and remaining continued during the month of September.

De silting from DT-A started from night of 24th September, 2022.

4.6.3.2 Diversion Tunnel

(1) Excavation of Diversion and Adit Tunnels

i) Adit Tunnels

- 3# Adit tunnel underground excavation completed (804.3m) on 2nd April 2020.
- 1-2# Adit tunnel work started from 23rd September and completed at 804.6 m on April 18, 2021.
- 3-1# Adit tunnel underground excavation (244m) was completed on Dec 13, 2020.
- Adit Tunnel 3-2 started on December 5, 2022 and progressed up to 110m from upstream side and from d/s excavation started on January 6, 2023 and progressed 26m. The total excavated progress for AT-3/2 is 136/ 223m (61%) till end of Jan, 23.

ii) Diversion Tunnels

➢ **Open Excavation of Inlet Structure**

Diversion Tunnel A

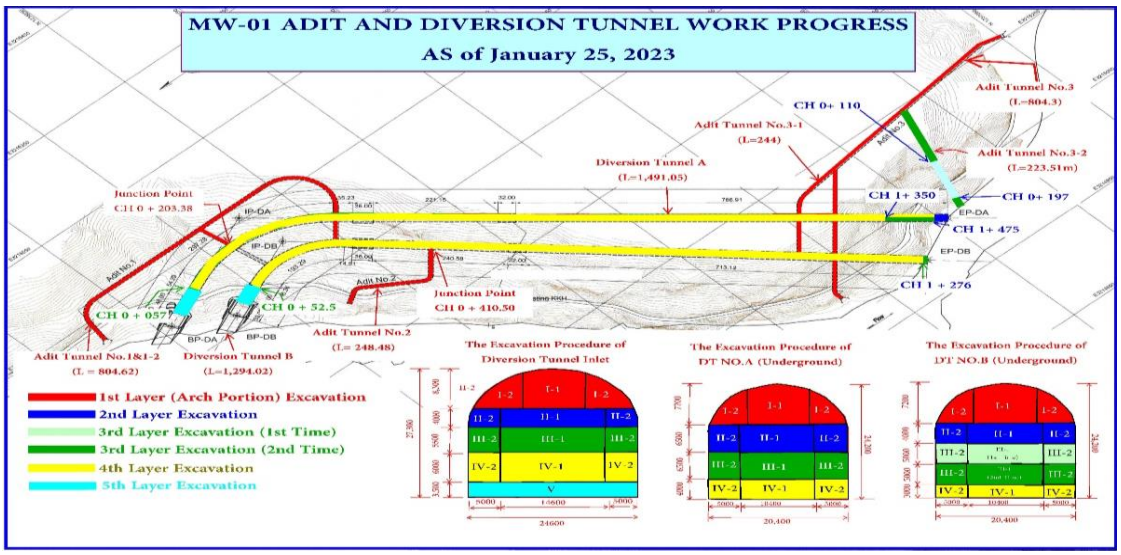
43,620/43,620m^3 (100%) open excavation completed at the end of December 2020.

Diversion Tunnel B

41,395/41,395m^3 (100%) open excavation completed at the end of December 2020.

➢ **Underground Excavation of Diversion Tunnel**

Overall progress of underground excavation of Diversion Tunnel is shown in figure below.



Diversion Tunnel A

Progress of the underground excavation of Diversion Tunnel A is summarized in the table below.

DIVERSION TUNNEL A (EXCAVATION PROGRESS)			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1st	1,491	1,491	100
2nd	1,491	1,491	100
3rd	1,491	1,445	97
4th	1,491	1,445	97
5th	55	55	100

- The underground excavation of upper section (1st layer) is completed and breakthrough was done on 23rd September, 2020 at CH.0+995.
- The second bench excavation commenced on April 16, 2020 and completed till end of the June, 2021The excavated length is **1,491m/1,491m (100%).**
- The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~ 1+445(1445m) .The Excavated Length is **1,445m/1,491m (97%).**
- The fourth bench excavation commenced on October 16, 2020**.** It is also progressed from Adit Tunnel No.3 progress 1+445. The excavated length is **1,**445m**/1,491m (97%).**
- The 5th layer for inlet section was started on December 08, 2020 and completed Ch. 0+061 till end of March, 2021.
- Overall Excavation volume progress for DT.A at the end of October is **747,942m^3/ 760,000m^3 (98.41%).**

Diversion Tunnel B

Progress of the underground excavation of Diversion Tunnel B is summarized in the table below.

DIVERSION TUNNEL B (EXCAVATION PROGRESS)			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1st	1,294	1,294	100
2nd	1,294	1,294	100
3rd (Part-1)	1,294	1,294	100
3rd (Part-2)	1,294	1,294	100
4th	1,294	1,276	99
5th	52.50	52.50	100

- The top bench excavation broke through on August 23, 2020. Enlargement at the outlet part is remaining for less than 10 m. Open excavation and support work of the outlet in progress.
- On December 17th, geological shear zone was encountered at CH.0+318 and tunnel support “Type II-6 (with lining concrete)” was applied. This supporting type continued till Ch.0+290 after that rock condition improved and support type changed to Type II-5.
- The second bench excavation was started on July 01, 2020. It is completed by end of June, 2021. The excavated length is **1,294m /1,294m (100%).**
- The third bench (1st time) excavation was started on July 03, 2020. It is progressed from inlet side (till Ch. 0+350) and from Adit Tunnel No.3 (Ch. 0+350~1+294). The excavated length is **1,294m/1,294m (100%).**
- The 3rd bench (2nd time) excavation was commenced on November 02, 2020. It is progressed from the inlet side (till Ch. 0+365) and from Adit Tunnel No.3 (Ch. 0+365~1+294). The excavated length is **1,294m/1,294m (100%).**
- The 4th bench excavation was progressed from Adit Tunnel No.3 Ch. 1+276 (1276m). The excavated length is **1,276m/1,294m (99%).**
- The 5th layer for inlet section was started on December 02, 2020 and completed on December 30, 2020.
- Overall Excavation progress for DT.B at the end of January, 2023 is **667,655m^3/ 670,000m^3 (99%).**
- **Excavation work for debris removal outside of DT-A & DT-B (outlet) river side remained continued during the month of January, 2023.**

(2) Concrete Work of Diversion and Adit Tunnels

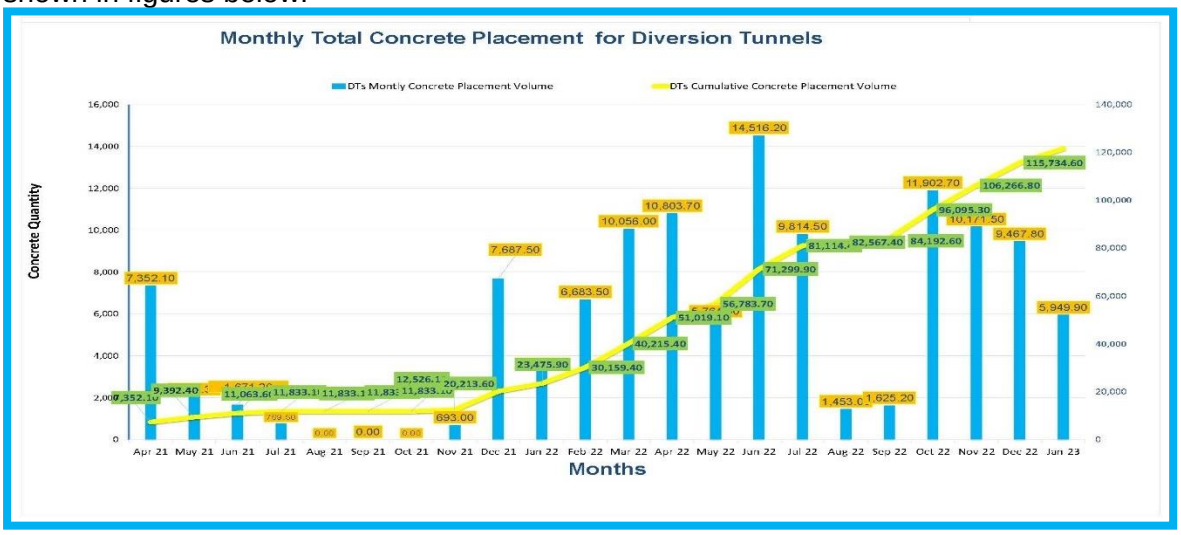
Diversion Tunnel A

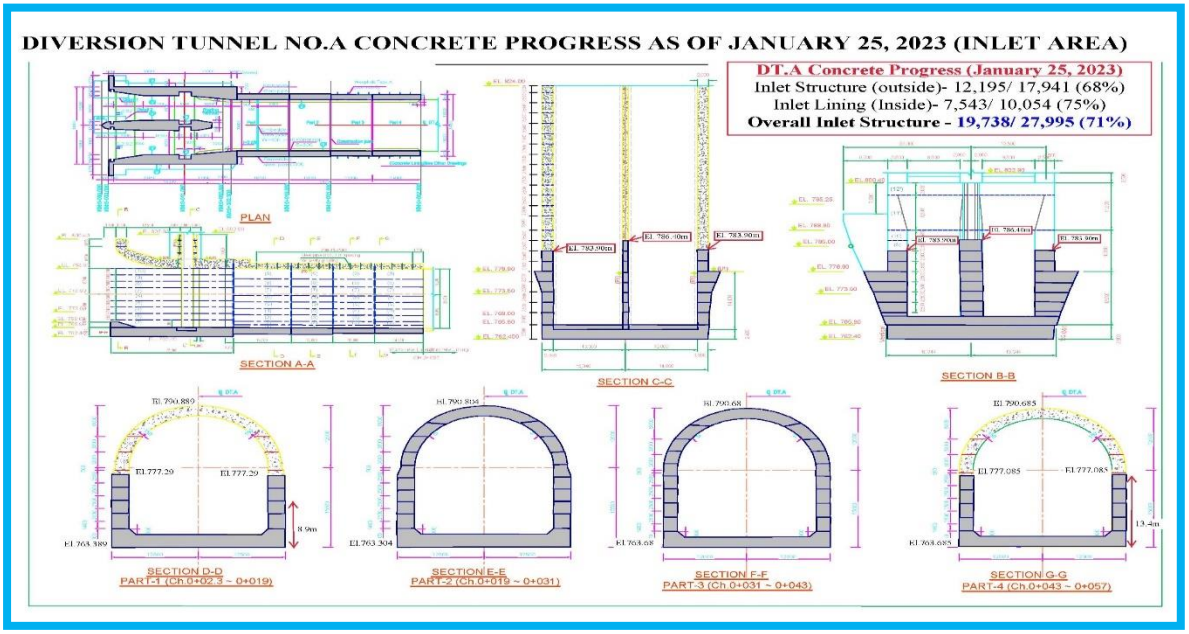
1) **Inlet Structure Works (Outside)**
   - 12,195m3 / 21,515m3 (57%) completed till end of January, 2023.
2) **Inlet Lining Works (Inside)**
   - **Concrete Works:** 7,543m3 / 10,873m3 (69%) completed till end of January 2023.
3) **Invert Levelling Concrete (C20)**
   - L/S- 1,183m / 1,524m (78%)
   - R/S- 1,241m/1,524m (81%)
4) **Invert Structural Concrete (A25)**
   - L/S- 660m / 1,434m (46%)
   - R/S- 1,020m/1,434m (71%)
5) **Outlet Structure Works**
   - **Concrete Works:** 1926m3 / 1926m3 (100%) completed on June 2nd, 2022.

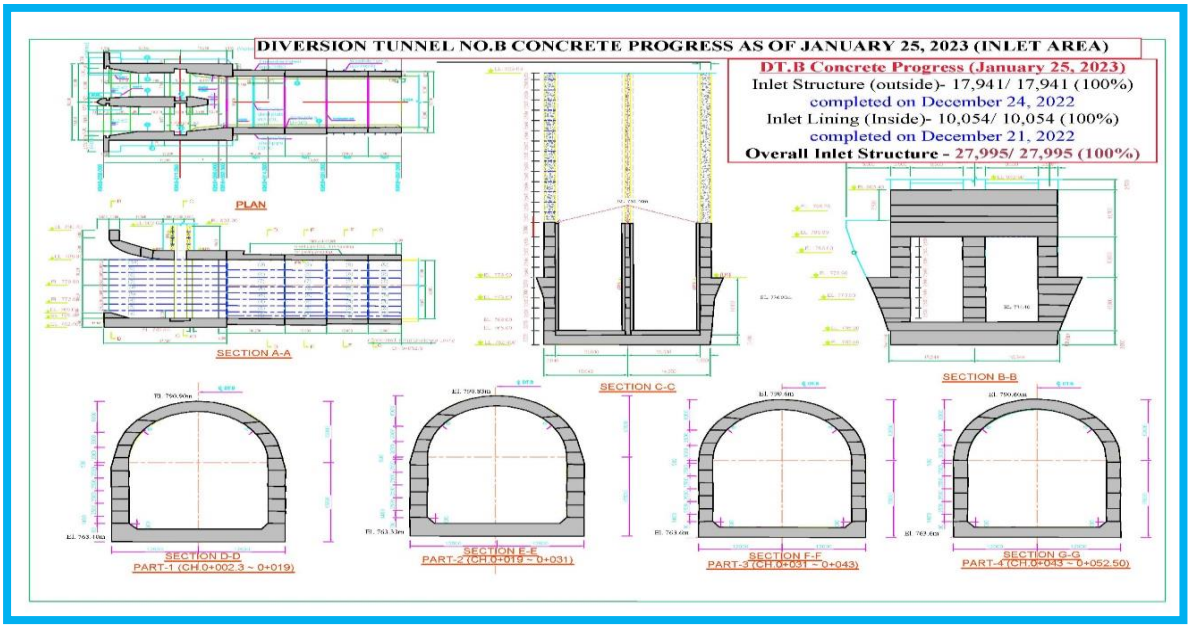
Diversion Tunnel No. B

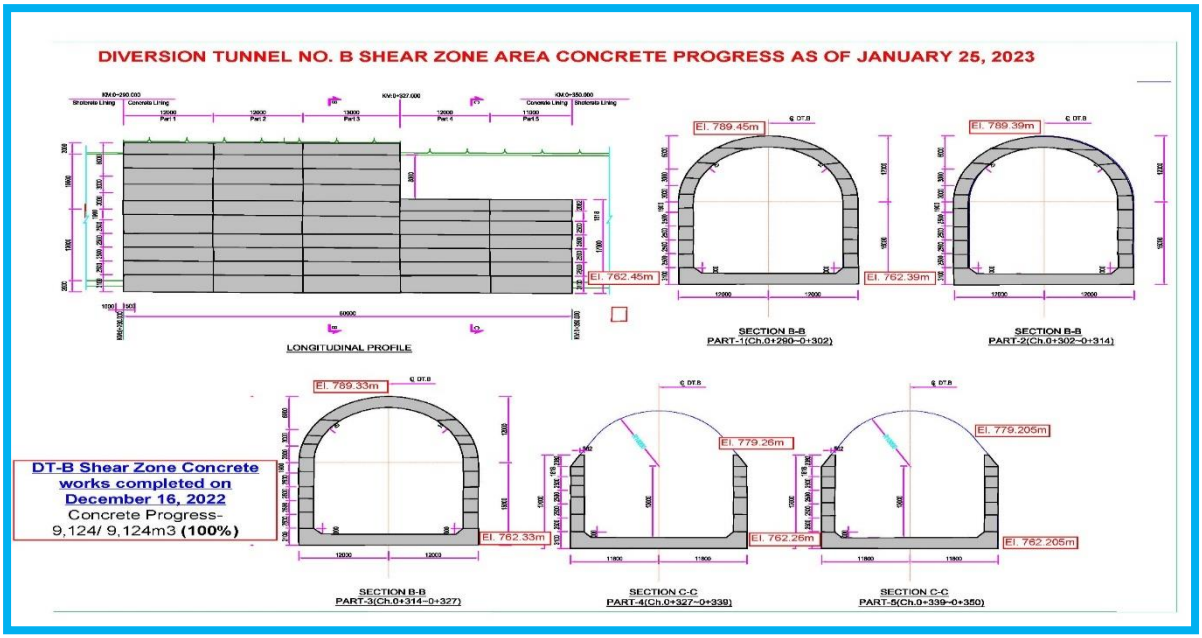
1) **Inlet Structure Works (Outside)**
   - 17,941m3/ 21,600m3 (83%) completed till end of January, 2023.
2) **Inlet Lining Works (Inside)**
   - 10,054m3 / 10,054m3 (100%) completed on 21st December, 2022.
3) **Shear Zone Area**
   - **Concrete Works:** 9,004m3 / 9,004m3 (100%) completed on 16th December, 2022.
4) **Invert Levelling Concrete (C20)**
   - L/S- 1,262m / 1,327m (95%)
   - R/S- 1,285m/1,327m (97%)
5) **Invert Structural Concrete (A25)**
   - L/S- 1,101.50m / 1,181.52m (93%)
   - R/S- 1,125.50m/1,181.52m (95%)
6) **Outlet Structure Works**
   - **Concrete Works:** 1829.20m^3/ 1829.20m^3 (100%) completed on May 9th, 2022.
   - **Additional Concrete:** Additional concrete at DT.B outlet wall started on January 16, 2023 and progress 331.50/450m3 (74%) up till end of January, 2023.
7) **Adit Plug Concrete**
   - **Concrete Works:** 514m3/ 1647m3 (31%) completed till end of January, 2023.

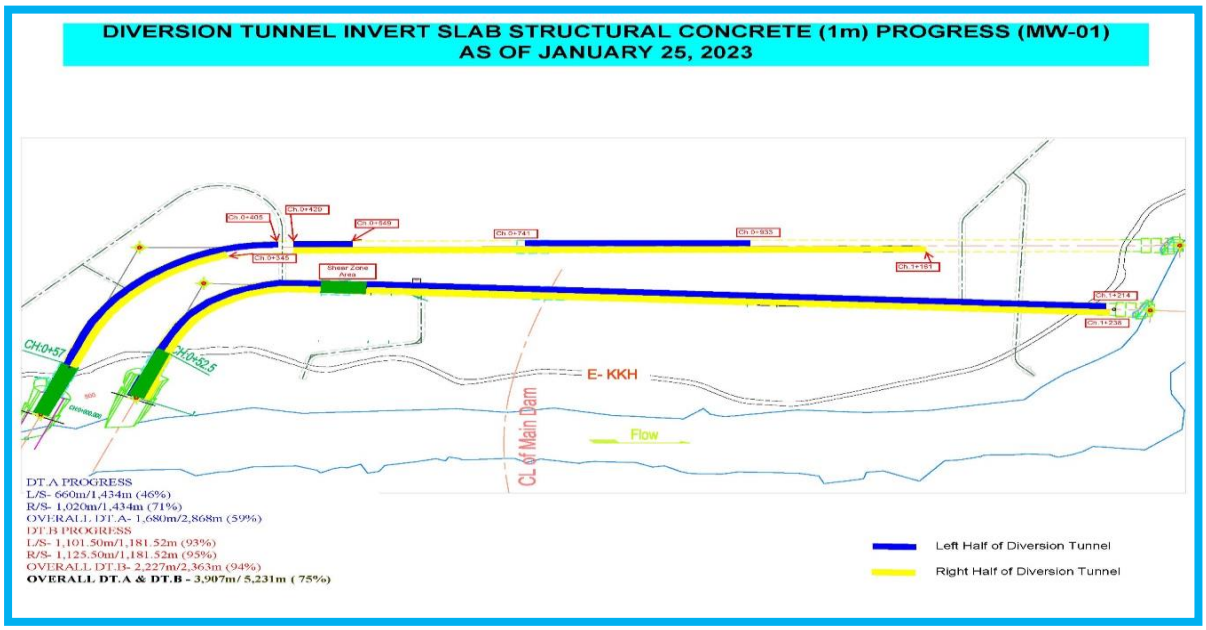
Progress of inlet structure concrete, concrete lining for shear zone and invert concrete are shown in figures below.

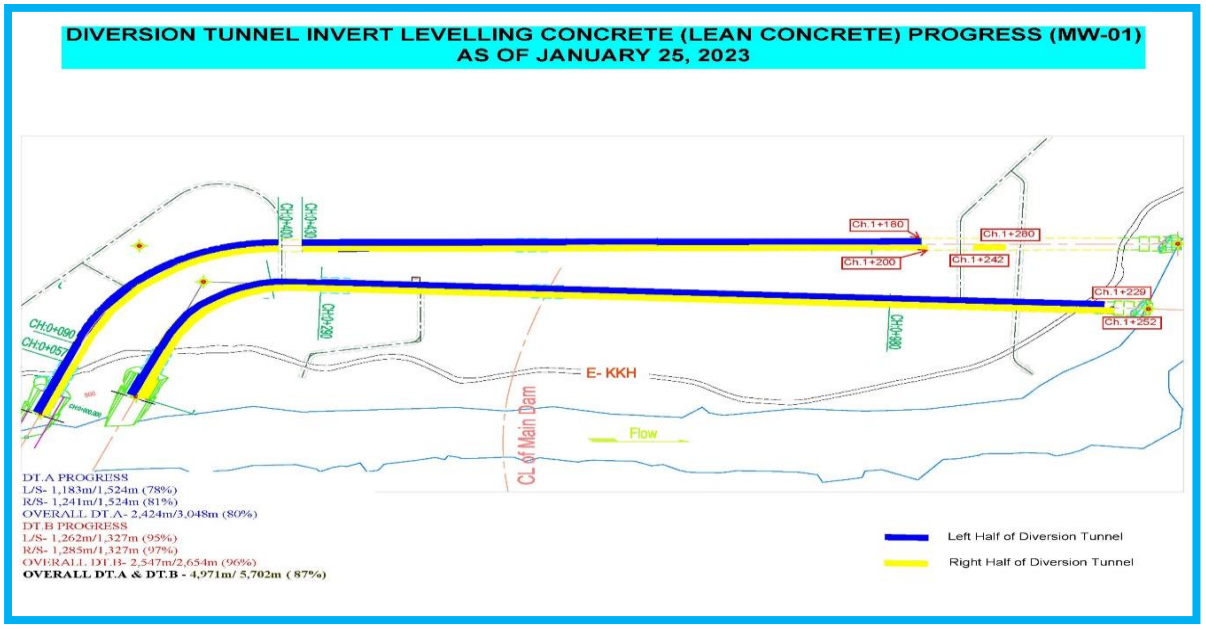



DIVERSION TUNNEL NO.A CONCRETE PROGRESS AS OF JANUARY 25, 2023 (INLET AREA)
DT.A Concrete Progress (January 25, 2023)
Inlet Structure (outside)- 12,195/ 17,941 (68%)
Inlet Lining (Inside)- 7,543/ 10,054 (75%)
Overall Inlet Structure - 19,738/ 27,995 (71%)
PLAN
SECTION A-A
SECTION C-C
SECTION B-B
SECTION D-D
PART-1 (Ch.0+02.3 ~ 0+019)
SECTION E-E
PART-2 (Ch.0+019 ~ 0+031)
SECTION F-F
PART-3 (Ch.0+031 ~ 0+043)
SECTION G-G
PART-4 (Ch.0+043 ~ 0+057)


DIVERSION TUNNEL NO.B CONCRETE PROGRESS AS OF JANUARY 25, 2023 (INLET AREA)
DT.B Concrete Progress (January 25, 2023)
Inlet Structure (outside)- 17,941/ 17,941 (100%)
completed on December 24, 2022
Inlet Lining (Inside)- 10,054/ 10,054 (100%)
completed on December 21, 2022
Overall Inlet Structure - 27,995/ 27,995 (100%)
PLAN
SECTION A-A
SECTION C-C
SECTION B-B
SECTION D-D
PART-1 (CH.0+002.3 ~ 0+019)
SECTION E-E
PART-2 (CH.0+019 ~ 0+031)
SECTION F-F
PART-3 (CH.0+031 ~ 0+043)
SECTION G-G
PART-4 (CH.0+043 ~ 0+052.50)


DIVERSION TUNNEL NO. B SHEAR ZONE AREA CONCRETE PROGRESS AS OF JANUARY 25, 2023
LONGITUDINAL PROFILE
SECTION B-B
PART-1(Ch.0+290~0+302)
SECTION B-B
PART-2(Ch.0+302~0+314)
SECTION B-B
PART-3(Ch.0+314~0+327)
SECTION C-C
PART-4(Ch.0+327~0+339)
SECTION C-C
PART-5(Ch.0+339~0+350)
DT-B Shear Zone Concrete works completed on December 16, 2022
Concrete Progress-
9,124/ 9,124m3 (100%)





(3) Inlet dyke

- Concrete: completed on July 4, 2019.
- Permeability test around the inlet dyke started on January 29, 2020.
- Concrete Pouring for remaining Inlet Dyke completed during the month of May, 2022.
- Some Part of Inlet Dyke in front of Diversion Tunnel No. A was removed for making platform for the Construction of Inlet Structure Slab.

(4) Diversion Tunnel Outlet dyke Construction Works

- Concrete Works: for DT-A 100% completed on June 11, 2021
- for DT-B 100% completed on June 13, 2021
- Reconstruction of DT-A Dyke completed on June 13, 2022
- Reconstruction of DT-B Dyke completed on June 6, 2022

Demolishing of Diversion Tunnel Outlet Dyke for removal of water from Diversion Tunnel carried out during the month of September.

(5) Right Diversion Tunnel on the right bank

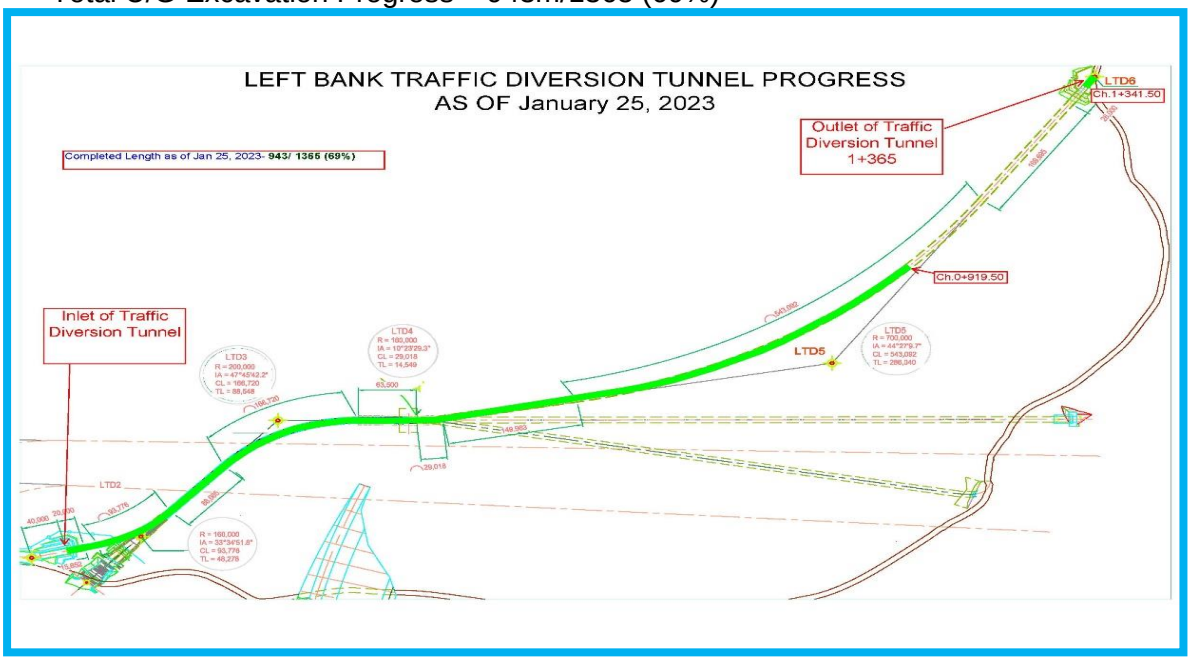
Drilling for canopy tube for d/s portal of Right Diversion Tunnel started on January 18, 2023 and remained continued till end of January, 2023.

- **Temporary facilities (Diversion tunnel Inlet side)**
  - Gabion protection for CR2 Road river side 100%

- **Temporary facilities (Diversion tunnel outlet side)**
  - Air supply station 100%
  - Power station 100%
  - Stone masonry for surface ditch on the EL. 785 Platform 100%

4.6.3.3 Left Bank Traffic Diversion Tunnel

- Underground Excavation from U/S started on April 1, 2021 and progressed up to 919.50m till end of January, 2023.
- Underground Excavation from D/S started on December 15, 2022 and progressed up to 23.50m till end of January, 2023.
- Total U/G Excavation Progress – 943m/1365 (69%)



4.6.3.4 Main Dam

The following works related to the construction of Main Dam are in progress.

(1) Right Bank Abutment (Siglo Area)

- U/S Temporary Access Road Construction- 70%
- D/S Temporary Access Road Construction- 70%
- Excavation and support of Right Bank Cable crane Platform above El. 1065m- 100%
- Excavation and support of Right Bank Cable crane Platform slope El. 1065m to El. 1050m- 56% (Now El. 1054m)

(2) Left Bank Abutment

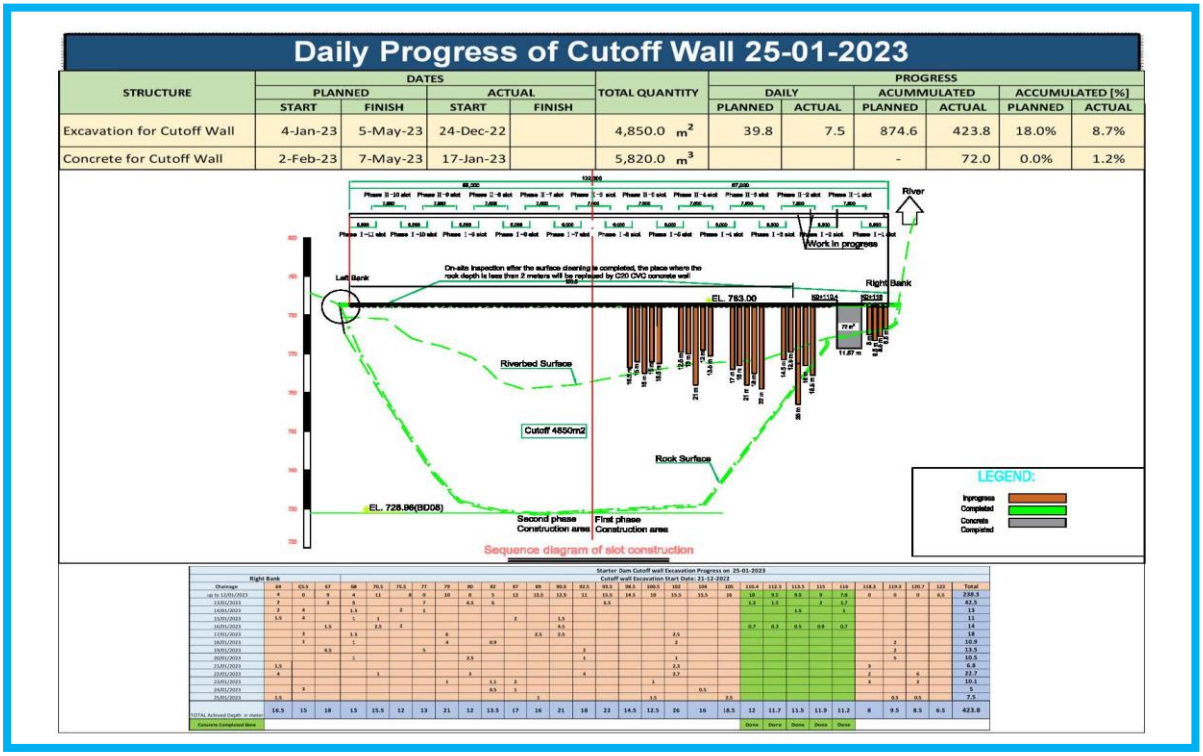
- Excavation of the second layer of CR5-2 Road- 27%
- Additional Berm excavation and support- 45%
- CR5 Pool Construction-100%

4.6.3.5 Upstream Starter Dam

- Right & Left bank fill road to U/S coffer dam- 100%
- Backfilling of upstream starter dam-80%

(1) Cut-off Wall

- Cut-off Wall Drilling started on December 24th 2022 from the right side and remained continued during the month of January-2023. Drilling progress achieved 423.8m /4850m (8.70%) till end of January, 2023.
- Concrete pouring for Cut off wall started on January 17, 2023 and progress is - 72m3/ 5820m3 (1.23%) till end of January, 2023
- Concrete pouring for the Guide wall of the Cut-off wall started on Dec 3rd 2022- 68.5m/122m (56%) (From Ch. 0+122 ~0+059m from right to left) & (From Ch. 0+000 ~0+005.5m from left to right) completed till end of January, 2023.



Daily Progress of Cutoff Wall 25-01-2023

STRUCTURE	DATES				TOTAL QUANTITY	PROGRESS					
	PLANNED		ACTUAL			DAILY		ACUMMULATED		ACCUMULATED [%]	
	START	FINISH	START	FINISH		PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL
Excavation for Cutoff Wall	4-Jan-23	5-May-23	24-Dec-22		4,850.0 m^2	39.8	7.5	874.6	423.8	18.0%	8.7%
Concrete for Cutoff Wall	2-Feb-23	7-May-23	17-Jan-23		5,820.0 m^3			-	72.0	0.0%	1.2%

4.6.4 Location wise Current Status of MW-01

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.21 Location wise Status (MW-01)

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
1	CR2, CR1	Diversion tunnel inlet access road CR-1 & CR2 100% completed. Reinforcing of KKH retaining wall completed Slope protection of CR-1 along KKH completed Sedimentation tank around Adit Tunnel No. 1 & 2 completed.	Existing CR2 Eroded during flood on August 16, 2022. The Contractor recovered the CR2 road after the flood.			
2	Uchar Nallah Water Inlet	Installation of water supply pipe until dam site 100% completed on June. Intake structure 100% completed on June.	Uchar Nalluh bridge was damaged during the flood in July/August, 2022. Cleaning of debris from the Uchar Nalluh was remained continue during the month of October.	No bridge available for the local traffic		The Contractor (CGGC) shall be requested for construction of bridge if FWO refuse.
3	Barseen camp	Dormitory & canteen housing finished.				
4	Pakistani Camp	Foundation Leveling: 100% Dormitory buildings : 100% , (8 dormitory houses, 1 Mosque and 1 canteen)	Backfilling and levelling work after the flood for uchhar Local Labor Camp remained continued during the month of October.			
5	Uchar Chinese Labor Camp	Construction of Prefabricated house: 100% Concrete Placement: 100% Fencing Wall: 100%	Backfilling and levelling work after the flood for uchhar Chinese Labor Camp remained continued during the month of October.			
6	Diversion Tunnel	**1-1# Adit tunnel** was completed on August 8, 2019. **Adit Tunnel 1.** Sedimentation pond started operation on October 15, 2019 **1-2# Adit tunnel** work started from 23rd September and completed at 804.6 m on April 18, 2021.	**Diversion Tunnel** **Excavation of Diversion and Adit Tunnels** **Adit Tunnels** - Adit Tunnel 3-2 started on December 5, 2022 and progressed up to 110m from upstream side and from d/s excavation started on January 6, 2023 and progressed 26m. The total excavated progress for AT-3/2 is 136/ 223m (61%) till end of January, 2023. **Diversion Tunnels** **Underground Excavation of Diversion Tunnel**	.		

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		2# Adit tunnel underground excavation finished at the end of May. Sedimentation pond operation was started on August 6, 2019. **3# Adit tunnel** underground excavation completed on 2nd April 2020. **3-1# Adit tunnel** underground excavation (244m) was completed on December 13, 2020. **AdIT Tunnel No.3** Sedimentation pond operation was started on August 8, 2019. Retaining wall and backfill was completed during July. **Diversion tunnel A Inlet Surface Excavation** Excavation: 43,620/43,620m^3 (100%) open excavation completed at the end of December 2020. **Diversion tunnel B inlet surface excavation** Excavation: 41395/41395 m^3 (100%) open excavation completed at the end of December, 2020. **Inlet dyke** Concrete: completed on July 4, 2019. **Temporary facilities (Diversion tunnel outlet side)** Air supply station 100% Power station 100% • **Diversion Tunnel Outlet dyke Construction Works** • **Concrete Works:** for DT-A 100% completed on June 11, 2021 • for DT-B 100% completed on June 13, 2021 • **Reconstruction of DT Outlet Dyke**- A Dyke completed on June 13, 2022 • Reconstruction of DT-B Dyke completed on June 6, 2022 **DT-A Outlet Structure Concrete Works** • **Concrete Works:** 1926m3 / 1926m3 (100%) completed on June 2nd, 2022. **DT-B Outlet Structure Concrete Works** • **Concrete Works:** 1829.20m^3/ 1829.20m^3 (100%) completed on May 9th, 2022. **DT.B Inlet Lining Works (Inside)** • 10,054m3 / 10,054m3 (100%) completed on 21st December, 2022. **DT.B Shear Zone Area** • **Concrete Works:** 9,004m3 / 9,004m3 (100%) completed on 16th December, 2022.	**Diversion Tunnel A** - The underground excavation of upper section (1st layer) is completed and breakthrough was done on 23rd September, 2020 at CH.0+995. ➢ The second bench excavation commenced on April 16, 2020 and completed till end of the June, 2021The excavated length is **1,491m/1,491m (100%).** ➢ The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~ 1+475(1475m) .The Excavated Length is **1,475m/1,491m (99%).** ➢ The fourth bench excavation commenced on October 16, 2020**.** It is also progressed from Adit Tunnel No.3 progress 1+445. The excavated length is **1,445m/1,491m (97%).** ➢ The 5th layer for inlet section was started on December 08, 2020 and completed Ch. 0+061 till end of March, 2021. ➢ Overall Excavation volume progress for DT.A at the end of January, 2023 is **747,942m^3/ 760,000m^3 (98.41%).** **Diversion Tunnel B** - The top bench excavation broke through on August 23, 2020. Enlargement at the outlet part is remaining for less than 10 m. Open excavation and support work of the outlet in progress. - On December 17th, geological shear zone was encountered at CH.0+318 and tunnel support "Type II-6 (with lining concrete)" was applied. This supporting type continued till Ch.0+290 after that rock condition improved and support type changed to Type II-5. ➢ The second bench excavation was started on July 01, 2020. It is completed by end of June, 2021. The excavated length is **1,294m /1,294m (100%).** ➢ The third bench (1st time) excavation was started on July 03, 2020. It is progressed from inlet side (till Ch. 0+350) and from Adit Tunnel No.3 (Ch. 0+350~1+294). The excavated length is **1,294m/1,294m (100%).** ➢ The 3rd bench (2nd time) excavation was commenced on November 02, 2020. It is progressed from the inlet side (till Ch. 0+365) and from Adit Tunnel No.3 (Ch. 0+365~1+294). The excavated length is **1,294m/1,294m (100%).** ➢ The 4th bench excavation was progressed from Adit Tunnel No.3 Ch. 1+276 (1276m). The excavated length is **1,276m/1,294m (99%).** - The 5th layer for inlet section was started on December 02, 2020 and completed on December 30, 2020. - Overall Excavation progress for DT.B at the end of January, 2023 is **667,655m^3/ 670,000m^3 (99%).** - **Excavation work for debris removal outside of DT-A & DT-B (outlet) river side remained continued during the month of January, 2023.** **Concrete Work of Diversion and Adit Tunnels** **Diversion Tunnel A** **Inlet Structure Works (Outside)** - 12,195m3 / 21,515m3 (57%) completed till end of January, 2023. **Inlet Lining Works (Inside)** - **Concrete Works:** 7,543m3 / 10,873m3 (69%) completed till end of January 2023. **Invert Levelling Concrete (C20)** - L/S- 1,183m / 1,524m (78%) - R/S- 1,241m/1,524m (81%) **Invert Structural Concrete (A25)** • L/S- 660m / 1,434m (46%) • R/S- 1,020m/1,434m (71%) **Diversion Tunnel No. B** **Inlet Structure Works (Outside)** - 17,941m3/ 21,600m3 (83%) completed till end of January, 2023. **Invert Levelling Concrete (C20)** - L/S- 1,262m / 1,327m (95%) - R/S- 1,285m/1,327m (97%) **Invert Structural Concrete (A25)** - L/S- 1,101.50m / 1,181.52m (93%) - R/S- 1,125.50m/1,181.52m (95%) **Outlet Structure Works**			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
			- **Concrete Works:** 1829.20m^3/ 1829.20m^3 (100%) completed on May 9th, 2022. - **Additional Concrete:** Additional concrete at DT.B outlet wall started on January 16, 2023 and progress 331.50/450m3 (74%) up till end of January, 2023. **Adit Plug Concrete** - **Concrete Works:** 514m3/ 1647m3 (31%) completed till end of January, 2023. -			
7	Left Bank Traffic Diversion Tunnel	Upstream Surface Excavation for Inlet Portal– 100% Excavation of the Slope for Outlet- 100% Support of the slope for outlet- 100% completed on December 14, 2022 Canopy tube drilling and installation- 100%	- Underground Excavation from U/S started on April 1, 2021 and progressed up to 919.50m till end of January, 2023. - Underground Excavation from D/S started on December 15, 2022 and progressed up to 23.50m till end of January, 2023. - Total U/G Excavation Progress – 943m/1365 (69%) -	Slow progress observed at U/G excavation.		The Engineer repeatedly instructed the Contractor to expedite the work in Progress Review meetings.
8	Steel Truss Bridge at Seo	**Steel Truss Bridge at Seo** Right side Abutment construction Foundation Grouting – 100% Concrete placement – 100% Left side Abutment construction Concrete placement – 100% Bridge Installation- 100% -				
9	Left Bank Abutment (Logro Area)	- Excavation of the first layer of CR5-2 Road- 100% - Slope Excavation-100% - CR5 Pool Construction-100%	- Excavation of the second layer of CR5-2 Road- 27% - Additional Berm excavation and support- 45% -	Additional Berm excavation affected due to down side power intake work		The Contractor was instructed to manage and resume this work.
10	Right Bank Abutment (Siglo Area)	- D/S Temporary Access Road Construction- 100% - Excavation and support of Right Bank Cable crane Platform above El. 1065m- 100%	**Right Bank Abutment (Siglo Area)** - U/S Temporary Access Road Construction- 70% - D/S Temporary Access Road Construction- 70% - Excavation and support of Right Bank Cable crane Platform above El. 1065m- 100% - Excavation and support of Right Bank Cable crane Platform slope El. 1065m to El. 1050m- 56% (Now El. 1054m)	Slow progress at Right Cable Crane excavation observed.		The Contractor was instructed to expedite this activity at every weekly progress meetings.
11	1# Batching Plant and 1# Crushing Plant at Uchar Area	- 2# Retaining wall excavation Foundation- 100% - Stone masonry for 6# and 7# retaining wall- 100% - Coarse Crushing Platform Leveling- 100% - Power Plant Ground Levelling-100% **Medium and fine sand Crushing System** ▪ Cushion Pouring- 100% ▪ Column Foundation-100% **1# Batching Plant** ▪ Batching Plant Foundation Excavation- 100% ▪ Power Plant Ground Levelling-100% ▪ Power Plant Foundation- 100%	**1# Batching Plant and 1# Crushing Plant at Uchar Area** - Stone Masonry for retaining wall- 96% - Aggregate Storage- 90% - Power Plant Foundation- 100% - Fencing Wall- 14%	Improper gradation of course aggregate (high %age of elongated & flakiness particles)		The Contractor was instructed to solve the gradation issue of the course aggregates
12	Diversion Channel on the Right Bank		Excavation of the River bed in front of DT. A &B Outlet remained continued during the month of January, 2023.			
13	Uchar Tentative Crushing Plant (River side)	All civil works and installation of machines completed	In operation			
14	Tentative Batching Plant (at Logro)	All civil works and installation of machines completed	In operation			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
15	Kass Camp	- Pool Construction-100 - Prefabricated house hoisting- 100% - Chinese Canteen- 100% - Installation of precast fence- 100%	The construction of Kass Main Camp is in progress. The status of the construction is as follows. - Ground leveling for the Contractor's main camp-72.80% - Building foundation of the prefabricated house- 81.70% - Stone Masonry for Retaining Wall-60%	The Employer handed over 63% land to the Contractor. There is dispute in the remaining area at Kass.		The Contractor is instructed to install fence around the dispute area
16	U/S Starter Dam	- Right & Left bank fill road to U/S coffer dam- 100% xiii.	**Upstream Starter Dam** - Backfilling of upstream starter dam-80% **Cut-off Wall** - Cut-off Wall Drilling started on December 24th, 2022 from the right side and remained continued during the month of January-2023. Drilling progress achieved 423.8m /4850m (8.70%) till end of January, 2023. - Concrete pouring for Cut off wall started on January 17, 2023 and progress is - 72m3/ 5820m3 (1.23%) till end of January, 2023 - Concrete pouring for the Guide wall of the Cut-off wall started on Dec 3rd, 2022- 68.5m/122m (56%) (From Ch. 0+122 ~0+059m from right to left) & (From Ch. 0+000 ~0+005.5m from left to right) completed till end of January, 2023.	Slow progress at cut off wall excavation		The Contractor was instructed to expedite drilling of cut off wall
17	**Right Diversion Tunnel on the right bank**	xiv.	**Right Diversion Tunnel on the right bank** **Drilling for canopy tube for d/s portal of Right Diversion Tunnel started on January 18, 2023 and remained continued till end of January, 2023.**			
18	RCC Batching Plant at Siglo Area	xv.	Fence installation carried out at d/s edge of RCC Batching Plant	No leveling work started by the Contractor for RCC Batching Plant		The Contractor was instructed to start RCC Batching Plant work as soon as possible.

4.6.5 Summary of Varied Works of MW-01

Varied works under MW-01 Contract are required as listed below due to the following major reasons:

- Delaying of Relocation KKH (KKH-01):
  - I) River diversion tunnels and gates were enlarged (VO-003 & VO-006) to secure general traffic and to mitigate inundation risks of the existing KKH,
  - ii) Temporary facilities for construction of diversion tunnel were changed (VO-001 & VO-002) to compliance with increase of the work quantities of diversion tunnels, and
  - iii) Traffic bypass route of general traffic on the existing KKH is required (VO-004) to proceed left bank excavation for the main dam.
- Delaying of Handover of Allotted Area:

  General layout of temporary facilities had been forced to rearrange within the limited land (VO-001, VO-002, and VO-005).

Status of the varied works is summarized in the following Tables.

Table 4.22: Status of Variation Order by the Engineer

ID	Varied Works	Latest RFP	Contractor's Latest Proposal	Engineer's Assessment	Signed VO
VO-001	Construction Roads and Platforms for Diversion Facilities	06 Mar. 2020	20 Dec. 2021	30 Dec. 2021	16 Jan 2022 PKR 967 mil.
VO-002	Adit Tunnels for Diversion Facilities	17 Jul. 2019	20 Dec. 2021	31 Dec. 2021	16 Jan 2022 PKR 1,275 mil.
VO-003	River Diversion Tunnels	29 Sep. 2020	30 Oct. 2020	21 Jan. 2021	17 Nov 2021 PKR 19,805 mil.
VO-004A	Construction of LB Traffic Diversion Tunnel	12 Feb. 2021	20 Dec. 2021	20 Dec. 2021	16 Jan 2022 PKR 1,010 mil.
VO-005	Land Lease at Purana Gao-Seo Area Phase- 1	N/A	N/A	N/A	01 July 2020 PKR 81 mil.
VO-006	Diversion Gates & Hoists	14 Apr 2022	Not yet submitted	N/A	N/A
VO-007	Permanent Access Roads and Construction Access Roads in Left Bank	1 September 2022	Not yet submitted	N/A	N/A

4.6.6 Summary of Daily Work Records of MW-01

Summary of Daily Work Records of MW-01 is attached in Appendix-K

4.7 DASU-MW-02: Underground Power Complex, Tunnels and Hydraulic Steel Structures

4.7.1 General Contract Data of MW-02

General Contract Data of this package is summarized in the following Table:

Table 4.23: General Contract Data of Dasu-MW-02

Item	Data
Contract Number	ICB No. Dasu-MW-02
Contract Name	Underground Power Complex, Tunnels and Hydraulic Steel Structures
Contractor	China Gezhouba Group Co. Ltd (CGGC)
Contract Agreement Signed	March 08, 2017
Commencement Date	June 23, 2017
Contract Price	PKR 64,426,426,087/-
Time of Completion	2069 days
Contract Completion Date	Feb 21, 2023
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.7.2 Progress Status of MW-02

The progress of MW-02 during this month is summarized in the following Table:

Table 4.24: Progress of MW-02 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. Dasu-MW-02	67.4	62.4	8.3	1.83	0.13	49.2	8.4

- Gantt chart and S-Curves of Dasu-MW-02 shown in Figure 18 and Figure 19

4.7.3 Major Activities of MW-02

The major construction activities undertaken during this month were:

4.7.3.1 Preparatory Works

(1) Khushi Labour Camp

- Khushi Labour Camp is completed in 26th of June 2021.

(2) CR4 /LU1/CR5-1 Road at Logro-1 Area

- A part of the Logro 1 area (0.53 ha) was handed over on 13th of March 2020.
- 1st Blasting of CR4 was executed on 17 March 2020.
- Pilot road excavation of CR4 Road was completed.
- Pilot Road excavation for LU1 Road has been commenced.
- Access road of Power Intake Protection Fence Platform was commenced on 27th of October 2021.
- Power Intake Platform protection fence ch.0+113-0+133 is in progress. (April 2022)
- Surface Excavation for lowering level is in progress. (April 2022)
- Surfacer Boulders blasting was in Progress (June 2022)
- Surfacer Boulders blasting was in Progress (Sep. 2022)

(3) Khushi Batching Plant:

- The Engineer informed the Contractor that the remaining part of LD7 (1.982ha) at Khushi area, where the new batching plant will be constructed, was handed over on 03rd March 2020 by letter on 3rd of March 2020.
- Contractor submitted document for new batching plant in Khushi on 19th of February 2020. The Engineer reviewed and replied with comments by letter on 5th of March 2020.
- Khushi Batching Plant is still under assembly with the Aggregates bays being constructed along with the drainage pipe being installed.
- Civil works for aggregate storage area have been completed on 28th March 2021.
- Batching Plant of CR9 Area is Operational However Some reservations yet to be fulfilled by the Contractor as per the Engineer's instruction.

4.7.3.2 Main Access tunnel

- Work progress of Main Access Tunnel completed on 30th. November.2020 (963.50 m in total, 100.00% of total length of 963.5 m).

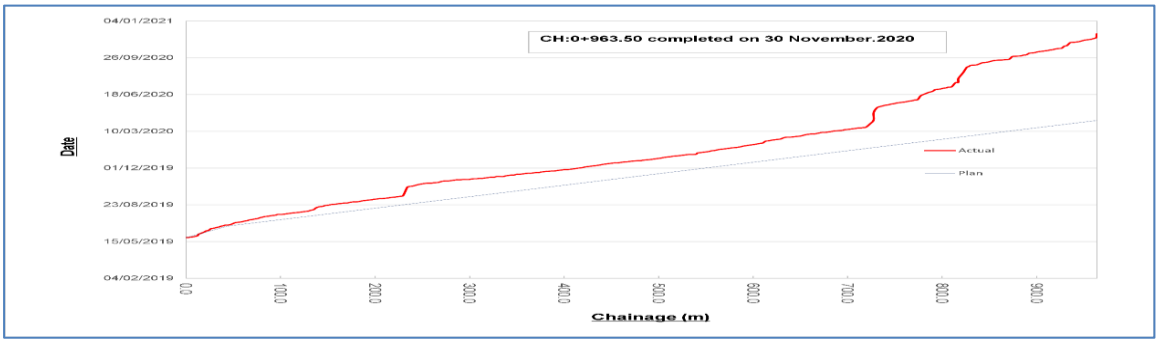


Figure: Work Progress of Main Access Tunnel

4.7.3.3 Main Access Platform

- Gravity Wall Type A: 0 m3 (949 m3 in total, 94% of design volume).
- Gravity Wall Type C: 0 m3 (356 m3 in total)
- Leaning Retaining Wall Type III: 0 m3 (791 m3 in total, 89% of design volume).
- Criss Drain Culvert: 0 m^3 (62 m^3 in total), works was suspended

4.7.3.4 Surge Chamber Vault Access Tunnel

- Excavation of Surge Chamber Vault Access Tunnel was started on 29 Dec 2019.
- Work progress of Surge Chamber Vault Access Tunnel in Oct 2022: 0.00 m (518.00 m in total, 97.7 % of total length of 530.0 m)
- Crown enlargement and support work Towards Galleries was in progress (Aug 2022)
- Bench Excavation and Support of SCVAT #1 Gallery was in progress (current chainage 0+67 m (25 Jan. 2023)
- Bench Excavation & Support of SCVAT #2 Gallery was in Progress (Current chainage 0+026 m (25 Jan. 2023)

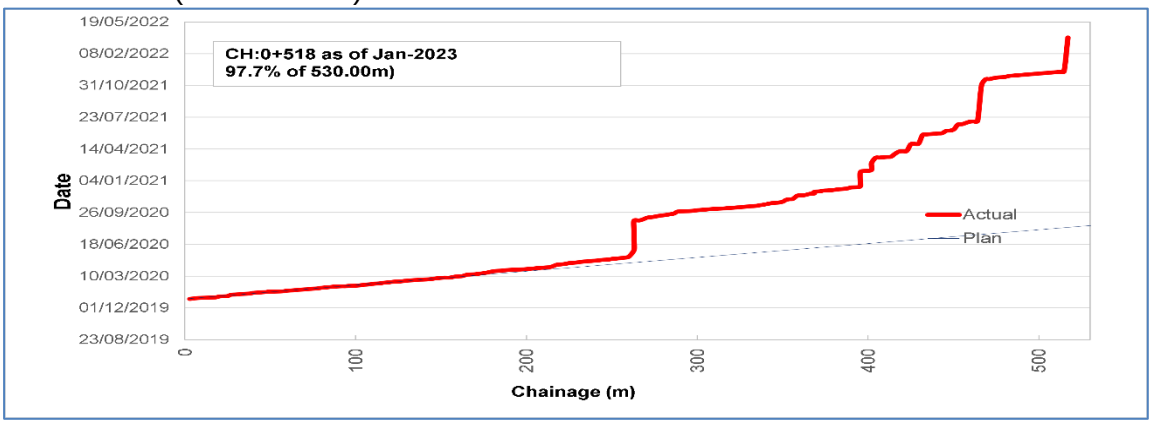


Figure: Work Progress of Surge Chamber Vault Access Tunnel

4.7.3.5 Service Tunnel A

- Excavation of Service Tunnel A was started on 20 January 2020.
- Work progress of Service Tunnel A in September 2022: 0.00m (567 m in total, 99.5% of total length of 569.73 m)

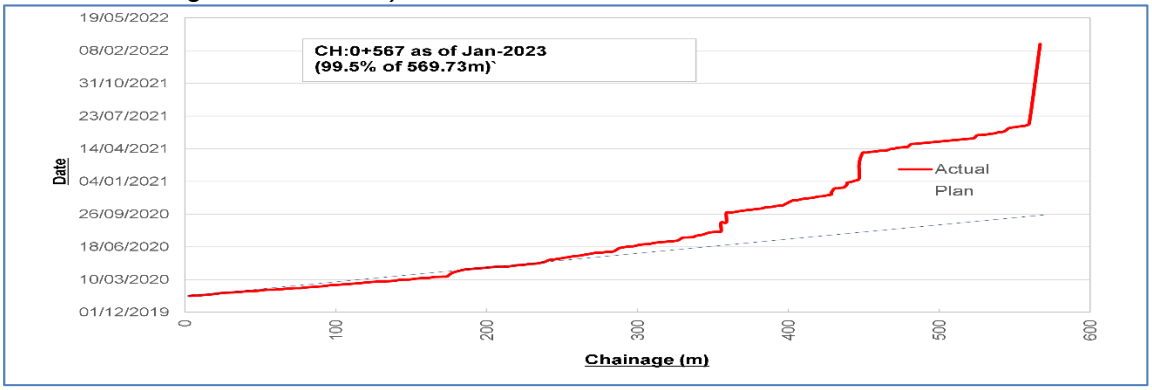


Figure: Work Progress of Service Tunnel A

4.7.3.6 Service Tunnel C

- Tunnel excavation of Service Tunnel C commenced on 02 February 2020.
- Design Excavation was completed in the Month of Jan.2022.

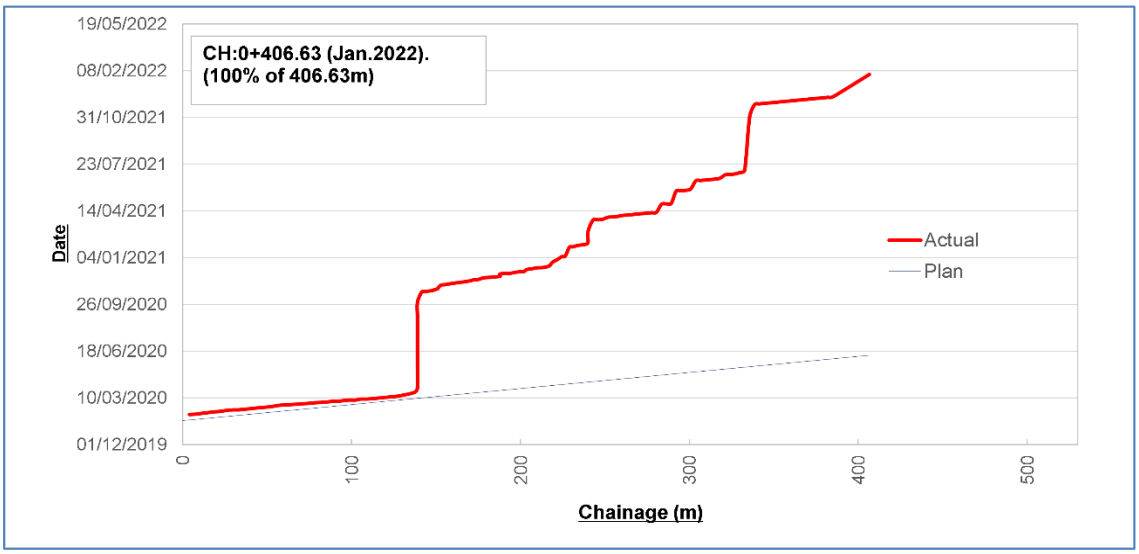


Figure: Work Progress of Service Tunnel C

4.7.3.7 GIS Room Access Tunnel

- The Engineer issued revised construction drawings for the GIS Room Access Tunnel on 24 Mach 2020.
- GIS Room Access Tunnel commenced on 01 March 2020.
- Work progress of the GIS Room Access Tunnel in Jan.2023: 00.0m (113m in total 98.9% of the total length of 114.18 m)
- TB Tunnel Excavation was in Progress F.ch 0+127 approx. (25 Jan. 2023)

4.7.3.8 Exhaust Tunnel

- Exhaust Tunnel commenced on 14 March 2020.
- Completed except for Vertical Shaft (217.26 m in total 100% of the total length of 217.26 m).
- Trail Excavation for vertical Shaft was completed from the drain Tunnel. (23rd November 2022)

4.7.3.9 Underground Powerhouse

Crown Portion

- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) commenced on the 23rd of May 2020.
- Pilot excavation was completed.
- I-2 Enlargement was completed on 5th June 2022)
- I-3 Enlargement was completed on the 24th of March 2022)
- Total Excavation Volume of January 2022 is 66790.00 m3 of Total Powerhouse Cavern Excavation Volume of 378,570.46 m^3 which is the progress of **17.64%** in total.
- Excavation for 2nd Bench (Central portion and Both Left /Right Side walls Opening) Commenced on 25 Sep. 2022.
- Support Work is in progress for the overall Crown Pilot Portion.
- PS Tendon Installation was in progress (January.2022)
- Excavation for 2nd Bench (Central portion II-1 and Both Left /Right Side walls Opening) of Powerhouse Cavern was Completed on 28th of November 2022.

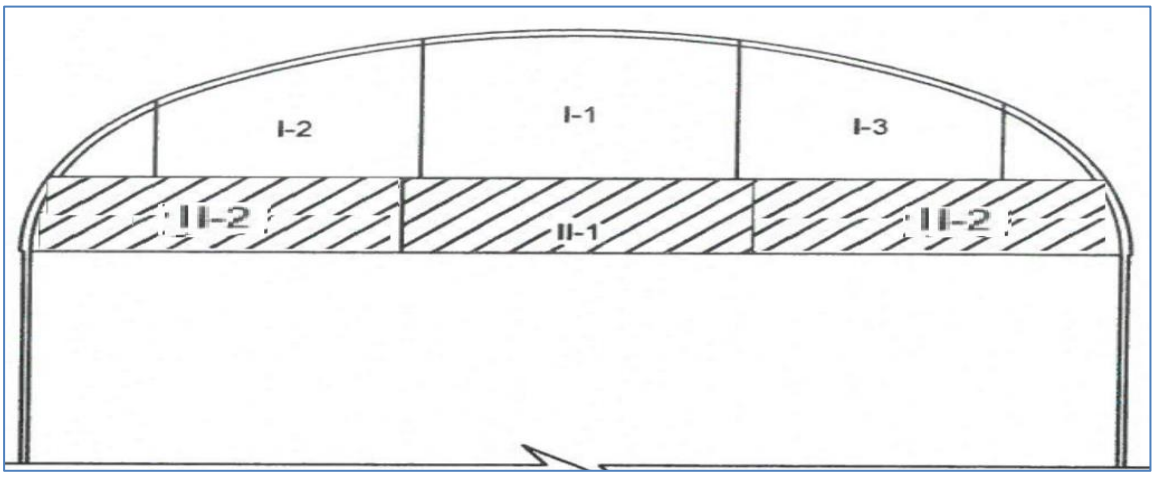


Figure: Section of Powerhouse Cavern 2nd Bench

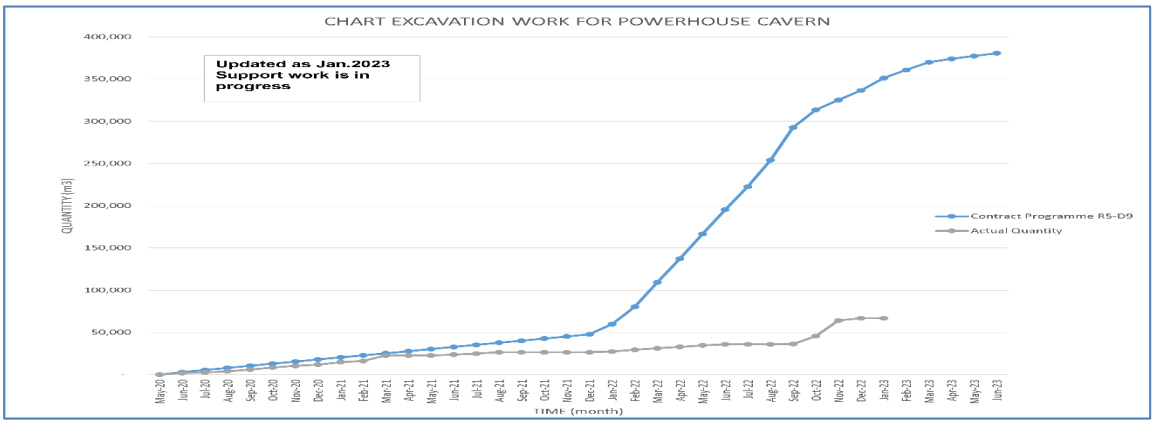


Figure Work Progress of Powerhouse Cavern 2nd Bench

4.7.3.10 Underground Transformer Cavern

- Excavation Bench 1 Crown Portion (Pilot Tunnel I-1) was commenced on 4 June 20.
- Updated rock support drawings were issued on 02 June 2020.
- Excavation was Completed I-1 in the Month of December 2021)
- I-2 Enlargement was completed on 12th of June 2022.
- I-3 Enlargement was complete on 22nd July 2022.
- Total Excavation Volume of January. 2022 is 55300.7m^3 of Total Transformer Cavern Excavation Volume of 234,829.30m3 which is the progress of **23.5%** in total.
- Excavation for 2nd Bench (Central portion and Both Left /Right Side walls Opening) Commenced on 25 Sep. 2022.
- Excavation for 2nd Bench (Central portion and Both Left /Right Side walls Opening) of Transformer Cavern was completed on 23rd November 2022.

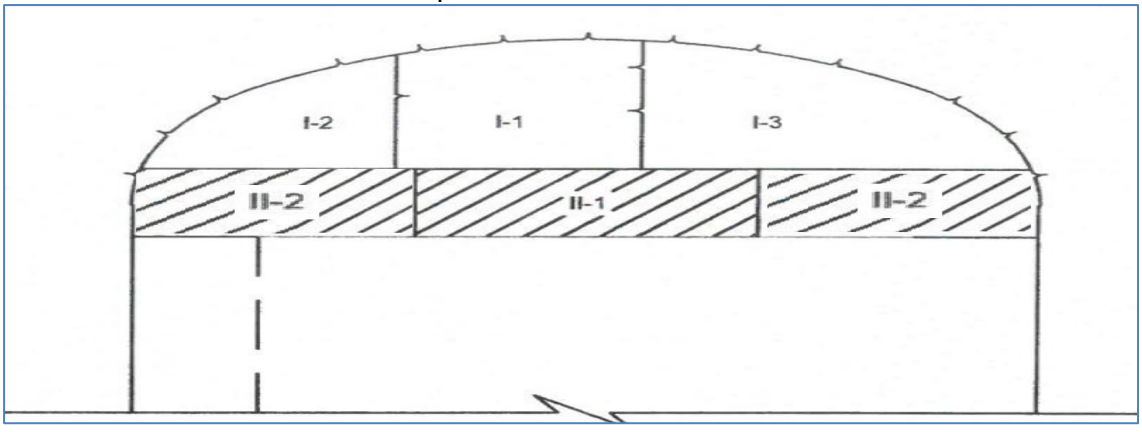


Figure: Section of Transformer/GIS Cavern Excavation 2nd Bench

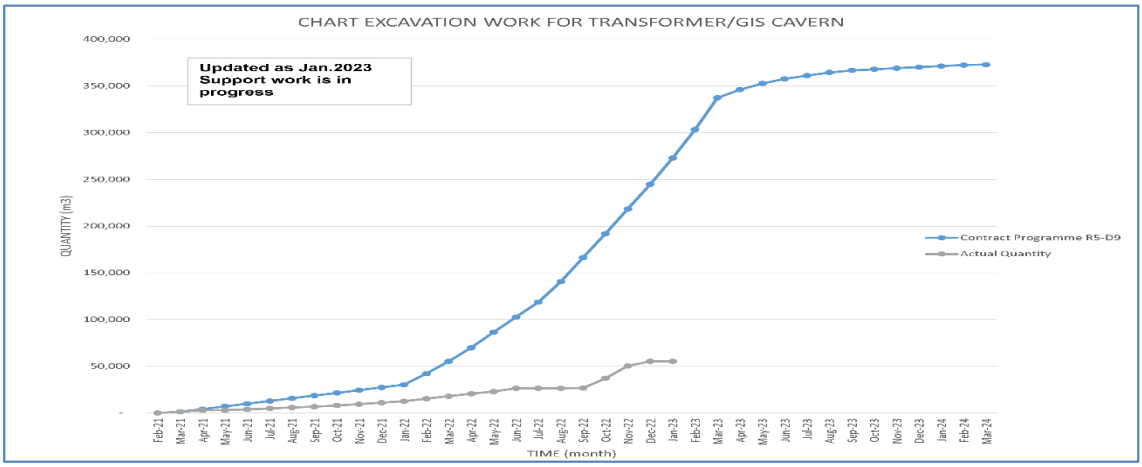


Figure: Work Progress of Transformer/GIS Cavern 2nd Bench Diagram

4.7.3.11 Drain Tunnel

- Drain Tunnel was commenced on 06 July 2019.
- Work progress of the Drain Tunnel in October 2022: 0.00m (924.50 m in total, 97.36 % of total length of 949.50m).

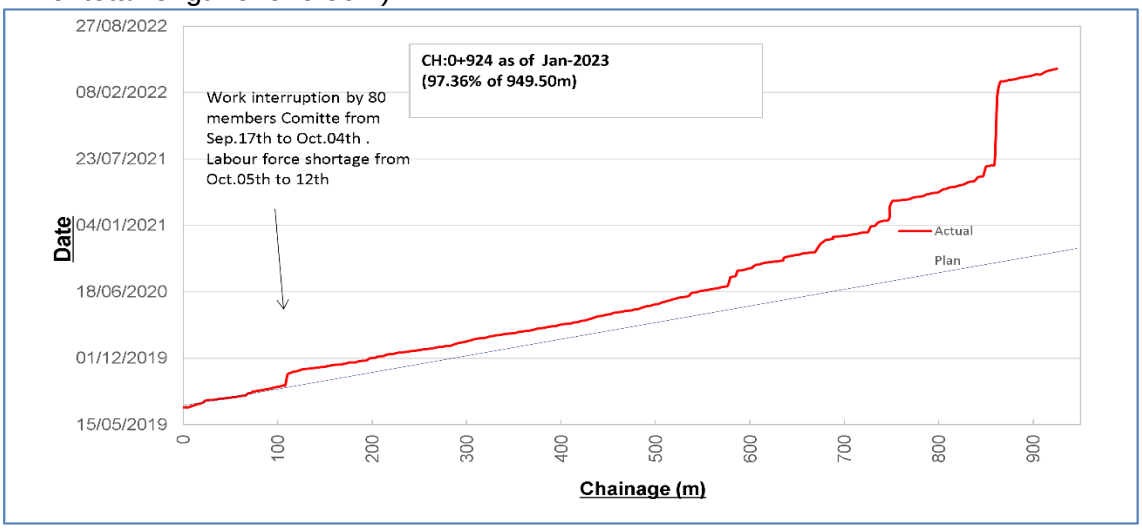


Figure: Work progress of Drain Tunnel

4.7.3.12 Connection Tunnel to Transformer Cavern

- Tunnel excavation was commenced on 23 April 2020.
- Tunnel has been completed on 11 May 2020.

4.7.3.13 Connection Tunnel to Powerhouse Cavern (From Exhaust Tunnel)

- Tunnel was commenced on 06 May 2020.
- Tunnel has been completed on 21 May 2020.

4.7.3.14 Connection Tunnel to Powerhouse Cavern (From Service Tunnel A).

- Tunnel was commenced on 25 April 2020.
- Work progress of the Connection Tunnel in October 2022: 0 m (76.50 m in total, 99.19 % of total length of 77.12 m)

4.7.3.15 Penstock Adit Tunnel No.01

- Tunnel excavation was commenced on 12 November 2020.
- Penstock Adit Tunnel No.01 was completed on 06 May 2022: (55 m in total, 100% of total length of 55.55 m).
- Lower pressure Tunnel # 1excavation was started 08/05/2022.
- Lower pressure tunnel # 1 Crown enlargement No Activity due shift of all resources to (MW-01) and Current Chainage is 0+47m January 2023)

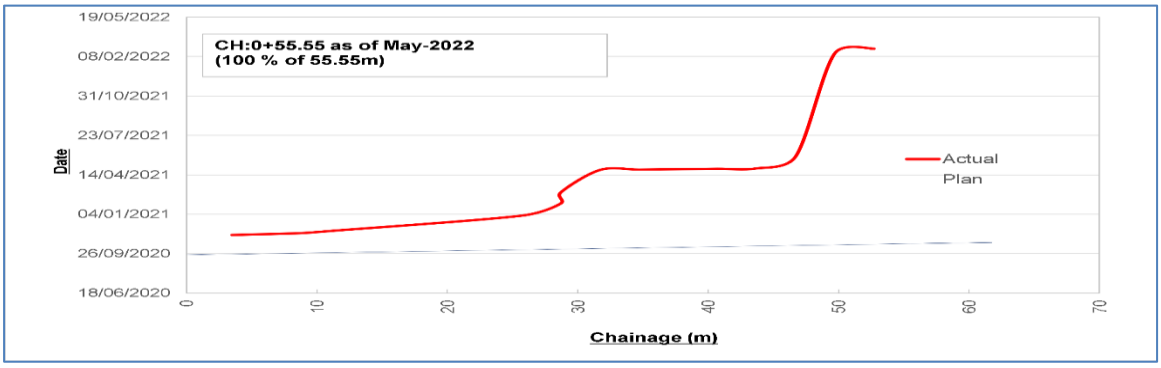


Figure: Work Progress of Penstock Adit Tunnel No.01

4.7.3.16 Penstock Adit Tunnel No.02

- Tunnel excavation was commenced on 23 August 2020.
- Work progress of the Penstock Adit Tunnel No.02 in April 2022: 0.00 m (249.24 m in total, 100 % of total length of 249.24m).
- Tunnel design length has been achieved on 7 June 2021.
- Lowerpressure#2 Tunnel excavation was commenced (21/05/2022).
- Lower pressure tunnel # 2 Invert Cleaning and 921m^3 Plug Concrete poured (Jan.2023).

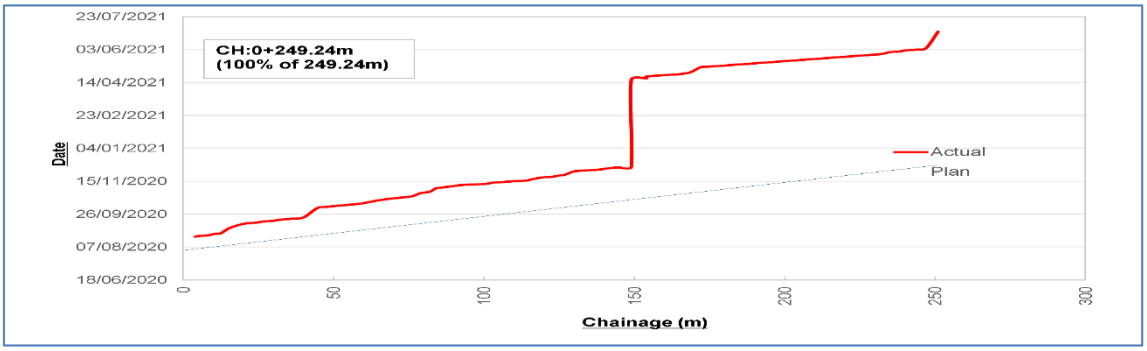


Figure: Work Progress of Penstock Adit Tunnel No.02

4.7.3.17 Permanent Access Road LD 7

- Pilot excavation and initial slope protection
- Second stage excavation and initial support works were conducted between Ch:0+325 m to 0+650.
- No Activity due to diversion of access road to LD7 for CR-9 area access. May 2022).
- Side slope protection at Ch.0+630-0+572 below El.800 was in progress (June 2022).
- No Activity in the month of Jan 2023.

4.7.3.18 Switchyard

- The Engineer issued a day work order to install a fence along the local residential area with a blind curtain prior to land handover on 25th February 2020 to proceed with the portal work, safely.
- Fence material arrived on 9th March 2020. However, the Contractor has not started fencing work yet, since the Contractor shifted all materials and works to the Adit No.3 of Diversion Tunnel (MW-01).
- Engineer asked Contractor to start the activity at Switchyard during joint inspection dated 31st of October 2021.
- Engineer asked Contractor for Join Inspection to commence the activity at Switchyard area on 2nd December 2021.
- Demolishing of local houses / with self-resettlement has been in progress (December 2021) at Switchyard Area.
- The topographic Survey for the Initial Excavation is in progress.

- A joint inspection was conducted to specify the Boundary of Switchyard Area and Relocated KKH Tunnel A. (Joint Inspection Attended WAPDA, CGGC, CCECC, and DHC Engineer).
- Preparatory work for switchyard area Labour Camp.
- Contractor (CGGC) and Engineer have conducted joint topographic survey.
- Reinforcement and formwork of the water tank are in progress.
- Removing of Dumping material by Daywork is in progress.
- Excavation of 1st, layer/Bench was started on 14 April 2022. (InProgress)
- A meeting was held regarding Boundary line of Switchyard and KKH Batching Plant.
- Switchyard 5th Bench slope Excavation and Support work of both left and Right Side at EL.970m to 957m was in progress (November 2022)
- 5th Bench slope Excavation and Support work of both left and Right Side at EL.959m to 943m was in progress (Jan 2023)

4.7.3.19 Daywork Order in the reporting month

- Daywork order for the relocation of Switchyard Main Gate #1 and sewerage pipe from the Khooshe access road area.

4.7.4 Location wise Status of MW-02

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.25 Location wise Status (MW-02)

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
1	Steel Truss (Superstructure)	30 Oct.2018 Preparation work has been started. 24 Nov.2018 CB200 on the left bank has been completed. 25 Nov.2018 Erection of temporary nose beam has been stated. 30 Dec. 2018 Main bridge CB450 was moved at the designated position. 07Jan. 2019: Move down of CB450 at the designated position. 11 Jan. 2019: CB450 has been completed. 24 Feb. 2019 CB200 on RB has been completed	1) The Contractor submitted the drawings however the essential information was lacked and rejected on 16 August 2018. 2) The Contractor submitted MS however, internal coordination is required. LEI N/A	1) The Contractor submitted required documents. However, most of the documents are insufficient. 2) Securing safety of the site erection work for steel truss superstructure. 3) Landowner at right bank frequently stop the construction work. 4) Improvement approach road for public use on right bank has been started on 24August 2019and was completed on 08 Aug.2019. LEI N/A	1) Bridge installation work will be delayed drastically because of the Contractor's poor method statement and quality management. 2) Due to poor coordination, the erection work will be delayed drastically. (Construction will have a serious impact resulting in delay(s).) LEI N/A	1) The Engineer instructed the Contractor to take contract oral procedure on 16 August 2018. 2) The Engineer reviewed his method statement carefully and suggested appropriate installation method. 3) The Engineer will dispatch experienced instructor for steel bridge erection. 4) The Engineer repeatedly conducts verbal explanation and issue the letter to fulfil contractual requirement for bridge truss installation. 5) Engineer repeatedly explains importance of safety measure to the Contractor by verbal explanation and letter. 6) Engineer repeatedly instructs to finalize method statement of truss bridge by verbal explanation and letter 7) Engineer checked the status of landowner's interruption 8) Engineer requested to change layout the route of the approach road. 9) Engineer issued daywork order to construct RB approach road on 03 July 2019 10) Engineer issued daywork order to improve RB approach road for public use on 21 Aug 19.
2	Main Access Portal	Work and Issue was completed on 22 May 2019	LEI N/A	LEI N/A	LEI N/A	LEI N/A
3	Main Access Tunnel	Started on 21 May 2019. Excavated up to 509m as of 31Dec.2019	Geological condition gradually becomes good.	1) Portal is located small fault zone of Khushi contact. 2)Tunnel geology is not so good because of Khushi contact	LEI N/A	1)Engineer instructed to shift portal location 2) Engineer instructed to install canopy tube at portal and fore-poling at cutting face. 3) Engineer carefully observed geological conditions and issue timely instruction to cope with site geology. 4) Continued above 3) in Dec.2019
4	LD7	Excavation work started on 13 July 2019. However, due to bad geology the work as suspended on 14 July 2019.	LEI N/A	1) Contractor requested to relocation houses at Khushi area (above Seo Bridge) 2) Along the LD7, excavated material during KKH construction is deposited. The deposit is much larger than expected amount.	LEI N/A	1) The Engineer frequently requested the Employer to relocate the houses. 2) The Engineer carefully observing geological condition and issue timely instruction or revised drawings to cope with actual site geology. 3) Continued about 2) in Oct.2019. 4)No Activity (May2022) 5)Slope Protection support work was in progress (June 2022).
5	Barseen	LEI N/A	LEI N/A	Handover of the remaining land is urgently required for temporary facilities.	LEI N/A	1) Coordinating with the Employer to expedite land acquisition process.

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
6	Uchar	LEI N/A	LEI N/A	Handover of the land is urgently required for temporary facilities. The Contractor requested to handover the land on 01 August 2019 to construct his batching plant	LEI N/A	1) Coordinating with the Employer to expedite land acquisition process 2) Engineer suggested the Employer to replace CCCECC'S plant with the CGGC's new plant.
7	Kass	LEI N/A LEI N/A	LEI N/A LEI N/A	Handover of the land is urgently required for temporary facilities/waste disposal. LEI N/A	LEI N/A LEI N/A	1) Coordinating with the Employer to expedite land acquisition process. 2) Demolishing existing houses is in progress 3) Excavation of access road for Camp is in progress. 4) Demolishing of Local Houses by day work order is in progress. 5) Installation of pre-Cast room for the CGGC Chinese Dormitory. (InProgress April 2022) 6) Stone Masonry Stone is in progress (Breast Wall) 7) (InProgress May 2022) 8) Installation of pre-Cast room for the CGGC Chinese Dormitory. (InProgress June 2022)
8	Khushi Labour camp	LEI N/A	The Employer made payment for temporary relocation to the landowners Land issues has been re-solved on 16 December 2019	The Labour camp area has been handed over on 15 March 2019. Demolishing houses have been completed on 20March 2019. Engineer issued daywork order to demolish houses on 03 August 2019. However, due to the slow progress of self-relocation, the demolishing work has not been completed	The Contractor will issue claim for delaying land handover for Labour camp.	1) Coordinating with the Employer to expedite land acquisition process. 2) The Engineer proposed alternative land to the Employer. Coordination with stakeholders is in progress. 3) Khushi Labour Camp is Completed but the Pakistani staff yet to be shifted. 4) Engineer reminded the Employer to enforce demolishing houses by letter. 5) Engineer issued a daywork order for demolishing houses on 08 Mach 2019 and the work has been started on 14 March 2019. 6) Engineer issued daywork order to demolish houses on 03 August 2019 7) The Engineer requested the Employer to enhance self-relocation 8) Khushi Labour Camp is Completed Jun 21
9	Khushi Parking area	LEI N/A	Land issue has been solved on middle of July 2019.	Land was handed over on 27 December 2018 The Contractor intended to use the land only for low flow season. The Contractor informed that landowner interrupted his work	LEI N/A	1) Employer suggested to use phase -2 of colony area. The Engineer is coordinating with Zonghmi Contractor. 2) Engineer informed the Employer to solve landowner issue ASAP
10	Khushi Spoil Bank and Batching Plant	Left Empty Intentionally LEI NA	The Employer coordinated with C&W to relocate his bridge girders from Batching plant area LEI NA	The Contractor proposed new layout of spoil bank and batching plant in Khushi. LEI NA	His proposal requires to shift CCECC's spoil bank and coordination with local bridge contractor in Khushi. LEI NA	1) The Engineer is conducting justification study of the proposal and request the Contractor to provide supporting document. 2) The Engineer coordinates the contractors to arrange relocation area of the girders 3) The Engineer continuously conducts coordination of 2) above. 4) The remaining part of Khushi Batching Plant site was handed over on 02 March 2020
11	Switchyard Area	LEI N/A	Self-relocation has been completed in the month of August 2021 Self-relocation along access road to vent tunnel was completed in Feb.2020	1)Contractor requested hand over of switchyard area to start vent tunnel 2) Contractor requested to hand over the whole area of the switchyard. 3) Some residents interrupted the Contractor's activity Due to lack of material and workforce the Contractor shifted the material and workers to Adit No.3 outlet.	Switchyard construction work may be critical work if the whole area will not be completed within December 2019.	1) Engineer to proposed pertain handover to start vent tunnel. 2) Engineer identified partial hand over area by several discussion with Contractor. 3) The Engineer informed the Employer the land should be handed over in the middle of June by letter on May2019. 4) The Engineer reminded the Employer in Nov.2019 5) The Engineer carefully monitors the self-relocation process in Jan.2020 6) The Engineer issued instruction to install fence and blind curtain around residential area on 27 February 2020. 7) The Engineer requested the Contractor to prioritize his work and to show resource arrangement of each workforce. 8) Engineer asked Contractor to start the activity at Switchyard during joint inspection dated 31 October 2021. 9) Engineer asked Contractor for Join Inspection to Commence the activity at switchyard area on 2nd December 2021. 10) Demolishing of Local Houses by day work order is in progress 11) Removing of Dump/spoil material by Daywork in progress (January 2022). 12) Joint Topographic Survey Is in progress for initial Excavation.

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
	LEI N/A	LEI N/A	LEI N/A	LEI N/A	LEI N/A	13) Joint Topographic Survey has been done (Feb.2022.) 14) Preoperatory work for the Local Labour Camp at Switch Area. 15) Excavation for Water Tank is in progress. 16) Reinforcement and formwork of the water tank are in progress. 17) Removing of Dumping material by Daywork is in progress 18) Excavation of 1st layer 16 April 2022. 19) Excavation of 2nd and 5th Layer was in progress. 20) Excavation of 1st Layer was in progress El.920 (June 2022) 21) Excavation of 5th layer El.975 to El.973 Drilling for blast was in progress, Excavation from El.930 to 920m was in progress (July 2022) 22) Excavation at Platform El.920m was in progress (September 2022) 23) 5th Bench Excavation above El.960 was in progress (September 2022)
12	Intake (Logro area above KKH) LEI N/A	LEI N/A LEI N/A	Payment of self-relocation has been made LEI N/A	Self-relocation has been completed partial on 12 November 2019. Logro 1 area was partially handed over on 13 December 2019. Relocation of graves in the hand over is required. The contractor is informing that Logro-1 is not handed over by letter on 17 Jan.2020 LEI N/A	Intake construction work may be critical work, if the land handover will not be completed in August 2019 LEI N/A.	1) The Engineer informed the Employer the land should be handed over in the middle of June by letter in May 2019. 2) The Engineer reminded the Employer in Sep. 2019. 3) The Engineer confirmed status with the Employer in Oct.2019 4) The Engineer suggested the Contractor to change temporary road alignment to avoid excavating graveyard 5) Engineer replied that the Contractor shall secure and protect the handed over area. 6) Engineer is instructed to relocate timber at upstream of Logro1 Area on 20 February 2020. 7) A part of the Logro 1 area (0.53 ha) was handed over on 13 March 2020. Power intake protection fence excavation was commenced on the 28th of October 2021 and still is in progress. Blasting of surface boulders and lowering surface level was in progress (May 2022.) Blasting of surface boulders and lowering surface level for Ditch was in progress (July 2022.) Surface 8)Intake Protection Fence was in progress (Ditch Excavation) Surface Excavation. (sep2022)
13	Barseen Spoil Bank	To accommodate spoil material excavated from Main work site the Engineer requested CCECC to share his spoil bank at Barseen with CGGC.	Under negotiation with CCECC	CCECC refused the Engineer's proposal	Spoil bank for main work construction will be short.	1) The Engineer is negotiating with CCECC to share the spoil bank at Barseen 2) The Engineer instructed the Contractor to use the Barseen Spoil bank on 27 November
Note: The quantities and percentages mentioned herewith are approximate physical measurement.						

4.7.5 Summary of Daily Work Records of MW-02

Summary of Daily Work Records of MW-02 is attached in Appendix-K

4.7.6 Dewatering Record

Dewatering Record during Contractor's Suspension Work- for the Month of January 2022 MW-02

Workforce			Equipment			
Type	Location	Qty	Type	Power/Capacity	Qty	Remarks
Tech. Staff	MAT 0+370	0	Water Pump	75Kw	1	
Electrician		1				
Skilled		1				
Tech.Staff		0				
Tech.Staff	MAT 0+510	0	Water Pump	7.5kw	1	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	STA To PA &STA 0+300	0	Water Pump	7.5Kw	1	
Electrician		0		75Kw	1	
Skilled		1				
Tech.Staff		0				

Tech.Staff	PH	0	Water Pump	45Kw	1	One Operator Visiting Different Faces
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	ADFT	0	Water Pump	7.5kw	1	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	MAT 0+820	0	Water Pump	75Kw	1	
Electrician		1				
Skilled		1				
Tech.Staff		0				
Tech.Staff	CR-9 PowerStation	0				
Electrician		1				
Skilled		1				
Tech.Staff		0	Generator	880KVA	1	

4.8 Dasu-LBRV-11: Resettlement Villages (Khoshe, Logro & Uchar)

4.8.1 General Contract Data of LBRV-11

General Contract Data of this package is summarized in the following Table.

Table 4.26: General Contract Data of Dasu-LBRV-11

Item	Data
Contract Number	ICB No. DASU-LBRV-11
Contract Name	Resettlement Villages (Khoshe, Logro & Uchar)
Contractor	M/s Zhongmei Engineering Group Limited
Contract Agreement Signed	Apr 20, 2017
Commencement Date	Dec 26, 2018
Contract Price	PKR 1,120,509,415 /-
Time of Completion	364 Days
Contract Completion Date	Dec 25, 2019
Extension of Time (EOT)	N/A
Revised Completion Date as per EOT	N/A
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.8.2 Progress Status of LBRV-11

The progress of DASU-LBRV-11 during this month is summarized in the following Table:

Table 4.27: Progress of LBRV-11 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-LBRV-11	49.2	211.3	97.0	-	0.00	100.0	97.0

- The actual work progress of LBRV-11 has been updated according to the revised scope.
- Gantt chart and S-Curves of Dasu-LBRV-11 shown in Figure 20 and Figure 21

4.8.3 Major Activities of LBRV-11

The following are major construction activities undertaken during this month:

(1) At Khoshe sites following activities are in progress.

- **Khoshe Site-01**
  - No activity
- **Khoshe Site-02**
  - No activity

(2) At Uchar site following activities are in progress.

- No activity.

4.8.4 Location wise Status of LBRV-11

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.28: Location wise Status (LBRV-11)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Khoshe -1	Water tank, septic tank, anaerobic tank, stone masonry retaining walls, manholes, Mosque & Khuprail tile, and backfill of retaining wall Completed slope protection completed. PAR excavation Completed .slope protection completed.pcc road completed .sewerage work completed.	No activity			
2	Khoshe -2	Link-01, Land Development and stone masonry safety wall, RCC sewerage line is completed. Retaining wall completed.	-parapet wall construction is in progress. -Access road work is in progress. -Water supply line work is in progress		Nil	

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
3	Uchar 01	Site is handed over to local people except Mosque on 05th November, 2020 Mosque grey structure and boundary wall, Sewerage line & soakage pit completed	Site hand overed		Nil	

4.9 Dasu-LBRV-12: Resettlement Villages (Barseen, Nasirabad & Kaigah/Dhaar)

4.9.1 General Contract Data of LBRV-12

General Contract Data of this package is summarized in the following Table.

Table 4.29: General Contract Data of Dasu-LBRV-12

Item	Data
Contract Number	ICB No. DASU-LBRV-12
Contract Name	Resettlement Villages (Barseen, Nasirabad & Kaigah/Dhaar)
Contractor	M/s Zhongmei Engineering Group Limited
Contract Agreement Signed	Apr 20, 2017
Commencement Date	Dec 26, 2018
Contract Price	PKR 1,016,820,466 /-
Time of Completion	364 Days
Contract Completion Date	Dec 25, 2019
Extension of Time (EOT)	N/A
Revised Completion Date as per EOT	N/A
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.9.2 Progress Status of LBRV-12

The progress of DASU-LBRV-12 during this month is summarized in the following Table:

Table 4.30: Progress of LBRV-12 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-LBRV-12	49.2	219.6	98.0	-	0.00	100.0	98.0

- The actual work progress of LBRV-12 has been updated according to the revised scope.
- Gantt chart and S-Curves of Dasu-LBRV-12 shown in Figure 22 and Figure 23

4.9.3 Major Activities of LBRV-12

The major construction activities undertaken during this month were:

(1) At Nasirabad- Site-1

- No activity

(2) At Nasirabad- Site-2

- No activity

4.9.4 Location wise Status of LBRV-12

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.31: Location wise Status (LBRV-12)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Nasirabad-1	Plot development and road completed. Septic tank completed. Stone masonry retaining wall completed. Water tank completed. Sewerage work 100% completed .mosque only door remaining. Slope protection completed, PCC road completed. Mosque completed except window glasses.	- No activity			
2	Nasirabad-2	Plots development and road completed. Stone masonry retaining wall completed. Septic tank completed .anaerobic tank completed.pcc of road completed .mosque completed except window glasses .sewerage work complerted. water supply pipes lying completed. Water supply pipes lying completed.	- No activity			

4.10 Dasu-PCI-01R: Construction of Project Colony and Infrastructure

4.10.1 General Contract Data of PCI-01R

General Contract Data of this package is summarized in the following Table.

Table 4.32: General Contract Data of Dasu-PCI-01R

Item	Data
Contract Number	ICB No. Dasu-PCI-01R
Contract Name	Construction of Project Colony and Infrastructure
Contractor	China Gansu International Corporation for Economic and Technical Corporation (CGICOP)
Contract Agreement Signed	Oct 18, 2018
Commencement Date	May 20, 2019
Contract Price	PKR 4,900,000,009 /-
Time of Completion	728 Days
Contract Completion Date	May 17, 2021
Extension of Time (EOT)	N/A

Item	Data
Revised Completion Date as per EOT	N/A
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.10.2 Progress Status of PCI-01R

The progress of DASU- PCI-01R during this month is summarized in the following Table:

Table 4.33: Progress of PCI-01R this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-PCI-01R	44.5	107.4	58.5	-	1.10	100.0	59.6

- The actual work progress of PCI-01R has been updated according to the revised scope.
- Gantt chart and S-Curves of Dasu-PCI-01 R shown in Figure 24 and Figure 25

4.10.3 Major Activities of PCI-01R

The major construction activities undertaken during this month were:

- Additional Door polishing in progress at project office building.
- Paint repairing in progress at project office.
- Roof treatment at residence cat-2C and 2D units in progress.
- Marble tile fixing for floor at cat -2D is in progress.
- Boundry wall construction at residence cat -2, cat -2A & 2B in progress.
- Kuphrail tile fixing on roof of resident CAT – 2D in progress.
- Sand filling in kitchens and bathrooms at residence cat-2C in progress.
- Ppr and plumbing work in bath rooms at residence cat-2B, 2C and 2D in progress.
- Tile fixing in bath rooms at residence cat -2C & 2D in progress.
- Electrifion work at 2Band 2C in progress.
- Plumbing and bath room fixture at cat 2B, 2C in progress.
- Marble skirting at cat 2 is in progress.
- Rectification of bath rooms of cat -1 in progress.
- Block masonry at cat 3 and cat 4 is in progress.
- Plastering at residence cat -3 and residence cat-4 in progress.
- Form work and reinforcing fixing for the mumties of cat 3 and cat 4 is in progress.
- Electrical conduiting at residence cat -3 and evidence cat -4 in progress.
- Plastering at hostel cat -2A & hostel cat -2B.
- External water supply from Indus River: excavation for the retaining wall in progress.
- Laying of water supply pipes in colony in progress.
- Conduction of pressure tests of water supply pipes in progress.
- Sluice vales construction in progress.
- Septic tank type A construction in progress.
- Construction of Manhole cap covers along P1 road in progress.
- External boundary wall: block masonry and plastering in progress.
- At S5 road excavation for the water supply is in progress.

4.10.4 Location wise Status of PCI-01R

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.34: Location wise Status (PCI-01R)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Project Colony at Chooch ang	PROJECT OFFICE Frame structure & block masonry at G.F, 1st floor, 2nd floor and mumty floor is completed. Plaster work completed. Marble, ceramic and porcelain tile work completed .Alluminuim work and glass fixing for windows completed. False ceiling completed. Internal painting completed .dome fixing completed .fan installation completed. Curtain wall completed. Lawn area paver fixing completed. Pavers at transport pool completed Doors completed. Residence cat-1	• Additional Door polishing in progress at project office building. • Paint repairing in progress at project office. • Roof treatment at residence cat-2C and 2D units in progress. • Marble tile fixing for floor at cat -2D is in progress. • Boundry wall construction at residence cat -2, cat -2A & 2B in progress. • Kuphrail tile fixing on roof of resident CAT – 2D in progress. • Sand filling in kitchens and bathrooms at residence cat-2C in progress.			

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
		Frame structure completed .block mansonry work completed.plaster work completed .marble fixing completed. Completed.porcelian tile fixing completed Ceramics tile fixing completed .stair marble completed.roof treatment completed.Doors completed. Residence cat 2. Block masonry completed and plaster work completed.plaster completed. Residence Cat-2A: Frame structure work completed. Block masonry work and plaster work completed. Completed. plaster completed Residence Cat-2B: Frame structure and block masonry work completed. plaster completed Residence Cat-2C: Frmae structure and block masonry completed. plaster completed Residence Cat-2D: Fram structure and block masonry completed. plaster completed Cat-3A: Frame structure completed except mumty Cat-3B: Frame structure completed except mumty Cat-3D: Frame structure completed except mumty Cat-4A: Frame structure completed except mumty Cat-4C: Frame structure completed except mumty P1 Road- RCC retaining Wall concrete, backfilling and stone masonry parapet wall is completed.concrete pavement completed. Hostel cat 2 A& 2B Frame structure completed .block masonry comlerted .plaster completed.	• Ppr and plumbing work in bath rooms at residence cat-2B, 2C and 2D in progress. • Tile fixing in bath rooms at residence cat -2C & 2D in progress. • Electrifion work at 2Band 2C in progress. • Plumbing and bath room fixture at cat 2B, 2C in progress. • Marble skirting at cat 2 is in progress. • Rectification of bath rooms of cat -1 in progress. • Block masonry at cat 3 and cat 4 is in progress. • Plastering at residence cat -3 and residence cat-4 in progress. • Form work and reinforcent fixing for the mumties of cat 3 and cat 4 is in progress. • Electrical conduiting at residence cat -3 and residence cat -4 in progress. • Plastering at hostel cat -2A & hostel cat -2B. • External water supply from Indus River: excavation for the retaining wall in progress. • Laying of water supply pipes in colony in progress. • Conduction of pressure tests of water supply pipes in progress. • Sluice vales construction in progress. • Septic tank type A construction in progress. • Construction of Manhole cap covers along P1 road in progress. • External boundary wall: block masonry and plastering in progress. • At S5 road excavation for the water supply is in progress.			

4.11 Dasu-RV: Resettlement of Village Couching and Construction of Spatial Museum

4.11.1 General Contract Data of RV

General Contract Data of this package is summarized in Table 4.3.

Table 4.35: General Contract Data of Dasu-RV

Item	Data
Contract Number	ICB No. Dasu-RV
Contract Name	Resettlement of Village Couching and Construction of Spatial Museum
Contractor	Khyber Grace (KGL) Pvt. Ltd.
Contract Agreement Signed	June 18, 2019
Commencement Date	June 18, 2019
Contract Price	PKR 654,815,181 /-
Time of Completion	546 Days
Contract Completion Date	Dec 15, 2020
Extension of Time (EOT)	N/A
Revised Completion Date as per EOT	N/A
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.11.2 Progress Status of RV

The progress of DASU- RV during this month is summarized in the following Table:

Table 4.36: Progress of Dasu-RV this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-RV	43.5	242.5	55.9	-	4.10	100.0	60.0

- Gantt chart and S-Curves of Dasu-RV shown in Figure 26 and Figure 27

4.11.3 Major Activities of RV

The major construction activities undertaken during this month were:

(1) Additional Choochang site 1

- Site is handed over to local people.

(2) Choochang Site 1

- Mosque structure work is in progress.
- RCC retaining wall construction in progress.
- Stone masory breast wall in progress.

(3) Kuz Choochang Site Upper & Lower Portions

- Stone masonry retaining wall in progress.

(4) Choochang Site 2 & 3

- No activity

(5) Shatial Rock Carving Site

- Work is stopped at shatial rock carving site due to local since 20-11-2020. However, followings are the summary of activities:
- Fencing Wall Concrete Columns from Points P2 to P3 is in progress.
- Installation of GI Post dia 75mm along river side is completed.
- Stone pitching of parking area is in progress.
- Super structure work above plinth beam for staff residence building in progress

4.11.4 Location wise Status of Dasu RV

The following Table provides information of section wise current status, current issues, possible further issues and action currently undertaken.

Table 4.37: Location wise Status (DASU-RV)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Shatial Rock Carving	Stone masonry of road retaining wall (P1-P2), (P2-P3), (P3-P4) is completed.	No activity.	Work stop due to social issue	-	Employer will take action on this.
2	Additional Choochang	Handed over to Local community on 5th November, 2020 Stone masonry & back filling of retaining wall at lower side of septic tank is completed	No activity.	Nil	Nil	Nil
3	Choochang-1	Excavation of brest wall for slope protection, excavation of Relocated plots, retaining wall and excavation of Mosque retaining wall is completed.	-Mosque structure work is in progress. -RCC retaining wall construction in progress. -stone masonry breast wall in progress.	Punch list work is remaining.	Nil	Nil
4	Choochang-2	Nil	Not yet started	Work stopped due to non-availability of Access road land.	Access is required	Nil
5	Choochang-3	Nil	Not yet started	Work stopped due to non-availability of Access road land.	Access is required	Nil
6	KUZ Choochang lower portion & upper portion	Excavation for plot is completed at lower Kuz Choochang	- Stone masonry retaining wall in progress.	Nil	Nil	PAR is decided and Layout drawing issued to the Contractor for the shop drawing

4.12 Dasu-EM-01: Procurement of Plant of Plant Design, Supply, Installation, Testing & Commissioning Hydro-Mechanical and Electrical Equipment.

4.12.1 General Contract Data of EM-01

General Contract Data of this package is summarized in the following Table.

Table 4.38: General Contract Data of Dasu-EM-01

Item	Data
Contract Number	ICB No. Dasu-EM-01
Contract Name	Procurement of Plant of Plant Design, Supply, Installation, Testing & Commissioning Hydro-Mechanical and Electrical Equipment.
Contractor	G.E Hydro China Co. Ltd. & Power China Zhongnan Engineering Corporation Ltd. Joint Venture (GE-PC JV)
Contract Agreement Signed	Nov 25, 2019
Commencement Date	May 20, 2020
Contract Price	PKR 25,471,001,920/- US$ 243,984,000/-
Time of Completion	1,856 Days
Contract Completion Date	Jun 19, 2025
Extension of Time (EOT)	N/A
Revised Completion Date as per EOT	N/A
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.12.2 Progress Status of EM-01

The progress of DASU- PCI-01R during this month is summarized in the following Table:

Table 4.39: Progress of EM-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-EM-01	32.4	53.2	5.9	0.45	0.60	15.2	6.5

- Gantt chart and S-Curves of Dasu-EM-01 shown in Figure 28 and Figure 29

4.12.3 Major Activities of EM-01 (Civil Works)

4.12.3.1 Preparatory Work

- Land was handed over on the 9th of April 2022.
- Excavation/Cutting of Terrace #11 was in progress (up to August 10th, 2022).
- Backfilling/filling of Terrace # 8 was completed on 4th of August 2022.
- Excavation and Leveling of Terrace #12 was Completed on 5th of August 2022.
- Access Road to Camp Area: Surface Excavation Completed.
- Excavation and leveling of Terrace #7&6, was Completed.

4.12.3.2 Construction Activities

(1) Excavation:

- Excavation and lowering level of Terrace #2, #6, #15 was in progress.

(2) Boundary Wall:

- Excavation completed: CP5 TO CP6 (Side boundary wall)
- Lean concrete completed: CP5 TO CP6 (Side boundary wall)
- Block masonry/ Plinth Beam (RCC) was in progress: CP5 TO CP6 was in progress.
- Block masonry/Plinth Beam (RCC) was in progress: CP14 TO CP15 was in progress.

(3) Retaining Walls/Stone Masonry

- Terrace # 02 Retaining wall was in progress.
- Terrace # 04 Retaining wall was in progress.
- Terrace # 07 Retaining wall was in progress.
- Terrace # 10 Retaining wall was in progress.
- Terrace # 12 Retaining was in Progress.

(4) Backfilling by layer Including Cut and Fill Quantities. (Approx)

Location	Total Cut Volume M³	Total Fill Volume M³	Total Cut Volume M³ Jan 2023	Total Fill Volume M³ Jan 2023	Cut Volume M³ in Jan 2023	Fill Volume M³ In Jan 2023	Cut (%)	Fill (%)
Kass Camp/ Civil Work	89,441.9	58,176	68503.05	57580	5000	410	76.5	99.6

There is a 76.8% difference in the current volumetric cut and fill. (76.5 / 99.6)

(5) FDT Tests.

FDT TEST RESULTS			
S.NO.	LOCATION	DATE	RESULT %
Nil	Nil	Nil	Nil

4.12.4 Equipment Detail

S/No.	Description	Type	Quantity
1	Excavator Volvo	Tyre	01
2	Excavator Hitachi	Chain	02
4	Dozer	Chain	01
5	Roller (small)	Tyre	01
6	Tractor	Tyre	02
7	Dumper	Vehicle	01
8	Water Bowser	Tyre	02
9	Concrete Mixer	Automated	02
10	Pick up	Suzuki	02
11	Car	Corolla	01
12	Total Station	Nikon	01

4.12.5 Workforce

B	Manpower	
1	Site Manager	01
2	Civil Engineer	03
3	Site Supervisor	01
4	Surveyor	01
5	Survey Assistant	01
6	Excavator Operator	04
7	Excavator Operator Helper	03
8	Roller Operator	01
9	Dozer Operator	01
10	Driver	04
11	Skilled Labor	15
12	Unskilled Labor	25
13	Watchman	04

5 PAYMENT AND CLAIM STATUS

5.1 DHC Payment Status

Status of DHC Invoices submitted and payment received from WAPDA up to this month is given table below:

Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,983.85	2,726,702,454				
Sr. No.	Inv. No.	Description	Submitted To Wapda				Payments Received From WAPDA *			
			Date	JPY	EURO	PKR	Date	JPY	EURO	PKR
1	Mobilization Advance			0	0.00	0	10.04.2015	284,715,484	777,495	167,799,158
2	001	Aug-14	06.03.2015	8,405,708	150.00	16,562,851		0	0	0
3	002	Sep-14	06.03.2015	11,922,037	150.00	18,508,898		0	0	0
4	003	Oct-14	06.03.2015	22,629,091	150.00	18,580,716		0	0	0
5	004	Nov-14	16.03.2015	27,598,424	29,849.00	27,713,464		0	0	0
6	005	Dec-14	18.03.2015	25,234,974	28,994.00	20,594,485		0	0	0
7	006	Jan-15	24.03.2015	12,711,871	16,375.00	29,801,646		0	0	0
8	007	Feb-15	30.03.2015	12,841,559	32,919.00	19,037,857		0	0	0
9	008	Mar-15	19.06.2015	21,055,679	44,401.00	29,446,228		0	0	0
10	009	Apr-15	19.06.2015	26,370,102	22,116.00	25,287,607		0	0	0
11	010	May-15	19.06.2015	19,567,111	45,421.00	28,157,418		0	0	0
12	011	Jun-15	27.07.2015	18,599,162	57,684.00	29,568,830		0	0	0
13	012	Jul-15	20.08.2015	11,939,864	39,018.00	28,833,478		0	0	0
14	013	Aug-15	23.09.2015	11,447,313	66,020.00	34,179,554		0	0	0
15	014	Sep-15	20.10.2015	15,648,775	61,828.00	29,842,901		0	0	0
16	015	Oct-15	23.11.2015	18,420,095	57,606.82	53,248,321	29.02.2016	0	0	5,751,295
17	016	Nov-15	21.12.2015	23,367,864	53,588.90	29,564,237	03.02.2016	0	0	9,211,398
18	017	Dec-15	25.01.2016	18,530,461	43,902.00	29,012,517	29.02.2016	0	0	9,475,900
19	018	Jan-16	26.02.2016	23,422,910	59,880.00	46,873,375	28.03.2016	0	0	13,388,161
20	018-R**	From Aug 2014 to Dec 2015	24.03.2016	0	0.00	40,964,475	12.04.2016	0	0	15,759,401
21	019	Feb-16	31.03.2016	20,078,687	48,599.00	28,361,112	18.05.2016	0	0	10,076,078
22	019-R***	From Aug 2014 to Jan 2016	07.04.2016	0	0.00	12,023,529	18.05.2016	0	0	1,481,194
23	020	Mar-16	22.04.2016 Resubmitted on 30.06.2016	23,432,735	58,393.00	25,971,654	19.07.2016	0	0	12,581,502
24	021	Apr-16	20.05.2016 Resubmitted on 28.07.2016	18,431,384	58,223.00	24,185,560	08.09.2016	0	0	14,436,817
25	022	May-16	20.06.2016 & PKR resubmitted on 22/09/2016	17,749,931	43,655.00	30,528,705	07.10.2016 & JPY & EURO 27.02.2017	7,057,385	0	19,625,266
26	Final Supplementary Invoice	For the month of July 2013, June 2014 & July 2014 Assignment-A	29.06.2016	3,818,324	2,741.93		JPY 27.12.2016 & EURO 03.01.2017	2,432,327	1,717	
27	Final Supplementary Invoice	From Sep 2011 to July 2014 Assignment-A	11.07.2016			47,341,439	23.11.2016	0	0	14,855,888
28	023	Jun-16	26.07.2016 & PKR submitted on 09/09/2016	19,139,749	36,432.57	27,473,100	11.11.2016 & JPY & EURO 27.02.2017	14,345,806	0	17,670,947
29	Arrears of Escalation	From Oct 2015 to Apr 2016	28.07.2016	0	0.00	1,355,438	07.10.2016	0	0	413,116
30	024	Jul-16	24.08.2016 & PKR submitted on 31/10/2016	20,944,715	61,066.95	24,665,984	30.12.2016 & JPY & EURO 27.02.2017	16,193,143		15,846,067
31	025	Aug-16	28.09.2016 & PKR Submitted on 19/12/2016	28,898,700	59,162.13	21,740,830	06.03.2017 & JPY & EURO 27.02.2017	22,370,210	15,264	18,538,901
32	026	Sep-16	25.10.2016 & PKR Submitted on 12.01.2017	20,457,552	33,105.11	32,972,027	06.03.2017 & JPY & EURO 27.02.2017	15,933,806	25,748	29,723,302
33	027	Oct-16	06.12.2016 & PKR 14.02.2017	14,676,229	56,107.14	22,391,491	JPY & EURO 27.02.2017 & PKR 10.04.2017	11,298,749	44,624	17,951,057
34	028	Nov-16	12.01.2017 & PKR Submitted on 22.03.2017	17,010,852	52,348.86	22,566,949	JPY 03.04.2017 & EURO 20.04.2017 & PKR 24.04.2017	13,561,713	41,752	17,202,754
35	001S to 005S	From Aug 2014 to Dec 2014	17.01.2017	35,021,686	16,189.72	50,871,653	19.06.2017 & Remuneration JPY 19.01.2018	9,296,144		25,721,225
36	006S to 011S	From Jan 2015 to Jun 2015	23.01.2017 & JPY & EURO on 24.01.2017	36,756,702	69,747.67	85,353,118	PKR Remuneration 19.06.2017 & PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & EURO Remuneration 29.01.2018	6,660,958	10,515	52,016,281
37	PST	Claimed PST Withheld from Assignment-B Invoices from Aug 2014 to Jul 2016	03.02.2017			61,313,933	17.01.2017 & 13.02.2017			61,313,933
38	012S to 017S	From Jul 2015 to Dec 2015	JPY & EURO 03.02.2017 & PKR 06.02.2017	36,713,717	83,680.21	93,151,635	PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & PKR Remuneration 15.11.2018	10,508,656		54,091,709
39	PST	Claimed PST withheld from Assignment-A Invoices	03.02.2017			5,399,488	PKR Remuneration & Reimbursable 04.02.2019			4,927,884
40	029	Dec-16	09.02.2017 & PKR 18.04.2017	9,687,563	45,911.56	24,460,842	JPY 03.04.2017 & EURO 20.04.2017 & PKR 17.05.2017	7,767,335	37,719	17,535,952
41	018S to 026S	From Jan 2016 to Sept 2016	22.02.2017 & PKR 13.04.2017	53,959,508	118,419.93	72,655,226	Jan 2016 & Feb 2016 PKR Reimbursable 19.10.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 15.11.2018 & PKR Remuneration (Arrears of Escalation) 15.11.2018 & PKR Remuneration 11.04.2019	3,249,301		21,244,401
42	030	Jan-17	13.03.2017 & PKR 09.06.2017	11,265,956	43,683.70	27,832,378	JPY 10.04.2017 & EURO 24.04.2017 & PKR 17.07.2017	8,584,183	35,142	23,123,731
43	031	Feb-17	28.04.2017 & PKR 29.06.2017	11,051,050	54,667.29	24,625,784	07.06.2017 & 08.06.2017 & PKR Remuneration 27.07.2017 & PKR Reimbursable 06.09.2017	8,685,804	43,511	18,200,721
44		Topographical Survey & Geological Investigations &Tax on Reimbursable Assignment-A	03.05.2017			13,642,099				
45	032	Mar-17	11.05.2017 & PKR 19.07.2017	15,970,258	51,374.51	25,592,856	07.06.2017 & 08.06.2017 & PKR Remuneration 06.09.2017 & PKR Reimbursable 28.11.2017	12,524,914	41,337	18,351,490
46	033	Apr-17	01.06.2017 & PKR 23.08.2017	12,781,338	26,299.29	26,070,330	JPY 17.08.2017 & EURO 28.08.2017 & PKR Remuneration 19.10.2017 & PKR Reimbursable 21.12.2017	10,404,229	21,503	18,834,526
47	034	May-17	EURO 23.06.2017 & JPY 29.06.2017 & PKR Remuneration 14.09.2017 & PKR Reimbursable 18.09.2017	39,936,930	55,714.50	27,133,610	Remuneration JPY 17.08.2017 & EURO 28.08.2017 & Remuneration PKR 14.11.2017 & Reimbursable PKR 28.11.2017 & Reimbursable JPY 19.01.2018 & EURO Reimbursable 29.01.2018	32,079,999	44,725	18,701,410
48	035	Jun-17	11.08.2017 & PKR 09.10.2017	18,594,227	48,853.54	28,277,373	PKR Remuneration 21.12.2017 & PKR Reimbursable 24.01.2018 & JPY & EURO 07.03.2018	14,869,448	39,543	17,561,796
49	036	Jul-17	13.09.2017 & PKR 06.11.2017	18,438,264	37,552.83	25,611,161	PKR Remuneration 21.12.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 24.01.2018 & EURO Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018	13,544,246	30,480	15,695,688

Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,983.85	2,726,702,454				
50	037	Aug-17	05.10.2017 & PKR Remuneration 06.12.2017 & PKR Reimbursable 07.12.2017	22,283,721	39,071.29	26,800,350	Remuneration JPY 19.01.2018 & PKR Remuneration 24.01.2018 & EURO Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018.	13,524,337	31,475	13,785,805
51	038	Sep-17	30.11.2017 & PKR 11.12.2017	25,275,450	55,319.25	36,272,828	PKR Remuneration 24.01.2018 & JPY Remuneration 02.02.2018 & EURO Remuneration 06.02.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018.	16,737,519	39,192	29,029,316
52	039	Oct-17	18.12.2017 & PKR Remuneration 12.01.2018 & PKR Reimbursable 26.01.2018	30,965,060	48,541.16	24,755,246	JPY & EURO 07.03.2018 & PKR 07.03.2018	21,993,304	22,394	15,289,782
53	040	Nov-17	28.12.2017 & PKR Remuneration 02.02.2018 & Reimbursable 07.02.2018	24,890,298	41,737.97	24,452,117	JPY & EURO 07.03.2018 & PKR 27.03.2018	17,614,630	21,997	15,454,332
54	041	Dec-17	26.01.2018 & PKR Remuneration 06.03.2018 & Reimbursable 30.03.2018	26,066,347	76,887.16	40,807,244	JPY & EURO 07.03.2018 & PKR 25.05.2018	16,523,377	39,755	32,281,427
55	042	Jan-18	23.02.2018 & PKR Remuneration 13.03.2018 & Reimbursable 23.04.2018	24,236,376	63,217.93	58,859,377	JPY 26.03.2018 & EURO 27.03.2018 & PKR Remuneration 25.05.2018 & PKR Reimbursable 21.06.2018	14,993,551	35,810	17,564,044
56	043	Feb-18	30.03.2018 & PKR Remuneration 19.04.2018 & Reimbursable 21.05.2018	28,152,289	54,667.29	28,490,928	JPY 23.05.2018 & EURO 24.05.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 18.07.2018	19,670,980	43,511	17,650,847
57	044	Mar-18	PKR Remuneration 25.04.2018 & JPY & EURO 30.04.2018 & PKR Reimbursable 30.05.2018	36,295,537	52,761.29	29,253,565	JPY 19.06.2018 & EURO 20.06.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 13.08.2018	25,775,591	42,328	16,065,238
58	045	Apr-18	PKR Remuneration 01.06.2018 & JPY & EURO 14.06.2018 & PKR Reimbursable 16.07.2018	32,505,357	52,708.81	35,840,584	PKR Remuneration 18.07.2018 & JPY 30.07.2018 & EURO 31.07.2018 & PKR Reimbursable 10.09.2018	21,316,744	42,276	21,301,930
59	025S to 029S	From Aug 2016 to Dec 2016 Supplementary	PKR Reimbursable 22.06.2018			1,275,354	PKR Reimbursable 15.11.2018			1,151,599
60	030S to 035S	From Jan 2017 to Jun 2017 Supplementary	PKR Reimbursable 22.06.2018			22,576,668	PKR Reimbursable 20.02.2019			20,675,144
61	036S to 041S	From Jul 2017 to Dec 2017 Supplementary	PKR Reimbursable 22.06.2018			11,466,211	PKR Reimbursable 20.02.2019			11,043,683
62	046	May-18	PKR Remuneration 25.06.2018 & JPY & EURO 06.07.2018 & PKR Reimbursable 27.07.2018	32,008,847	46,592.45	30,724,047	PKR Remuneration & Reimbursable 10.09.2018 & JPY 13.09.2018 & EURO 14.09.2018	21,610,245	37,674	12,938,115
63	047	Jun-18	JPY & EURO 06.08.2018 & PKR Remuneration 07.08.2018 & PKR Reimbursable 31.08.2018	35,266,862	55,283.25	28,514,236	JPY & EURO 26.09.2018 & PKR Remuneration & Reimbursable 16.10.2018	25,217,683	44,127	10,704,248
64	048	Jul-18	PKR Remuneration 30.08.2018 & JPY & EURO 05.09.2018 & PKR Reimbursable 09.10.2018	32,147,418	45,863.63	31,146,584	PKR Remuneration 16.10.2018 & PKR Reimbursable 11.12.2018 & JPY & EURO 17.12.2018	21,964,368	37,099	10,408,872
65	049	Aug-18	JPY & EURO 25.09.2018 & PKR Remuneration 11.10.2018 & PKR Reimbursable 07.11.2018	25,432,383	39,013.50	29,369,478	PKR Remuneration 15.11.2018 & JPY & EURO 17.12.2018 & PKR Reimbursable 18.01.2019	17,212,308	31,374	11,224,532
66	050	Sep-18	JPY & EURO 08.11.2018 & PKR Remuneration 08.11.2018 & PKR Reimbursable 11.12.2018	39,850,521	53,658.43	28,933,129	PKR Remuneration 11.12.2018 & JPY & EURO 17.01.2019 & PKR Reimbursable 18.01.2019	30,044,462	43,062	10,047,290
67	025S to 031S	From Oct 2016 to Apr 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY 13.12.2018 & JPY resubmitted on 24.04.2019	1,116,215		8,259,285	PKR Remuneration 11.04.2019 & JPY 17.07.2019	802,442		6,175,779
68	034S to 041S	From May 2017 to Dec 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY & EURO 13.12.2018 & JPY & EURO resubmitted on 25.04.2019	22,029,176	68,383.85	23,991,175	PKR Remuneration 11.12.2018 & JPY & EURO 17.07.2019	17,327,640	55,071	18,445,696
69	040S to 048S	From Nov 2017 to Jul 2018 Supplementary	PKR Remuneration & Reimbursable 20.11.2018 & JPY & EURO 13.12.2018 & PKR resubmitted on 28.03.2019. JPY & EURO resubmitted on 07.05.2019.	25,644,843	18,643.45	104,355,765	PKR Reimbursable 29.05.2019 & PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019	19,999,819	15,119	84,652,061
70	Arrears of Escalation	From Oct 2017 to May 2018	PKR Remuneration 23.11.2018			4,035,216	PKR Arrears of Escalation 11.04.2019			1,271,759
71	051	Oct-18	JPY & EURO 04.12.2018 & PKR Remuneration 19.12.2018 & Reimbursable 31.01.2019	40,454,707	75,582.07	31,586,089	JPY & EURO 17.01.2019 & PKR Remuneration 20.02.2019 & PKR Reimbursable 14.03.2019	28,889,800	61,067	10,333,221
72	052	Nov-18	JPY & EURO 01.01.2019 & PKR Remuneration 02.01.2019 & Reimbursable 08.02.2019	41,317,140	85,200.25	29,612,815	PKR Remuneration 20.02.2019 & JPY 28.02.2019 & EURO 01.03.2019 & PKR Reimbursable 14.03.2019	29,887,757	49,817	9,027,308
73	Arrears of Escalation	Oct-18	PKR Remuneration 11.01.2019			739,718	PKR Arrears of Escalation 14.05.2019			154,889
74	053	Dec-18	PKR Remuneration 15.01.2019 JPY & EURO 11.02.2019 & PKR Reimbursable 26.03.2019	31,942,910	101,848.50	32,553,105	JPY 26.03.2019 & EURO 27.03.2019 & PKR Remuneration 11.04.2019 & PKR Reimbursable 14.05.2019.	22,385,178	59,806	20,237,682
75	054	Jan-19	PKR Remuneration 19.02.2019 JPY & EURO 26.02.2019 & PKR Reimbursable 10.05.2019	21,550,814	85,535.58	34,254,443	PKR Remuneration 14.03.2019 & JPY 26.03.2019 & EURO 27.03.2019 & PKR Reimbursable 25.07.2019.	17,201,786	53,092	21,134,328
76	055	Feb-19	PKR Remuneration 04.04.2019 & JPY & EURO 09.04.2019 & PKR Reimbursable 22.05.2019	33,275,362	109,184.58	30,115,175	JPY 10.05.2019 & EURO 13.05.2019 & PKR Remuneration 14.05.2019 & PKR Reimbursable 25.07.2019.	26,050,980	86,872	26,465,134
77	049S to 052S & 054S	From Aug 2018 to Nov 2018 & Jan 2019 Supplementary	PKR Remuneration 11.04.2019 PKR & Reimbursable 15.04.2019 & JPY & EURO 29.05.2019.	22,845,819	50,545.90	95,850,188	PKR Remuneration 29.05.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	18,077,618	40,589	82,621,973
78	056	Mar-19	PKR Remuneration 30.04.2019 & JPY & EURO 15.05.2019 & PKR Reimbursable 27.06.2019	28,469,007	110,926.51	32,011,879	PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	21,481,129	88,781	28,304,851
79	057	Apr-19	PKR Remuneration 24.05.2019 & JPY & EURO 17.06.2019 & PKR Reimbursable 12.07.2019	32,083,700	100,912.16	45,226,298	JPY & EURO 19.07.2019 & PKR Remuneration 05.08.2019 & PKR Reimbursable 18.09.2019	25,621,145	80,992	35,201,624
80	058	May-19	PKR Remuneration 29.06.2019 & JPY & EURO 09.07.2019 & PKR Reimbursable 19.07.2019	48,913,348	104,280.03	40,084,902	PKR Remuneration 05.08.2019 & JPY & EURO 07.08.2019 & PKR Reimbursable 31.10.2019	38,792,523	84,037	36,049,192
81	059	Jun-19	PKR Remuneration 26.07.2019 & PKR Reimbursable 05.08.2019 & JPY & EURO 11.09.2019	41,230,758	107,591.61	35,881,227	PKR Remuneration 18.09.2019 & PKR Reimbursable 31.10.2019 & JPY & EURO 21.11.2019	31,909,521	76,287	31,366,838
82	Arrears of Escalation	Oct-2018 Supplementary	PKR Remuneration 19.08.2019			538,449	PKR Remuneration 31.10.2019			414,169
83	060	Jul-19	PKR Remuneration 06.09.2019 & JPY & EURO 17.09.2019 & PKR Reimbursable 25.09.2019	41,502,491	140,944.13	50,840,724	PKR Remuneration 31.10.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 03.12.2019	31,563,206	90,943	43,128,562
84	053S	Dec-2018 Supplementary	PKR Remuneration 30.09.2019			11,476,907	PKR Remuneration 03.12.2019			8,799,116
85	061	Aug-19	PKR Remuneration 30.09.2019 & JPY & EURO 23.10.2019 & PKR Reimbursable 26.10.2019	37,231,310	89,562.05	42,727,013	PKR Remuneration 03.12.2019 & JPY & EURO Remuneration 09.01.2020 & PKR Reimbursable 07.02.2020 & JPY & EURO Reimbursable 28.02.2020	29,041,127	73,021	35,430,131
86	062	Sep-19	PKR Remuneration 13.11.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 29.11.2019	38,733,736	129,812.23	43,387,882	PKR Remuneration 14.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	30,883,076	103,716	34,600,721

Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,983.85	2,726,702,454				
87	063	Oct-19	PKR Remuneration 29.11.2019 & JPY & EURO 03.12.2019 & PKR Reimbursable 31.12.2019	31,086,208	135,856.32	50,181,714	PKR Remuneration 24.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	24,793,910	108,677	41,393,909
88	054S to 060S	From Jan 2019 to Jul 2019 Supplementary	JPY & EURO 09.12.2019	5,092,138	60,973.69		Reimbursable JPY 28.04.2020 & Reimbursable EURO 30.04.2020 & JPY & EURO Remuneration 15.05.2020	3,353,531	49,458	
89	064	Nov-19	PKR Remuneration 20.12.2019 & JPY & EURO 07.01.2020 & PKR Reimbursable 10.01.2020	45,807,870	115,221.62	43,571,960	JPY & EURO 28.02.2020 & PKR Remuneration 18.03.2020 & PKR Reimbursable 04.05.2020	36,488,385	94,006	34,852,280
90	065	Dec-19	PKR Remuneration 23.01.2020 & JPY & EURO 29.01.2020 & PKR Reimbursable 10.03.2020	40,957,503	141,050.29	58,976,694	JPY & EURO 11.03.2020 & PKR Remuneration 08.04.2020 & PKR Reimbursable 10.06.2020	32,462,083	113,144	50,261,213
91	Arrears of Escalation	From Oct 2019 to Nov 2019	PKR Remuneration 31.01.2020			5,266,917	PKR Arrears of Escalation 14.04.2020			4,044,354
92	066	Jan-20	PKR Remuneration 24.02.2020 & JPY & EURO 09.03.2020 & PKR Reimbursable 27.04.2020	35,922,505	146,377.95	52,379,808	PKR Remuneration 02.04.2020 & JPY & EURO 15.05.2020 & PKR Reimbursable 06.07.2020	28,616,260	117,384	46,172,804
93	067	Feb-20	PKR Remuneration 18.03.2020 & JPY & EURO 07.04.2020 & PKR Reimbursable 09.06.2020	38,743,766	158,283.84	50,877,843	PKR Remuneration 04.05.2020 & JPY & EURO 25.06.2020 & PKR Reimbursable 03.08.2020	28,986,611	126,019	44,233,452
94	068	Mar-20	PKR Remuneration 28.04.2020 & JPY & EURO 05.05.2020 & PKR Reimbursable 15.07.2020	45,523,859	160,794.84	56,498,786	JPY & EURO 02.07.2020 & PKR Remuneration 03.08.2020 & PKR Reimbursable 02.11.2020	33,489,540	123,560	49,674,390
95	069	Apr-20	PKR Remuneration 22.06.2020 & JPY & EURO 07.07.2020 & PKR Reimbursable 25.08.2020	36,087,897	165,009.75	52,033,891	PKR Remuneration 03.08.2020 JPY 07.08.2020 & EURO 10.08.2020 & PKR Reimbursable 02.11.2020	26,950,173	131,521	45,136,180
96	070	May-20	PKR Remuneration 23.06.2020 & JPY & EURO 08.07.2020 & PKR Reimbursable 10.09.2020	29,407,988	165,663.69	51,755,642	PKR Remuneration 17.09.2020 & JPY 28.09.2020 & EURO 25.09.2020 & PKR Reimbursable 28.10.2020	21,116,812	89,725	43,199,160
97	071	Jun-20	PKR Remuneration 19.08.2020 & JPY & EURO 21.08.2020 & PKR Reimbursable 29.09.2020 resubmitted on 15.12.2020	32,122,120	165,189.75	49,538,690	PKR Remuneration 02.11.2020 & JPY & EURO 02.12.2020 & PKR Reimbursable 20.01.2021	25,263,288	131,721	40,122,417
98	072	Jul-20	PKR Remuneration 31.08.2020 & JPY & EURO 08.09.2020 & PKR Reimbursable 23.10.2020 resubmitted on 15.12.2020	32,771,320	103,073.49	56,796,363	PKR Remuneration 02.11.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 24.02.2021	25,931,960	84,063	44,997,291
99	073	Aug-20	PKR Remuneration 25.09.2020 & JPY & EURO 30.09.2020 & PKR Reimbursable 31.12.2020	34,054,161	121,793.46	55,615,127	PKR Remuneration 28.10.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 08.03.2021	26,896,979	98,976	46,537,554
100	074	Sep-20	PKR Remuneration 19.10.2020 & JPY & EURO 21.10.2020 & PKR Reimbursable 08.02.2021 resubmitted on 25.03.2021	38,528,252	165,009.75	56,635,346	JPY & EURO 17.12.2020 & PKR Remuneration 21.12.2020 & PKR Reimbursable 03.05.2021	30,758,356	131,541	49,292,375
101	061S to 070S	From Aug 2019 to May 2020 Supplementary	JPY & EURO 28.10.2020	11,647,508	59,527.03		JPY 19.02.2021 & EURO 17.02.2021	9,190,079	48,749	
102	075	Oct-20	PKR Remuneration 13.11.2020 & JPY 27.11.2020 & EURO 19.11.2020 & PKR Reimbursable 19.03.2021	45,952,237	160,742.41	53,295,719	PKR Remuneration 07.01.2021 & JPY & EURO 12.01.2021 & PKR Reimbursable 20.05.2021	34,606,197	128,533	46,509,885
103	076	Nov-20	PKR Remuneration 21.12.2020 & JPY & EURO 28.12.2020 & PKR Reimbursable 13.04.2021	55,457,397	117,756.28	59,839,602	PKR Remuneration 20.01.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 31.05.2021	40,049,051	97,432	53,069,623
104	01S to 05S & 08S	From Aug 2014 to Dec 2014 & Mar 2015 177-M Supplementary	PKR Reimbursable 04.01.2021			1,735,825				
105	077	Dec-20	PKR Remuneration 20.01.2021 & JPY & EURO 04.02.2021 & PKR Reimbursable 15.04.2021	53,686,285	134,364.15	61,213,773	PKR Remuneration 24.02.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 30.06.2021	38,693,932	109,080	53,872,497
106	Arrears of Escalation	From Oct 2020 to Nov 2020	PKR Remuneration 08.02.2021			4,367,028	PKR Arrears of Escalation 29.03.2021			3,357,254
107	059S to 065S	From Jun 2019 to Dec 2019 Supplementary	PKR Remuneration 26.02.2021			13,201,527	PKR Remuneration 26.04.2021			10,306,734
108	066S to 074S	From Jan 2020 to Sep 2020 Supplementary	PKR Remuneration 02.03.2021			12,219,301	PKR Remuneration 26.04.2021			9,533,351
109	I.Tax-REIMB-001	From Aug 2014 to Jul 2016	PKR Reimbursable 06.04.2021			7,677,758				
110	078	Jan-21	PKR Remuneration 26.07.2021 & JPY & EURO 27.07.2021 & PKR Reimbursable 27.07.2021	48,993,921	156,845.57	61,580,382	PKR Remuneration 12.08.2021 & PKR Reimbursable 10.09.2021 & JPY & EURO 13.09.2021	39,022,205	126,910	53,961,613
111	079	Feb-21	PKR Remuneration 28.07.2021 & PKR Reimbursable 28.07.2021 & JPY & EURO 02.08.2021	39,842,807	156,803.46	61,119,247	PKR Remuneration 10.09.2021 & PKR Reimbursable 24.09.2021 & JPY & EURO 08.10.2021	31,550,549	126,898	53,919,977
112	080	Mar-21	PKR Remuneration 02.08.2021 & JPY & EURO 02.08.2021 & PKR Reimbursable 02.08.2021	46,933,791	117,734.60	60,828,467	PKR Remuneration 24.09.2021 & JPY & EURO 08.10.2021 & PKR Reimbursable 15.10.2021	37,273,926	94,772	53,809,689
113	081	Apr-21	PKR Remuneration 02.08.2021 & JPY & EURO 03.08.2021 & PKR Reimbursable 02.08.2021	50,360,981	135,755.23	61,848,229	JPY & EURO 08.10.2021 & PKR Remuneration 15.10.2021 & PKR Reimbursable 02.11.2021	40,499,764	109,590	54,878,121
114	082	May-21	PKR Remuneration 06.08.2021 & JPY & EURO 06.08.2021 & PKR Reimbursable 06.08.2021	38,398,709	117,955.04	66,602,680	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 26.11.2021	30,708,564	95,753	59,499,966
115	083	Jun-21	PKR Remuneration 09.08.2021 & JPY & EURO 10.08.2021 & PKR Reimbursable 07.09.2021	41,331,568	125,544.91	73,154,118	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 31.12.2021	31,899,578	103,265	66,199,405
116	084	Jul-21	JPY & EURO 02.09.2021 & PKR Remuneration 07.09.2021 & PKR Reimbursable 27.09.2021	37,031,624	174,114.00	62,486,066	JPY & EURO 29.10.2021 & PKR Remuneration 26.11.2021 & PKR Reimbursable 11.01.2022	29,628,387	141,530	55,495,681
117	085	Aug-21	PKR Remuneration 22.09.2021 & PKR Reimbursable 22.10.2021 & JPY & EURO 25.10.2021	43,337,513	162,190.11	65,776,983	PKR Remuneration 26.11.2021 & JPY & EURO 09.12.2021 & PKR Reimbursable 07.02.2022	35,807,673	144,520	58,797,008
118	086	Sep-21	PKR Remuneration 29.10.2021 & JPY & EURO 03.11.2021 & PKR Reimbursable 24.12.2021	32,714,524	181,227.84	68,477,340	JPY & EURO 15.12.2021 & PKR Remuneration 31.12.2021 & PKR Reimbursable 03.03.2022	27,949,152	161,641	65,011,885
119	DHC-DD-001	Double Deduction of Audit Recovery	PKR 18.11.2021			471,604				
120	072S to 077S	From July 2020 to Dec 2020 Supplementary	JPY 29.11.2021	13,829,217			JPY 15.02.2022	11,645,309		
121	078S to 084S	From Jan 2021 to July 2021 Supplementary	JPY & EURO 02.12.2021	1,767,800	3,475.15		EURO 14.02.2022 JPY 15.02.2022	1,255,200	2,782	
122	087	Oct-21	PKR Remuneration 02.12.2021 & JPY & EURO 08.12.2021 & PKR Reimbursable 03.01.2022	41,115,860	197,497.85	66,395,695	PKR Remuneration 11.01.2022 & JPY & EURO 19.01.2022 & PKR Reimbursable 24.03.2022	32,512,800	174,017	62,947,262
123	088	Nov-21	PKR Remuneration 31.12.2021 & JPY & EURO 05.01.2022 & PKR Reimbursable 18.01.2022	59,389,109	203,783.52	62,723,287	PKR Remuneration 07.02.2022 & EURO 14.02.2022 & JPY 15.02.2022 & PKR Reimbursable 08.04.2022	47,145,767	183,360	58,989,159
124	089	Dec-21	PKR Remuneration 25.01.2022 & JPY & EURO 11.02.2022 & PKR Reimbursable 14.03.2022	56,775,167	180,336.31	68,206,392	PKR Remuneration 03.03.2022 & JPY & EURO 14.04.2022 & PKR Reimbursable 23.04.2022	47,869,445	140,687	63,350,345
125	Arrears of Escalation	From Aug 2014 to Sep 2021	JPY & EURO 18.02.2022	86,181,370	366,027.56		JPY 10.05.2022 & EURO 09.05.2022	74,889,089	322,244	
126	090	Jan-22	PKR Remuneration 02.03.2022 & JPY & EURO 04.03.2022 & PKR Reimbursable 29.03.2022	47,988,271	231,246.06	78,338,629	PKR Remuneration 24.03.2022 & JPY & EURO 09.05.2022 & PKR Reimbursable 10.06.2022	35,849,929	183,999	74,119,379

Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,983.85	2,726,702,454				
127	091	Feb-22	PKR Remuneration 18.03.2022 & JPY & EURO 04.04.2022 & PKR Reimbursable 28.04.2022	49,351,025	238,651.09	72,344,440	PKR Remuneration 23.04.2022 & JPY & EURO 01.06.2022 & PKR Reimbursable 28.07.2022	39,917,960	201,572	65,529,896
128	Arrears of Escalation	From Oct 2021 to Dec 2021	PKR Remuneration 30.03.2022			7,068,517	PKR Arrears of Escalation 26.05.2022			6,160,113
129	092	Mar-22	PKR Remuneration 25.04.2022 & JPY & EURO 28.04.2022 & PKR Reimbursable 09.06.2022	49,365,007	249,212.40	101,124,224	PKR Remuneration 10.06.2022 & JPY & EURO 17.06.2022 & PKR Reimbursable 04.08.2022	38,333,736	198,362	95,017,406
130	093	Apr-22	PKR Remuneration 27.05.2022 & JPY & EURO 31.05.2022 & PKR Reimbursable 28.06.2022	50,667,037	244,679.02	75,218,195	PKR Remuneration 30.06.2022 & JPY & EURO 13.07.2022 & PKR Reimbursable 05.09.2022	41,394,136	220,243	69,577,673
131	094	May-22	PKR Remuneration 20.06.2022 & JPY & EURO 29.06.2022 & PKR Reimbursable 24.08.2022	49,101,375	205,176.46	72,623,685	PKR Remuneration 04.08.2022 & JPY & EURO 12.08.2022 & PKR Reimbursable 28.10.2022	39,167,659	184,398	67,291,826
132	095	Jun-22	PKR Remuneration 22.07.2022 & JPY & EURO 05.08.2022 & PKR Reimbursable 12.10.2022	53,592,870	221,574.71	99,319,441	PKR Remuneration 05.09.2022 & JPY & EURO 16.09.2022 & PKR Reimbursable 30.11.2022	29,026,310	199,046	86,307,474
133	Supplementary Invoice	Supplementary March 2022 Inv # 092	PKR Reimbursable 25.08.2022			422,415				
134	096	Jul-22	PKR Remuneration 26.08.2022 & JPY & EURO 06.09.2022 & PKR Reimbursable 01.11.2022	53,835,283	200,533.85	82,687,714	PKR Remuneration 20.09.2022 & EURO 20.10.2022 & JPY 09.11.2022 & PKR Reimbursable 09.12.2022	43,393,521	180,538	76,766,540
135	097	Aug-22	PKR Remuneration 22.09.2022 & resubmitted on 07.10.2022 & JPY & EURO 29.09.2022 & resubmitted on 13.10.2022 & PKR Reimbursable 10.11.2022	48,992,064	183,692.15	84,487,478	PKR Remuneration 07.11.2022 & JPY & EURO 05.12.2022 & PKR Reimbursable 09.01.2023	40,234,896	165,800	77,804,607
136	098	Sep-22	PKR Remuneration 28.10.2022 & JPY & EURO 02.11.2022 & PKR Reimbursable 06.12.2022	51,434,187	189,633.70	86,273,462	PKR Remuneration 09.12.2022 & JPY & EURO 05.01.2023 & PKR Reimbursable 13.01.2023	43,135,295	181,679	81,700,835
137	099	Oct-22	PKR Remuneration 15.11.2022 & JPY & EURO 28.11.2022 & PKR Reimbursable 20.01.2023	50,692,917	291,293.52	88,237,184	PKR Remuneration 09.12.2022 & EURO 05.01.2023 & JPY 23.01.2023	48,307,466	278,906	33,084,204
138	Arrears of Escalation	From Oct 2021 to Dec 2021	JPY & EURO 21.11.2022	6,956,297	55,729.74		JPY & EURO 23.01.2023	6,509,799	52,965	
139	Arrears of Escalation	From Jan 2022 to Sep 2022	JPY & EURO 22.11.2022	723,093	50,326.80		JPY & EURO 23.01.2023	675,186	47,830	
140	085S to 089S	From August 2021 to December 2021 Supplementary	JPY & EURO 30.11.2022	17,498,249	32,184.10					
141	090S to 096S	From January 2022 to July 2022 Supplementary	JPY & EURO 13.12.2022	52,760,915	69,748.06					
142	Arrears of Escalation	Oct-22	PKR Remuneration 16.12.2022			8,304,715				
143	100	Nov-22	PKR Remuneration 22.12.2022 & JPY & EURO 30.12.2022	48,570,033	217,766.95	47,723,476	PKR Remuneration 13.01.2023			45,277,322
144	Supplementary Invoice	Jan-17,Dec-20,Jan21,Nov-21 & From Jan 2022 to Oct 2022	PKR Remuneration 18.01.2023			18,160,031				
145	102-A	1120 Meter Drilling Work 08 Nos. Tunnels	PKR Reimbursable 18.01.2023			79,664,434				
146	101	Dec-22	PKR Remuneration 26.01.2023 & JPY & EURO 30.01.2023	54,272,041	205,493.55	47,050,546				
147										
Total				3,694,900,498	11,369,180.09	5,338,812,753		2,593,448,135	8,549,256	3,781,604,296

NOTE:

* Less amounts which were received are due to deduction of PST , income Tax and without inter-adjustment

** In above given table the Invoice # "018-R" is denoting the Invoice regarding reclaim of "man-months from Aug 2014 to Dec 2015" of pending 11 DHC employees .

*** In above given table the Invoice # "019-R" is denoting the Invoice regarding reclaim of "man-months from Aug 2014 to Jan 2016" of pending another 4 DHC employees .

5.2 Detail of Land Acquisition & Compensation Payment Status to DC

Following is the detail of advances that were reeled to DC office Kohistan by WAPDA as an advance for the tentative cost estimates of land to be acquired for DHPP up to this month.

Table 5.1: Tentative Cost of Land Acquired

Sr. No.	Date	Area	Financial Year	Total
1	13/04/2015	Wapda colony at Chuchang	2015-16	414,903,124
2	20/11/2015	Addl. Land for Wapda Offices & colony at Chuchang	2015-16	294,493,544
3	23/11/2015	CONTRACTOR CAMP UCHAR NULLAH DASU	2015-16	5,822,142
4	23/11/2015	CONTRACTOR CAMP ZAAL SEO	2015-16	16,714,957
5	03/02/2016	KKH-01	2015-16	658,041,445
6	16/05/2016	Protection of Rock Carving at Shatial	2015-16	6,623,625
7	16/05/2016	Ucher Access Road.	2015-16	79,999,633
8	16/05/2016	Zaal Contractors Camp at Seo.	2015-16	3,385,955
9	16/05/2016	Contractor Camp Uchar	2015-16	2,730
10	21/06/2016	Grid Station Dasu	2015-16	4,678,938
	-	Total Amount Released in FY 2015-16		1,484,666,093
11	29/09/2016	Zaal Contractors Camp	2016-17	46,880
12	29/09/2016	Uchar Contractors Camp	2016-17	79,100
13	29/09/2016	Grid Station Site at Chuchang.	2016-17	568,000
14	28/10/2016	RAR-01 excluding Mouza Rongo	2016-17	111,626,318
15	16/01/2017	Wapda colony at Chuchang	2016-17	103,572,755
16	07/01/2017	Wapda colony at Chuchang	2016-17	3,246,412
17	10/02/2017	Chuchang for Offices & Colony Area	2016-17	9,466,253
18	23/02/2017	Uchar Access Road	2016-17	6,780
19	23/02/2017	Shatyal Aasar-e-Qadeema	2016-17	168,512
20	15/05/2017	Uchar Access Road	2016-17	1,087,884
21	15/05/2017	Barseen Access Road	2016-17	1,504,849
22	15/05/2017	Chuchang Khasra No. 594	2016-17	993,125
23	30/05/2017	Kaigah Bypass Road	2016-17	104,065
24	30/05/2017	Barseen Access Road	2016-17	132,825
25	30/05/2017	Kaigah Bypass Road	2016-17	48,996,985
26	30/05/2017	KKH-01 Dasu	2016-17	21,385,861
27	22/06/2017	RAR-01 Dasu HPP	2016-17	10,424,397
28	22/06/2017	Sigal Rangoo Area	2016-17	171,972
29	22/06/2017	KKH-01 Dasu HPP	2016-17	62,195,893
	-	Total Amount Released in FY 2016-17		375,778,866
30	27/07/2017	Barseen Access Road	2017-18	95,737,370
31	25/08/2017	Tunnel Logro-2	2017-18	17,320,630
32	05/09/2017	Khushi to Logro(Dam Site)	2017-18	306,938,100
33	12/09/2017	Khushi Access Road for Dasu HPP	2017-18	269,175,080
34	03/10/2017	Revised Cost Land of Kaigah Bypass	2017-18	68,770
35	03/10/2017	Rangoo Area Dasu HPP	2017-18	4,480
36	20/10/2017	Logro-2	2017-18	129,460
37	20/10/2017	Khushi Access Road	2017-18	66,924
38	27/11/2017	Rangoo RAR-01	2017-18	5,247,497
39	29/11/2017	RAR-01	2017-18	2,292,968
40	29/11/2017	KKH-01	2017-18	3,322,315
41	12/12/2017	Khushi to Logro	2017-18	270,555
42	18/12/2017	Khushi access road and dumping area	2017-18	2,362,660
43	24/01/2018	Access road to Diversion Tunnel LOGRO 2	2017-18	2,552,187
44	29/05/2018	Contractor Camp Shaal,	2017-18	254,774,975
45	29/05/2018	Logro-1,	2017-18	191,527,493
46	29/05/2018	Dumping Area Summar Nullah ,	2017-18	75,954,433
47	29/05/2018	Zongmei Contractor Camp Uchar,	2017-18	14,836,535
48	29/05/2018	Pani Bah Access Road,	2017-18	13,223,907
49	29/05/2018	Shaal Additional Land of KKH-01,	2017-18	9,218,100
50	29/05/2018	Kotgal Access Road,	2017-18	9,099,595
51	29/05/2018	Chalsi Access road,	2017-18	7,129,417
52	29/05/2018	Summar Nullah Access road,	2017-18	3,111,777
53	29/05/2018	Sazeen Access Road,	2017-18	2,613,750
54	29/05/2018	Shuri Nullah Access road	2017-18	2,167,500
	-	Total Amount Released in FY 2017-18		1,289,146,478
55	03/07/2018	Barseen Contractor Camp	2018-19	149,411,432
56	03/07/2018	Uchar Contractor Camp-2	2018-19	90,125,808
57	03/07/2018	Tailrace Area Kuz Chuchang	2018-19	56,753,658
58	03/07/2018	Seer Gayal RAR-02	2018-19	54,912,887
59	03/07/2018	Largani Reservoir	2018-19	3,902,900
60	03/07/2018	Rangoo Bypass RAR-01	2018-19	2,052,290
61	15/08/2018	Ucher Dumping Area	2018-19	256,701
62	15/08/2018	Pani Bah Access Road	2018-19	47,621
63	15/08/2018	Zongmei Contractor Camp	2018-19	12,870

64	15/08/2018	KKh-01 (Shaal)	2018-19	43,996
65	15/08/2018	Barseen Contractor Camp	2018-19	39,911
66	25/09/2018	Uchar Nullah	2018-19	169,786,303
67	25/09/2018	Access Road Shuri Das	2018-19	40,400,071
68	25/09/2018	Logro-1	2018-19	136,498
69	12/10/2018	RAR-II Road Doga	2018-19	172,069,840
70	12/10/2018	Largani Reservoir area	2018-19	151,862,816
71	12/10/2018	RAR-II Koma	2018-19	148,130,506
72	12/10/2018	Tatta Pani Kaigah Reservoir	2018-19	56,715,345
73	12/10/2018	Kaigah Camp-II	2018-19	23,920,677
74	12/10/2018	Dumping Area Shuri Nullah	2018-19	12,544,413
75	12/10/2018	Dumping area chalasai	2018-19	12,409,619
76	12/10/2018	Kaigah Camp-I	2018-19	8,457,804
77	12/10/2018	Resettlement site uchar	2018-19	6,838,927
78	12/10/2018	Nasirabad II Resettlement site	2018-19	5,557,112
79	12/10/2018	Nasirabad (1) Kaigah	2018-19	4,784,360
80	12/10/2018	Logro-1	2018-19	6,245,665
81	12/10/2018	uchar Dumping Area	2018-19	2,893,999
82	12/10/2018	Spoil Uchar Dumping area	2018-19	436,750
83	12/10/2018	Tailrace Area	2018-19	313,996
84	12/10/2018	Dabbar RAR-01	2018-19	36,623
85	12/10/2018	Chalasai Access road	2018-19	29,878
86	12/10/2018	Zongmei Contractor Camp	2018-19	382,660
87	12/10/2018	Logro-1	2018-19	131,990
88	12/10/2018	Khushi to Logro Dam Site (Revised Cost)	2018-19	114,345
89	12/10/2018	Tailrace Area	2018-19	176,948
90	12/10/2018	RAR-01 Signal Rango	2018-19	35,920
91	12/10/2018	Khushi to Logro Dam Site	2018-19	29,047
92	12/10/2018	Lagrani Damages	2018-19	25,230
93	12/10/2018	Pani Bah Access Road	2018-19	17,045
94	15/10/2018	RAR-01	2018-19	2,347,846
95	12/11/2018	Land of Kaigah to Awayi KKH-02(i)	2018-19	259,065,119
96	12/11/2018	Access road to Resettlement Site 1 Area-4	2018-19	1,039,194
97	12/11/2018	Khushi Resettlement Site 1 Area 3	2018-19	2,202,374
98	12/11/2018	KKH-01 Kaigah Maidan	2018-19	306,000
99	12/11/2018	Khushi Access road & Dumping area	2018-19	215,144
100	12/11/2018	gobber Nullah dumping area and access road	2018-19	39,745,800
101	12/11/2018	Dumping area/Contractor Camp Looter	2018-19	28,103,095
102	12/11/2018	6% Interest: Khoshi access road	2018-19	4,251,640
103	12/11/2018	6% Interest: Logro-2	2018-19	820,671
104	10/01/2019	Kotgal Reservoir	2018-19	314,089,040
105	10/01/2019	Kandia Bridge to Dandar (RAR-02)	2018-19	255,222,908
106	10/01/2019	Looter Nullah to Shukrait Nullah KKh-02	2018-19	97,052,422
107	10/01/2019	Largani Reserviour Area-II	2018-19	83,770,189
108	10/01/2019	Awai to Looter Nuhhalh KKh-02 (iii)	2018-19	31,661,474
109	10/01/2019	Logro Reserviour (Site-1)	2018-19	18,146,145
110	10/01/2019	Koshi Resettlement Site 1 Area 1,2,	2018-19	4,886,237
111	10/01/2019	Shaal Zero Point.	2018-19	1,525,596
112	10/01/2019	Rangoo Bypass Komila	2018-19	25,740
113	18/01/2019	Barseen zogme Mazzine Side	2018-19	33,516,264
114	18/01/2019	Looter Reserviour area-II	2018-19	32,802,152
115	18/01/2019	Looter KKH-02	2018-19	10,143,092
116	18/01/2019	RAR-01	2018-19	75,814,812
117	18/01/2019	Khushi Access Road	2018-19	58,480,347
118	18/01/2019	Khushi To Logro	2018-19	47,373,470
119	18/01/2019	Logro-1	2018-19	36,195,531
120	18/01/2019	Access Road PAni Bah	2018-19	6,516,883
121	18/01/2019	Zongme Camp Uchar	2018-19	3,745,068
122	18/01/2019	Largani Damages	2018-19	1,264,413
123	18/01/2019	Addl Land KKH Zero Point	2018-19	866,999
124	18/01/2019	Khushi Access Road	2018-19	3,435,975
125	18/01/2019	Khushi Access Road	2018-19	906,160
126	22/02/2019	Looter Reservoir Area-1	2018-19	50,054,104
127	22/02/2019	Uchar KKh-01 3.	2018-19	38,236,096
128	22/02/2019	Barseen-III,KKH-01	2018-19	11,414,824
129	22/02/2019	Largani (KKH-01)	2018-19	11,403,443
130	22/02/2019	Chuchang (KKH-01)	2018-19	11,011,574
131	22/02/2019	Barseen-II, KKH-01	2018-19	10,264,800
132	22/02/2019	Kuz Chuchng (KKH-01)	2018-19	8,531,983
133	22/02/2019	Barseen 1, KKH 01	2018-19	8,246,666
134	22/02/2019	Barseen-IV, KKH-01	2018-19	1,105,000
135	22/02/2019	Khushi Resettlement site-1 (Area-3)	2018-19	811,312
136	22/02/2019	Khushi resettlement site-1 (Area-4)	2018-19	382,819
137	22/02/2019	Largani Reservoir Area 1	2018-19	2,649,997

138	22/02/2019	Shaal Contractor Camp	2018-19	512,510
139	01/03/2019	Khushi Accesss Road	2018-19	6,376,401
140	01/03/2019	Khushi to Logro Khasra No. 47	2018-19	1,034,904
141	20/03/2019	Addl Land of Barseen (KKH-01)	2018-19	5,847,874
142	20/03/2019	Access Road to Khushi resettlement site-1 Area 1,2	2018-19	2,033,547
143	20/03/2019	Summar Nullah Access Road	2018-19	943,957
144	20/03/2019	Seer Gayal (RAR-02)	2018-19	905,518
145	20/03/2019	Access Road to Khushi resettlement site-1	2018-19	889,550
146	20/03/2019	Access Road to Nasirabad Resettlement Site-1	2018-19	163,462
147	20/03/2019	Kaigah Camp No. 02	2018-19	11,846
148	26/03/2019	Chillasi access road	2018-19	858,175
149	11/04/2019	Uchar Contractor Camp No. 2 Thoki	2018-19	5,214,310
150	11/04/2019	Uchar Contractor Camp No. 2 Thoki	2018-19	1,338,457
151	11/04/2019	Largani Reservior Area-2	2018-19	1,064,723
152	11/04/2019	Largani Reservior Area-1	2018-19	806,430
153	11/04/2019	Kaigah Contractor Camp-02	2018-19	142,000
154	11/04/2019	Shaal Contractor Camp	2018-19	111,515
155	11/04/2019	Chilasi/Chilaashi Dumping Area	2018-19	49,497
156	11/04/2019	Shuri Nullah Dumping Arear	2018-19	46,383
157	11/04/2019	Shuri Nullah Dumping Arear	2018-19	2,969
		Total Amount Released in FY 2018-19		2,820,048,907
158	30/07/2019	Addl Funds for Khushi to Logro (Dam Site)	2019-20	14,955,651
159	30/07/2019	Dandar to uthoor RAR-02(B)	2019-20	87,276,039
160	30/07/2019	Kaigah dumping area& Access road-1	2019-20	254,521,819
161	30/07/2019	Logro-II (TMA tax 2%)	2019-20	16,414
162	30/07/2019	Dumping Area Summar Nullah ,	2019-20	4,985,560
163	30/07/2019	Shaal Contractor Camp	2019-20	4,274,776
164	30/07/2019	Khushi to logro dam site	2019-20	4,270,103
165	30/07/2019	Resettlement site uchar-1	2019-20	1,307,148
166	30/07/2019	Summar Nullah dumping area	2019-20	616,362
167	30/07/2019	Summar Nullah dumping area	2019-20	253,185
168	30/07/2019	logro-II	2019-20	179,046
169	30/07/2019	Uchar contractor camp-2	2019-20	113,599
170	30/07/2019	Saeen access road	2019-20	41,486
171	30/07/2019	Summar Nullah Access Road	2019-20	45,843
172	30/07/2019	Shuri Nullah Access road	2019-20	13,010
173	30/07/2019	Sazeen access road	2019-20	722
174	06/12/2019	Addl land KKh-01 (Chuchang)	2019-20	406,620
175	06/12/2019	Addl land KKh-01 (Shaal to Chuchang)	2019-20	182,544
176	06/12/2019	Addl land KKh-01 (Barseen-1)	2019-20	18,030
177	06/12/2019	Addl land KKh-01 (Uchar logro)	2019-20	1,830
178	06/12/2019	Logro Reserviour (Site-1)	2019-20	36,060
179	06/12/2019	Shuri das access road	2019-20	36,060
180	06/12/2019	KKh-02 (part-1)	2019-20	15,012
181	06/12/2019	KKh-01 (Barseen-V)	2019-20	70,879
182	06/12/2019	Kaigah Contractor Camp-02	2019-20	1,524,283
183	09/12/2019	Pani bah access road (40%)	2019-20	5,289,563
184	09/12/2019	Chillasi access road (40%)	2019-20	2,851,766
185	09/12/2019	Rargo Bypass RAR-01 (40%)	2019-20	820,916
186	09/12/2019	Chillasi access road	2019-20	248,733
187	09/12/2019	Pani bah access road	2019-20	1,600,508
188	19/12/2019	Addl. Area for Grid Station (Kuz Chuchang)	2019-20	623,824
189	19/12/2019	Gobar Nullah Access	2019-20	448,153
190	19/12/2019	Addl. Land KKh-01 (Barseen-II)	2019-20	343,972
191	19/12/2019	Addl. Land KKH-01 (Barseen-I)	2019-20	287,432
192	24/12/2019	Kaigah Dumping Area and access road	2019-20	3,744,475
193	24/12/2019	Addl. Land KKH-01 (Lagrani)	2019-20	576,917
194	24/12/2019	KKH-02 (Shurkait nullah to shuri nullah part-III)	2019-20	360,620
195	24/12/2019	Addl. Land KKH-01 (Barseen-III)	2019-20	614,210
196	24/12/2019	KKh-02 (A) Awai to Looter Area	2019-20	312,200
197	24/12/2019	Gobar Nullah Access Road and Dumping Area	2019-20	203,850
198	24/12/2019	Tail Rece Area Chuchang	2019-20	22,701,463
199	24/12/2019	kaiga to awai kkh-02(i)	2019-20	103,626,048
200	24/12/2019	looter nullah to shukrait nullah kkh-02	2019-20	38,820,969
201	24/12/2019	Looter KKh-02	2019-20	4,057,237
202	24/12/2019	Awai to looter Nullah kkh-02 (iii)	2019-20	12,664,590
203	24/12/2019	Uchar contrator camp-2	2019-20	36,050,036
204	24/12/2019	barseen contractor camp	2019-20	59,764,573
205	24/12/2019	kaigah camp-1	2019-20	3,383,122
206	24/12/2019	kaigah camp-11	2019-20	9,568,271
207	24/12/2019	Addl Land KKH-01 Shaal Zero point	2019-20	610,238
208	24/12/2019	Addl Land Kuz chuchang KKh-01	2019-20	3,412,793
209	24/12/2019	Add. Land KKH-01 Shaal to chuchang	2019-20	4,404,630
210	24/12/2019	Largani KKh-01	2019-20	4,561,377

211	24/12/2019	Barseen-1 KKH-01	2019-20	3,298,667
212	24/12/2019	Barseen-11 KKH-01	2019-20	4,105,920
213	24/12/2019	Barseen-111 KKH-01	2019-20	4,565,930
214	24/12/2019	Barseen-IV KKH-01	2019-20	442,000
215	24/12/2019	Uchar KKh-01	2019-20	15,294,438
216	24/12/2019	Barseen(V) KKh-01	2019-20	2,339,150
217	24/12/2019	KKh-01 Kaiga Maidan	2019-20	122,400
218	24/12/2019	Dumping area Summar Nala	2019-20	30,381,773
219	24/12/2019	Summar Nullah access road	2019-20	1,244,711
220	24/12/2019	shuri nullah access road	2019-20	867,000
221	24/12/2019	Sazin access road	2019-20	1,045,500
222	24/12/2019	Kotgal access road	2019-20	3,639,838
223	24/12/2019	zongmei contractor camp	2019-20	5,934,614
224	24/12/2019	largani damages	2019-20	1,560,027
225	24/12/2019	seer gayal RAR-02	2019-20	22,327,362
226	24/12/2019	RAR-II road Daga	2019-20	68,827,936
227	24/12/2019	RAR-II road Koma	2019-20	59,252,202
228	24/12/2019	Kandia Bridge to Dandar (RAR-02)	2019-20	102,089,163
229	24/12/2019	Uchar Dumping Area	2019-20	67,914,521
230	24/12/2019	Dumping area Chalashi	2019-20	4,963,848
231	24/12/2019	Access road shuri das	2019-20	16,160,028
232	24/12/2019	Dumping area/contractor camp looter	2019-20	11,241,238
233	24/12/2019	Dumping area shuri nullah	2019-20	5,017,765
234	24/12/2019	Gobbar Nullah Dumping area & access road	2019-20	15,898,320
235	24/12/2019	Kaiga Spoil dumping area & access road-01	2019-20	101,808,728
236	24/12/2019	Tatta pani kaiga Reserviour	2019-20	22,686,138
237	24/12/2019	Nasir abad (1) Kaiga	2019-20	1,913,744
238	24/12/2019	Nasir abad (2) Resettlement site	2019-20	2,222,845
239	24/12/2019	Khushi resettlement site 1 area 1 & 2	2019-20	2,767,914
240	24/12/2019	Access road to resettlement site-1 area 3	2019-20	568,805
241	24/12/2019	Khushi resettlement site 1 area 3	2019-20	1,205,474
242	24/12/2019	Resettlemet site uchar	2019-20	2,735,571
243	24/12/2019	Largani reserviour area-01	2019-20	60,745,126
244	24/12/2019	RAR-02(B) Dandar to uthoor	2019-20	34,910,416
245	24/12/2019	Kotgal reserviour	2019-20	125,635,616
246	24/12/2019	Looter reserviour area-II	2019-20	13,120,861
247	24/12/2019	Largani reserviour area-02	2019-20	33,508,076
248	24/12/2019	Logro reserviour (site-1)	2019-20	7,258,458
249	24/12/2019	Barseen zongmei maghzine site	2019-20	13,406,506
250	24/12/2019	Looter reserviour area-1	2019-20	20,021,642
251	08/01/2020	Doga RAR-02	2019-20	3,808,590
252	08/01/2020	Kaigah Access Road and spoil Dumping Area-1	2019-20	3,453,870
253	08/01/2020	Looter Contractor camp/Dumping Area	2019-20	1,549,490
254	08/01/2020	Shuri Das Access Road	2019-20	367,838
255	08/01/2020	Looter Contractor Camp/Dumping Area	2019-20	238,373
256	08/01/2020	Kaigah Dumping and Access Road Site-II	2019-20	9,361,188
257	27/01/2020	Doga RAR-02	2019-20	11,133,003
258	27/01/2020	Kaigah Contractor Camo No-01	2019-20	241,860
259	27/01/2020	Spoil Dumping area Uchar	2019-20	13,844,605
260	27/01/2020	Uchar Resettlement site-1(Revised cost)	2019-20	130,573
261	27/01/2020	KKh-02, Looter-2 (Part-2)	2019-20	94,181
262	27/01/2020	KKH-01 (Kuz Chuchang)	2019-20	122,496
263	27/01/2020	Looter KKH-02 (Part-3)	2019-20	7,824,854
264	27/01/2020	Largani Damages Area(Revised cost)	2019-20	288,904
265	27/01/2020	Summer Nullah Access Road (Revised cost)	2019-20	259,401
266	27/01/2020	Land Shaal Zero point	2019-20	24,890
267	27/01/2020	Shuri Nullah Dumping Area	2019-20	3,408,318
268	27/01/2020	Kaigah to Awai KKH-02(Part-1)	2019-20	7,867,037
269	27/01/2020	KKH-02 (iii) Awai to Looter	2019-20	391,045
270	27/01/2020	Zhongmei explosive (Barseen)	2019-20	32,000
271	27/01/2020	Zhongmei contractor camp , UCHAR	2019-20	51,410
272	27/01/2020	KKH-01 Logro-Uchar	2019-20	1,230,059
273	27/01/2020	Largani reserviour area-02	2019-20	80,789
274	27/01/2020	Looter contractor camp/dumping area	2019-20	1,137,167
275	27/01/2020	Kaigah Contractor Camp No. 02 (Revised cost)	2019-20	236,056
276	31/01/2020	Gober Nullah Dumping/Access Road	2019-20	2,300,775
277	31/01/2020	Logro Reservoir Area-1	2019-20	1,709,508
278	31/01/2020	Barseen contractor camp	2019-20	11,934,910
279	31/01/2020	Zongmei Explosive magazine, Barseen	2019-20	4,398,775
280	31/01/2020	Access road to uchar resettlement site-1	2019-20	894,656
281	31/01/2020	Largani Damages	2019-20	13,545
282	31/01/2020	Kotgal Access road	2019-20	436,324
283	07/02/2020	Alld. Land KKH-01 Gulibagh MAidan (Kaigah)	2019-20	2,251,904
284	07/02/2020	Zhongmei contractor camp uchar (Revised cost)	2019-20	788,941

285	13/02/2020	Logro Reserviour Area-1	2019-20	7,295,563
286	13/02/2020	Barseen Contractor Camp Area	2019-20	1,151,677
287	13/02/2020	Seer Gayal RAR-02	2019-20	272,513
288	13/02/2020	Looter to Shukrait Nullah (KKH-02)	2019-20	181,960
289	13/02/2020	Kandia Bridge to Dandar (RAR-02)	2019-20	77,120
290	13/02/2020	Dandar to uthoor Nullah (RAR-02)	2019-20	96,679
291	13/02/2020	Kaigah Access road & Spoil dumping area-2	2019-20	470,172
292	13/02/2020	Looter reserviour area-2	2019-20	222,214
293	13/02/2020	Kaigah Reserviour area (Tatta Pani)	2019-20	204,864
294	24/02/2020	RAR-02 Dogah	2019-20	27,638,450
295	24/02/2020	KKH-02(Kaigah to Awai) Part-1	2019-20	3,348,658
296	24/02/2020	Kaigah Access Road & Dumping area-01	2019-20	2,392,969
297	24/02/2020	Kaigah Reserviour area (Tatta Pani)	2019-20	830,000
298	24/02/2020	KKH-02(Kaigah to Awai) Part-1	2019-20	658,080
299	24/02/2020	Zhongmei explosive magazine Barseen	2019-20	2,000
300	25/02/2020	Kotgal Reserviour Area(RAR-02)	2019-20	24,530,126
301	25/02/2020	Kotgal Reserviour Area(RAR-02)	2019-20	7,476,580
302	25/02/2020	Looter Reservior Area-01	2019-20	1,111,360
303	25/02/2020	Looter Reservior Area-02	2019-20	198,132
304	05/03/2020	Kaigah Access Road & Dumping Area-01	2019-20	62,054,228
305	05/03/2020	Viz Kaigah Reserviour Area(Tatta Pani)	2019-20	47,017,152
306	05/03/2020	Tailrace AT Kuz Chuchang	2019-20	38,116,451
307	05/03/2020	Kandia Bridge to Dandar(RAR-II)	2019-20	19,425,418
308	05/03/2020	RAR-02 Komah	2019-20	15,750,337
309	05/03/2020	RAR-02 Komah	2019-20	7,984,191
310	05/03/2020	Viz Dandar to Uthoor	2019-20	3,718,056
311	05/03/2020	Kotgal Reserviour Area	2019-20	89,039,872
312	05/03/2020	Largani Reserviour area-1	2019-20	12,711,751
313	05/03/2020	Uchar contractor camp No.2 (Thoki)	2019-20	54,073,119
314	05/03/2020	Kandia Bridge to Dandar(RAR-II)	2019-20	38,177,960
315	13/03/2020	Addl. Land KKH-01 Zero Point	2019-20	274,088
316	19/03/2020	KKH-01, Part 1 (Kaigah to Awai)	2019-20	75,010,953
317	19/03/2020	RAR-02 Komah	2019-20	23,317,710
318	19/03/2020	Reserviour area(tatta pani)	2019-20	3,704,779
319	19/03/2020	Zongmei explosive magazine	2019-20	21,997,858
320	20/03/2020	KKH-02 Part-1 (Kaigah to Awai)	2019-20	8,135,120
321	20/03/2020	RAR-02 (Doga)	2019-20	33,920,622
322	15/06/2020	Addl. Land in Kumaro Nalah (RAR-01)	2019-20	6,239,358
323	15/06/2020	Barseen Dumping & Reservoir area	2019-20	392,115,653
324	15/06/2020	Sazeen Das Limit to Sazeen Nalah File No. 01	2019-20	132,784,379
325	15/06/2020	Reservoir (Jhali Nala to Komah Nala)	2019-20	113,309,762
326	29/06/2020	Access Road to Resettlement Site (Dhaat-3)	2019-20	9,279,175
	-	Total Amount Released in FY 2019-20		2,968,389,280
327	14/07/2020	Shuri Das Access road	2020-21	16,550,382
328	17/07/2020	Pani Bah Reservoir	2020-21	358,605,821
329	17/07/2020	Barseen Baily Bridge Site-II	2020-21	172,847,803
330	17/07/2020	Sigloo Blasting Area	2020-21	32,603,566
331	17/07/2020	Addl. Land KKH-01 (K-3 Tunnel)	2020-21	5,100,448
332	04/08/2020	Chilashi to Looter Reservoir Area	2020-21	249,485,714
333	04/08/2020	Logro Reservoir Area-2	2020-21	80,837,537
334	04/08/2020	Kaigah Quarry Area-2	2020-21	56,140,028
335	04/08/2020	Uchar Crushing Plant	2020-21	26,249,159
336	04/08/2020	Additional Land for Grid Station Chuchang	2020-21	15,134,498
337	04/08/2020	Barseen Contractor Camp	2020-21	33,878,313
338	04/08/2020	Looter Reservoir	2020-21	1,442,739
339	07/08/2020	Dumping Area Summar Nullah	2020-21	76,382,222
340	14/10/2020	Pani Bah Reserviour Area-2	2020-21	232,970,420
341	14/10/2020	Uchar logro	2020-21	103,839,286
342	14/10/2020	Siglo-3	2020-21	75,775,648
343	14/10/2020	Lor Summar Nullah to Sazeen Limits	2020-21	73,483,857
344	14/10/2020	LoR Shuri Nullah To Summar Nullah	2020-21	65,843,126
345	14/10/2020	LoR Sazeen Nala To Shatial Limits (File-1)	2020-21	48,282,768
346	14/10/2020	Addl. Land Tailrace Area at Kuz Chung	2020-21	21,973,117
347	14/10/2020	Sigloo-1 (File-2)	2020-21	11,144,393
348	14/10/2020	Addl. Land RAR-01(ZAAL)	2020-21	1,965,761
349	14/10/2020	Addl. Land of Rango Bypass	2020-21	1,203,203
350	14/10/2020	Siglo-2 (File-3)	2020-21	118,507,107
351	14/10/2020	Seer Gayal (RAR-02)	2020-21	14,776,899
352	14/10/2020	Addl Land Grid Station Chuchang	2020-21	721,071
353	03/11/2020	Kaegah Querry Area-II	2020-21	8,761,380
354	03/11/2020	Uchar Crushing Plant	2020-21	3,012,113
355	03/11/2020	Pani Bah Reservious Area-2	2020-21	1,250,200
356	03/11/2020	Barseen Dumping & Reserviour Area-1	2020-21	669,550
357	03/11/2020	Sigloo Blasting Area	2020-21	421,970

358	03/11/2020	Siglo-2(file-4)	2020-21	320,490
359	03/11/2020	Barseen Dumping & Reserviour Area-II	2020-21	228,040
360	03/11/2020	Pani Bah Reservious	2020-21	122,280
361	19/11/2020	Gober Nullah to Shukrait Reserviour area	2020-21	213,574,025
362	19/11/2020	Gumoonend point to Uthor Nullah Reserviour area	2020-21	82,125,209
363	19/11/2020	Natbail To Salich bridge kandia reserviour area	2020-21	315,329,500
364	19/11/2020	Lachi Nala reserviour area-1 (File-4)	2020-21	18,837,988
365	19/11/2020	Uchar Crushing plant	2020-21	10,733
366	19/11/2020	Sigloo Blasting area	2020-21	829,518
367	19/11/2020	Uchar Logro reserviour area file-2	2020-21	25,395,628
368	19/11/2020	Uchar Logro reserviour area file-1	2020-21	12,573,766
369	19/11/2020	Addl Land for access road to resettlement site 3 & 4 Uchar	2020-21	997,013
370	19/11/2020	Siglo-1 File-1	2020-21	243,654,294
371	19/11/2020	Siglo-2 file 4	2020-21	233,248,782
372	19/11/2020	LoR Shukrait Nala to Shuri nala	2020-21	183,633,196
373	19/11/2020	Lachi Nala reserviour area file 5	2020-21	28,183,251
374	19/11/2020	Kotgal to kandia reserviour area	2020-21	824,536,409
375	19/11/2020	Siglo 2 file 2	2020-21	53,367,028
376	19/11/2020	Lachi Nala reserviour area file 2	2020-21	19,030,084
377	19/11/2020	Sazeendas reserviour area 2	2020-21	162,230,931
378	19/11/2020	Lachi nala reserviour area-1	2020-21	114,802,353
379	26/11/2020	Sazeendas reserviour area 1	2020-21	514,387,499
380	26/11/2020	Lachi nala reserviour area file 3	2020-21	20,339,746
381	26/11/2020	Kishu karh to milar limits reserviour area	2020-21	75,626,895
382	26/11/2020	Slich bridge to kotgal reserviour area	2020-21	219,610,080
383	26/11/2020	Kotgal to dandar start point reserviour	2020-21	316,895,164
384	26/11/2020	Milar to Dogah reserviour area 1	2020-21	315,044,806
385	27/11/2020	Komila By Pass File 1	2020-21	69,740,347
386	27/11/2020	Komila By Pass File 2	2020-21	34,933,173
387	08/12/2020	Gayal/Kandia Reservoir	2020-21	9,405,883
388	08/12/2020	Natbail to BairKandia Reservoir	2020-21	291,384,204
389	08/12/2020	Dogah end Point to Gayal Nullah (File-3)	2020-21	239,493,017
390	08/12/2020	Komila Bypass (File-3)	2020-21	61,122,322
391	08/12/2020	Dogah end Point to Gayal Nullah file-2	2020-21	84,933,188
392	08/12/2020	Siglo-2 File-1	2020-21	167,512,778
393	08/12/2020	Dogah Nullah to Gayal Limits (File-4)	2020-21	144,165,744
394	08/12/2020	Summer End Point to Lachi Limit	2020-21	120,157,403
395	08/12/2020	Gadeer Reservoir Area-4	2020-21	41,944,487
396	08/12/2020	Guli Bagh Reservoir Area	2020-21	327,318,915
397	08/12/2020	Gadeer Reservoir Area-3	2020-21	32,737,936
398	08/12/2020	For Dogh Nullah to Gayal Limit File-1	2020-21	169,531,753
399	08/12/2020	Lor (Sazeen Das Limit to Sazeen Nullah) File-2	2020-21	117,679,861
400	08/12/2020	For Gumoon Start Point to Gumoon End Point	2020-21	145,682,859
401	08/12/2020	Lor (Sazeen Das Limit to Sazeen Nullah) File-3	2020-21	19,313,425
402	08/12/2020	Gadeer Reservoir Area File-2	2020-21	185,212,869
403	08/12/2020	Dandar Reservoir Area	2020-21	141,940
404	08/12/2020	Siglo-2 (File-2)	2020-21	2,000
405	08/12/2020	Barsen Dumping area and reservoir area-2	2020-21	5,958,055
406	08/12/2020	Logro Reservoir Area (File-2)	2020-21	3,874,900
407	08/12/2020	Pani Bah Reservoir Area-2	2020-21	2,638,006
408	08/12/2020	Uchar Logro Reservoir area (File-3)	2020-21	2,153,547
409	08/12/2020	Uchar Logro Reservoir area (File-2)	2020-21	812,090
410	08/12/2020	Uchar Logro Reservoir area (File-1)	2020-21	748,811
411	08/12/2020	Gadeer Reservoir Area (File-3)	2020-21	174,833
412	08/12/2020	Uchar Logro reservoir area (File-2)	2020-21	98,700
413	08/12/2020	Siglo-1 (File-2)	2020-21	73,827
414	08/12/2020	Addl. Land (K-2 Tunnel) Parts 1 & 2	2020-21	53,502
415	08/12/2020	Siglo-1 (File-3)	2020-21	45,120
416	15/12/2020	Siglo-2 (File-4)	2020-21	22,313,455
417	15/12/2020	Guli Bagh Reserviour area	2020-21	17,236,360
418	15/12/2020	Siglo-2 (File-1)	2020-21	11,795,118
419	15/12/2020	Gumoon Baily Bridge (Left bank)	2020-21	7,999,425
420	15/12/2020	Siglo-2 (File-3)	2020-21	6,524,642
421	15/12/2020	Barseen Dumping and reserviour area-1	2020-21	4,848,750
422	15/12/2020	Siglo-3 (File-1)	2020-21	3,742,894
423	15/12/2020	Baily Bridge Barseen / Komah (Site-1)	2020-21	3,268,160
424	15/12/2020	LoR Chillashi to Looter	2020-21	2,452,852
425	15/12/2020	Pani Bah reserviour area-1	2020-21	2,082,644
426	15/12/2020	Gadeer Reserviour Area (File-2)	2020-21	1,959,054
427	15/12/2020	Guli Bagh Reserviour area	2020-21	740,282
428	15/12/2020	Kaigah Querry Area-2	2020-21	617,248
429	15/12/2020	Gadeer Reserviour Area (File-1)	2020-21	556,972
430	15/12/2020	LoR KKh-02 End Point to Sazeen Das Limits	2020-21	342,367
431	15/12/2020	Gadeer Reserviour Area (F-4)	2020-21	219,690

432	15/12/2020	Lachi Nala File-3	2020-21	167,518
433	15/12/2020	Addl. Land Tailrace	2020-21	166,559
434	15/12/2020	Lachio Nala (F-5)	2020-21	91,927
435	15/12/2020	Baily Bridge Gumoon/ Looter (Left bank)	2020-21	78,690
436	15/12/2020	Lachi Nala (File-2)	2020-21	44,852
437	15/12/2020	Sazeen Nala to Shatial Limits (File-1)	2020-21	43,134
438	28/12/2020	Gayal Nala to Kandia bridge Reserviour area	2020-21	270,576,717
439	28/12/2020	LoR Baily Bridge Gumoon	2020-21	237,437,738
440	28/12/2020	Gandeer Reserviour area (File-1)	2020-21	77,523,782
441	28/12/2020	Dogah Nala Gayal Limits (File-2)	2020-21	45,160,978
442	28/12/2020	Dandar Reservoir Area	2020-21	540,514,619
443	28/12/2020	Millar to Dogah Nala (File-3)	2020-21	117,870,498
444	28/12/2020	Millar to Dogah Nala (File-1)	2020-21	109,061,636
445	28/12/2020	Millar to Dogah Nala (File-2)	2020-21	99,494,112
446	28/12/2020	Baily Bridge Barseen/ Komah (Site-3)	2020-21	50,391,488
447	28/12/2020	Sigloo-3 File-2	2020-21	139,963,273
448	07/01/2021	Dogah Nala to Dogah End Point Reservoir Area (File-3)	2020-21	183,491,325
449	07/01/2021	Kaigah Quarry-2	2020-21	3,244,732
450	15/01/2021	Bailey Bridge Gumoon Left Side Reservoir Area	2020-21	2,593,759
451	07/01/2021	Siglo Blasting Area	2020-21	27,550,211
452	07/01/2021	RAR-1 Addl. Land Zaal	2020-21	507,539
453	07/01/2021	Siglo-III File-2	2020-21	6,173,311
454	07/01/2021	Lachi Nalla File-4	2020-21	30,260
455	07/01/2021	Siglo-III File-1	2020-21	220,750
456	07/01/2021	Jhalinallah to Kumanallah	2020-21	20,130
457	07/01/2021	Baily Bridge Barseen/Komah (Site-1)	2020-21	366,546,865
458	07/01/2021	KKH-02, End Point to Sazeen Das Limit Reservoir Area)	2020-21	161,498,328
459	07/01/2021	Summar Nallah to Sazin Limit Area	2020-21	693,611
460	07/01/2021	Shuri Nallah to Summar Nallah Area	2020-21	408,909
461	07/01/2021	Komila Bypass File-2	2020-21	118,446
462	19/01/2021	Pani Bah Reservoir area-I	2020-21	22,120,646
463	19/01/2021	Sazeen Das Limit to Sazeen Nallah Reserviour area (P-1)	2020-21	15,096,150
464	19/01/2021	Siglo-I File-I	2020-21	13,979,730
465	19/01/2021	Barseen Dumping reservoir area-2	2020-21	13,194,453
466	19/01/2021	Tailrace Addl. area Kuz Chuchang	2020-21	9,074,538
467	19/01/2021	Pani Bah Reservoir area-II	2020-21	8,189,040
468	19/01/2021	Lachi Nallah Left of Reservoir Area-File-4	2020-21	2,605,490
469	19/01/2021	Sazeen Das Limit to Sazeen Nallah PT-2 (LoR)	2020-21	1,556,128
470	19/01/2021	Komila Bypass File-1	2020-21	456,766
471	19/01/2021	Sazeen Das Limit to Sazeen Nallah PT-3 (LoR)	2020-21	219,379
472	19/01/2021	Sazeen Das File-2 Reservoir area	2020-21	32,747
473	28/01/2021	Lachi Nala left of Reserviour Area File-1	2020-21	6,661,510
474	28/01/2021	Sigloo-3 File-2	2020-21	2,619,820
475	28/01/2021	Lachi nullah left of Reserviour Area File-3	2020-21	2,009,090
476	28/01/2021	Baily Bridge Barseen / Kuma Site-2	2020-21	1,965,890
477	28/01/2021	Lachi nullah left of Reserviour Area File-2	2020-21	486,490
478	28/01/2021	Sazeen Das Reserviour area File-1	2020-21	405,990
479	28/01/2021	Siglo-3 File-2	2020-21	114,988,616
480	28/01/2021	Gobar Nalla to Shukrait Nalla	2020-21	5,582,395
481	28/01/2021	Shukrait Nalla to Shuri Nalla	2020-21	5,136,785
482	28/01/2021	Siglo-1 File-1	2020-21	3,953,242
483	28/01/2021	Lachi Nallah File-1	2020-21	579,000
484	28/01/2021	Summar End Point to Lachi Nala Limit	2020-21	413,797
485	28/01/2021	Saznin Das File-1	2020-21	159,464
486	28/01/2021	RAR-01 Additional Land (Zaal)	2020-21	13,630
487	28/01/2021	Komila Bypass File-2	2020-21	274,650
488	28/01/2021	Komila Bypass File-1	2020-21	252,310
489	28/01/2021	Sigloo-2 File-2	2020-21	7,880,638
490	28/01/2021	Sigloo-2 File-4	2020-21	2,007,222
491	28/01/2021	Dam site Siglo-2 (File-4)	2020-21	79,359,651
492	28/01/2021	Uchar/Logro Reservoir area File-2	2020-21	45,115,260
493	28/01/2021	Dam site Siglo-2 (File-3)	2020-21	44,840,531
494	28/01/2021	Dam site Siglo-2 (File-2)	2020-21	30,412,764
495	11/02/2021	Barseen Baily Bridge Right Side (File-II)	2020-21	8,121,145
496	11/02/2021	Siglo-2 File-2	2020-21	3,906,508
497	11/02/2021	Sazin Limit to Sazin Nala PT-01	2020-21	1,926,201
498	11/02/2021	Barseen Baily Bridge Right Side (File-III)	2020-21	1,074,343
499	11/02/2021	Kaigah Quarry Area-II	2020-21	55,574,343
500	11/02/2021	Siglo-2 File-1	2020-21	54,605,040
501	11/02/2021	Baily Bridge Barseen /Koma Site-01	2020-21	14,764,410
502	11/02/2021	Gobar Nallah to Shukrait Nallah	2020-21	14,737,030
503	11/02/2021	Dam Site Siglo-2 File-1 (Additional Funds)	2020-21	640,769
504	22/02/2021	Siglo-3 File-1	2020-21	63,143,402
505	22/02/2021	Siglo-1 File-2	2020-21	24,788,900

506	22/02/2021	Chilashi to Looter File-1	2020-21	11,326,019
507	22/02/2021	Seer Gayal RAR-II (Addl funds)	2020-21	13,854,021
508	25/02/2021	Shukrait Nalla to Shuri Nalla Reserviour	2020-21	1,284,760
509	25/02/2021	Lor Sazeen Das limit to Sazeen Nallah (Part-1)	2020-21	35,748,740
510	25/02/2021	KKH-02, End Point to Sazeen Das Limit	2020-21	738,218
511	25/02/2021	Bairlo Warisabad Reserviour area	2020-21	103,118,860
512	25/02/2021	Barseen Nallah Reserviour area	2020-21	7,288,104
513	25/02/2021	Barseen Dumping and reserviour area-1	2020-21	16,914,767
514	25/02/2021	Gadair Reservoir area File-1 (Part-1)	2020-21	2,244,452
515	08/03/2021	(LoR) Shukrait Nallah to Shuri Nallah (Addl. Land)	2020-21	933,935
516	08/03/2021	Access road to Resettlement site, Khoshi (Addl. Land)	2020-21	2,460,379
517	08/03/2021	Doga End Point to Gayal Nala (File-3)	2020-21	1,801,711
518	08/03/2021	LoR Shukrait Nallah to Shuri Nallah	2020-21	26,291,368
519	08/03/2021	Gadeer Reserviour Area File-1 Part-2	2020-21	7,956,592
520	22/03/2021	Siglo-2 File-1(Addl Funds)	2020-21	23,461,454
521	22/03/2021	Summer End Point to Lachi Limits	2020-21	2,768,137
522	23/02/2021	Gadeer Reservoir area File-4	2020-21	1,100,102
523	23/02/2021	LoR Lachi Nala-5	2020-21	84,695
524	02/03/2021	Sigloo-2 File-3 (addl funds)	2020-21	20,940,413
525	02/03/2021	Lachi Reservior area File-5 (addl funds)	2020-21	5,164,145
526	02/03/2021	LoR Summar Nala to SazinLimit (addl funds)	2020-21	2,841,918
527	02/03/2021	LoR Lachi Nala-4	2020-21	8,360,214
528	02/03/2021	Sazeen Das Limit to Sazeen Nallah Part-III	2020-21	5,066,168
529	02/03/2021	Gumoon Start point to Gumoon end point	2020-21	1,049,991
530	07/04/2021	Komila Bypass File-1	2020-21	7,465,688
531	26/04/2021	Sazeen Das Reservoir Area-1	2020-21	33,526,212
532	26/04/2021	Gumoon Start Point to Gumoon End Point	2020-21	6,110,097
533	26/04/2021	Gadeer Reserviour Area File-4	2020-21	573,608
534	21/04/2021	Siglo-1 File-1	2020-21	234,022,257
535	21/04/2021	Kotgal to Dundar Start point Reservoir area	2020-21	64,550,544
536	21/04/2021	Gadeer Reservoir Area-2	2020-21	7,422,542
537	21/04/2021	Lachi Nallah File-1	2020-21	36,613,879
538	21/04/2021	Sazin Das Reservoir File-1	2020-21	29,683,764
539	21/04/2021	Lachi Nallah File-3	2020-21	26,641,326
540	21/04/2021	Lachi Nala File-2	2020-21	19,220,242
541	21/04/2021	Sazen Das Reservoir Area-2	2020-21	12,081,737
542	21/04/2021	Sazin Das Limit to Sazin Nala Part-3	2020-21	4,502,500
543	30/04/2021	Gayal / Kanda Reservoir Area	2020-21	156,734
544	30/04/2021	Dogah Nallah to Gayal Limits (File-2)	2020-21	202,894
545	30/04/2021	Bairlo Warisabad Reservoir Area	2020-21	23,378,602
546	30/04/2021	Barseen Contractor Camp-1	2020-21	890,585
547	30/04/2021	Dogah Nallah to Gayal Limits (File-1)	2020-21	19,152,654
548	30/04/2021	Dogah Nallah to Geyal Limits (File-3)	2020-21	943,731
549	30/04/2021	Gul-e-Bagh Reservoir Area	2020-21	63,777,264
550	30/04/2021	Barseen Nallah Reservoir Area	2020-21	530,647
551	30/04/2021	Gayal Nallah to Kandia Bridge Reservoir Area	2020-21	56,316,060
552	30/04/2021	Nala to Gayal Limits (File-2)	2020-21	8,574,388
552	20/05/2021	Dandar Reservior Area	2020-21	21,458,126
553	06/05/2021	Komila Bypass File-3	2020-21	33,028,709
554	31/05/2021	Slich Bridet to Kotgal Reservoir Area	2020-21	3,263,215
555	31/05/2021	KKH-01 Additional Land Sliding Area at K-3 tunnel	2020-21	1,960,822
556	31/05/2021	KKH-01 Additional Land Bar Chuchang	2020-21	1,754,953
557	31/05/2021	Additional land Wapda Colony Chuchang	2020-21	1,154,090
558	31/05/2021	Natbail to Slich Bridge	2020-21	93,962,656
559	31/05/2021	Milar to Dogah Nallah File-2	2020-21	53,466,312
560	31/05/2021	Millar to Dogah Nallah (File-1)	2020-21	20,784,397
561	31/05/2021	Milar to Dogah Nallah File-3	2020-21	7,451,071
562	31/05/2021	Lachi Nala File-2	2020-21	178,452
563	31/05/2021	Millar to Dogah (FILE-3)	2020-21	3,199,854
564	31/05/2021	Dogah Nallah to Gayal Limit (File-2)	2020-21	837,835
565	31/05/2021	KKH-01 Additional Land K-3 Tunnel Sliding Area	2020-21	64,674
566	19/05/2021	Addl. Land Kumaro Nallah	2020-21	530,880
567	18/06/2021	Milar Reservoir Area	2020-21	116,825,717
568	18/06/2021	Salich Bridge to Kotgal	2020-21	81,366,218
569	18/06/2021	Natbail to Bair Kandia Reservoir Area	2020-21	47,982,311
570	18/06/2021	Siglo-1 File-1	2020-21	5,631,974
571	18/06/2021	Gadeer Reservoir Area (File-1) Part-1	2020-21	489,022
572	28/06/2021	Kotgal-2 Kandia Reservoir	2020-21	23,325,036
573	28/06/2021	Baily Bridge Barseen Komah Site-1	2020-21	15,120,314
574	28/06/2021	Jhali Nallah to Komah Nullah	2020-21	10,729,419
575	28/06/2021	Milar Reservoir Area	2020-21	8,239,075
576	28/06/2021	Dandar Reservoir Area	2020-21	7,839,952
577	28/06/2021	Dogah End Point to Gayal (File-3)	2020-21	5,504,587
578	28/06/2021	Dogah Nala to Gayal Limit (File-1)	2020-21	5,498,698

579	28/06/2021	Dogah End Point to Gayal Nallah (File-2)	2020-21	4,491,472
580	28/06/2021	Gayal Nallah to Kandia Bridge	2020-21	3,482,384
581	28/06/2021	Dogah Nullah to Gayal Limit (File-3)	2020-21	3,350,143
582	28/06/2021	Kotgal to Dandar	2020-21	3,093,261
583	28/06/2021	Kishu Karh to Millar	2020-21	2,942,397
584	28/06/2021	Gumoon Start point to Gumoon End Point	2020-21	2,712,472
585	28/06/2021	Narbeer to salich bridge	2020-21	2,515,107
586	28/06/2021	Natbail to Bair Kandia Reservoir Area	2020-21	1,939,387
587	28/06/2021	Milar to Dogah Nallah (File-1)	2020-21	1,733,964
588	28/06/2021	Dogah Nallah to Gayal Limit (File-4)	2020-21	1,427,152
589	28/06/2021	Gayal / Kanda Reservoir Area	2020-21	1,413,808
590	28/06/2021	Salich Bridge to Kotgal	2020-21	1,349,024
591	28/06/2021	Warisabad Bairlo	2020-21	860,730
592	28/06/2021	Gumoon End Point to Uthoor Nullah	2020-21	773,035
593	28/06/2021	Milar to Dogah Nullah File-2	2020-21	676,286
594	28/06/2021	WAPDA Colony Addl. Land	2020-21	98,840
595	28/06/2021	Barseen Nallah Reservoir Area	2020-21	28,333
596	28/06/2021	Milar Reservoir Area	2020-21	26,104,060
597	28/06/2021	Dogah Nala to Gayal Limit File-1	2020-21	25,356,410
598	28/06/2021	Dandar Reservoir Area	2020-21	16,440,940
599	28/06/2021	Milar to Dogah Nallah (file-2)	2020-21	14,783,790
600	28/06/2021	Milar to Dogah Nullah (File-3)	2020-21	14,258,380
601	28/06/2021	Kotgal to Dandar Area	2020-21	9,686,560
602	28/06/2021	Dogah End Point to Gayal Nullah File-3	2020-21	9,593,500
603	28/06/2021	Salich Bridge to Kotgal Reservoir Area	2020-21	8,525,340
604	28/06/2021	Gayal Nullah to Kandia Bridge Area	2020-21	6,766,260
605	28/06/2021	Milar to Dogah Nallah (File-1)	2020-21	5,482,930
606	28/06/2021	Natbail to Salich Bridge Kandia Reservoir Area	2020-21	8,360,630
607	28/06/2021	Bairlo Warisabad Area	2020-21	4,900,580
608	28/06/2021	Natbail to Bair Reservoir Area	2020-21	3,154,650
609	28/06/2021	Barseen Nallah Reservoir Area	2020-21	3,033,900
610	28/06/2021	Gumoon Start point to Gumoon End Point	2020-21	2,752,950
611	28/06/2021	Dogah Nullah to Dogah End Point Reservoir Area File-3	2020-21	2,488,010
612	28/06/2021	Komila Bypass (File-3)	2020-21	1,733,200
613	28/06/2021	Dogah End Point to Gayal Nallah File-2	2020-21	1,034,960
614	28/06/2021	Kotgal-2 Kandia Reservoir Area	2020-21	424,790
615	28/06/2021	Siglo-2 File-1	2020-21	291,960
616	28/06/2021	Gayal / Kanda Reservoir Area	2020-21	178,770
617	28/06/2021	Dogah Nullah to gayal Limits (File-2)	2020-21	16,000
618	28/06/2021	Komila byPass File-3	2020-21	194,922
619	28/06/2021	Siglo01 (File-1)	2020-21	74,067
	-	Total Amount Released in FY 2020-21		13,126,462,656
620	10/08/2021	Barseen Contractor Camp-1	2021-22	14,653,970
621	10/08/2021	Millar to Dogah Nullah File-2	2021-22	1,960,517
622	10/08/2021	Siglo Blasting Area	2021-22	540,569
623	23/09/2021	Kishu Karh Reservoir Area	2021-22	187,024,120
624	23/09/2021	Access road to Grid Station At Kuz Chuchang	2021-22	9,518,488
625	30/08/2021	Kotgal-2 Kandia Reservoir area	2021-22	15,448,737
626	10/09/2021	KKH-01 Additional Land (Bar Chuchang)	2021-22	2,983,172
627	10/09/2021	KKH-01 Additional Land (Area-3) at Chuchang	2021-22	1,400,083
628	10/09/2021	New Additional KKH-01 Land Area-2	2021-22	1,091,677
629	10/09/2021	Kishu Karr Reservoir Area	2021-22	364,954
630	07/10/2021	Additional Land for WAPDA colony Chuchang	2021-22	596,368
631	07/10/2021	Access road to Grid Station At Kuz Chuchang	2021-22	375,256
632	07/10/2021	KKH-01 Addl Land Area-3 Chuchang	2021-22	91,504
633	15/10/2021	KKH-01 Additional Land Area-4A & 4B at Chuchang	2021-22	4,571,140
634	15/10/2021	KKH-01 Additional Land Area-4 at Chuchang	2021-22	3,070,090
635	18/10/2021	KKH-01 Additional Land (E-15) Khushi	2021-22	20,629,641
636	18/10/2021	KKH-01 ADDITIONAL LAND E-3/ ZERO POINT	2021-22	131,715
637	18/10/2021	KKH-01 Additional Land K-15 Tunnel Area 03B	2021-22	100,762
638	18/10/2021	KKH-01 ROW Additional Land Area-16	2021-22	19,125,711
639	22/10/2021	KKH-01 Additional Land E-4 (C) Uchar Nala (Area 4C)".	2021-22	60,457
640	22/10/2021	KKH-01 ROW ADDITIONAL LAND-3 AREA-16	2021-22	124,964
641	22/10/2021	KKH-01 ADDITIONAL LAND AREA-4 CHUCHANG	2021-22	115,948
642	22/10/2021	KKH-01 ADDITIONAL AREA 4A & 4B CHUCANG	2021-22	91,840
643	22/10/2021	KKH-01 AREA-14 AFTER UCHAR NULLAH	2021-22	43,540
644	22/10/2021	KKH-01 ADDITIONAL LAND K-15 TUNNEL AREA 03B	2021-22	34,832
645	22/10/2021	KKH-01 ADDITIONAL Land E-4 (C) UCHAR NUALL (AREA 4C)	2021-22	16,128
646	22/10/2021	KKH-02 (SAZEEN)	2021-22	79,596,249
647	22/10/2021	KKH-02(SHUKAIT NULLAH TO SHURI NULLAH)	2021-22	77,259,081
648	22/10/2021	KKH-02(SHURI NULLAH TO SUMMER NULLAH)	2021-22	34,257,666
649	22/10/2021	KKH-02(SHUKRAIT NULLAH TO SHURI NULLAH)	2021-22	28,464,733
650	22/10/2021	KKH-02 ADDITIONAL LAND (SUMMER NULLAH)	2021-22	22,982,784
651	22/10/2021	KKH-02 ADDITIONAL LAND (SHURI NULLAH TO SUMMER NULLAH)	2021-22	18,146,725

652	22/10/2021	KKH-02 ADDITIONAL LAND (LOOTER TO SUKRAIT NULLAH) Area-2	2021-22	14,680,369
653	04/11/2021	KKH-02 (Summarnala)	2021-22	60,757,874
654	04/11/2021	KKH-01 Additional Land Location-II (Khoshi)	2021-22	3,619,495
655	04/11/2021	KKH-01 Additional Land Area-3 Chuchang	2021-22	196,219
656	04/11/2021	KKH-01 Additional Land (A-05)	2021-22	1,213,353
657	25/11/2021	KKH-02 (Addl Land) Kaigah to Awai Area-2	2021-22	24,840,913
658	25/11/2021	KKH-02 (Addl Land) Looter to Shukrait Nallah Area-1	2021-22	17,763,573
659	25/11/2021	KKH-01 Addl Land A-14 after Uchar Nala	2021-22	4,527,929
660	09/12/2021	Siglo 1 File 1	2021-22	3,117,753
662	25/11/2021	Kaigah to awai Addl Land KKH 2 File 1	2021-22	101,524,072
663	09/12/2021	KKH 2 Kaigah to Awai Additional Land 2	2021-22	715,459
664	09/12/2021	Access Road to logro tunnel outlet	2021-22	258,623
665	09/12/2021	KKH-02 Summar Nala	2021-22	405,418
666	09/12/2021	KKH-02 Shukrait Nallah to Shuri Nallah	2021-22	2,309,870
667	09/12/2021	KKH-02 addl. Land (Looter to Shukrait Nallah)	2021-22	38,600
668	09/12/2021	KKH-01 (Addl Land) A-01	2021-22	4,361,405
669	09/12/2021	Access Road to Logro Tunnel Outlet Portal	2021-22	7,398,588
670	09/12/2021	KKH-02 Addl Land Shuri	2021-22	5,247,015
671	09/12/2021	KKH-01 ADDL. LAND AREA-5	2021-22	16,492
672	09/12/2021	KKH-01 NEW ADDL. LAND AREA-2 AT LARGANI	2021-22	17,052
673	09/12/2021	KKH-01 ADDL. LAND (A-01)	2021-22	57,372
674	29/12/2021	KKH-02 (Sazeen Area)	2021-22	4,665,900
675	29/12/2021	KKH-02 (Summar Nala)	2021-22	587,380
676	29/12/2021	KKH-02 Shurinala to Summar Nala	2021-22	2,402,887
677	29/12/2021	KKH-II Addl Land Shurinala to Summar Nala	2021-22	825,429
678	29/12/2021	KKH-01 Additional Land E-15 (Khushi)	2021-22	744,856
679	29/12/2021	KKH-01 Additional Land Location-II (Khushi)	2021-22	26,040
680	20/01/2022	KKH-02 Addl. Land (Awai to Looter)	2021-22	18,648,652
681	20/01/2022	KKH-02 ADDITIONAL LAND SAZEEN	2021-22	23,112,997
682	20/01/2022	KKH-02 ADDITIONAL LAND KAIGA TO AWAI AREA-2 (PART-A)	2021-22	1,685,377
683	20/01/2022	KKH-02 Looter to Shukrait Nala	2021-22	188,430
684	20/01/2022	KKH.02 Summer Nala	2021-22	4,952,713
685	20/01/2022	KKH.02 SAZEEN	2021-22	1,183,184
686	20/01/2022	KKH.02 Shukrait Nala To Shuri Nala	2021-22	940,684
687	20/01/2022	KKH.02 Additional Land Looter to Shukrait Nala Area.2A	2021-22	506,790
688	20/01/2022	KKH.02 Additional Land Shukrait Nala To Shuri Nala	2021-22	313,204
689	20/01/2022	KKH.02 Additional Land Summer Nala	2021-22	309,756
690	20/01/2022	KKH.02 Addiotional Land Looter To Shukrait Nala Area.1A	2021-22	263,788
691	20/01/2022	KKH.02 Additional Land Awai To Looter (Part.1)	2021-22	181,098
692	20/01/2022	KKH.02 Additional Land Looter To Shukrait Nullah Area.2B	2021-22	166,203
693	20/01/2022	KKH.02 (Shuri) Additional Land	2021-22	109,184
694	20/01/2022	KKH.02 Additional Land AWAI TO LOOTER (PART.2)	2021-22	109,117
695	20/01/2022	KKH.02 Looter To Shukrait Nala (Area.1, Part-B)	2021-22	75,942
696	20/01/2022	KKH.02 (Looter)	2021-22	9,938
Total Amount Released in FY 2021-22				**859,950,414**
Total Amount in PKR Released				**22,924,442,694**

5.3 Details of Interim Payment Certificates

Up to this month, status of Interim Payments Certificates (IPC) has been issued and the work executed is presented as in Appendix-F.

5.4 Details of Claims/Notifications

The Consultants continue to record and evaluate Claims for additional cost and Varied Works from the Contractors. The detail of the Claims submission and status of Contractors Claim Notifications up to this month is given in Appendix-G.

5.5 Variations Status

Status of Issued and proposed Variation up to this month is presented in Appendix-H.

5.6 Contract Information and Status of Guarantee & Insurance

The detail of the project completion dates along with EOT is given in Appendix-I named *"Contract Information"* and status of each Contract Guarantee & Insurance is given in Appendix-J named *"Status of Guarantee and Insurance"*.

6 OHS MANAGEMENT ACTIVITES

6.1 Incident Statistics and Description for the Reporting Month

A – Recordable Injuries (Work Related)

Contract Package	Incident Category								Total Incidents till Reporting Month (A+B)
	To End Previous Month				During Reporting Month				
	Fatal	LTI	MTC	Total (A)	Fatal	LTI	MTC	Total (B)	
KKH-01	1	9	8	18	0	1	0	1	**19**
KKH-02	1	0	1	2	0	0	0	0	**2**
RAR-01	1	8	4	13	0	0	0	0	**13**
RAR-02	0	1	1	2	0	0	2	2	**4**
132kV TL	3	1	0	4	0	0	0	0	**4**
MW-01	2	48	6	56	0	2	0	2	**58**
MW-02	1	17	4	22	0	1	0	1	**23**
LBRV-11 &12	2	1	1	4	0	0	0	0	**4**
PCI-01R	3	8	1	12	0	0	0	0	**12**
Dasu-RV	1	0	0	1	0	0	0	0	**1**
LADP-IKAN	0	1	0	1	0	0	0	0	**1**
LADP-RHC	0	1	0	1	0	0	0	0	**1**
DHC	0	6	3	9	0	2	0	2	**11**
PMU	0	1	0	1	0	0	0	0	**1**
Total	**15**	**102**	**29**	**146**	**0**	**6**	**2**	**8**	**154**

B – Personal Injury (Non- Work Related)

Contract Package	Incident Category								Total till Reporting Month (A+B)
	To End Previous Month				During Reporting Month				
	Fatal	LTI	MTC	Total (A)	Fatal	LTI	MTC	Total (B)	
KKH-01	0	0	0	0	0	0	0	0	**0**
KKH-02	0	0	0	0	0	0	0	0	**0**
RAR-01	1	0	1	2	0	0	0	0	**2**
RAR-02	0	0	0	0	0	0	0	0	**0**
132kV TL	0	0	0	0	0	0	0	0	**0**
MW-01	1	3	0	4	0	0	0	0	**4**
MW-02	1	1	0	2	0	0	0	0	**2**
LBRV-11 &12	0	0	0	0	0	0	0	0	**0**
PCI-01R	0	0	0	0	0	0	0	0	**0**
Dasu-RV	0	0	0	0	0	0	0	0	**0**
LADP-IKAN	0	0	0	0	0	0	0	0	**0**
LADP-RHC	0	0	0	0	0	0	0	0	**0**
DHC	0	0	0	0	0	0	0	0	**0**
PMU	0	0	0	0	0	0	0	0	**0**
Total	**3**	**4**	**1**	**8**	**0**	**0**	**0**	**0**	**8**

C – Machinery Damage

Contract Package	Incident Category						Total Incidents till Reporting Month (A+B)
	To End Previous Month			During Reporting Month			
	Major Damage	Minor Damage	Total (A)	Major Damage	Minor Damage	Total (B)	
KKH-01	17	13	30	0	0	0	**30**
KKH-02	0	2	2	0	0	0	**2**
RAR-01	4	3	7	0	0	0	**7**
RAR-02	0	1	1	0	0	0	**1**
132kV TL	0	2	2	0	0	0	**2**
MW-01	6	18	24	0	0	0	**24**
MW-02	3	7	10	1	0	1	**11**
LBRV-11/12	1	6	7	0	0	0	**7**
PCI-01R	0	1	1	0	0	0	**1**
DHC	3	6	9	0	0	0	**9**
Total	**34**	**59**	**93**	**1**	**0**	**1**	**94**

6.1.1 Description of Incidents/Accidents (Work Related)

Date of Incident	Location	Activity	Contract	Description of Incident	Category	Body Parts Effected	Reporting/ Corrective Action	Status
31st Jan, 2023	CR-02 Steel Workshop	Welding /Cutting	MW-01	A worker was cutting 32mm steel bar with rebar cutting machine. At about 12:00hrs, the cutting machine got blocked and worker tried to remove the steel bar manually but failed. He tried to use an angle grinder to release the steel bar by cutting, but the disk of grinder broke and a splint of disk hit the worker's hand.	LTI	Hand	RCA and CAP awaited	Open
28th Jan, 2023	Seo RD 13+201	Natural	RAR-02	FC guard was on duty with Chinese expat staff at site. At about 15:00hrs, he stepped out of the vehicle to accompany the expat when a small stone fell from the slope and	MTC	Head	RCA and CAP awaited	Open

				hit his head. He was referred to RHC Dasu where doctor stitched his wound.				
26th Jan, 2023	K9 Tunnel Workshop	Manual handling	KKH-01	The welders were manually loading girders in the bucket of load. At around 09:30hrs, a girder slipped from the bucket and hit a welder on his right foot. After the first aid at K9, IP was referred to DHQ Dasu. The DHQ doctor conducted X-ray test and found a fracture in the toe of his right foot.	LTI	Foot	RCA and CAP awaited	Open
25th Jan, 2023	Powerhouse	Grouting	MW-02	A grouting foreman was engaged in grouting operation in Powerhouse. At around 02:00hrs, the valve joint of grouting pipe got splintered and high-pressure grout spurted out towards IP's left hand resulting in injury to left hand palm near finger. After the first aid at K9, IP was referred to DHQ Dasu. The DHQ Doctor examined him and referred to Abbottabad for scan and further treatment.	LTI	Hand	RCA and CAP awaited	Open
25th Jan, 2023	New Crushing Plant	Manual handling	MW-01	5 workers were engaged in stone masonry work. They were relocating stones from slope to make a boundary wall. At around 15:00hrs, while one worker tried to pick up a stone, another stone rolled down the slope and hit the worker on right hand little finger resulting in amputation. The IP was shifted to Uchar first aid station for treatment and was later referred to Abbottabad for further treatment.	LTI	Finger	RCA and CAP awaited	Open
21st Jan, 2023	Ghyal Access Road	Drilling	RAR-02	At around 1400hrs, during drilling operation a small stone fell down and hit a translator on his head. The IP was given first aid at site and shifted to RHC Dasu for further treatment. At RHC, the doctor stitched his wound and discharged him.	MTC	Head	RCA and CAP awaited	Open
17th Jan, 2023	KKH	Travelling	DHC	DHC Geology section left for mapping of RAR-02 in Vigo DD-044. Four passengers were traveling in the vehicle. At around 10:00hrs, they were traveling close to K31 when the vehicle skidded off black ice on the road and driver lost control, resulted in roll over of vehicle. The passengers were rescued with the help of KKH-02 Contractor and were transported to DHQ Dasu and latter referred to Abbottabad for further treatment. IP 1 got a fracture on his right shoulder and IP 2 got a fracture on his right hand. Passenger 3 got minor injury on his back. The driver remained unharmed.	LTI (2)	Hand and shoulder	RCA submitted via email dated 29th Jan, 2023	Open

6.1.2 Description of Incidents/Accidents (Machinery Damage)

Date of Incident	Location of Incident	Contract	Description of Incident	Category	Corrective Action	Status
28th Jan, 2023	CR-09	MW-02	At around 10:00hrs, the driver of the water tanker switched the ignition of the tanker on and put the transmission in neutral. As he changed the transmission, the tanker started moving on its own down the inclined road and rolled over after colliding with the shotcrete slope of mountain.	Major	RCA and CAP awaited	Open

6.1.3 Description of Incidents (Health & Hygiene)

Date of Incident	Location	Activity	Contract	Description of Incident	Category	Classification of injury	Reporting/ Corrective Action	Status
29th Jan, 2023	K4 Camp	Lunch Break	KKH-01	After eating lunch at K4 camp mess hall, 53 workers suffered from food poisoning and were treated in the first aid station. CCECC management called in additional medical resources from the RAR-01 to deal with the medical emergency.	Ill Health	Food poisoning	RCA and CAP is awaited	Open

6.1.4 Key Performance Indicators – During Reporting Month

Table 6.1: Key Performance Indicators during Reporting Month

Metrics	PMU	DHC	RAR-01	KKH-01	TL-01	MW -01	MW-02	PCI-01	RAR-02	KKH-02	EM-01	DHPP Monthly Total	Target for 2023
Number of Staff/Workers	309	450	105	711	41	1723	1653	312	104	270	93	5771	
Recordable Injuries & Illness (RI)	0	2	0	1	0	2	1	0	2	0	0	8	
Incidence Rate (TRIR, monthly) *	0	0.37	0	0.11	0	0.09	0.05	0	1.60	0	0	0.1	
TRIR (Year-to-date)													0.8*1
Fatality Case	0	0	0	0	0	0	0	0	0	0	0	0	
Fatality Frequency Rate (FFR)	0	0	0	0	0	0	0	0	0	0	0	0	
Lost time injuries (LTI)	0	2	0	1	0	2	1	0	0	0	0	6	
LTI Frequency Rate (LTIFR monthly)**	0	0.37	0	0.11	0	0.09	0.05	0	0	0	0	0.08	0.5*2
First-Aid Cases (FAC)	0	0	0	7	1	2	0	3	0	0	0	13	
FAC frequency rate (FACFR, monthly)	0	0	0	0.82	2.03	0.09	0	0.80	0	0	0	0.18	
Medical Treatment Cases (MTC)	0	0	0	0	0	0	0	0	2	0	0	2	
MTC frequency rate (MTCFR, monthly)	0	0	0	0	0	0	0	0	1.60	0	0	0.02	
Near-miss Incidence (NMI, monthly)	0	0	0	5	0	1	0	4	0	0	0	10	
NMI Investigated & corrective actions taken	0	0	0	5	0	1	0	3	0	0	0	9	
COVID19 cases	0	0	0	0	0	0	0	0	0	0	0	0	
COVID-19 per 100 workforces (CFR)	0	0	0	0	0	0	0	0	0	0	0	0	
No of OHS AFI attended by DHC	0	0	1	12	0	7	7	0	1	0	0	28	
No. of AFI approved	0	0	1	6	0	7	7	0	0	0	0	21	
No. of OHS EI issued by DHC	0	0	0	0	0	0	0	0	0	0	0	0	
NO of EI Closed	0	0	0	0	0	0	0	0	0	1	0	1	
% of OHS EI closed	0	0	0	0	0	0	0	0	0	0	0	0	
No. of OHS Training	0	6	4	16	3	142	201	2	60	4	4	446	
Training (No. Attendees)	0	81	49	107	43	1919	1817	26	701	168	54	4965	
No. of OHS NCR issued	0	0	0	0	0	0	1	0	1	0	0	2	
No. of OHS NCR closed	0	0	0	2	0	3	0	0	0	0	0	5	
No. of Toolbox Talks (TBT) by Contractors	0	0	35	37	20	487	495	12	68	155	14	1323	
TBT Participants of Contractors	0	0	512	229	203	3896	3465	84	274	1240	728	10631	
No of OHS walk-through-Inspections by													
Contractor Management/ Senior Staffs	0	0	0	8	0	5	5	6	5	4	0	33	
DHC Management/ Senior Staffs	0	0	0	1	1	1	2	1	1	2	0	9	
DHC Supervisors	0	0	0	9	0	16	10	2	3	4	0	44	
Contractor Supervisors	0	0	0	155	0	31	31	11	31	180	0	439	
Unsafe Acts identified by DHC	0	0	0	4	0	41	10	3	5	5	0	68	
Unsafe Conditions identified by DHC	0	0	0	38	0	45	33	9	9	1	0	135	
No of Joint Inspections Conducted	0	0	0	1	1	1	2	1	1	2	0	9	

*1 DHPP TRIR assumed Target for 2023 is 0.8 based on IR for the year 2022, *2 DHPP Lost Time Injury Frequency Rate (LTIFR) Target 2023 is 0.5 based on LTIFR for the year 2022, *3 % NMI Closer Target within 30 days, *4 COVID-19 Frequency Rate (number of cases per 100 workers/staffs)

$$* \text{ IR} = \frac{Recordable\ Incidences}{Total\ man\ hours\ worked\ per\ month} * 16{,}000$$

***Please Note:**

No data reported from LBRV11/12 as it is in handover phase.

6.2 Safety Performance

In January 2023, 6 LTIs, 2 MTCs and 13 first aid cases were recorded.

6.2.1 Injuries and Illness Performance

Total recordable injury and illness during the reporting month were six LTIs, two Medical Treatment Cases and one Motor Vehicle Case. Out of which, two LTIs each at DHC & MW-01, one LTI each at KKH-01 & MW-02 and two MTCs at RAR-02 were reported. As a consequence, monthly TRIR, LTIFR & MTCFR of DHPP for January 2023 are estimated as 0.1, 0.08, and 0.02, respectively.

6.2.2 Unsafe Condition, Unsafe Act and Near-Miss

68 unsafe acts, 135 unsafe conditions and 09 good practices were identified during the reporting month. Most of UA, UC are related to MW-01, MW-02 and KKH01 contracts.

6.2.3 Monthly OHS Progress Review Meeting

Below table presents the overall status of monthly OHS MOM for reporting month. All Contractors were instructed to close the remaining issues as soon as possible.

Table 6.2: Status of Outcomes Monthly Progress Review Meeting

Sl.	Contract	OHS MoM Status during reporting month				
		Total	Open	Partially closed	Closed	New Items added
1.	MW-01/02	19	10	1	5	3
2.	RAR-01	10	2	0	6	2
3.	RAR-02	9	5	0	1	3
4.	KKH-01	17	6	0	7	4
5.	KKH-02	15	7	0	2	6
6.	PCI-01	9	1	1	4	3
7.	TL-01	9	1	1	4	3
Total		**88**	**32**	**3**	**29**	**24**

***Please Note:** No data reported from LBRV11/12 as it is in handover phase.

6.2.4 Status of NCRs

The contract-wise status of NCRs can be seen in Table 6.3.

Table 6.3: Status of NCRs since commencement of Project

Contracts	Previous Open	Open in April	Previous Closed	Closed during reporting month	Total
KKH-01	1	0	4	2	**7**
RAR-01	1	0	6	0	**7**
TL-01	1	0	2	0	**3**
MW-01/02	2	1	41	3	**47**
PCI-01R	2	0	15	0	**17**
LBRV-11/12	0	0	2	0	**2**
RAR-02	0	1	2	0	**3**
LADP SA-01	1	0	0	0	**1**
LADP JMK	0	0	1	0	**1**
Total	**8**	**2**	**73**	**5**	**88**

6.2.5 Joint Site Inspection by PMU, DHC, and Contractors:

OHS team of DHC conducted seven joint inspections along with PMU and contractors. The results are shared with all stakeholders. Joint inspection revealed significant improvements. Good observations were noted and the contractors were directed to improve the enhancement measures and continue good practices at sites. The summary of joint inspection is presented in the Table below.

Sl. No	Contract	No. of Joint Inspection by DHC, WAPDA & Contractors	No. of Joint Inspection by DHC & Contractors	Total
1.	MW-01/02	1	2	3
2.	RAR-01	0	0	0
3.	RAR-02	0	1	1
4.	KKH-01	0	1	1
5.	KKH-02	1	1	2
6.	PCI-01	0	1	1
7.	TL-01	0	1	1
8.	EM-01	0	0	0
Total		**2**	**7**	**9**

6.2.6 Training and Capacity building:

Training is a key element in construction projects to enhance a practical skill or behaviour of workforce in order to obtain optimum result and to prevent hazards, its associated risk and accidents/fatalities at workplace. This practice gradually increases the individual level of self-awareness, proficiency skill and motivation to perform his job well. Therefore, WB, PMU and DHC primarily emphasized on regular training program for the DHC, PMU and Contractors staff. Detail of trainings delivered by DHC OHS staff is described below:

Sl. No.	Trainings arranged by DHC				
	Date of Training	Subject of Training	Trainer	Target Group	No. of Participants
1.	January 29, 2023	Safe Driving Awareness	Mr. Muhammad Ali (Plant & Equipment Assessor)	DHC Drivers	16
2.	January 26, 2023	Induction Training	Mr. Ibrahim (OHS Professional)	DHC New Employee	1

Sl. No.	Trainings arranged by DHC				
	Date of Training	Subject of Training	Trainer	Target Group	No. of Participants
3.	January 19, 2023	Induction Training	Mr. Neil Napoleon (Resident OHS Lead)	External Auditor BBQI	4
4.	January 18, 2023	Induction Training	Mr. Neil Napoleon (Resident OHS Lead)	NK Auditors	3
5.	January 18, 2023	Dam Construction Safety – Phase 1	Dr. Masud Karim (OHS Expert/Advisor)	CGGC, DHC and PMU	37
6.	January 12, 2023	Incident Investigation & Root Cause Analysis	Dr. Masud Karim (OHS Expert/Advisor)	Contractor OHSOs & Report Reviewers	24
Total					**85**

6.2.7 Plant and equipment Inspection

The contract-wise status of plant and equipment inspection can be seen in the below table

Contract Package	Total Inspections Conducted till December-22		Total Inspection Conducted During Reported Period														Total Inspections Conducted till January-23	
			Light Vehicles		Dump Trucks		Excavators		Jumbo and Conventional Drills		Shotcrete Jumbo Machines		Bucket Loaders		Other			
	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized
KKH-01	**18**	**8**			2	1							1			1	**21**	**10**
KKH-02	**29**	**5**	1		1												**31**	**5**
RAR-01	**28**	**4**			1	1	1	1									**30**	**6**
RAR-02	**1**	**1**															**1**	**1**
132kV TL	**18**	**3**															**18**	**3**
MW-01	**11**	**2**			1	1	1										**13**	**3**
MW-02	**86**	**10**			3	3					1		2		1		**93**	**13**
PCI-01R	**14**	**0**															**14**	**0**
EM01	**10**	**1**															**10**	**1**
DHC	**62**	**10**	14	3													**76**	**13**
Total	**277**	**44**	**15**	**3**	**8**	**6**	**2**	**1**	**0**	**0**	**1**	**0**	**3**	**0**	**1**	**1**	**307**	**55**

6.2.8 Covid-19 Cases

The contract-wise status of cases for the reporting month can be seen in the below table

Sl.	Organization	Number of Employees	Previous Cumulative Positive Cases till Date (A)	Positive Cases Reported this Month (B)	Total Number of Deaths till Date	Cumulative Positive Cases till Date (A+B)
1.	WAPDA	309	13	0	1	13
2.	DHC	450	84	0	0	84
3.	MW-01 and MW-02, KKH-02, RAR-02	3750	124	0	0	124
4.	KKH-01 & RAR-01	816	24	0	0	24
5.	PCI-01R	312	16	0	0	16
6.	TL-01	41	0	0	0	0
7.	EM-01	93	0	0	0	0
8.	Total	**5771**	**261**	**0**	**1**	**261**

6.2.9 Trainings by the Contractor

Details of trainings arranged by the Contractors are presented below:

Sl.	Contract	Number of Trainings during Oct-22	No. of Participants
1.	RAR-01	4	49
2.	RAR-02	60	701
3.	KKH-01	16	107
4.	KKH-02	4	168
5.	TL-01	3	43
6.	MW-01	142	1919
7.	MW-02	201	1817
8.	PCI-01	2	26
9.	EM-01	4	54
Total		**436**	**4884**

6.2.10 Tool-box Talks by the Contractor

During the reporting period, contractors conducted toolbox talks and trained the staff on different safety issues during TBT meetings. Details of daily TBT is described below:

Sl.	Contract	Number of daily TBT conducted by the contractors during Sep-22	No. of Participants
1.	RAR-01	35	512
2.	RAR-02	68	274
3.	KKH-01	37	229
4.	KKH-02	155	1240
5.	TL-01	20	203
6.	MW-01	487	3896
7.	MW-02	495	3465
8.	PCI-01	12	84
9.	EM-01	14	728
Total		**1323**	**10631**

6.3 General

6.3.1 High-Level OHS Management

The International Environment Advisor B/ OHS Expert has been supporting the field team in the following matters:

- Reviewed field progresses, prepared agenda for weekly OHS meetings, send Zoom invitations to all participants, attended and moderated weekly OHS meetings with DHC, PMU, and the World Bank,
- Reviewed and edited December 2022 monthly report and quarterly report of October-December 2022,
- Prepared gap analysis report between World Bank's OP4.01 and ESF of DHPP Environmental and Social Assessment, recommend gap filling measures, and prepare action plan to address those gaps. This is required for additional financing from the World Bank.
- Supported independent external auditors during the audit process in document review and field inspections in tunnels.
- Reviewed MS 356 for Removal of Loose Materials and Material Haulage of KKH-02 and MS of Starter Dam.
- Attended meetings with Resident Engineer for spoil management at KKH-02 and with Deputy Project Manager for Traffic Management.
- Field inspection to K-28, K-34, K-36, and K-42 of KKH02 to verify contractor's spoil management practices and recommend improvements especially in administrative controls (longer road closures during non-peak hours, installation of road signs with rock fall hazards etc.) by managing schedules of road closures.
- Field inspections to Starter dam identify hazards, especially movement of dump trucks, welding fumes. Instructed field staffs to maintain construction site speed limit of dump trucks and advised welders to sit in upwind side during welding to reduce welding smoke exposures.
- Supported field team with recommendations to improve excavated material management in KKH-02, such as, increased height and length of existing dyke, installation of rock net, use dump trucks for haulage of materials, etc.
- Conducted trainings on Root Cause Analysis using 5 Whys and dam construction safety for PMU, DHC and Contractors staff.
- Reviewed PR-12 Incident Investigation Forms and provide comments on RCA and recommend measures to improve 5 Whys with project specific examples, and
- Reviewed PMU concerns on DHC OHS Supervision vis-a-vis incident statistics and draft response.

6.3.2 OHS Systems and Procedures

International OHS Specialist (Systems and Procedure) was not involved in this reporting month. There is a requirement for his involvement to amend the SOP of Cofferdam construction or draft a new SOP for Dam Construction.

6.3.3 OHS Underground Works

International OHS Specialist (Underground Works) had no involvement in this reporting.

7 SOCIAL AND RESETTLEMENT MANAGEMENT ACTIVITIES

Implementation Progress of Social & Resettlement (S&R) Management Plan

Work on SRMP implementation continued during the reporting month. Major activities carried out by various S&R teams during the reporting month are summarized below:

7.1 Land Acquisition and Compensation Payment

Land Acquisition Team undertook the following tasks during the reporting month.

7.1.1 Land Acquisition Status

As per updated status of Land Acquisition obtained from the Land Acquisition Section of the Deputy Commissioner's Office, Dasu, Kohistan Upper, a total land of about 4,652 acres has been awarded / acquired by the end of December 2022. It includes 729 acres of land (Batch-1) awarded before ECNEC decision (November 2019), as well as, 12 acres of land acquired for main works through direct payments to PTDC and FWO departments, while 3,923 acres of land was acquired after ECNEC decision (after November 2019). The land awarded after ECNEC decision; includes, 380 acres land acquired through compulsory acquisition and 3,543 acres land acquired under private negotiation. Though, no new land was acquired during the reporting month, however preparations for acquiring remaining land (386 acres) remained in progress. In this regard, series of meetings were held with the Deputy Commissioner and Land Acquisition Collector, Kohistan Upper. The World Bank Team also visited DHPP and detailed meeting held with the Deputy Commissioner and LAC to expedite the acquisition of remaining land. The target date for acquiring all remaining was fixed as 5th of February 2023. Batch-wise land acquisition status by 31st January 2023 is given below.

Table 7.1: Batch-wise Status of Land Acquisition (Updated by End of Reporting Month)

Batch	Total Land To Be Acquired	Land Acquired	Remaining Land To Be Acquired	Status
Batch-1	729	729	–	Possession of 100% land has been taken over by WAPDA.
Batch-2	957	957	–	Possession of 100% land has been taken over by WAPDA.
Batch-3	1,554	1,517	37	The possession of 1,509 acres (98%) of the acquired land has been taken over. The acquisition of remaining land is under process.
Batch-4	981	981	–	Possession of 100% land has been taken over by WAPDA.
Batch-5	817	468	349	Acquisition of remaining land is under process. The possession of 221 acres (47%) of the acquired land has been taken over by WAPDA.
Total	5,038	4,652	386	The possession of 4,397 acres (95%) of the acquired land has been taken over by WAPDA

In addition to the above total (5,038 acres) land in District Upper Kohistan, about 654 acres land will be acquired in District Diamir making the total land to 5,692 acres.

7.1.2 Status of Compensation Payments

By the end of January 2023, a total amount of PKR 19.41 billion was paid, including PKR 19.07 billion to 7,889 PAPs through 11,693 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

S. No.	Components	Status upto previous month			Status during reporting month			Grand Total
		# of PAPs	# of CHQ	Amount (In Billion)	# of PAPs	# of CHQ	Amount (In Billion)	
1	All Components	7871	11671	19.05	18	22	0.020	19.07

During January 2023, an amount of PKR 20,024,312/- was paid as compensation payment to 18 PAPs of 07 components. A total of 22 cheques were issued by DC office during the reporting month. Component wise detail of payment is given in table below:

Table 7.2: Compensation Paid during the Reporting Month

S. No.	Component	PAPs	Cheques	Amount
1	KKH-02 Sazeen	1	2	8,854,737
2	Access Road to Grid Station at Kuz Chuchang	1	1	735,833
3	Access road to RS 1 Area 4 Kuz Chuchang	4	4	1,992,681
4	KKH-02 Kaigah to Awai Area-1B	6	9	6,444,485
5	KKH-02 Looter	4	4	87,124
6	Komila Bypass File -03 (Part 1 & 2)	1	1	214,481
7	KKH-01 Additional Land PTB 1 to 7	1	1	1,694,971
	Total	**18**	**22**	**20,024,312**

7.1.3 Land Revenue Survey:

Land revenue survey of almost all the components have been completed and no survey was carried out during the reporting month. Revenue record of almost all remaining components have been completed and received until the reporting month which was digitized for further process of GIS verification. Revenue survey of few components of Shatial and Herban was reconfirmed during the reporting month as per GIS observations. Following Revenue Records were received during the month of January, 2023.

S/N	Component	Received On	Submitted for GIS Verification
1	LOR Shatial Nullah to Reservoir End Point Area-5	21.12.2022	09.01.2023
2	RoR Dogah End point to Gayal Nullah Area-01	04.01.2023	07.01.2023
3	LOR Shatial Nullah to end point reservoir area-4	04.01.2023	09.01.2023
4	Lor Shatial Nullah to Reservoir end point Area-6	06.01.2023	10.01.2023
5	Shatial Nullah to Reservoir End Point File-5	10.01.2023	13.01.2023
6	Shatial Nullah to Reservoir End Point File-1	11.01.2023	13.01.2023
7	Shatial Limits to Shatial Nullah Area-2	11.01.2023	14.01.2023
8	Shatial Nullah to Reservoir End Point File-6	11.01.2023	14.01.2023
9	LOR Shatial Nullah to Reservoir End Point file-3	14.01.2023	16.01.2023
10	LOR Shatial Limits to Shatial Nullah Area-1	14.01.2023	16.01.2023

7.1.4 Cost Assessments and Verifications

Verification of cost estimates continued during the reporting month and verification of 49 components was completed and submitted to WAPDA for transfer of funds to LAC designated account. The details of cost assessments are given in Table below:

S/N	Component	Received on	Submitted On	Amount
	Land			
1	Shatial limits to Shatial Nullah Area-4	11.01.2023	14.01.2023	73,646,783.00
2	Shatial limits to Shatial Nullah Area-3	11.01.2023	14.01.2023	38,478,112.00
3	Shatial limits to Shatial Nullah Area-5	11.01.2023	14.01.2023	50,347,187.00
4	Shatial Nullah to Reservoir end point Area-4	11.01.2023	14.01.2023	30,971,258.00
5	Shatial Nullah to Reservoir end point Area-3	11.01.2023	14.01.2023	49,805,769.00
6	Shatial Nullah to Reservoir end point Area-2	11.01.2023	14.01.2023	28,805,502.00
7	Shatial Nullah to Reservoir end point Area-1	11.01.2023	14.01.2023	48,320,104.00
8	Bailey Bridge Gumoon / Looter right side area-2	11.01.2023	14.01.2023	33,920,173.00
9	Add Funds for Land bailey Bridge Gumoon / Looter right side Area-1	11.01.2023	17.01.2023	18,715,905.00
10	Additional Funds for Land in respect of Dogah End Point to Gayal Nullah Area-01	12.01.2023	17.01.2023	1,005,442.00
11	Lor Shatial Limits to Shatial Nullah Area-02	21.01.2023	25.01.2023	89,841,709.00
12	Lor Shatial Nullah to Reservoir End Point Area-06	21.01.2023	25.01.2023	27,858,405.00
13	Lor Shatial Limits to Shatial Nullah Area-01	21.01.2023	23.01.2023	167,788,211.00
14	Lor Shatial Nullah to Reservoir End Point Area-05	21.01.2023	25.01.2023	141,870,495.00
15	Lor Shatial Nullah to Reservoir End Point Area-3	21.01.2023	23.01.2023	49,760,574.00
	Fruit Trees			
1	Dogah End Point to Gayal Nullah File-1	06.01.2023	13.01.2023	28,653,450.00
2	Shatial Nullah to Harban Reservoir End point File-4	09.01.2023	11.01.2023	41,930.00
3	Shatial Nullah to Harban Reservoir End point File-3	09.01.2023	14.01.2023	1,393,630.00
4	Shatial Limits to Shatial Nullah File-5	09.01.2023	14.01.2023	196,460.00
5	Shatial Nullah to Harban Reservoir End point File-1	09.01.2023	14.01.2023	2,625,210.00
6	Shatial Nullah to Harban Reservoir End point File-2	09.01.2023	12.01.2023	634,470.00
7	Shatial to Harban End Reservoir (File-06)	12.01.2023	14.01.2023	8,786,790.00
8	Shatial Limits to Shatial Nullah File-01	20.01.2023	26.01.2023	22,896,760.00
	Non-Fruit Trees			
1	Shatial Nullah to Harban Reservoir End point File-4	09.01.2023	14.01.2023	233,765.00
2	Shatial Nullah to Harban Reservoir End point File-5	09.01.2023	14.01.2023	149,263.00
3	Shatial Nullah to Harban Reservoir End point File-3	09.01.2023	14.01.2023	389,006.00
4	Shatial Limits to Shatial Nullah File-3	09.01.2023	11.01.2023	15,786.00
5	Shatial Limits to Shatial Nullah File-5	09.01.2023	11.01.2023	79,249.00
6	Shatial Nullah to Harban Reservoir End point File-1	09.01.2023	12.01.2023	1,746,222.00
7	Shatial Nullah to Harban Reservoir End point File-2	09.01.2023	14.01.2023	311,846.00
8	Bailey Bridge Gumoon Looter Area-2	09.01.2023	14.01.2023	114,205.00
9	Dogah end point to Gayal Nullah file-1	09.01.2023	14.01.2023	5,346,000.00
10	Shatial Nullah to Harban Reservoir End Point File-06	12.01.2023	14.01.2023	644,177.00
11	Shatial Limits to Shatial Nullah File-1	16.01.2023	19.01.2023	2,201,739.00
12	Additional Funds Shatial Nullah to Harban Reservoir End Point File-03	20.01.2023	24.01.2023	22,280.00
	Built-Up Property			
1	Dogah End point to Gayal Nullah File-1	10.01.2023	23.01.2023	264,923,861.00
2	Shatial Limits to Shatial Nullah Area-4	10.01.2023	14.01.2023	754,502.00
3	Shatial Limits to Shatial Nullah Area-3	10.01.2023	14.01.2023	1,416,726.00
4	bailey Bridge Gumoon / looter Right side Area-2	10.01.2023	14.01.2023	8,420,888.00
5	Gul e Bagh reservoir Area-1	10.01.2023	17.01.2023	184,238,958.00
6	for LoR Shatial Nullah to Reservoir End Point Area-01	12.01.2023	17.01.2023	32,627,709.00
7	for LoR Shatial Limits to Shatial Nullah Area-05	12.01.2023	18.01.2023	44,564,499.00

S/N	Component	Received on	Submitted On	Amount
8	Assessment of Additional Funds BUP for Shatial Limits to Shatial Nullah Area-5	13.01.2023	18.01.2023	45,052,584.00
9	Shatial Nullah to Harban Reservoir Area-6	13.01.2023	14.01.2023	12,578,712.00
10	for LoR Shatial Limits to Shatial Nullah Area-02	13.01.2023	14.01.2023	7,297,763.00
11	Shatial Nullah to Reservoir End Point Area-2	16.01.2023	20.01.2023	94,575,730.00
12	Shatial Nullah to Reservoir End Point Area-03	20.01.2023	26.01.2023	156,207,982.00
13	Shatial Nullah to Reservoir End Point Area-04	20.01.2023	25.01.2023	52,311,197.00
14	Shatial Limits to Shatial Nullah Area-01	21.01.2023	30.01.2023	103,479,117.00

7.1.5 Draft Sections/Corrigendum issued.

The Corrigendum of Section-4 for the following components were prepared and issued during the month of January, 2023

- LoR Shatial Nullah to Reservoir End Point Area-04
- LoR Shatial Nullah to Reservoir End Point Area-03
- LoR Shatial Nullah to Reservoir End Point Area-05
- LoR Shatial Limits to Shatial Nullah Area-2
- LoR Shatial Limits to Shatial Nullah Area-1

7.1.6 Meeting of Compensation Disbursement Committee (Attended)

CDC meeting attended one CDC meeting during the month of January, 2023, which was held in LAC Office regarding the component “Bailey Bridge Gumoon/Looter (Right Side) Area-01”

7.1.7 GIS Verification

The GIS Team processed the GIS verification of 07 received components (with an estimated area of 1,419 Kanals / 177 acres) during the reporting month, out of which GIS Certificate was issued for 07 components (1418.11 Kanals / 177.37 acres) to LAC/DC Office with observations for further process. Details are given in the Table below;

During January 2023, GIS Verification was completed and certificate issued for the following components.

Sr. N.	Component	Area			Remarks
		Kanal	Marla	Sarsai	
1	Shatila limits to Shatila Nullah file-2	122	14	0	Certificate issued at SI-2019 dated 14-01-2023
2	Shatila limits to Shatila Nullah file-1	155	10	1	Certificate issued at SI-2019 dated 16-01-2023
3	Dogah Nallah to Gayal Nallah File-1 (Seer Gayal Village)	378	6	7	Certificate issued at SI-2019 dated 06-01-2023
4	Shatial Nullah to End of Reservoir File-4	44	5	4	Certificate issued at SI-2019 dated 07-01-2023
5	Shatial Nullah to End of Reservoir File-5	620	4	0	Certificate issued at SI-2019 dated 12-01-2023
6	Shatial Nullah to (Harban) End of Reservoir File-6	48	13	2	Certificate issued at SI-2019 dated 14-01-2023
7	Shatial Nullah to End of Reservoir File-3	49	12	8	Certificate issued at SI-2019 dated 16-01-2023
	Total	**1416**	**64**	**22**	

Additionally, the GIS Team remained involved in replying the applications received from the community regarding their grievances about the exclusion of their structures / Khasras by GIS Team. GIS Team rechecked and re-verified the community concerns and replied in the light of GIS Verification and cut-off date. The applications received were mostly from Seer Gayal, Shatial and Heban area.

GIS Team also prepared GIS maps of various components required by S&R Team to verify ESMR cases / files of the eligible Affected Households. These components include; (i) KKH-02 Additional land Kaigah to Awai Area-2 Part-A(1), (ii) KKH-02 Additional land Kaigah to Awai Area-1 Part-A(1), (iii) Summer Access Road area, (iv) Summer Nallah Dumping Area, and (v) Chilashi Access Road Area

7.1.8 Status of Land Lease of Kass

On an overall, about 87% of Kass Area has been taken over by WAPDA. Kass Area-1 (File- 2) and Kass Area-2 has been handed over to CGGC. Similarly, major portions of Kass Area-1 (File-1) and Kass Area-1 (File-3) has also been taken over and handed over to E&M and CGGC contractors. However few houses with disputed title ownership are still to be paid lease amounts and relocation is delayed. Status of various components of Kass in term of payments and land handover by the end of reporting month is as under:

a) Kass Area-1/File-1 (413K-14M-03S)

- All 83 beneficiaries of Kass have signed the agreement and have received the advance (3-months land lease rent + 10% of the BUP Value) as well as the remaining cheque of remaining amount (57-months land lease rent + 90% of the BUP Value).
- Almost all houses have been demolished except few which are disputed (0.25 acres). Possession of 01 lesser (16 Marla Area) has recently taken over after court decision. Out of total 103 K, about 90K (11 acres) land has been handed over to E&M contractor and contractor is working in the area.

b) Kass Area-1/File-2 (223K-05M-02S)

- Advance as well as final payments to all 27 AHHs of Kass Area-1/File-2 have been completed. All houses have been demolished and the area has been taken over by WAPDA on 13-08-2021.

c) Kass Area-1/File-3 (457K-01M-04S)

- Agreement signing of Kass Area-1/File-3 yet not completed and out of total 105 beneficiaries 63 have signed the agreements. Remaining beneficiaries did not sign the agreement mainly due to land dispute / court cases and resistance of few households.
- Out of total 63 beneficiaries (who have signed agreement), 59 have been paid the advance money (3-months land lease rent + 10% of the BUP Value), while 53 households have demolished their houses and they have been paid the remaining amount (57-months land lease rent + 90% of the BUP Value).
- About 48% of the area (219 Kanals) have been taken over by WAPDA and the houses have been demolished. The demolishing of remaining houses is in progress and cheques are ready for payment as soon they will complete the demolishing of their houses.
- The teams are working on the files of Kass Area-1 / File-3 and following up the remaining PAPs to make them agree for receiving their advance payments as early as possible. However about 47.2 kanals land is disputed and the Jirgas are underway to resolve the disputes as early as possible.

d) Kass Area-2 (393K-16M-05S)

- All 110 beneficiaries have signed the agreement and have been paid the advance money (3-months land lease rent + 10% of the BUP Value).
- All the houses have been demolished after paying the remaining amount (57-months land lease rent + 90% of the BUP Value).
- 100% of the area (393 Kanals) have been taken over by WAPDA and the houses have been demolished.

7.2 Development of Resettlement Sites and Relocation

Resettlement and Relocation (R&R) Team carried out various tasks / activities during the reporting month. These mainly include; monitoring of all on-going resettlement sites under construction (LBRV-11, LBRV-12, and Dasu RV), preparation of TRP files and release of payments / cheque, compilation of household data as per revenue record, updating HHs information on MIS and meetings with various stakeholders. Task-wise details of activities carried out by R&R Team during January 2023 are given below;

7.2.1 Progress of Seven under Construction Resettlement Sites (under construction)

There are four RV Packages (LBRV-11, LBRV-12 and RBRV-11, and Dasu-RV) consisting of 21 resettlement sites have been tendered and awarded to three contractors under four contracts (LBRV-11, LBRV-12, RBRV-11, and Dasu RV).

Currently seven resettlement sites are active. The contract of Zhongmei for LBRV-11 & 12 was commenced on December 26th 2018 and five priority sites (Nasirabad 1&2, Khushi 1&2 and Uchar-1) were handed over to the Contractor, while only two sites of Dasu-RVs (Chuchang Rv-1 & 4) contracted to Khyber Grace Limited (KGL) and was commenced on 18th June 2019 and the area was handed over to the contractor.

Enhanced Self-managed relocation Package was announced by Deputy Commissioner Kohistan on 31st May, 2021 that the AHHs have the option to change their stance from resettlement site to self. In the light of this announcement majority of AHHs opted self-resettlement

The work only on seven resettlement sites of LBRV-11 & 12, and Dasu-RV remained in progress. Social & Resettlement Teams monitored the sites under construction and resolved the emerging issues.

Site-wise activities carried out during the reporting month are given below:

a) Resettlement Site Nasirabad 1&2

During the reporting month, S&R team managed various installments of the Temporary Relocation Payment (TRP) to the resettling HHs of RV Nasirabad 1&2. The development of resettlement site along with roads, sewerage system, water supply tank and other amenities has been completed except the provision of water & electricity and no social issue emerged during the reporting month.

b) Resettlement Site Khushi-1

During the reporting month S&R and consultation meetings were conducted with the AHHs of Resettlement Site Khushi-1 to discuss allocation of plots and to pursue them to get the agreement signed with the owner of water source for the site. The respective households discussed and agreed with plots allocation plan.

The contractor has finalized the development work including Access and Internal Road, Drainage System and internal water supply pipeline on Khushi Resettlement Site – 1 has been completed. The Electricity is yet to be provided after the completion of 132 kV Grid Station at Kuz Chuchang while the completion of water supply line is dependent on the Identification of Water Source, which is to be provided by the Community.

c) Resettlement Site Uchar -1

During the reporting month S&R team managed the payment of pending installments of Temporary Relocation Package (TRP) to 13 AHHs of RV Uchar-01. The development of resettlement site along with roads, sewerage system, water supply tank and other amenities has been completed except the provision of water & electricity. The construction of water supply line is in progress by WAPDA Colony's Contractor (CGICOP) while electricity will be provided after the completion of Grid Station at Kuz Chuchang. No social issue emerged during the reporting month.

d) Resettlement Site Khushi-2 link-01

During the reporting month S&R team visited RV Khushi-02 Link-01 (Hajat Nabi group) plots and observed that no work is in progress and even the remaining agreed works (like mosque) have also not been accomplished by the contractor. The location of mosque has been identified and agreed by the community, however the work is yet not started.

e) Resettlement Site Chuchang-01

During the reporting month S&R team visited RV Chuchang-01 where work was in progress. One of the relocating AHH had some reservation on size and design of the plot which were address in consultation with Infrastructure team. S&R team issued a memo to infrastructure section to utilize the piece of land for plots development to Molvi Abdul Rahman so that his plots size may not be reduced.

f) Resettlement Site Chuchang-04

During the reporting month S&R team managed the payment of pending installments of Temporary Relocation Package (TRP) for the AHHs. The S&R Team also pushed the Infrastructure section to instruct the contractor to start Access Road work as early as possible as the land has been acquired and community agreed to allow the construction.

7.2.2 SMR Implementation Progress

Preparation of AHHs files for payment of Extended Self-Managed Resettlement (ESMR) Package remained in progress. Following are the updates:

- By the end of January 2023, an amount of Rs. 3,562.65 Million have been paid to 1,019 Affected Households of batch-1, 2, 3 and 4 for ESMR package.
- During Jan 2023, a total amount of PKR 658.00 million paid as ESMR package to 188 AHHs.
- Preparation of AHHs files for payment of Extended Self-Managed Resettlement (ESMR) Package remained in progress.
- A number of consultation meetings and jirgas were held with the community of priority villages (Siglo & Chuchang) in Deputy Commissioner's Office to brief them about the situation and complete relocation in priority areas as early as possible.

- All SMR Committees also kept engage in revising the referred back files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC). Weekly Progress Review meeting convened by the Deputy Commissioner also held regularly during the reporting month, in which targets were set and progress reviewed.
- The S&R field teams remained engage in getting missing signs of AHHs on Affidavit & Other Documents as well as signs on special power of Attorney.
- The S&R Team also remained engaged to receive & review number of applications regarding SMR from the community. The reply of priority applications was prepared and submitted.
- Working Committee also remained engage in preparing files of "More Than One Shareholder" and reconsideration of "CNIC Addresses Cases" as per decision of Project Steering Committee.
- During the reporting month 48 referred back files of Priority-2 villages were reviewed and returned to concerned committees with updated comments. Joint Sessions of all committees conducted every week and all pending files were discussed and cleared.
- On the instructions of the Deputy Commissioner an ESMR Week (January 9 – 16) was organized in which all disputed and hang over cases were discussed in details in the joint session and cleared.
- The list of 135 AHHs more than one Khasra shareholder submitted to WAPDA for approval. S&R Team collected the initial documents of 91 AHHs and prepared ESMR Files.

7.2.3 Status of TRP Payment

At the end of January 2023, a total amount of PKR 89,518,447/- paid as TRP to 210 RVs (PKR 78,663,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. In addition, PKR 3,926,220/- were paid to 43 commercial structures of Barseen, Khushi, Siglo and Tailrace Kuz Chuchang Area.

During the reporting month, an amount of PKR 9,795,000/- pad for Temporary Relocation Package to 63 affected HHs from 07 resettlement components. M&E team conducted a verification exercise, updated missing entries and corrected components in the database.

Table: Status of Payments of TRP and Allowances to the Owners of AHHs

S. No	Component	Status by Sep 2022			Status during Oct 2022			Grand Total
		RVs	Self	Amount	RVs	Self	Amount	
1	Additional ROW (KKH-01)	6	4	4,456,086	6	0	540,000	4,996,086
2	Bar Chuchang	1	3	543,869	1	0	180,000	723,869
3	Khushi Access Road to Ventilation Tunnel	13	1	4,790,800	0	0	-	4,790,800
4	Khushi Dumping	9	8	5,016,191	5	0	855,000	5,871,191
5	Khushi to Logro	58	0	4,750,000	0	0	-	4,750,000
6	KKH-01 (ROW)	34	22	23,032,961	26	0	3,780,000	26,812,961
7	Logro	43	0	20,876,616	10	0	1,560,000	22,436,616
8	RAR-01 (ROW)	16	26	9,245,959	0	0	-	9,245,959
9	Uchar Thoki (Uchar Contractor Camp-2 Thoki)	15	0	755,000	13	0	2,340,000	3,095,000
10	WAPDA Offices and Colony Chuchang	1	0	416,447	0	0	-	416,447
11	Zhongmei Camp	4	1	2,658,200	0	0	-	2,658,200
12	Khushi Access Road	0	18	2,263,741	0	0	-	2,263,741
13	Tailrace Area Kuz Chuchang	10	3	917,577	2	0	540,000	1,457,577
Total		**210**	**86**	**79,723,447**	**63**	**0**	**9,795,000**	**89,518,447**

The updated status for the payments of project allowances to the owners of Commercial Structures is given in below Table. During the reporting month, no cheque was issued for commercial structures

Table: Status of Payments of Allowances to the Owners of Commercial Structures

Sr. No.	Component	Status by December 2022		Status during January 2023		Grand Total
		# of Commercial Structures	Amount Paid (Rs)	# of Commercial Structures	Amount Paid (Rs)	
1	RAR(RoW) Seo Village	8	448,784	0	0	**448,784**
2	Khushi Access Road	10	638,938	0	0	**638,938**
3	Tailrace Area Kuz Chuchang	13	1,555,708	0	0	**1,555,708**
4	Barseen	12	1,282,790	0	0	**1,282,790**
Total		**43**	**3,926,220**	0	0	**3,926,220**

g) Other Major Activities Carried Out by R&R Team

The following other major activities were carried out by R&R team during reporting month 2022:

i. On 10-1-2023 S&R team along with other DMC staff held a meeting with the Managing Director (MD) of Development Management Consultants (DMC) in DHC meeting hall. The issue facing by the DMC employees in DHC have been shared with the DMC management and they assured to take up these genuine issues with higher authorities.

ii. On 13-1-2023 S&R representative participated in the Review and Scrutiny Committee (RSC) meeting for ESMR package and scrutinized the ESMR files pertaining to various components. In this meeting drafted the 59th MoM of RSC has also been issued.

iii. During the reporting month S&R team visited Khushi Access Road to look into the position of an optical fiber pole located for which CCECC engineer approached S&R section as they want to make the access road widened and blacktopping and the subject pole is standing in the ROW, hence need to be relocated.

iv. During the reporting S&R team along with the NESPAK representatives and WAPDA officials conducted the assessment for the relocation of 10 Schools being affected due to the activities of Dasu Hydropower Project (DHPP). Out these 10 No. of schools 04 are the Government Girls Primary schools (GGPS), 05 are the Government Boys Primary Schools (GPS) and 01 is Government High School (GHS). S&R team successfully conducted the relocation assessment of these schools and report writing of this preliminary assessment is in progress.

7.3 Public Consultation and Participation

Major activities carried out under Public Consultation and Participation Section during the reporting month are briefed as below:

7.3.1 Public Consultations Regarding Resettlement Sites

Construction work on seven priority sites remained in progress during the reporting period. The Public Consultation and Participation (PC&P) Team remained engaged in resolving social issues mainly on the handed-over resettlement sites, where Zhongmei and KGL contractors are involved in construction works. Consultation team provided its support in resolving the issues related to design or any conflict between contractor and community during the construction activities. A number of consultation meetings were conducted over the period of three years (from commencement of construction work).

Social and Resettlement Section of DHC holds a series of meetings with communities of under developed Resettlement Sites to inquire about any reservation or issue related to site development. The basic aim for these meetings was to discuss the issues or concerns of the community and resolve these issue with input from technical team.

- A meeting with Mr. Madad Khan (Community member) and Design team of Infrastructure section was held regarding the septic tank design issue. The community member had asked the contractor to stop the work. According to him, the septic tank may seep out and will be harmful for the graves. According to the design team, the safe distance was already considered and it was told to meeting that the wall of septic tank is being made with concrete and there is no chance of any seepage or leaking. However, for satisfaction of the complainant it is further stated that the gap between wall and graves will be extended as much as it can be. The community member was satisfied and the issue was resolved.
- The community showed some reservations over the slope of the access road at Chuchang Resettlement Site – 4 (Kuz Chuchang). According to them the slope grade is too steep to be feasible for vehicle moment in future. In this regard an application was submitted with WAPDA. To resolve this issue, a site visit was conducted by the Director S&R and the Chairman IGRC along with Infrastructure and Social teams from DHC on December 29, 2022. Mr. Ejaz Director S&R instructed the infrastructure team to revise the design by realigning the zero point and try to reduce the slope as needed. The infrastructure team revised the design in the light of guidance from Director S&R and reduced the slope to 14% and design was finalized. Another meeting regarding this with RE Infrastructure and PC&P team of DHC and the community. Mr. Imtiaz briefed in the meeting about the revised design. The community showed their satisfaction over the new design.
- A meeting was held in October 2022, to discuss the plot allocation mechanism at resettlement site Khushi 1. The community was asked to allocate the plots to AHHs as per their convenience and consensus. Community further insisted for additional plots but it was cleared to them that it is rather difficult to go for it now. They were also told that if the allocation is not made by the

community, then DHC will allocate randomly and it would not be challenged later. Two follow-up meetings were held with the community to discuss the final allocation plan. The community members told that due to some domestic affairs the plan was not discussed among them. The community came with consensus on the plot allocation in the second meeting. They agreed on allocation plan made by the Resettlement Team.

7.3.2 Public Consultations Regarding Temporary Relocation Package

WAPDA approved to pay a Temporary Relocation Package (TRP) to the eligible Affected Households in case the construction area is required while the proposed resettlement sites for the area are under development. In this regard community is being consulted for the requirement of the area and briefed about the details of TRP. After the agreement of the concerned community the case is forwarded to WAPDA for further process. So far, about 15 consultation meetings have been held with community for their consent over TRP.

7.3.3 Public Consultations Regarding Other Components / Construction Sites to Resolve Issues

Consultation and Participation team also extends its support for other construction components i.e., Roads, TL and Gender Implementation. During the reporting period no issue was emerged to be referred to PC & P.

- A meeting was held with newly mobilized consultants' team from NESPAK. The said team will look after the Local Area Development, Downstream Fisheries Management, Livelihood and Public Health components. Participants were briefed about the working of different sections of S&R along with the progress and updates on different components of the project. The status of LAD Schemes, the challenges they might face during the implementation and other minor concerns were also discussed during the meeting. The potential for some livelihood interventions was also conferred and the livelihood specialist from GDC shared the past experiences and details of earlier programs for livelihood.

7.3.4 Other Major Activities Carried Out during the Reporting Month

Public Consultation and Participation section of DHC extended its services with Land Acquisition Cell (LAC) to assist Sub Registrar for completion of documents for private registration deeds to acquire land for various Additional Land for different components

7.4 Income and Livelihood Restoration

Key activities carried out under "Income and livelihood Restoration" Section during the reporting month are briefed below:

7.4.1 Pre-Evaluation Survey and Reports Regarding Utilization of Compensation Money

A number of components have been awarded and the compensation payments either have been completed or in progress for many components. The ILRP Team is involved in conducting surveys and preparing reports for knowing the proper utilization of compensation money for all completed components.

The purpose of these surveys/reports is two-fold: First to recognize, how compensation money is utilized by Project Affected Persons (PAPs) for the development of sustainable income and restoration of livelihood means within the available opportunities and options in the project area. Secondly, to outline the opportunities which are available with the project and need of technical skills in establishing sustainable entrepreneurship for the PAPs.

The survey/report presents results on the intentions/perceptions of affected communities to utilize compensation money in terms of "who wants what" and how to utilize the compensation amount productively. This was important because unexpected huge amounts were disbursed to PAPs due to DHPP and ***"Rocks have turned / turning into cash"*** *& new income generating opportunities are emerging if spent / invested wisely.* Table below shows the details of completed and submitted reports.

So far following 13 reports on 39 components have been completed and submitted to WAPDA,

Table 7.3: Status of Submitted Reports on Utilization of Compensation Money

Sr. No	Village Name	Component Name	Submitted on
1	Uchar	1. Contractor Camp Uchar	Submitted on December,2016
	Zaal	2. Contractor Camp Zaal	
2	Bar Chuchang	1. WAPDA Colony	Submitted on October,2017
	Kuz Chuchang	2. Grid Station	

Sr. No	Village Name	Component Name	Submitted on
3	Uchar	1. Access Road Uchar	Submitted on June,2018
	Barseen	2. Access Road Barseen	
4	11 villages (Dasu to Kaigha)	1. KKH-01	Submitted on March,2019
5	6 Villages (Kass to Sigloo)	1. RAR-01	Submitted on March,2021
6	Kotgal Village	1. Kotgal Reservoir-01	Submitted on March,2021
		2. Kotgal Access Road	
		3. Japan bridge to Dhundar	
7	Uchar Village	1. Access Road to R. Site-1 Uchar	Submitted on August,2021
		2. Contractor Camp-2 (Thoki Uchar)	
		3. Dumping area Uchar	
		4. Contractor (Zhongmei) Camp Uchar	
		5. Uchar to Logroo reservoir	
8	Pani Bah Village	1. Pani Bah Access Road	Submitted on August,2021
		2. Pani Bah Reservoir-01	
		3. Pani Bah Reservoir-02	
9	Logroo Village	1. Logroo-01	Submitted on August,2021
		2. Logroo-02	
		3. Logroo Reservoir-01	
		4. Logroo Reseroir-02	
10	Kuz Chuchang	1. Tailrace Area	Submitted on August,2021
11	Sigloo Village	1. Sigloo-1 File-1	Submitted on December,2021
		2. Sigloo-1 File-2	
		3. Sigloo-2 File-1	
		4. Sigloo-2 File-2	
		5. Sigloo-2 File-3	
		6. Sigloo-2 File-4	
		7. Sigloo-3 File-1	
		8. Sigloo-3 File-2	
12	Barseen Village	1. Barseen Reservoir Area-1	Submitted on April,2022
		2. Barseen Reservoir Area-2	
		3. Barseen Contractor Camp-1	
		4. Barseen Access Road	
		5. Barseen Nullah Reservoir Area	
		6. Barseen Zhongmei Explosive Magazine	
13	Sluch Village	1. Natbail to Sluch Bridge Reservoir Area	Submitted on July,2022

Note: The survey of village Seer Gayal is in progress.

Table 7.4: Status of On-going Surveys/reports on Utilization of Compensation Money

Sr. No	Village / Component	Status (By Previous Month)	Work Done (During the Reporting Month)	Remarks
1	Seer Gayal Village	Survey in progress (132 PAPs interviewed)	-----	The revenue survey of one component in Seer Gayal village has not been completed yet the verification is in process. When the revenue survey is completed than this component will be added.

7.4.2 Post-Evaluation Surveys / Reports regarding Utilization of Compensation Money:

Post evaluation report on Utilization of Compensation Money of WAPDA colony/Bar Chuchang is completed and under review.

7.1.1. Other Major Activities carried out during the Month

i. During the month, prepared 138 vouchers (Qabzul Wasools) for the payment of project allowances for the affected households whom ESMR files have been approved and their ESMR cheques are ready in Deputy Commissioner (DC) office.
ii. During the month, prepared 38 SMR paid files for project allowance and submitted to WAPDA.
iii. During the month, total 115 SMR paid files received from DC office for project allowance and document scanning for office record.
iv. During the month, 115 SMR paid files scanned & prepared duplicate files for DHC record.
v. During the month, prepared 115 SMR paid files for project allowance and will be submitted in next month. "The detail is shown in table 4"

7.5 Local Area Development Program (LADP)

The implementation of LADP was started in 2019. A total of three priority batches covering about 54 schemes has been finalized. two scheme “Solar Street Light at Komila and Dasu and Construction of new RCC Bridge at Jalkot Nullah” are completed; while four more schemes (Rehabilitation of Rural Health Center, Jamia Mosque, Komila, Sanitation and Sewerage system at Komila and Dasu (SSKD) and PKG 01 road Schemes) were awarded in 2020-22 and are under construction.

The implementation of LADP has now been assigned to the new consultants (NESPAK Consultants). The contract has been commenced and a team of consultants has arrived in Dasu and started their work. A series of meetings were held with the new consultants with Director General Social Safeguard and the World Bank on January 6th, 2023. The consultants had prepared their work plan and shared with the Employer. The team will start preparing the monthly progress report soon which will be summarized under this section in the subsequent months.

7.6 Public Health and Gender Implementation Plan (PHIP)

The on-going activities under this component are currently being supervised by the Director General Social Safeguards in assistance with Director S&R and Assistant Director Gender and community Health (WAPDA). However, Public Health Implementation Plan has been included in the scope of new LADP Consultants. A couple of meetings of WAPDA S&R Team including Assistant Director Public Health with the representatives of new consultants regarding the new arrangements were held during the month. The new consultant (NESPAK) is on board and is working on Public Health Implementation Action Plan. They will report the monthly progress of this component.

7.7 Gender Implementation Plan (GIP)

GIP Team carried out the following activities during the reporting month.

i. Contract for the identified teacher has been approved by WAPDA Office as per their standard procedures. Community has made all necessary arrangements including neat and clean room etc. Purchase of the approved items is in progress. Almost 70% of the approved items for Vocational Training Center at Kuz Chuchang have been completed.
ii. Gender Sensitive communication messages for girls' education promotion reviewed. Gender Awareness and sensitization 'Participants hand Book' in Urdu reviewed and is now at final stages. A letter of understanding with National Commission on Human development has been agreed and in the final stages of approval. Proposal and LOU are at the stage of approval
iii. List of LHV candidates along with their documents is shared with PHSA for a formal Memorandum of Understanding (MOU). MOU drafting is in process as the entire management of the PHSA is changed, so new management is provided briefing on the activities including LHV batch from Kohistan. Provincial Health Services Academy (PHSA) senior staff in Peshawar, have made the selection criteria relaxed for Kohistan. A formal Memorandum of Understanding (MOU) is also in progress, as the list along with documents is shared with PHSA.
iv. Coaching session as a regular practice has been continued with key Religious Leaders. District Khateeb has committed for continue addressing importance of women and girls' education in the context of Islam. List of Religious Leaders for next workshop is prepared in consultation with key religious leaders of advisory committee List of third batch of Religious Leaders for week course in International Islamic University Islamabad (IIUI) is developed.
v. Informal coaching sessions with local staff members is a continue process and impacting positively. One local activist has arranged a community contact i.e. a local Traditional Birth Attendant (TBA), who is very well-known in SEO and Raziqa for her technical skill and abilities. She has agreed for training other local women in Kohistan, with a women only environment. Through a long and intensive process of community consultations including religious leaders identified including from Kandya, Shityal, Raziqa, Herban, Jalkot and Dasu, their families agreed for a 2 years long course in Abbottabad, which is a real breakthrough in the context of Kohistan.

7.8 Implementation of Communication Plan

Following major activities were carried out during the reporting month

i. Communication Team remained engage in public dealing in the Public Information Centre and sharing information regarding Dasu HPP with local community and general public.
ii. Preparation of Contents for Digital Display Screen is a continuous activity. New content selected and modified for SMD have been displayed after approval from the management.
iii. Coverage of different events and meetings remained in progress during the reporting month, communication team also captured photos of different sites regarding progress.
iv. Coverage of the different project activities for information of all the stakeholders through social media pages of Facebook, YouTube etc. (continuous activity).
v. Updated project progress on Dasu HPP website, updated content and published new events on project website.

vi. Communication team remained engaged with SMR R&SC on signing of MOM from review & scrutiny committee members & handing over the files to the IC committee & FVC/WC.
vii. Coordinated with contract section regarding advertisement of "Hiring of twelve vehicles for security purpose" and "Pic & Drop facility for School going children on 15 different routes". The contract section will email the said case after some changes & review from GM/PD.
viii. Coordinated with CST section regarding advertisement of pre-qualification for "supply of LPG cylinders to office building and officers/officials accommodation. The CST section will forward the case after changes & reviewing from GM/PD.

7.9 Independent Grievance Redress Committee (IGRC)

About all pending & new complaints have been addressed and disposed-off and no new complaints received during the reporting month.

7.10 Migration Management

Major activities related to In-migration Management were carried out by the Assistant Director In-migrant Management during the reporting month (January, 2023). These mainly included visit to the Contractors' camps for resolving the emerging labor issues and awareness campaigns to implement code of conduct.

Workforce data of all contractors as well DHC and WAPDA was entered in MIS till the last month (December, 2023). Based on the workforce data received from various contractors and other organizations a total of 4,930 workers / staff were estimated. Out of total (4,930); 2,515 (51%) were locals, 1,775 (36%) were non-local national, while 616 (12.5%) were foreigners. A total of 25 females were working in the project during the reporting month which is almost 1 percent of the whole workforce.

Following table shows the details of the in-migrants at Dasu Site as of January, 2023:

			Locals	Non-Locals		Foreigners		Component wise Total	Total
S.No	Components	Contracts	Male	Male	Female	Male	Female		
1	WAPDA/ LA&AU	WAPDA-DHHP	159	205	0	0	0	**364**	**364**
2	DHC	DHC-DHPP	217	124	2	20	0	**363**	**363**
3	CGGC	MW-01	991	386	0	200	8	**1585**	**3330**
		MW-02	662	440	0	242	13	**1357**	
		RAR-02	88	11	0	30	0	**129**	
		KKH-02	149	76	0	34	0	**259**	
4	CCECC	RAR-01	66	28	0	14	1	**109**	**395**
		KKH-01	54	182	0	49	1	**286**	
5	CGICOP	PCI-01R	22	148	0	11	0	**181**	**181**
6	KGL	DASU-RV	19	61	0	0	0	**80**	**80**
7	PCCCL	TL-01	63	54	0	13	0	**130**	**130**
8	Zhongmei	LBRV-11&12	4	10	0	2	0	**16**	**16**
9	IKAN	LADP	9	43	0	0	0	**52**	**52**
10	MSC	Consultant	11	7	0	1	0	**19**	**19**
	Total		**2514**	**1775**	**2**	**616**	**23**	**4930**	**4930**

Data of security forces (consists of Frontier Constabulary, Frontier Core, Police, WAPDA /Private security guards and Dir Scouts (QRF)) were also collected during the reporting quarter. This data was collected through law-and-order representative (Deputy Director Security (Social), WAPDA office. Total 861 security personals have been engaged for DHPP during the reporting month as mentioned in the table. (31 Persons from regular FC are not included in list).

7.10.1 Other Major Activities during the month

The following major activities were carried out during the reporting month:

i. Follow up meeting with all contractors regarding registration of workers/staff with EOBI. M/s IKAN, CCECC, ZEGL and PCCCL attend meeting and start process for registration.
ii. Meeting with DC, WAPDA, DPO, Contractors and workers/labor's representative regarding strike at CR-09/CR-02 site at DC office, Kohistan.
iii. Field visit to CR-09/CR-02 site regarding strike current status and updates from site.
iv. Camp visit to M/s CCECC at Zaal regarding local workers interview.
v. Visit to Barseen and Chuchang colony to attend inauguration ceremony of WAPDA Office and Colony by Chairman WAPDA.
vi. Meeting with MSC Consultants regarding local workers interview and staff data sharing.
vii. Field visit to M/s CCECC camp at Zaal regarding monitoring and inspection of workers facilitation at camp and work site.

viii. Updating the shared staff data of contractors in monthly data sheet.
ix. Field visit to M/s CCECC camp at K-09 site regarding monitoring and inspection of workers facilitation at camp and work site
x. Field visit to M/s CCECC camp at Zaal site regarding monitoring and inspection of workers facilitation at camp and work site
xi. Field visit to Shaal site regarding local driver's conflict for adjustment/rehiring.
xii. Field visit to Shaal and Siglo site regarding stoppage of work by local community demanding employment and school van respectively.
xiii. Visit to M/s CCECC camp at Dasu and meeting with Mr. Zhanghuxiang regarding K-09 camp condition and request for improvement in facilitation.
xiv. Field visit to Kuma chairlift at sub division Seo along with AD Technical WAPDA regarding cost estimate
xv. Visit to Kuma and meeting with community regarding chairlift installation.
xvi. Attend training on Occupational Health & Safety (OHS) at GM office meeting hall training by Bureau Veritas.
xvii. Work on Kuma chairlift file and sign from Director S&R, office order also issues for purchase committee.
xviii. Preparation and submission of Monthly Progress Report of Migration Management for the month of January-2023 to Communication section and for further submission.

7.11 Internal Monitoring and Evaluation (M&E)

Responsibilities of M&E Team includes data management, monitoring of compensation payments & temporary relocation payments, monitoring of field activities of S&R and Environment Teams, supporting MIS development work on daily basis, and preparation of M&E and other section reports. Following major tasks were carried out during the reporting Month.

7.11.1 Monitoring of Compensation Payment Process at DC Office

During the month of January 2023, a total amount of PKR 19.41 billion was paid, including PKR 19.07 billion to 7,889 PAPs through 11,693 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

7.11.2 Monitoring of Lease & Compensation Payment Process for Kass Area at WAPDA Office

During January 2023, WAPDA Accounts Section did not release lease payment cheque to any PAP. At the end of reporting month, a total amount of PKR 548.3/- million was paid to the PAPs as lease, compensation for built-up properties and trees.

S. No.	Components	Status by Dec 2022			Status during Jan 2023			Grand Total
		PAPs	CHQ	Amount	PAPs	CHQ	Amount	
1	Kass Disposal Area-01 (File-01)	64	99	147.439,862				147,439,862
2	Kass Disposal Area-01 (File-02)	28	67	115,372,658				115,372,658
3	Kass Disposal Area-01 (File-03)	52	72	109,621,927				109,621,927
4	Kass Disposal Area-02	112	278	175,834,389				175,834,389
	Total	**256**	**516**	**548,268,836**				**548,268,836**

7.11.3 Accounts Adjustment Submissions to WAPDA

During the month, M&E team worked on identification of remaining paid cheques to be processed for accounts adjustment. In addition, team worked on finalization of supporting booklets after collection of signed Qabzul Wasools from DC Office & preparation of required copies of each book.

S. No.	Components	Status by Previous Month	Status during Reporting Month	Grand Total
		Amount	Amount	Amount
1	Final Summaries Submitted to WAPDA	18,821,487,872	0	18,821,487,872
2	Preparation of Summaries and Supporting Booklets	19,160,737,093	0	19,160,737,093

7.11.4 Monitoring of Temporary Relocation Payment (TRP) and Allowances to Affected Households and for Commercial Structures

At the end of January 2023, a total amount of PKR 89,518,447/- paid as TRP to 210 RVs (PKR 78,663,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. In addition, PKR 3,926,220/- were paid to 43 commercial structures of Barseen, Khushi, Siglo and Tailrace Kuz Chuchang Area.

During the reporting month, an amount of PKR 9,795,000/- pad for Temporary Relocation Package to 63 affected HHs from 07 resettlement components. M&E team conducted a verification exercise, updated missing entries and corrected components in the database.

By end of reporting month, resettlement allowances released to 244 AHHs who already received their ESMR Package. A total amount of PKR 6.418/- million is paid on account of resettlement allowances. During January 2023, resettlement allowances were paid to 25 AHHs, total amount of PKR 539,363/- paid as resettlement allowance during the reporting period.

Sr. No.	Village Priority	By Dec 2022		During Jan 2023		Grand Total	
		No. of AHHs	Amount	No. of AHHs	Amount	No. of AHHs	Amount
1	Priority I Villages	172	4,780,769	17	291,729	189	5,072,498
2	Priority II Villages	47	1,098,705	8	247,634	55	1,346,339
3	Priority III Villages	0	-	0	-	0	-
	Total	219	5,879,474	25	539,363	244	6,418,837

7.11.5 Preparation and Review of Files and Payment of ESMR Package

Preparation of AHHs files for payment of Extended Self-Managed Resettlement (ESMR) Package remained in progress. During January 2023, a total amount of PKR 658.00 million paid as ESMR package to 188 AHHs. By the end of reporting month ESMR package was paid to 1,019 AHHs of batch-1, 2, 3 and 4, total amount paid on account of ESMR is PKR 3562.65 million.

S. No.	Batch	Total AHHs	By Dec 2022		During Jan 2023		Total	
			Paid AHHs	Amount	Paid AHHs	Amount	Paid AHHs	Amount
1	Batch-1	84	78	269.20	0	0.00	78	269.20
2	Batch-2	960	346	1210.95	89	311.50	435	1522.45
3	Batch-3	966	382	1337.00	88	308.00	470	1645.00
4	Batch-4		25	87.50	11	38.50	36	126.00
5	Batch-5		0	0.00	0	0.00	0	0.00
Grand Total		**2010**	**831**	**2904.65**	**188**	**658.00**	**1019**	**3562.65**

7.11.6 Compilation of Compensation and Allowances Payment Data and Entry in MIS

M&E team entered cheques data and prepared summary tables in Excel. Scanned data of compensation payments including scanned ID cards, cheques and photos of PAPs receiving compensation payment was organized and uploaded on MIS servers. Following activities were carried out during the reporting month:

- Data entry of land compensation payments in MIS from received Qabzul Wasool remained in progress. During reporting period data entry of 10,901 (93% of total cheques/Qabzul Wasools) have been entered in MIS. Data entry of remaining Qabzul Wasools is in progress, a backlog of 792 Qabzul Wasools recorded by end of the reporting period.
- Total 188 SMR cheques issued to AHHs, all issued cheques were entered in MS Excel Database and MIS also.
- TRP payment was released to 58 AHHs of various components, all the cheques were organized and entered in MS Excel database
- Resettlement allowances cheques were issue to 25 AHHs by end of reporting period, all these issue cheques entered in MS Excel database and updated summary tables.
- Compensation Payments Summary tables & progress reports were updated during the reporting month.

S. No.	Task	Status by Previous Month	Status During Reporting Month
1	PAPs Documents Organized	31,887	0
2	Compensation Payment Entry in MIS	10,700	201
3	Lease Payment Data Entry in MS Excel Database	516	0
4	PAPs Documents Uploading in MIS	23,111	0
5	TRP Cheques Entry in MIS	11293	63
6	SMR Cheques Entry in MIS	831	188

7.12 Development of Management Information System

The following activities were carried out by MIS team during the reporting month:

7.12.1 OHS Document Management System

During the month under reporting, document management system under OHS was designed and developed for recording activities in an automated way. The authorized user can easily enter data using web-based user-friendly input interfaces for various processes like: manage document

categories, managing and uploading documents in a secured manner. The system stores these data into MIS database for generating dashboards and required reports.
Following modules were developed during the reporting period

- Design and development structure and layout of document management system,
- Identification and development of input modules submodules
- Development of input web forms and database
- Development system's security and access control system
- Document and category management
- Development of Document Uploading system with required features

7.12.2 Development of OHS KPI Management System

During the month under reporting, KPI management system under OHS was designed and developed for recording activities in an automated way. The authorized user can easily enter data using web-based user-friendly input interfaces for various processes like: manage contracts and KPIs, KPI wise data entry in a secured manner. The system stores these data into MIS database for generating dashboards and required reports.
Following modules were developed during the reporting period

- Design and development structure and layout of KPI management system,
- Identification and development of input modules submodules
- Development of input web forms and database
- Development system's security and access control system
- KPI Management and listing system
- KPI Wise contract data entry for generating required outputs

7.12.3 Maintenance of Operational Modules

Maintenance, enhancement and technical support are being provided on regular basis. During the month under reporting, the maintenance and technical support was provided to already developed and operational modules.

7.13 Status of Key Performance Indicators (KPIs) of S&R Section (During the Month)

The Status of Key Performance Indicators (KPIs) of S&R Section during the reporting month is as under;

Sr. No	Key Performance Indicator (KPI)	Status by December 2022	Progress during January 2023	Remarks
➢	**Land Acquisition and Compensation Payment (LA & CP)**			
1	Land Acquired (Acres)	4,652	00	Total land acquired 4,652 acres (92% of the total land)
2	Number of PAPs Compensated	7,871	18	Total PAPs compensated 7,889
3	Compensation Paid (M. Rs)	19390	20.02	In addition to this an amount of Rs. 245 M paid to courts and Rs.93.32 M, directly paid to PTDC & FWO
4	GIS Verifications Completed (Number of Components)	275	07	GIS Verification of all the components have been completed
5	GIS Verification Completed (Area of Components in Acres)	4862	177	
➢	**Resettlement & Relocation (R&R)**			
1	Number of Resettlement Sites Completed	3	0	Two resettlement sites Uchar RV-01 & Chuchang Additional completed and handover to the community
2	Number of HHs received TRP relocating to RVs	210	63	Majority of AHHs residing in the Project area and some of them shifted to down districts
3	Total TRP paid to AHHs relocating to RVs (RS Million)	68.868	9.795	
4	Number of HHs received TRP relocating on SMR (RS Million)	86	0	Majority of AHHs residing in project area and some of them shifted to down districts
5	Total TRP paid to AHHs relocating to SMR (M. Rs)	10.854	0	
6	**Total TRP paid to AHHs (RVs+SMR) (RS Million)**	79.723	9.795	
7	New ESMR paid (No. of AHHs)	831	188	
8	New ESMR paid (RS Million)	2904.65	658.00	
9	Allowances Paid to Owners of Commercial Structures (RS Million)	3.92622	0	Including dislocation, Shifting and Covered Area Allowance per square meter
➢	**Public Consultation and Participation (PC&P)**			
1	Number of Consultation Meetings Conducted	801	05	Various meetings were conducted regarding ESMR Package.
2	Percent issues / disputes resolved	95	89	The resolution of remaining issues in progress
3	Percentage of PAPs participating in consultation meetings (Approximately all (100%) PAPs were consulted during Planning & Design Stage)	68	87	% PAPs from related villages presented during the meetings
4	Percentage of their suggestions taken into account	83	86	The suggestions regarding design changes are sometimes difficult to accommodate
➢	**Income and Livelihood Restoration Program (ILRP)**			
1	Number of UCM components Completed & submitted	13	---	13 reports prepared & submitted to WAPDA.

2	Number of UCM components (survey completed and reports in progress)	--	---	----
3	Survey for UCM in progress	1	---	Survey in progress, 1, Seer Gayal village
4	Number of interviews related to UCM Survey completed and ongoing	2054	---	----
5	Number of Capacity Building Trainings Conducted	11	0	9th Batch started from 24 October 2022 in NLC Dina Jhelum. Total Trainees is 36 for 3-month duration.
6	Number of Local Youth Benefited from Trainings	228	---	Batch 1,2,3&4 — 45 Youth 5th & 6th batch — 37 Youth 7th batch — 26 Youth 8th batch — 86 Youth Fisheries (7days) — 24 Youth Journalist (10 days) — 10 Journalist
➢	**Local Area Development Program (LADP)**			
1	Total Number of Schemes Identified	52	40	Total schemes revised & finalized by WAPDA so far
2	Number of Schemes Completed	03	–	Solar Street Light Scheme completed in July 2020
3	Number of Schemes under construction	08	08	Jalkot Bridge, Jamia Mosque Komila, RHC, and Sanitation Scheme Komila
4	Number of Schemes Awarded	01	01	Package-1 (Five Link Roads)
5	Number of schemes where work has been commenced / started	--	--	
6	Number of Schemes under Bidding Process	06	06	120 Solar Lights, Computer Labs Equipment and Solar System for Computer Labs, Procurement of Ambulances
7	Total Number of Schemes for which Design has been Completed	17	17	
8	Total Number of Schemes for which feasibility has been Completed	25	25	
9	Schemes Cancelled	04	04	
10	Percent LADP Budget Utilized	5.97	5.97	
➢	**Public Health Implementation Plan (PHIP)**			
1	Number of Medical Camps Organized	10	00	Ten medical camps organized from February 2017 to September 2022
2	Number of Males Treated	3,287	60	Total patients treated in 10 medical camps
3	Number of Females Treated	4,147	91	
4	Number of Children Treated	4,001	147	
5	Number of Capacity Building Trainings Conducted	02	–	Training of two batches (48 local Ulemas) was conducted in Islamabad in December 2019 and February 2021.
6	Number of PH Schemes Completed	–	–	
7	Number of PH Schemes Under Process	02	–	Rehabilitation of RHC and Procurement of Ambulances
8	Total PH Budget (Million Rs)	1500	00	
9	Percent Budget Utilized (Million Rs)	1.76	0.20	
➢	**Gender Implementation Plan (GIP)**			
1.	Number of Gender Core Workgroup Program (GCWP) Quarterly Meetings Conducted	2	0	Discussion has been made with WAPDA to plan after establishment of concrete activities
2.	Number of Gender Sensitization Sessions Conducted with CGBT / WVCs	23	0	Three sessions have been carried out with local activists and women of Porana (OLD) Rango village Awareness session on girls' education is undertaken with men and women of the area.
3.	Number of Gender Sensitization Sessions Conducted with Various Target Groups (PMU, DHC, Contractor, and other stakeholders)	13	0	A Module on Gender Awareness and Sensitization is reviewed. Two Gender Sensitization coaching sessions have been undertaken with local DHC staff 3 staff members
4.	Number of VTCs established	01	0	Techer Contract will be signed in February and course will start accordingly. Purchase of items for the skill development course are in the final stages and 70% purchases are completed.
5.	Number of GIP Information Centers Identified	01	0	06 locations identified in Shatial and Sazeen in consultations with health department
6.	Number of GIP Information Centers Established	0	0	Plan is in process to establish women community centers at village level, these will be equipped with project related information and will serve as project Information Center as well
7.	Number of Schools Covered under Health & Hygiene Program	02	0	Once the kits are ready to distribute, Health and Hygiene sessions will be conducted as per plan. Health and Hygiene kit Composition is reviewed and finalized for approval
8.	Number of Project Staff (including Contractor's staff) Benefited from sensitization trainings	87	3	Three staff members are sensitized and as a result helped identification and counseling of three families for LHV two years long course. A community meeting is arranged for Gender Specialist at Porana Rango Village
9.	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	04	0	List of third batch is developed and is forwarded for approval. One coaching session has been conducted with Moulana of Kandiya and as a result he identified a candidate from Gabral, Kandiya for LHV course Discussion on media campaigns in local language about girls' education, and forced marriages etc. in the context of Islam
10.	Number of Ulemas Benefited	97	2	Individual coaching sessions are found more practical and action oriented.

11.	Percent of women using health facilities in project area	30	5	Figure is updated from the meeting with health department and visit to DHQ, Dasu.
12.	Percent of women engaged in Income Generating Activities in the Project Area	38	3	Figure is updated from the field visits experience and eye witnessed of shops run by women in the villages.
➢	**In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)**			
1	Total Staff working on DHPP	4,023	4,930	Workforce data includes staff (including labor) of all contractors, DHC, and WAPDA
2	Local Staff working on DHPP	1,793	2,514	
3	Non-local Staff working on DHPP	1,641	1,777	
4	Foreigner Staff working on DHPP	589	639	
5	Number of Awareness Sessions on CoC Conducted with Community	27	00	
6	Number of Total Participants in Community Awareness Sessions	424	00	
7	Number of Awareness Sessions on CoC Conducted with Labor	60	01	One awareness session has been conducted during the reporting month with the labor and staff of CCGCC.
8	Number of Total Participants in Labor Awareness Sessions	1,127	16	
9	Number of visits for Camp Inspection	96	05	Continuous activity
➢	**Communication Plan (CP)**			
1	Baseline Documentary for socio-economic situation	Completed	–	
2	Number of IEC Material prepared and printed	24,000	–	It includes printed copies newsletter and flyers & brochures related to S&R sections including IEC material on Covid-19
3	Number of Quarterly Newsletters prepared and issued	02	–	Preparation of third & fourth newsletter in progress
4	Number of Awareness Sessions conducted with various target groups of community	12	–	Awareness about DHPP to school teachers, students and community representatives
5	Number of Exposure visits organized	02	–	No visit during the reporting month
6	Arrangement of NADRA Van for registration of unregistered PAPs (number of rounds)	02	–	NADRA Van was arranged two times (2017 and 2020) and registration of 690 PAPs (80% Women) was completed
7	Provision of Pick & Drop facility for school going children (M/F) in project area.	06	–	06 vans arranged by WAPDA to pick & drop school children within project area
8	Installation of Digital display screen (SMD) in project area.	Completed	–	Screen installed in Komila Bazar to present key information regarding DHPP
9	Number of DHPP events covered	84	02	All project events including important meetings, ceremonies, exposure visits, and other events
➢	**Grievances Redress Plan (GRP)**			
1	Number of Grievances / Complaints Received	350	00	Complaints received since 2015
2	Number of grievances / complaints redressed / resolved	347	00	Almost all grievances resolved by the end of reporting period
3	Percent of grievances / complaints redressed / resolved	99	0	
4	Number of New Complaints received	01	0	
5	Number of grievances / complaints under process of resolution	04	04	
6	Number of grievances stand unresolved	02	02	
7	Number of IGRC Meetings conducted	02	–	
➢	**Internal Monitoring and Evaluation(M&E)**			
1	Compensation Payments (in Billion)	19.05	0.02	
2	Compensation Payments Entries in MIS (Number)	10,700	201	
3	Preparation of ESMR Files	1,878	0	
4	Release of ESMR Payment (in Million)	2904.65	658.00	
5	ESMR Payment Data Entry in MIS	831	188	
6	TRP Payments (in Million) (AHHs & Commercial Structure)	83.649	9.795	
7	TRP Data Entry in MIS (Number)	1,293	63	
8	Preparation of Compensation Payment Summaries for WAPDA Submission (Million)	19.16	0	
9	Submissions of Compensation Payment Summaries to WAPDA for Adjustment (Million)	18.82	0	
10	PAPs Documents Organization (Number)	31,837	0	
11	PAPs Documents Uploading in MIS (Number)	23,111	0	
12	Development and Operationalization of MIS Developed Modules	11	0	
13	Number of Internal M&E (SRMP & EMAP) Reports	11	0	
14	Lease Payment (Amount in Million)	548.27	0	
15	Lease Payment Data Entry in MS Excel Database	516	0	
➢	**Development of Management Information System (MIS)**			
1	Total Modules to be Developed	16	1	➢ Web portal & Communication are merged into one M&E and Reporting system are also merged into one
2	Number of Modules Completed	12	0	Land Acquisition, Resettlement, IGRC, LADP , IMM,PH, Reporting System, Web Portal, Lease, Gender, PC&P, Communication
3	Number of Modules Partially Completed	02	2	Environment, Downstream Reports
4	Number of Modules in Progress / Up-grades	03	1	Environment, Downstream, OHS
5	Number of Remaining Modules (Development yet to be started)	1	1	Ecology
6	MIS Development Work Completed (%)	86	1	This percentage is for MIS development activities.

7.14 Implantation Plan of S&R Teams for Next Month

Sr. No	Activity	Timeline	Status / Remarks
➢	**Land Acquisition and Compensation Payment (LA&CP)**		
1	Digitization of rectified revenue record received from LAC	Continuous Tasks / Activities Delivered as per agreed timelines as well as urgent requirements	About 93% of land has been acquired so far. Land leasing of Kass is in progress. Land Acquisition of KKH-01 and KKH-02 Additional Land is in progress. Assessments of built-up property and fruit trees of remaining components in progress. Compensation payments in progress.
2	GIS verification of targeted components as per timelines		
3	Preparation of Corrigendum u/s-4 for submitting to WAPDA & LAC		
4	Verification of cost assessments of land and land-based assets (Trees & Built-up Property) of required components		
5	Update the status of LA and GIS verification for submitting to WAPDA		
➢	**Resettlement & Relocation (R&R)**		
1	Preparation of ESMR Files	Continuous	Various villages
2	Collection of document from Community for ESMR Files	Continuous	
3	Monitoring of under construction resettlement sites	Continuous	Visit to all ongoing site will be carried during the month
4	Preparation of TRP files and Distribution of TRP Cheque	Continuous	Payment to the beneficiaries who already receiving the TRP
5	Matching AHHs data of remaining villages with GIS Verified record.	Continuous	GIS verification of some villages is awaited.
6	Other Key Activities(Letter, meetings with WAPDA, Contractor and stakeholders)	Continuous	As needed
➢	**Public Consultation and Participation (PC&P)**		
1	Consultation regarding issues related to ongoing resettlement Sites (under construction)	Continuous	As and when needed – Resolution of pending issues will be continued
2	Consultation regarding new resettlement sites	Continuous	Consultation regarding technical issue arose (If any)
3	Consultation regarding LADP Schemes	Continuous	Consultation regarding Package III and IV schemes are scheduled
4	Consultation regarding submission of Documents for ESMR Files	Continuous	Consultation for submission of documents and to answer the queries of community regarding ESMR Package
➢	**Income and Livelihood Restoration Program (ILRP)**		
1	Survey/Assessment on Efficient Utilization of Compensation Money	Continues activities	Continues activities
2	Proposal on Fish Farm		Proposal will be finalized soon
3	Assessment of Commercial Structure	File preparation is in progress	File preparation is in progress
4	Working with resettlement team regarding SMR and RVs files	Continues activities	Continues activities
5	Working on SMR paid files for project allowance	Continues activities	Continues activities
➢	**Local Area Development Program (LADP)**		
1	Preparation of Bidding Document of remaining schemes	Continuous	
2	Finalization of Design of remaining schemes	Continuous	
3	Finalization of Feasibility assessment of remaining schemes	Continuous	
4	Preparation of design of remaining 06 schemes (Not yet started)	Continuous	
5	Supervision of construction works of 02 schemes (Jalkot Bridge and RHC)	Continuous	
➢	**Gender Implementation Plan (GIP)**		
1.	Third Meeting of Gender Core Workgroup	Last Week of Jan for the 3rd meeting	Discussions have been made with WAPDA as Project has some concrete set of activities now.
2.	Visit to Kuz Chuchang site for Establishment of VTC for a group of 25 Women.	Last Week of January	Pilot Phase Training center in Kuz Chuchang Village will be started in February; Once WAPDA complete the purchases required. Contract for teacher will be approved and the course will be started.
3.	Follow-Up sessions with selected Ullema, for the third batch of trainings to have their feedback for an updated course in future.	2nd Week of Jan, 2023.	
4.	Gender Sensitization Session With CBGT/ WVCs in selected Villages	2nd Week of January	Awareness sessions with women and men in purana Seo village
5.	Gender Sensitization session held with Various Target Group (PMU, DHC, Contractor and other Stakeholders)	1st week of January	-
6.	Preparation of Implementing Plan on SH&HP for further villages and follow ups with the existing villages	Feb 2023	Health and hygiene kits have been developed and sent to WAPDA Office for approval and purchase.
7.	Implementation on EPP Plan will be decided in GCW Meeting	A concept note for Community Girls School will be finalized in end of January,2023	Process of engaging with E & SEF is in right direction and the department agreed to collaborate and take over the schools after two years.
8.	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted		Preparations of 3rd batch of Ullema workshop in Islamabad List of new Ulema for the training is developed for the third batch Preparations for a Workshop on 'Importance of Girls' education and progress tracking workshop.
➢	**In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)**		
1	Collection of workforce data and entry in MIS	Continuous activity	
2	Awareness Sessions with Labor	Continuous activity	
3	Awareness Sessions with Community	Continuous activity	New IMM Specialist will join soon
4	Camp Inspection	Continuous activity	
➢	**Communication Plan (CP)**		
1	Consultation regarding issues related to ongoing resettlement Sites (under construction)	Continuous	As and when needed – Resolution of pending issues will be continued
2	Consultation regarding new resettlement sites	Continuous	Consultation regarding technical issue arose (If any)
3	Consultation regarding LADP Schemes	Continuous	Consultation regarding Package III and IV schemes are scheduled
4	Consultation regarding submission of Documents for ESMR Files	Continuous	Consultation for submission of documents and to answer the queries of community regarding ESMR Package

Sr. No	Activity	Timeline	Status / Remarks
1	Consultation regarding issues related to ongoing resettlement Sites (under construction)	Continuous	As and when needed – Resolution of pending issues will be continued
➢	**Grievances Redress Plan (GRP)**		
1	Meetings of IGRC Members for resolution of pending cases	Delayed	Meeting could not be conducted in the reporting month
2	Entry of existing complaints into MIS	Delayed	CMS has been completed by MIS Specialist. Data has been entered
3	Registration of new grievances / complaints	Continuous	New complaints will be registered and entered into the system
4	Preparation of updated reports	Continuous	Report for next month will be prepared
➢	**Downstream Impact Management Plan of Fishing Communities (DIMP)**		
1	Follow-up with Provincial Fisheries Department to finalize MoU for signing	Delayed	MoU not yet finalized and being followed up with Fisheries Department.
2	Publishing of Booklet on “Importance of Fisheries and Cultivable Fish”	Delayed	Under review process with Fisheries Department, KPK.
3	Draft Proposal on Fisheries Entrepreneurship Program	Delayed	Meeting with fish farmers and field visit to be conducted.
➢	**Internal Monitoring and Evaluation(M&E)**		
1	Submission of MPR on M&E Section	10-02-2023	
2	Preparation of Compensation Payment Summaries/Submissions	28-02-2023	
3	PAPs documents uploading	Continuous	
4	Support in Development of MIS	Continuous	
5	Compensation and TRP Payments	Continuous	
6	Review of comments on ESMR Referred Back files from FVC and Remove Deficiencies	Continuous	
7	Resettlement Allowances Payments and Data Management	Continuous	
8	Monthly M&E Reports on SRMP (Jul and Aug)	03-02-2023	
➢	**Development of Management Information System (MIS)**		
1	Development of UA UC & NM Module	February 2023	Development of all features of UA UC & NM system
2	OHS Progress Review Reports module to be analyzed	February 2023	All features of OHS progress review reports to be discussed and analyzed
3	Technical Support / development of new features in existing modules if required	February 2023	Maintenance of developed and operational modules. It can include improvements in existing systems, addition of new features in existing modules as per requirements

FIGURES

Figure 1 [1/1]

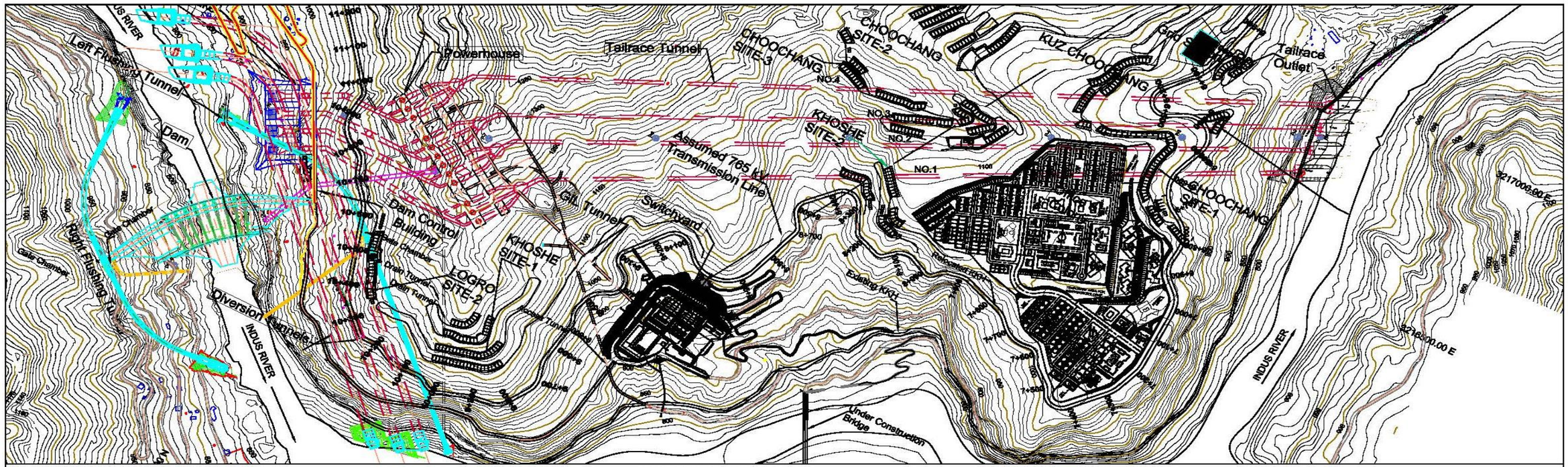


Figure 1: Layout Plan & Waterway Profile

No.		Major Activities of Consultancy Services
		1) Assistance in bidding of prepratory works
		2) Assistance in bidding of mainworks & EM-01
		3) Construction supervision, contract management, and post-construction
		4) Land compensation and resettlement
		5) Assistance in SRMP and EMAP

No.		Contract Packages
1	MW-01	Dam & appurtenant structures
2	MW-02	Underground powerhouse complex
3	EM-01	Electro-mechanical equipment (Not commenced)
4	KKH-01	Dasu/Kaigah section
5	RAR-01	Komila/Dam road
6	KKH-02	Kaigah/Shatial section
7	RAR-02	Dam/UttarGah road
8	RAR-03	Uttar Gah (Not commenced)
9	Transmission Line	
9.1	TL-01	132 kV Transmission Line
9.2	TL-02	11kV Distribution Line (Not commenced)
10	Infrastructures	
10.1	PCI-01R	Colony construction, stage1
10.2	PCI-02	Colony construction, stage2 (Not commenced)
10.3	Dasu-RV	RV Choochang & Shatial Museum
10.4	LBRV-11	Resettlement Village
10.5	LBRV-12	Resettlement Village
10.6	LBRV-13	Resettlement Village (Not commenced)
10.7	RBRV-11	Resettlement Village (Not commenced)
10.8	RBRV-12	Resettlement Village (Not commenced)
10.9	RV-01	Resettlement Village (Not commenced)
10.10	RV-02	Resettlement Village (Not commenced)
10.11	VTC-01	Vocational Training Centers (Not commenced)
11	Local Area Development Project	

No.	Task No.	Consultancy Services
		Amendment 4A + Time Extension for Assignment B
1	Task-B1	Preparation of Construction Design
2	Task-B2	Contract Management
3	Task-B3	Construction Supervision
4	Task-B4	Support Implementation in EMP&RAP
5	Task-B5	Operation & Maintenance (O&M)
6	Task-B6	Program for Post-Construction Services
7	Task-B0	Additional Tasks
7.1	Task B0.1	Tendering and Contracting (added by Amendment No.2)
7.2	Task B0.2	Supervision of ongoing Investigations Part 1 (added by Amendment No.2)
7.3	Task B0.3	Additional Studies and Supervision of Local Area Development Program (LADP) Schemes (added by Amendment No.4A)
7.4	Task B0.4	Supervision of Ongoing Investigation Part 2 (added by Amendment No.4A)
		Additional Scope for OHS
7.5	Task B0.5	Occupational Health and Safety (Added by Amendment 4-OHS)
7.6	Task B0.6	Updating Detailed Design, Time Schedule and Cost Estimate for Dasu Stage-II (Added by this amendment)

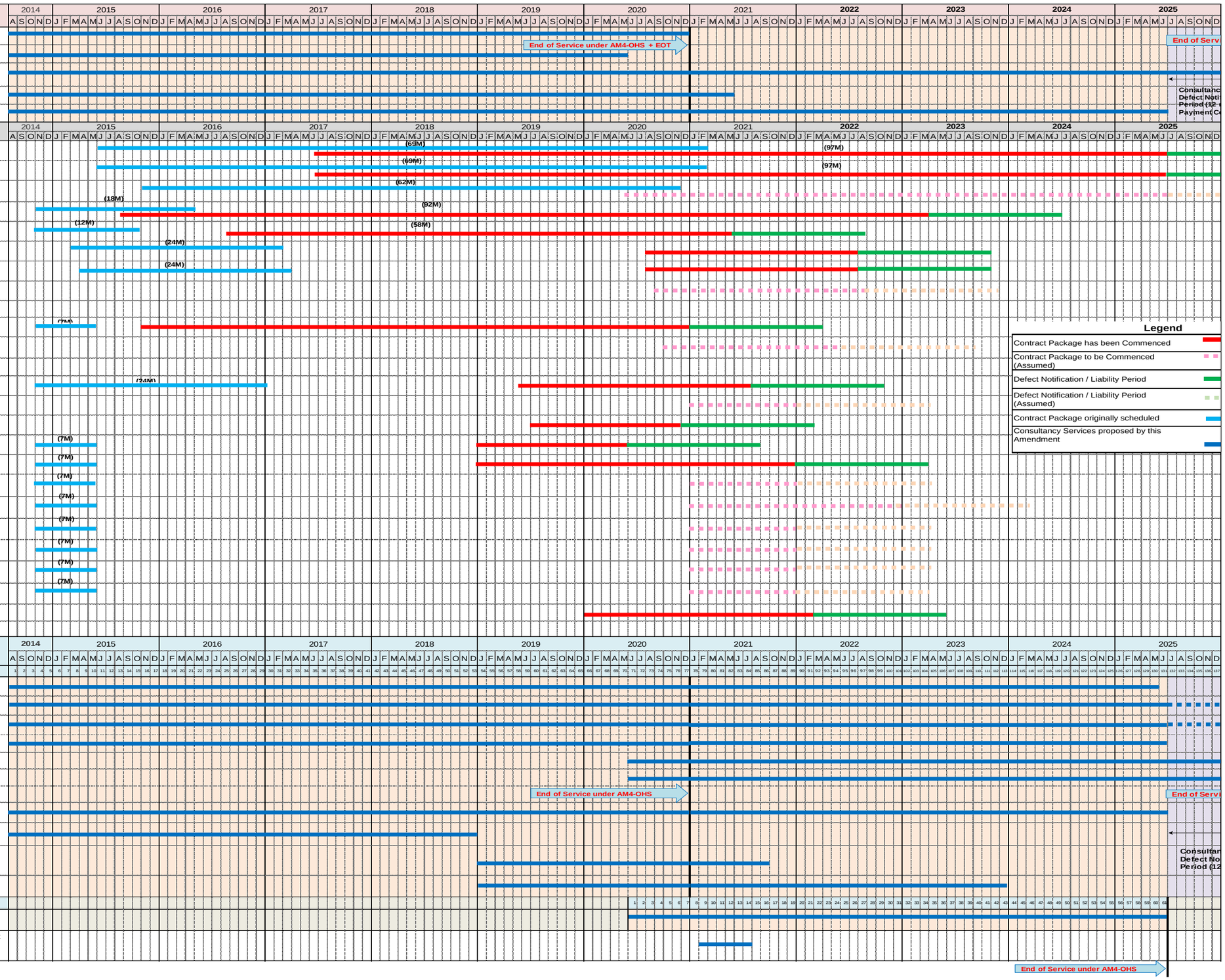


Figure 2: Implementation Schedule

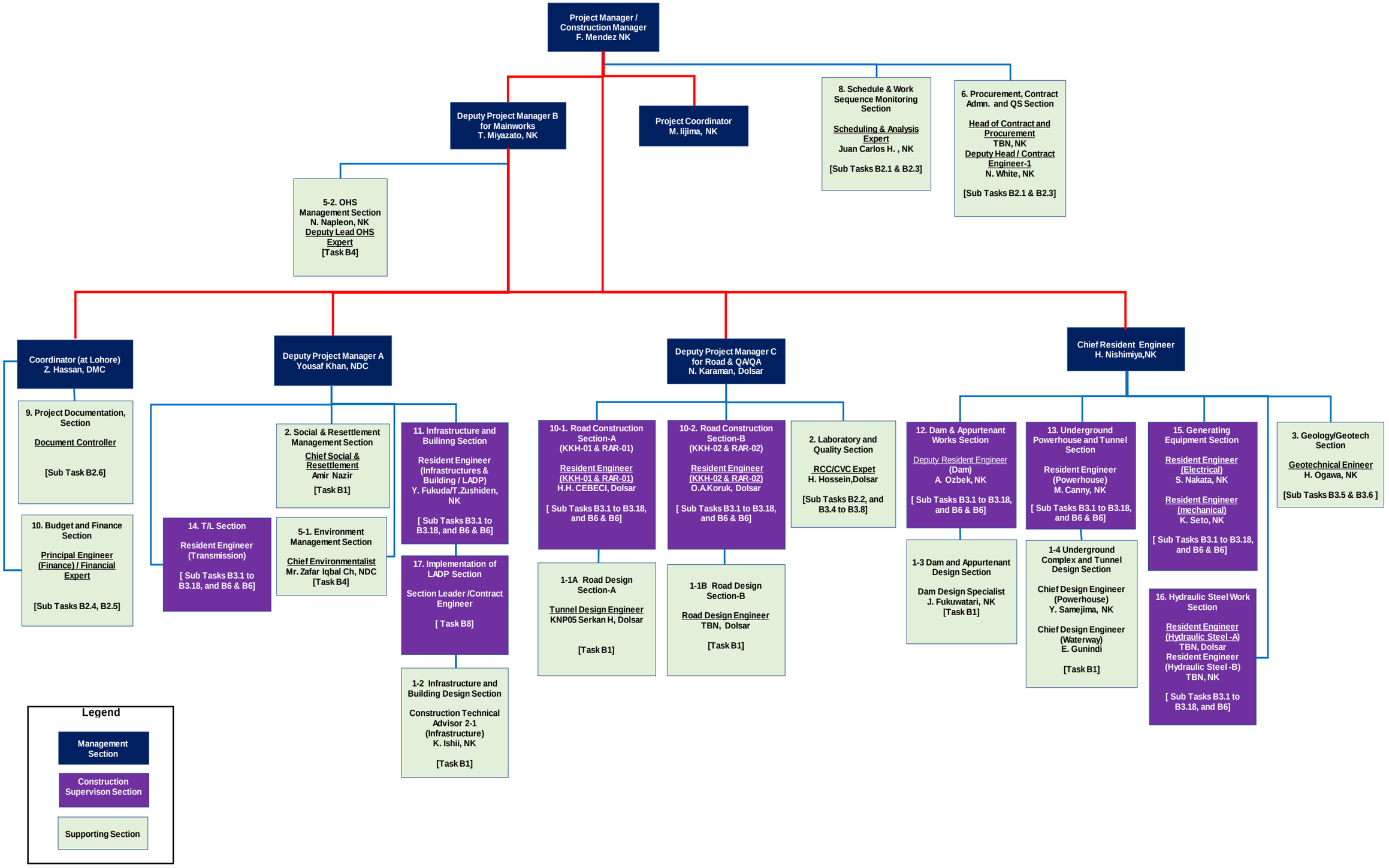


Figure 3: Organization for Consultant Team of Dasu Hydropower Project for Assignment-B

Work Progress
Upto Reporting Month

Sr. No.	Work Activity		% age	2014 (A S O N D)	2015	2016	2017	2018	2019	2020	2021	2022	2023
				1 to 5	January to December 6 to 17	January to December 18 to 29	January to December 30 to 41	January to December 42 to 53	January to December 54 to 65	January to December 66 to 77	January to December 78 to 89	January to December 90 to 101	January to December 102 to 113
	i) Assistance in Bidding of Preparatory Works		99%										
			99%										
	ii) Assistance in Biddingg of Main Works		98%										
			97%										
	iii) Preparation of Construction Drawings		65%										
			54%										
	iv) Land Compensation and Resettlement		98%										
			67%										
	v-a) Assistance in Social & Resettlement Management Plan		96%										
			57%										
	v-b) Assistance in Environment Management Action Plan (EMAP)		92%										
			88%										
1	Task-B0	Supervision of Ongoing Investigations	95%										
			93%										
2	Task-B1	The Engineer during Assignment-B	55%										
			42%										
3	Task-B2	Contract Management	60%										
			52%										
4	Task-B3	Construction Supervision	58%										
			50%										
5	Task-B4	A) Support in Implementation of Resettlement Action Plan	88%										
			79%										
6	Task-B4	B) Support in Implementation of Environment Management Plan	57%										
			45%										

SCHEDULE
PROGRESS

Figure 4: Work Progress

DASU CONTRACTS PROCUREMENT SCHEDULE (January, 2023)

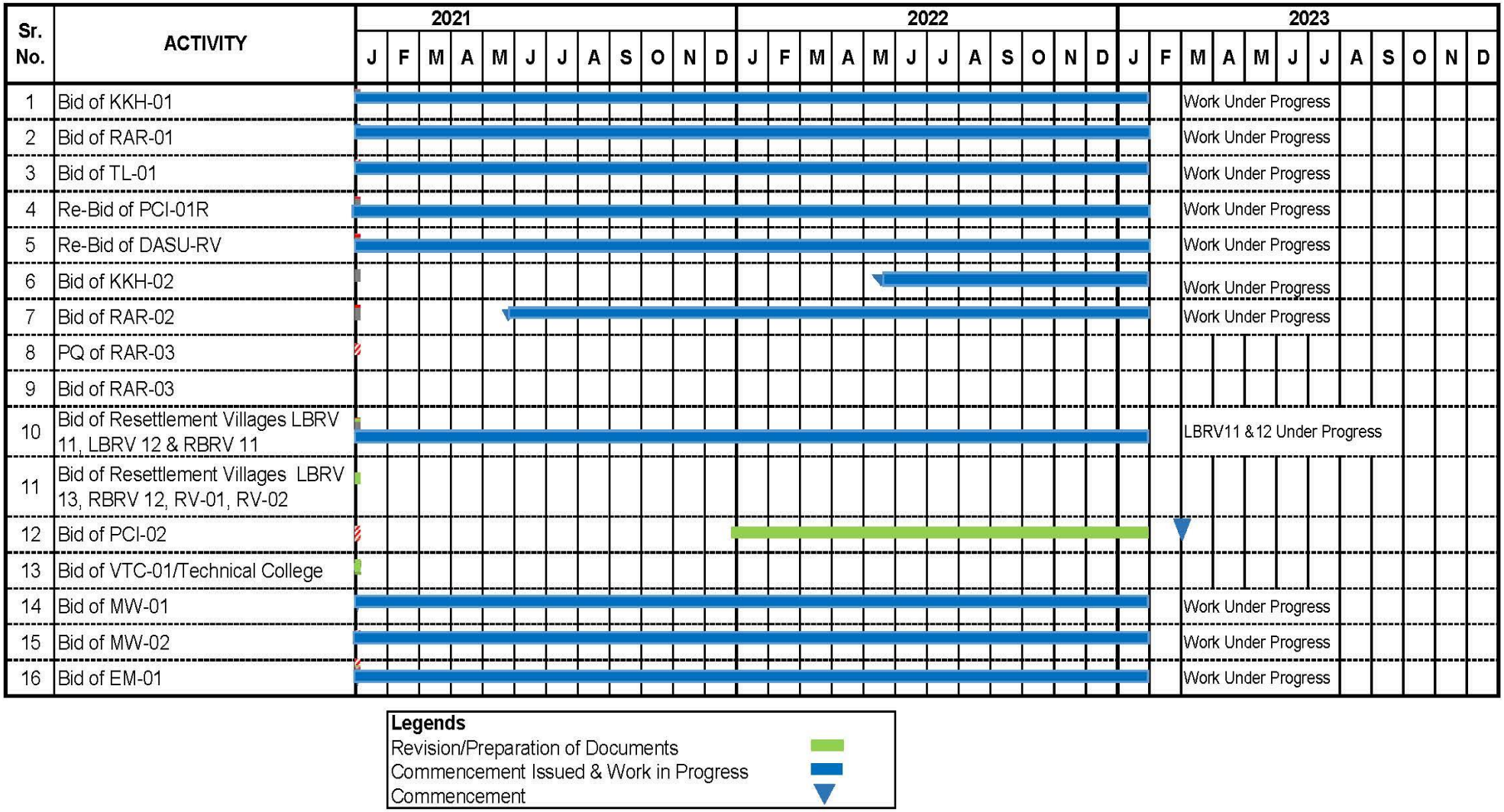


Figure 5: Contracts Procurement Schedule

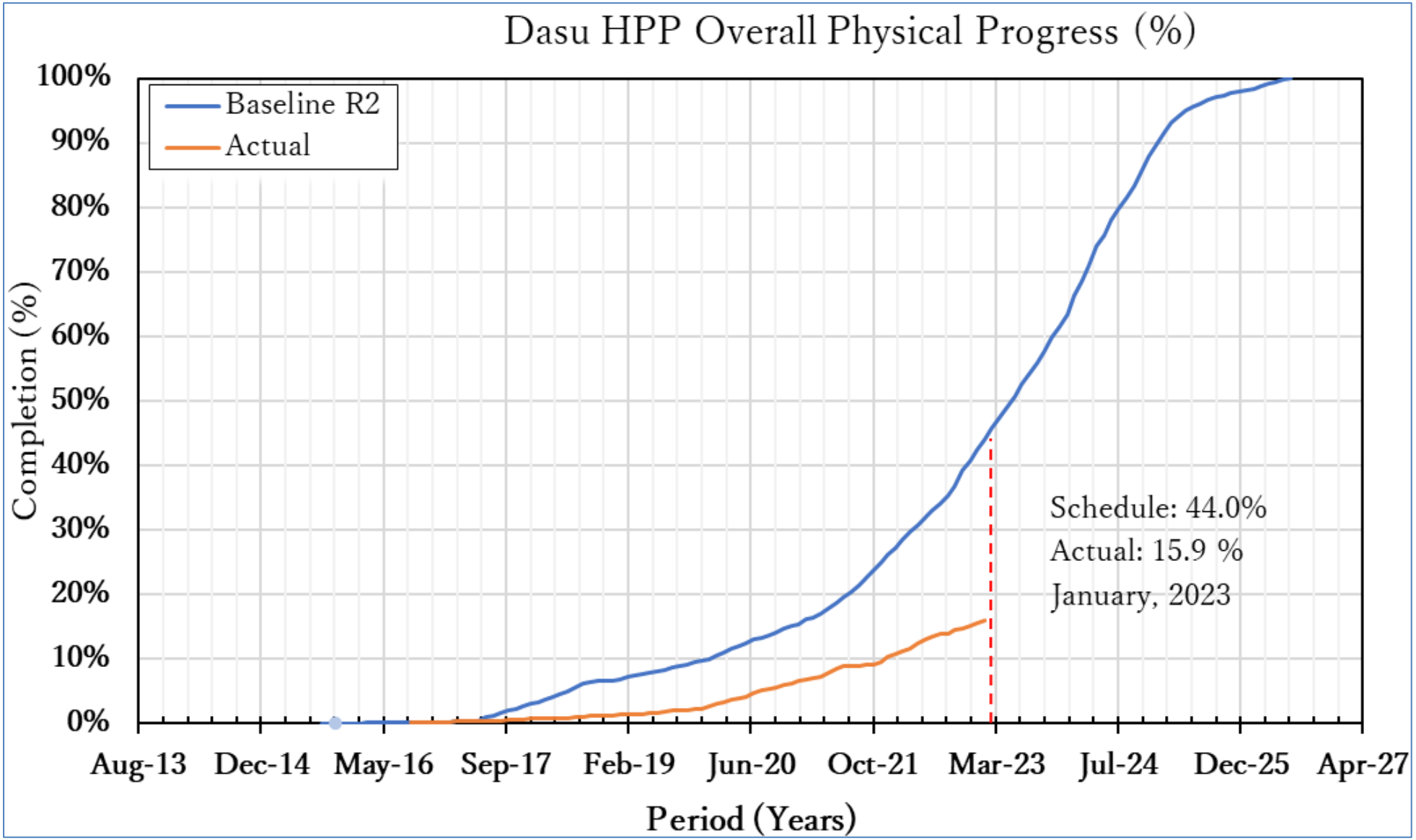


Figure 6: Dasu HPP Overall Progress (Physical Progress)

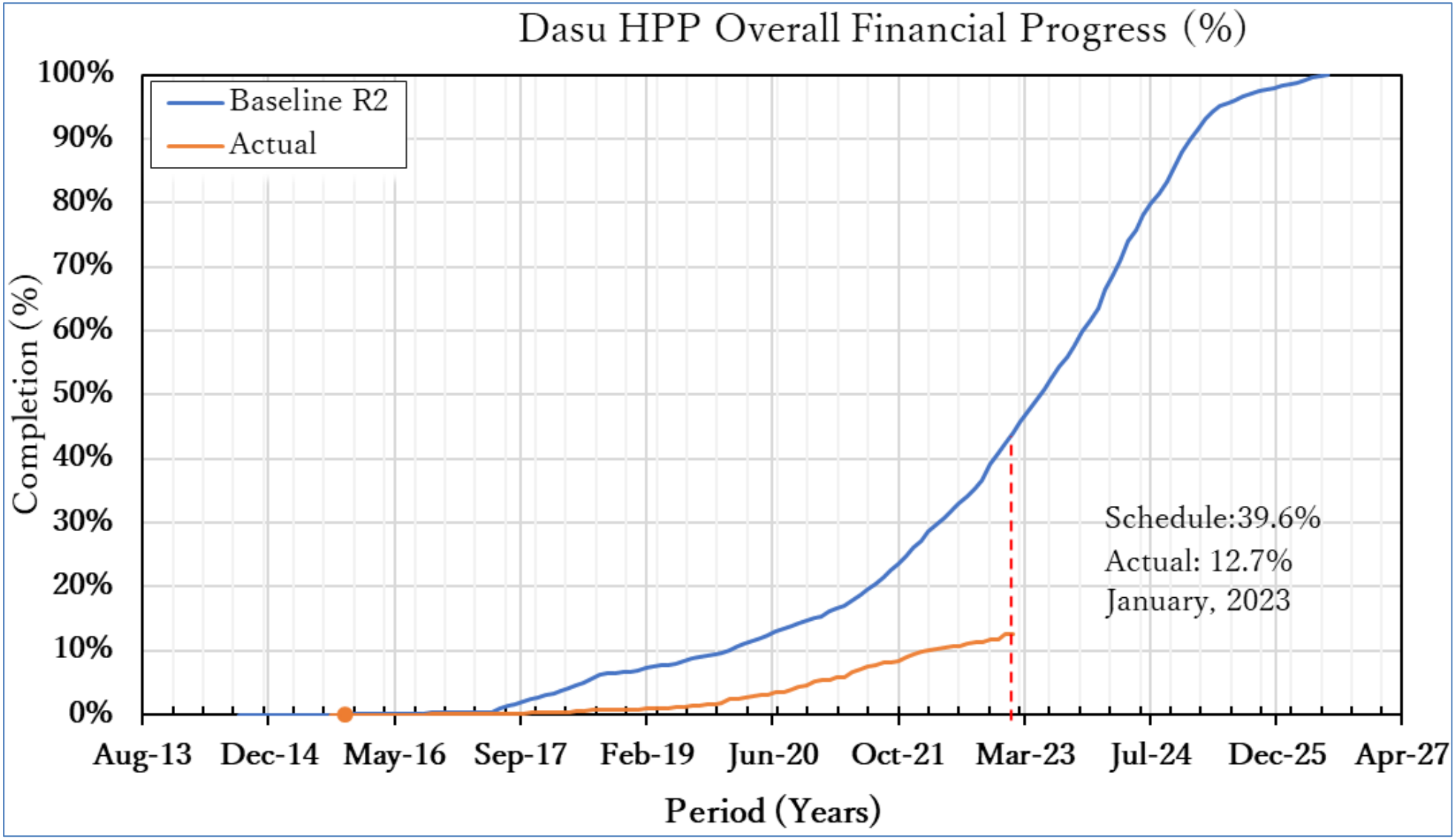


Figure 7: Dasu HPP Overall Progress (Financial Progress)

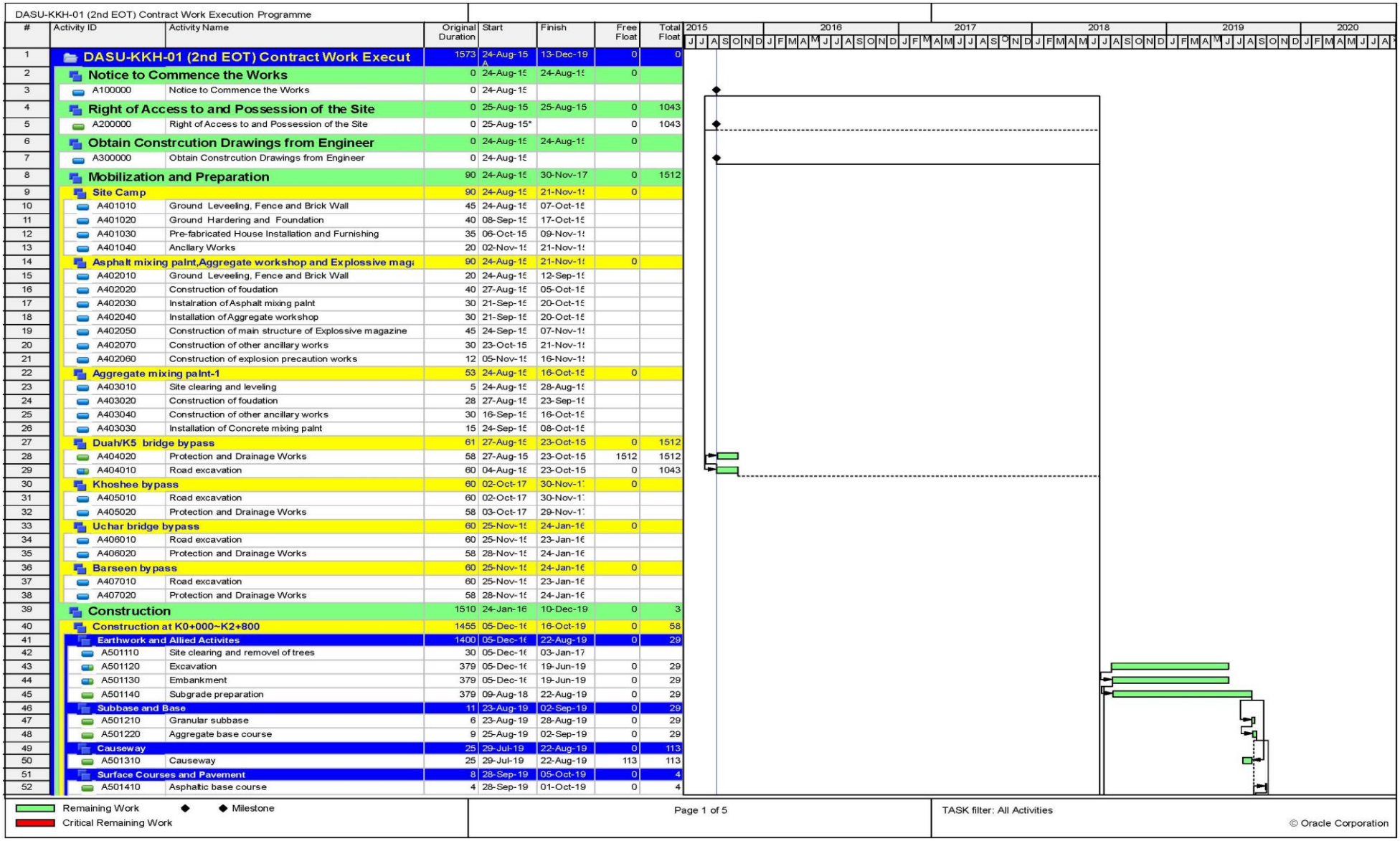
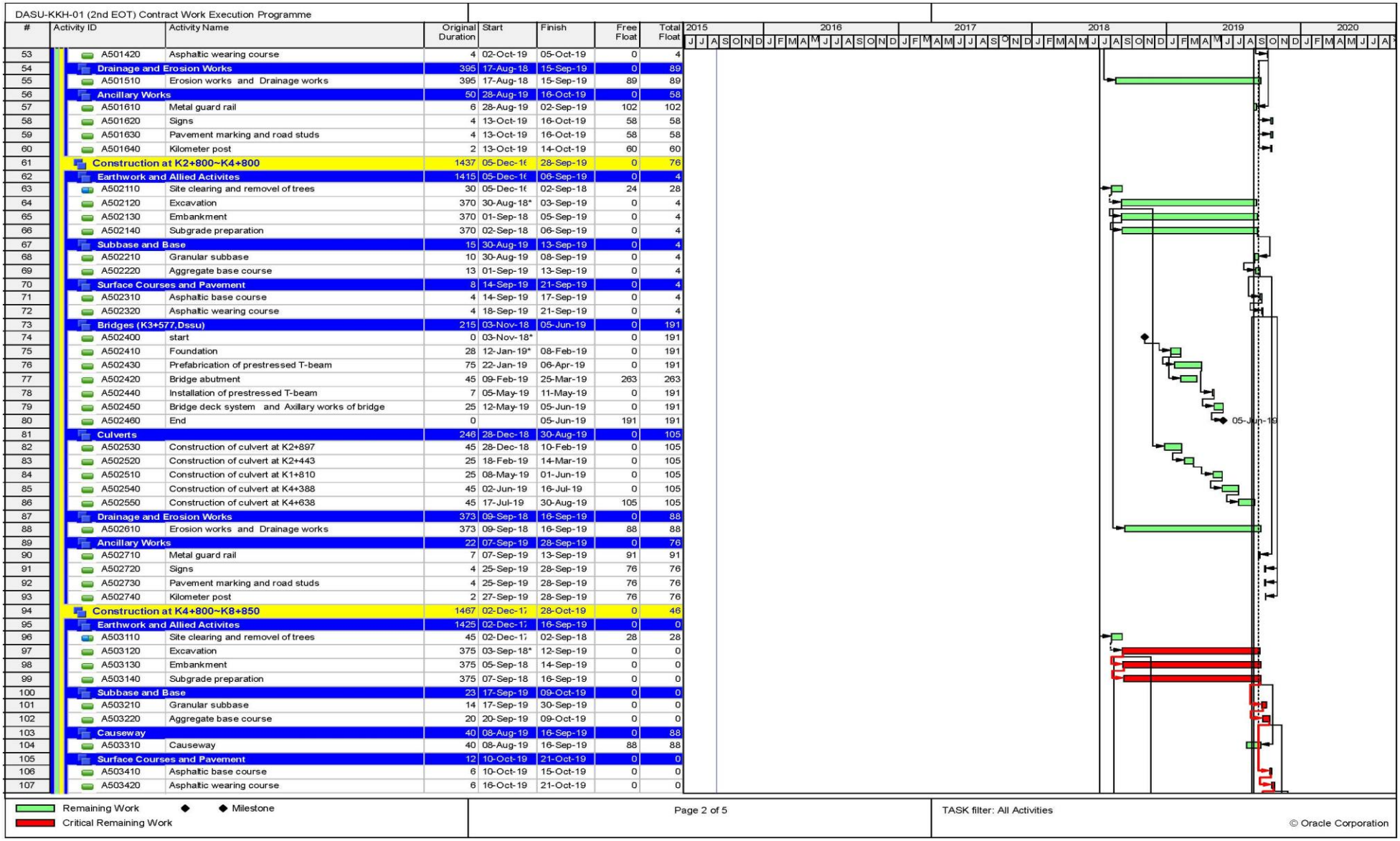


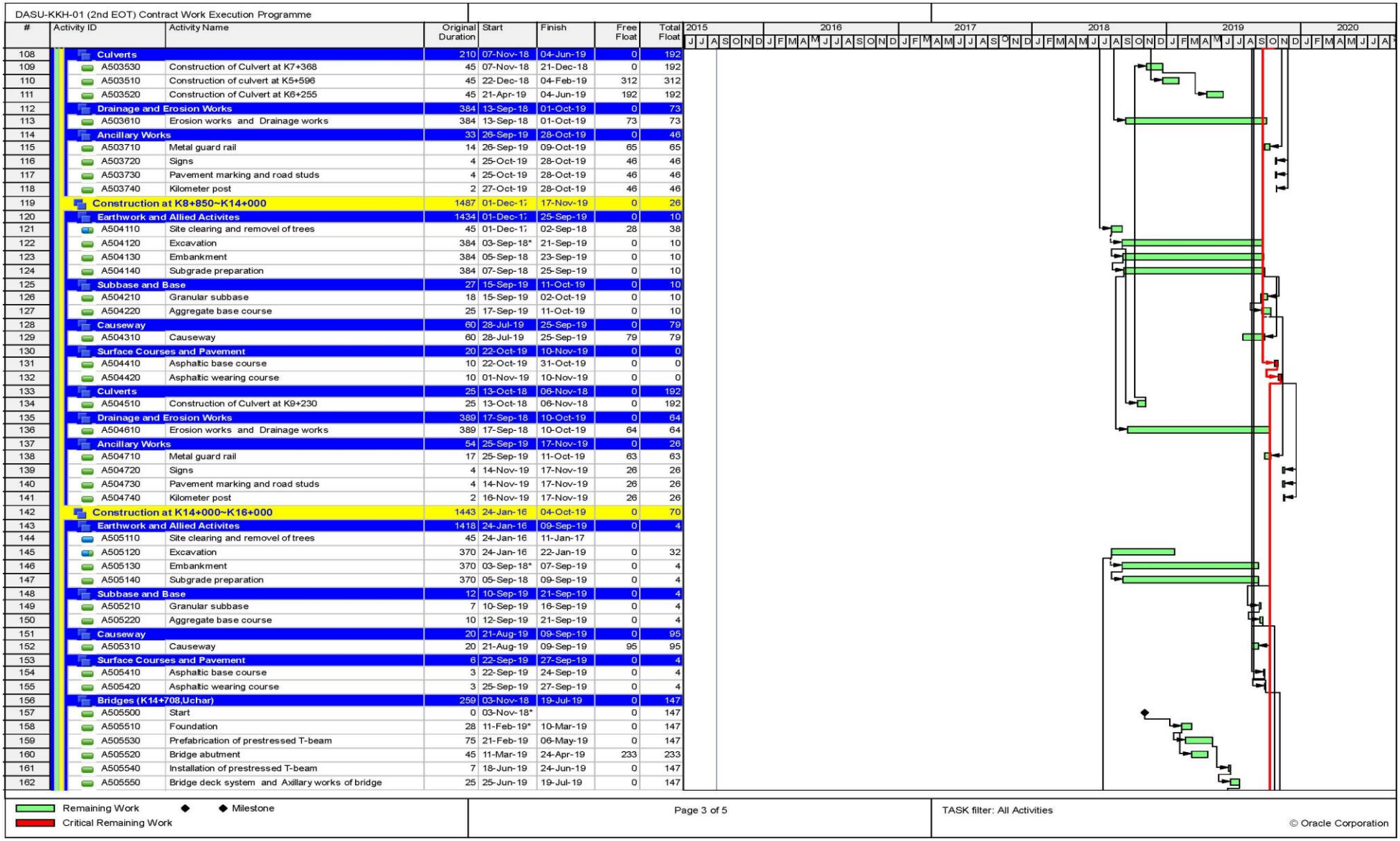
Figure 8: Gantt Chart of Dasu-KKH-01 (1 of 5)

Figure 8 [2/5]



Gantt Chart of Dasu-KKH-01 (2 of 5)

Figure 8 [3/5]



DASU-KKH-01 (2nd EOT) Contract Work Execution Programme

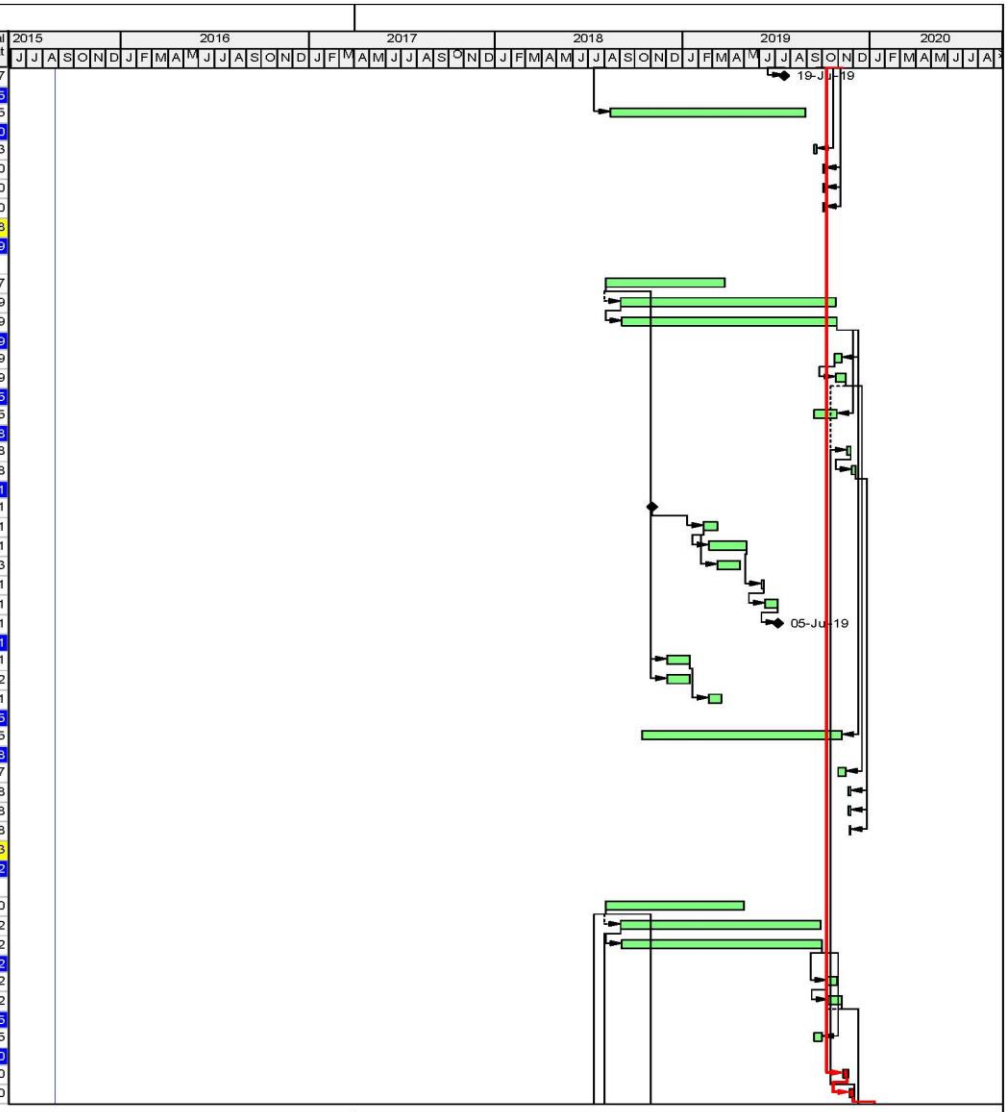
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
108		**Culverts**	210	07-Nov-18	04-Jun-19	0	192
109	A503530	Construction of Culvert at K7+368	45	07-Nov-18	21-Dec-18	0	192
110	A503510	Construction of culvert at K5+596	45	22-Dec-18	04-Feb-19	312	312
111	A503520	Construction of Culvert at K6+255	45	21-Apr-19	04-Jun-19	192	192
112		**Drainage and Erosion Works**	384	13-Sep-18	01-Oct-19	0	73
113	A503610	Erosion works and Drainage works	384	13-Sep-18	01-Oct-19	73	73
114		**Ancillary Works**	33	26-Sep-19	28-Oct-19	0	46
115	A503710	Metal guard rail	14	26-Sep-19	09-Oct-19	65	65
116	A503720	Signs	4	25-Oct-19	28-Oct-19	46	46
117	A503730	Pavement marking and road studs	4	25-Oct-19	28-Oct-19	46	46
118	A503740	Kilometer post	2	27-Oct-19	28-Oct-19	46	46
119		**Construction at K8+850~K14+000**	1487	01-Dec-17	17-Nov-19	0	26
120		**Earthwork and Allied Activites**	1434	01-Dec-17	25-Sep-19	0	10
121	A504110	Site clearing and removel of trees	45	01-Dec-17	02-Sep-18	28	38
122	A504120	Excavation	384	03-Sep-18*	21-Sep-19	0	10
123	A504130	Embankment	384	05-Sep-18	23-Sep-19	0	10
124	A504140	Subgrade preparation	384	07-Sep-18	25-Sep-19	0	10
125		**Subbase and Base**	27	15-Sep-19	11-Oct-19	0	10
126	A504210	Granular subbase	18	15-Sep-19	02-Oct-19	0	10
127	A504220	Aggregate base course	25	17-Sep-19	11-Oct-19	0	10
128		**Causeway**	60	28-Jul-19	25-Sep-19	0	79
129	A504310	Causeway	60	28-Jul-19	25-Sep-19	79	79
130		**Surface Courses and Pavement**	20	22-Oct-19	10-Nov-19	0	0
131	A504410	Asphaltic base course	10	22-Oct-19	31-Oct-19	0	0
132	A504420	Asphaltic wearing course	10	01-Nov-19	10-Nov-19	0	0
133		**Culverts**	25	13-Oct-18	06-Nov-18	0	192
134	A504510	Construction of Culvert at K9+230	25	13-Oct-18	06-Nov-18	0	192
135		**Drainage and Erosion Works**	389	17-Sep-18	10-Oct-19	0	64
136	A504610	Erosion works and Drainage works	389	17-Sep-18	10-Oct-19	64	64
137		**Ancillary Works**	54	25-Sep-19	17-Nov-19	0	26
138	A504710	Metal guard rail	17	25-Sep-19	11-Oct-19	63	63
139	A504720	Signs	4	14-Nov-19	17-Nov-19	26	26
140	A504730	Pavement marking and road studs	4	14-Nov-19	17-Nov-19	26	26
141	A504740	Kilometer post	2	16-Nov-19	17-Nov-19	26	26
142		**Construction at K14+000~K16+000**	1443	24-Jan-16	04-Oct-19	0	70
143		**Earthwork and Allied Activites**	1418	24-Jan-16	09-Sep-19	0	4
144	A505110	Site clearing and removel of trees	45	24-Jan-16	11-Jan-17		
145	A505120	Excavation	370	24-Jan-16	22-Jan-19	0	32
146	A505130	Embankment	370	03-Sep-18*	07-Sep-19	0	4
147	A505140	Subgrade preparation	370	05-Sep-18	09-Sep-19	0	4
148		**Subbase and Base**	12	10-Sep-19	21-Sep-19	0	4
149	A505210	Granular subbase	7	10-Sep-19	16-Sep-19	0	4
150	A505220	Aggregate base course	10	12-Sep-19	21-Sep-19	0	4
151		**Causeway**	20	21-Aug-19	09-Sep-19	0	95
152	A505310	Causeway	20	21-Aug-19	09-Sep-19	95	95
153		**Surface Courses and Pavement**	6	22-Sep-19	27-Sep-19	0	4
154	A505410	Asphaltic base course	3	22-Sep-19	24-Sep-19	0	4
155	A505420	Asphaltic wearing course	3	25-Sep-19	27-Sep-19	0	4
156		**Bridges (K14+708,Uchar)**	259	03-Nov-18	19-Jul-19	0	147
157	A505500	Start	0	03-Nov-18*		0	147
158	A505510	Foundation	28	11-Feb-19*	10-Mar-19	0	147
159	A505530	Prefabrication of prestressed T-beam	75	21-Feb-19	06-May-19	0	147
160	A505520	Bridge abutment	45	11-Mar-19	24-Apr-19	233	233
161	A505540	Installation of prestressed T-beam	7	18-Jun-19	24-Jun-19	0	147
162	A505550	Bridge deck system and Axillary works of bridge	25	25-Jun-19	19-Jul-19	0	147

Gantt Chart of Dasu-KKH-01 (3 of 5)

Figure 8 [4/5]

DASU-KKH-01 (2nd EOT) Contract Work Execution Programme

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
163	A505560	End	0		19-Jul-19	147	147
164	Drainage and Erosion Works		382	14-Aug-18	30-Aug-19	0	105
165	A505610	Erosion works and Drainage works	382	14-Aug-18	30-Aug-19	105	105
166	Ancillary Works		20	15-Sep-19	04-Oct-19	0	70
167	A505710	Metal guard rail	7	15-Sep-19	21-Sep-19	83	83
168	A505720	Signs	3	02-Oct-19	04-Oct-19	70	70
169	A505730	Pavement marking and road studs	3	02-Oct-19	04-Oct-19	70	70
170	A505740	Kilometer post	2	03-Oct-19	04-Oct-19	70	70
171	Construction at K16+000~K20+600		1505	24-Jan-16	05-Dec-19	0	8
172	Earthwork and Allied Activites		1468	24-Jan-16	29-Oct-19	0	9
173	A506110	Site clearing and removel of trees	45	24-Jan-16	24-Jan-16		
174	A506120	Excavation	420	24-Jan-16	24-Mar-19	0	37
175	A506130	Embankment	420	03-Sep-18*	27-Oct-19	0	9
176	A506140	Subgrade preparation	420	05-Sep-18	29-Oct-19	0	9
177	Subbase and Base		24	24-Oct-19	16-Nov-19	0	9
178	A506210	Granular subbase	16	24-Oct-19	08-Nov-19	0	9
179	A506220	Aggregate base course	22	26-Oct-19	16-Nov-19	0	9
180	Causeway		45	15-Sep-19	29-Oct-19	0	45
181	A506310	Causeway	45	15-Sep-19	29-Oct-19	45	45
182	Surface Courses and Pavement		18	18-Nov-19	05-Dec-19	0	8
183	A506410	Asphaltic base course	9	18-Nov-19	26-Nov-19	0	8
184	A506420	Asphaltic wearing course	9	27-Nov-19	05-Dec-19	0	8
185	Bridges (K20+044,Barseen)		245	03-Nov-18	05-Jul-19	0	161
186	A506500	Start	0	03-Nov-18*		0	161
187	A506510	Foundation	28	11-Feb-19*	10-Mar-19	0	161
188	A506530	Prefabrication of prestressed T-beam	75	21-Feb-19	06-May-19	0	161
189	A506520	Bridge abutment	45	11-Mar-19	24-Apr-19	233	233
190	A506540	Installation of prestressed T-beam	7	04-Jun-19	10-Jun-19	0	161
191	A506550	Bridge deck system and Axillary works of bridge	25	11-Jun-19	05-Jul-19	0	161
192	A506560	End	0		05-Jul-19	161	161
193	Culverts		106	02-Dec-18	17-Mar-19	0	271
194	A506610	Construction of Culvert at K16+680	45	02-Dec-18	15-Jan-19	0	271
195	A506630	Construction of Culvert at K17+990	45	02-Dec-18	15-Jan-19	332	332
196	A506620	Construction of Culvert at K16+948	25	21-Feb-19	17-Mar-19	271	271
197	Drainage and Erosion Works		390	15-Oct-18	08-Nov-19	0	35
198	A506710	Erosion works and Drainage works	390	15-Oct-18	08-Nov-19	35	35
199	Ancillary Works		24	02-Nov-19	25-Nov-19	0	18
200	A506810	Metal guard rail	15	02-Nov-19	16-Nov-19	27	27
201	A506820	Signs	5	21-Nov-19	25-Nov-19	18	18
202	A506830	Pavement marking and road studs	5	21-Nov-19	25-Nov-19	18	18
203	A506840	Kilometer post	2	24-Nov-19	25-Nov-19	18	18
204	Construction at K20+600~K25+200 and Bypass		1510	25-Jun-16	10-Dec-19	0	3
205	Earthwork and Allied Activites		1438	25-Jun-16	29-Sep-19	0	2
206	A507110	Site clearing and removel of trees	35	25-Jun-16	29-Jul-16 A		
207	A507120	Excavation	390	25-Jun-16	01-May-19	0	30
208	A507130	Embankment	390	03-Sep-18*	27-Sep-19	0	2
209	A507140	Subgrade preparation	390	05-Sep-18	29-Sep-19	0	2
210	Subbase and Base		30	10-Oct-19	08-Nov-19	0	2
211	A507210	Granular subbase	20	10-Oct-19	29-Oct-19	0	2
212	A507220	Aggregate base course	28	12-Oct-19	08-Nov-19	0	2
213	Causeway		15	15-Sep-19	29-Sep-19	0	75
214	A507310	Causeway	15	15-Sep-19	29-Sep-19	75	75
215	Surface Courses and Pavement		22	11-Nov-19	02-Dec-19	0	0
216	A507410	Asphaltic base course	11	11-Nov-19	21-Nov-19	0	0
217	A507420	Asphaltic wearing course	11	22-Nov-19	02-Dec-19	0	0



Remaining Work
Critical Remaining Work
Milestone

Page 4 of 5

TASK filter: All Activities

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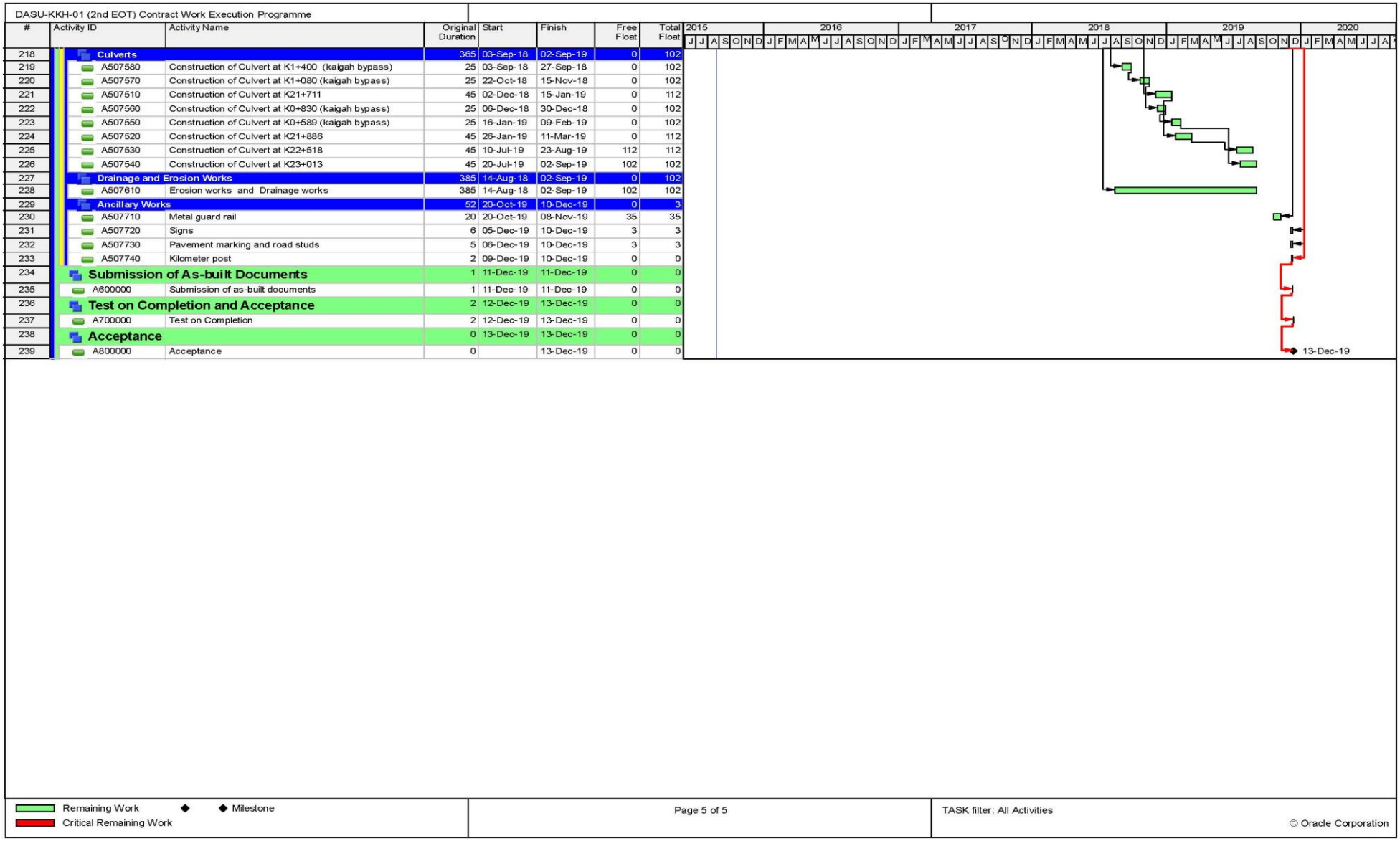
Gantt Chart of Dasu-KKH-01 (4 of 5)

Figure 8 [5/5]



Gantt Chart of Dasu-KKH-01 (5 of 5)

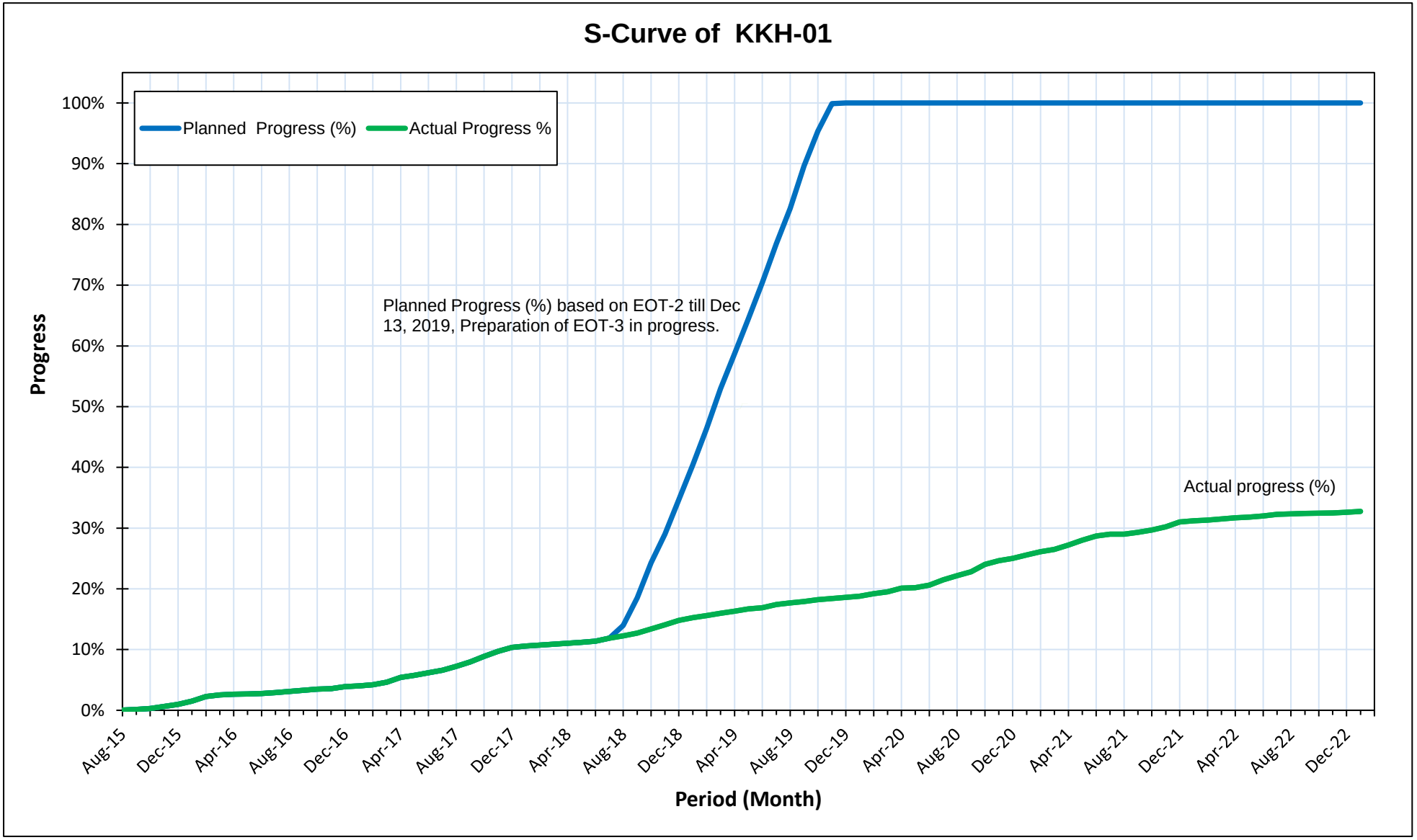


Figure 9: S Curve for Dasu-KKH-01

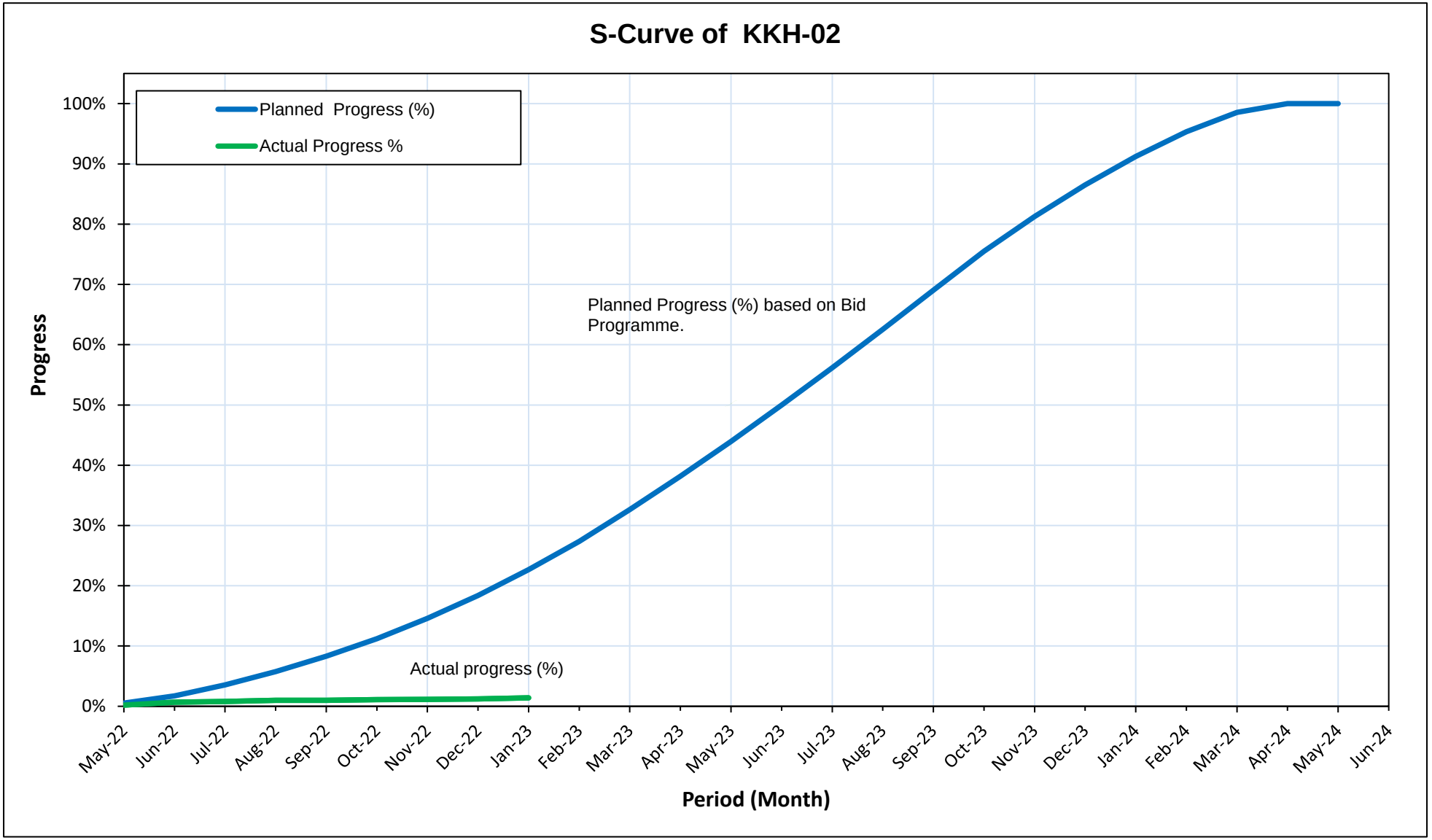
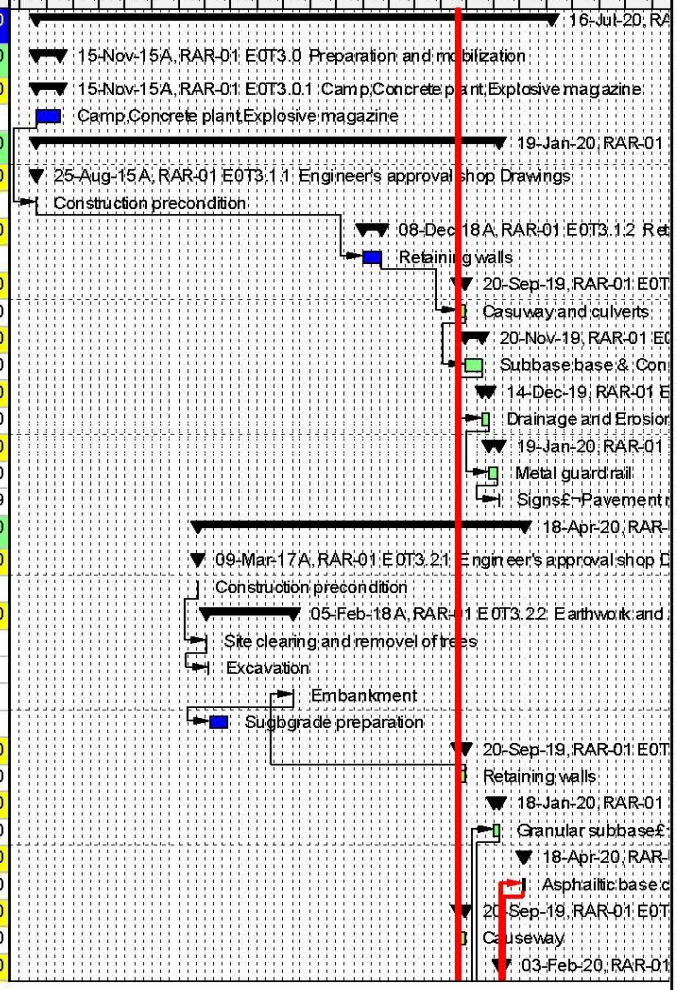


Figure 10: S Curve for Dasu-KKH-02

RAR-01 EoT-3 | Progress | 16-Jun-20 23:47

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float
RAR-01 E0T3	RAR-01 EoT-3	1789	24-Aug-15 A	16-Jul-20	0	0
RAR-01 E0T3.0	Preparation and mobilization	84	24-Aug-15 A	15-Nov-15 A		0
RAR-01 E0T3.0.1	Camp,Concrete plant,Explosive magazine	84	24-Aug-15 A	15-Nov-15 A		0
A1210101020	Camp,Concrete plant,Explosive magazine	84	24-Aug-15 A	15-Nov-15 A		
RAR-01 E0T3.1	K0+000¡«K1+590	1610	24-Aug-15 A	19-Jan-20	179	0
RAR-01 E0T3.1.1	Engineer's approval shop Drawings	2	24-Aug-15 A	25-Aug-15 A		0
A10100110	Construction precondition	2	24-Aug-15 A	25-Aug-15 A		
RAR-01 E0T3.1.2	Retaining walls	100	01-Oct-18 A	08-Dec-18 A		0
A10100210	Retaining walls	100	01-Oct-18 A	08-Dec-18 A		
RAR-01 E0T3.1.3	Casuway and culverts	20	01-Sep-19	20-Sep-19	179	0
A10100310	Casuway and culverts	20	01-Sep-19*	20-Sep-19	179	0
RAR-01 E0T3.1.4	Subbase base & Concrete pavement	60	22-Sep-19	20-Nov-19	179	0
A10100410	Subbase base & Concrete pavement	60	22-Sep-19*	20-Nov-19	179	0
RAR-01 E0T3.1.5	Drainage and Erosion Works	23	22-Nov-19	14-Dec-19	179	0
A10100810	Drainage and Erosion Works	23	22-Nov-19	14-Dec-19	179	0
RAR-01 E0T3.1.6	Ancillary Works	35	16-Dec-19	19-Jan-20	179	0
A10100910	Metal guard rail	30	16-Dec-19	14-Jan-20	179	0
A10100920	Signs£¬Pavement marking and road stubs£¬Kil	4	16-Jan-20	19-Jan-20	179	179
RAR-01 E0T3.2	K1+590¡«K2+100	1138	08-Mar-17 A	18-Apr-20	89	0
RAR-01 E0T3.2.1	Engineer's approval shop Drawings	2	08-Mar-17 A	09-Mar-17 A		0
A20100110	Construction precondition	2	08-Mar-17 A	09-Mar-17 A		
RAR-01 E0T3.2.2	Earthwork and Allied Activites	362	09-Apr-17 A	05-Feb-18 A		0
A20100210	Site clearing and removel of trees	10	09-Apr-17 A	09-Apr-17 A		
A20100220	Excavation	60	11-Apr-17 A	11-Apr-17 A		
A20100230	Embankment	60	05-Feb-18 A	05-Feb-18 A		
A20100240	Sugbgrade preparation	60	20-Apr-17 A	18-Jun-17 A		
RAR-01 E0T3.2.3	Retaining walls	20	01-Sep-19	20-Sep-19	300	0
A20100310	Retaining walls	20	01-Sep-19*	20-Sep-19	300	0
RAR-01 E0T3.2.4	Subbase and Base	20	30-Dec-19	18-Jan-20	145	0
A20100510	Granular subbase£¬Aggregate base course	20	30-Dec-19*	18-Jan-20	145	0
RAR-01 E0T3.2.5	Surface Courses and Pavement	8	11-Apr-20	18-Apr-20	0	0
A20100610	Asphaltic base course£¬Asphaltic wearing cour	8	11-Apr-20*	18-Apr-20	0	0
RAR-01 E0T3.2.6	Causeway	20	01-Sep-19	20-Sep-19	300	0
A20100710	Causeway	20	01-Sep-19*	20-Sep-19	300	300
RAR-01 E0T3.2.7	Drainage and Erosion Works	16	19-Jan-20	03-Feb-20	145	0



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work

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TASK filter: All Activities

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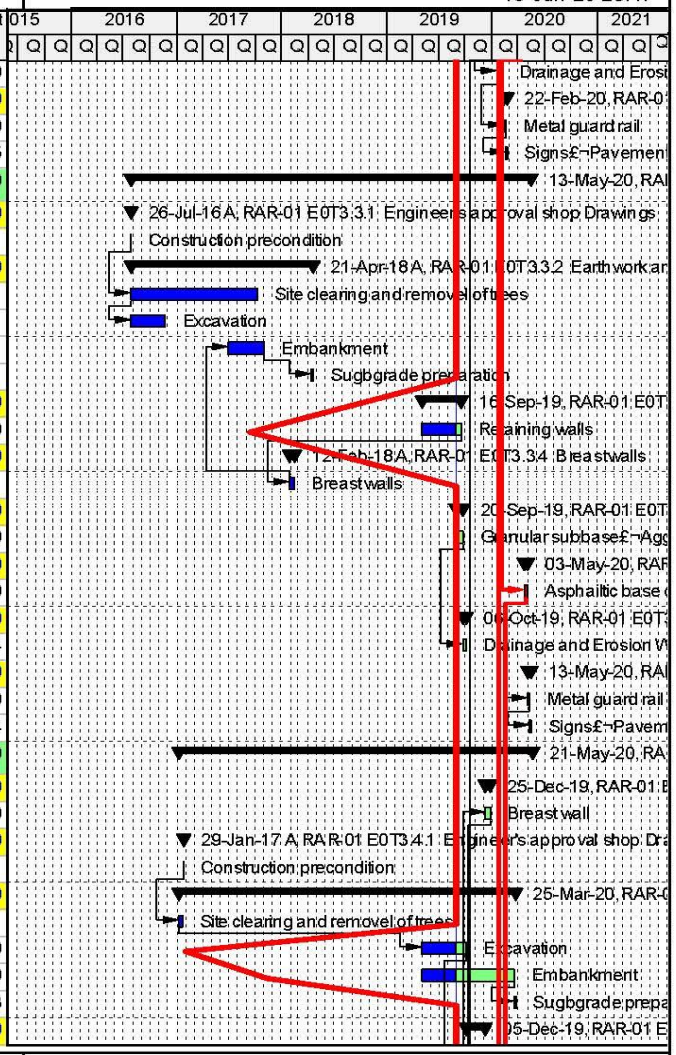
Figure 11: Gantt Chart of Dasu-RAR-01 (1 of 6)

Figure 11 [2/6]

RAR-01 EoT-3 | Progress | 16-Jun-20 23:47

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float
A20100810	Drainage and Erosion Works	16	19-Jan-20*	03-Feb-20	145	0
RAR-01 E0T3.2.8	Ancillary Works	12	11-Feb-20	22-Feb-20	145	0
A20100910	Metal guard rail	8	11-Feb-20*	18-Feb-20	145	0
A20101920	Signs£¬Pavement marking and road stubs£¬Kil	4	19-Feb-20*	22-Feb-20	145	145
RAR-01 E0T3.3	K2+100¡«K4+000	1389	25-Jul-16 A	13-May-20	64	0
RAR-01 E0T3.3.1	Engineer's approval shop Drawings	2	25-Jul-16 A	26-Jul-16 A		0
A30100110	Construction precondition	2	25-Jul-16 A	26-Jul-16 A		
RAR-01 E0T3.3.2	Earthwork and Allied Activites	634	27-Jul-16 A	21-Apr-18 A		0
A30100210	Site clearing and removel of trees	10	27-Jul-16 A	06-Oct-17 A		
A30100220	Excavation	120	29-Jul-16 A	25-Nov-16 A		
A30100230	Embankment	120	01-Jul-17 A	28-Oct-17 A		
A30100240	Sugbgrade preparation	10	12-Apr-18 A	21-Apr-18 A		
RAR-01 E0T3.3.3	Retaining walls	60	01-May-19 A	16-Sep-19	64	0
A30100310	Retaining walls	60	01-May-19 A	16-Sep-19	64	0
RAR-01 E0T3.3.4	Breast walls	15	29-Jan-18 A	12-Feb-18 A		0
A30100410	Breastwalls	15	29-Jan-18 A	12-Feb-18 A		
RAR-01 E0T3.3.5	Subbase and Base	20	01-Sep-19	20-Sep-19	284	0
A30100510	Granular subbase£¬Aggregate base course	20	01-Sep-19*	20-Sep-19	284	0
RAR-01 E0T3.3.6	Surface Courses and Pavement	15	19-Apr-20	03-May-20	0	0
A30100610	Asphailtic base course£¬Asphailtic wearing cour	15	19-Apr-20*	03-May-20	0	0
RAR-01 E0T3.3.8	Drainage and Erosion Works	15	22-Sep-19	06-Oct-19	284	0
A30100810	Drainage and Erosion Works	15	22-Sep-19*	06-Oct-19	284	284
RAR-01 E0T3.3.9	Ancillary Works	9	05-May-20	13-May-20	64	0
A30100910	Metal guard rail	4	05-May-20	08-May-20	64	0
A30100920	Signs£¬Pavement marking and road stubs£¬Kil	4	10-May-20	13-May-20	64	64
RAR-01 E0T3.4	K4+000¡«K4+950	1733	10-Jan-17 A	21-May-20	56	0
RAR-01 E0T3.4.4	Breast wall	20	06-Dec-19	25-Dec-19	172	0
A40100410	Breastwall	20	06-Dec-19	25-Dec-19	172	0
RAR-01 E0T3.4.1	Engineer's approval shop Drawings	2	28-Jan-17 A	29-Jan-17 A		0
A40100110	Construction precondition	2	28-Jan-17 A	29-Jan-17 A		
RAR-01 E0T3.4.2	Earthwork and Allied Activites	1676	10-Jan-17 A	25-Mar-20	113	0
A40100210	Site clearing and removel of trees	10	10-Jan-17 A	20-Jan-17 A		
A40100220	Excavation	30	01-May-19 A	01-Oct-19	172	0
A40100230	Embankment	60	01-May-19 A	15-Mar-20	113	0
A40100240	Sugbgrade preparation	10	16-Mar-20*	25-Mar-20	113	113
RAR-01 E0T3.4.3	Retaining walls	65	02-Oct-19	05-Dec-19	172	0



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work

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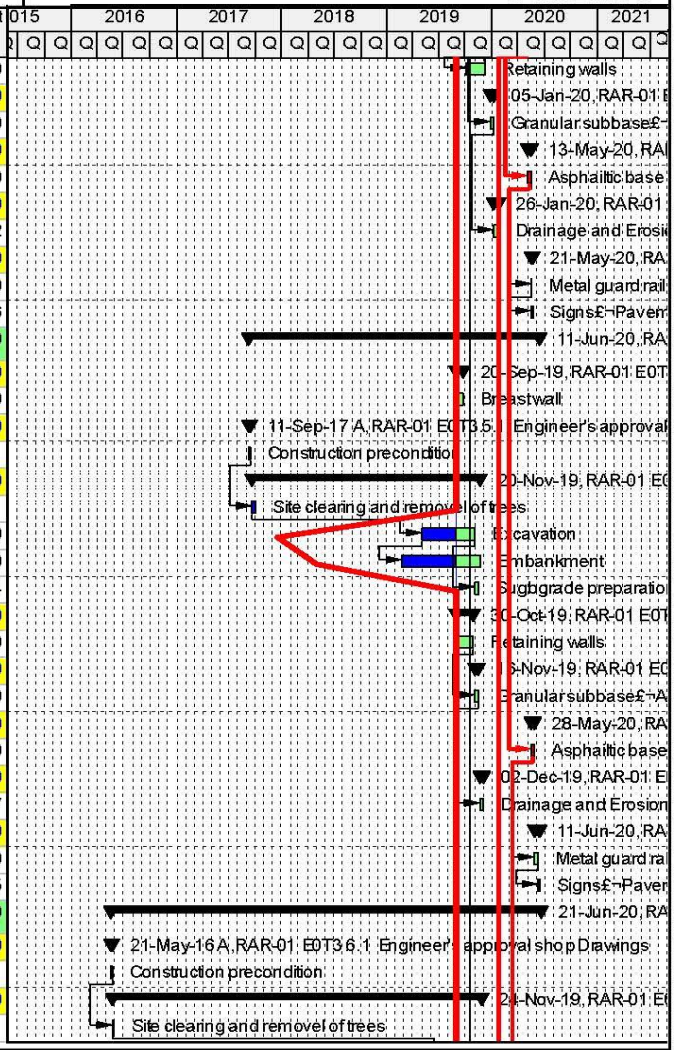
Gantt Chart of Dasu-RAR-01 (2 of 6)

RAR-01 EoT-3 | Progress | 16-Jun-20 23:47

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float
A40100310	Retaining walls	65	02-Oct-19*	05-Dec-19	172	0
RAR-01 E0T3.4.5 Subbase and Base		10	27-Dec-19	05-Jan-20	172	0
A40100510	Granular subbase£¬Aggregate base course	10	27-Dec-19	05-Jan-20	172	0
RAR-01 E0T3.4.6 Surface Courses and Pavement		10	04-May-20	13-May-20	0	0
A40100610	Asphaltic base course£¬Asphaltic wearing cour	10	04-May-20*	13-May-20	0	0
RAR-01 E0T3.4.8 Drainage and Erosion Works		20	07-Jan-20	26-Jan-20	172	0
A40100810	Drainage and Erosion Works	20	07-Jan-20	26-Jan-20	172	172
RAR-01 E0T3.4.9 Ancillary Works		8	14-May-20	21-May-20	56	0
A40100910	Metal guard rail	4	14-May-20	17-May-20	56	0
A40100920	Signs£¬Pavement marking and road stubs£¬Kil	4	18-May-20	21-May-20	56	56
RAR-01 E0T3.5 K4+950¡«K5+795		1006	10-Sep-17 A	11-Jun-20	35	0
RAR-01 E0T3.5.4 Breast wall		20	01-Sep-19	20-Sep-19	300	0
A1210101030	Breastwall	20	01-Sep-19*	20-Sep-19	300	300
RAR-01 E0T3.5.1 Engineer's approval shop Drawings		2	10-Sep-17 A	11-Sep-17 A		0
A50100110	Construction precondition	2	10-Sep-17 A	11-Sep-17 A		
RAR-01 E0T3.5.2 Earthwork and Allied Activites		785	22-Sep-17 A	20-Nov-19	239	0
A50100210	Site clearing and removel of trees	10	22-Sep-17 A	02-Oct-17 A		
A50100220	Excavation	144	01-May-19 A	31-Oct-19	239	0
A50100230	Embankment	80	20-Feb-19 A	20-Nov-19	239	239
A50100240	Sugbgrade preparation	15	01-Nov-19	15-Nov-19	244	244
RAR-01 E0T3.5.3 Retaining walls		60	01-Sep-19	30-Oct-19	227	0
A50100310	Retaining walls	60	01-Sep-19*	30-Oct-19	227	0
RAR-01 E0T3.5.5 Subbase and Base		16	01-Nov-19	16-Nov-19	227	0
A50100510	Granular subbase£¬Aggregate base course	16	01-Nov-19	16-Nov-19	227	0
RAR-01 E0T3.5.6 Surface Courses and Pavement		15	14-May-20	28-May-20	0	0
A50100610	Asphaltic base course£¬Asphaltic wearing cour	15	14-May-20*	28-May-20	0	0
RAR-01 E0T3.5.8 Drainage and Erosion Works		15	18-Nov-19	02-Dec-19	227	0
A50100810	Drainage and Erosion Works	15	18-Nov-19	02-Dec-19	227	227
RAR-01 E0T3.5.9 Ancillary Works		14	29-May-20	11-Jun-20	35	0
A50100910	Metal guard rail	10	29-May-20	07-Jun-20	35	0
A50100920	Signs£¬Pavement marking and road stubs£¬Kil	4	08-Jun-20	11-Jun-20	35	35
RAR-01 E0T3.6 K5+795¡«K7+000		1494	20-May-16 A	21-Jun-20	25	0
RAR-01 E0T3.6.1 Engineer's approval shop Drawings		2	20-May-16 A	21-May-16 A		0
A60100110	Construction precondition	2	20-May-16 A	21-May-16 A		
RAR-01 E0T3.6.2 Earthwork and Allied Activites		1282	22-May-16 A	24-Nov-19	235	0
A60100210	Site clearing and removel of trees	10	22-May-16 A	31-May-16 A		



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work

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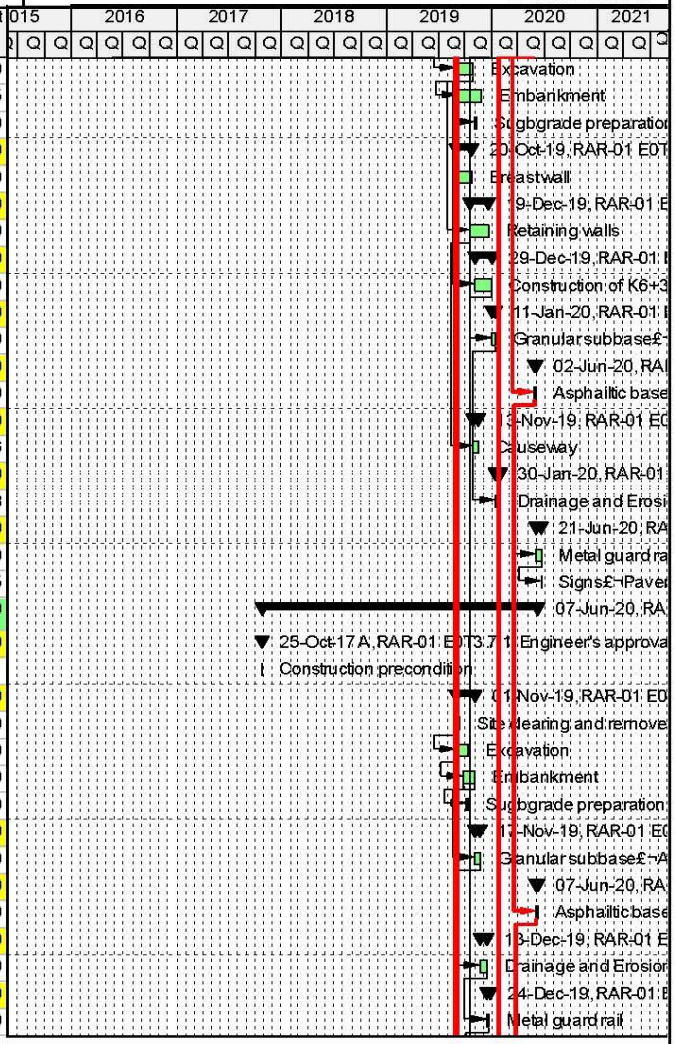
Gantt Chart of Dasu-RAR-01 (3 of 6)

Figure 11 [4/6]

RAR-01 EoT-3 | Progress | 16-Jun-20 23:47

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float
A60100220	Excavation	60	01-Sep-19*	30-Oct-19	168	0
A60100230	Embankment	80	06-Sep-19*	24-Nov-19	235	235
A60100240	Sugbgrade preparation	10	01-Nov-19*	10-Nov-19	249	249
RAR-01 E0T3.6.4 Breast wall		50	01-Sep-19	20-Oct-19	270	0
A60100410	Breastwall	50	01-Sep-19*	20-Oct-19	270	270
RAR-01 E0T3.6.3 Retaining walls		65	16-Oct-19	19-Dec-19	210	0
A60100310	Retaining walls	65	16-Oct-19*	19-Dec-19	210	0
RAR-01 E0T3.6.5 Culverts		60	31-Oct-19	29-Dec-19	168	0
A60100510	Construction of K6+355 box Culverts	60	31-Oct-19*	29-Dec-19	168	0
RAR-01 E0T3.6.6 Subbase and Base		12	31-Dec-19	11-Jan-20	168	0
A60100610	Granular subbase£¬Aggregate base course	12	31-Dec-19	11-Jan-20	168	0
RAR-01 E0T3.6.7 Surface Courses and Pavement		5	29-May-20	02-Jun-20	0	0
A60100710	Asphaltic base course£¬Asphaltic wearing cour	5	29-May-20*	02-Jun-20	0	0
RAR-01 E0T3.6.8 Causeway		20	25-Oct-19	13-Nov-19	246	0
A60100810	Causeway	20	25-Oct-19*	13-Nov-19	246	246
RAR-01 E0T3.6.9 Drainage and Erosion Works		18	13-Jan-20	30-Jan-20	168	0
A60100910	Drainage and Erosion Works	18	13-Jan-20	30-Jan-20	168	168
RAR-01 E0T3.6.10 Ancillary Works		19	03-Jun-20	21-Jun-20	25	0
A60101010	Metal guard rail	15	03-Jun-20	17-Jun-20	25	0
A60101020	Signs£¬Pavement marking and road stubs£¬Kil	4	18-Jun-20	21-Jun-20	25	25
RAR-01 E0T3.7 K7+000¡«K8+330		958	24-Oct-17 A	07-Jun-20	39	0
RAR-01 E0T3.7.1 Engineer's approval shop Drawings		2	24-Oct-17 A	25-Oct-17 A		0
A70100110	Construction precondition	2	24-Oct-17 A	25-Oct-17 A		
RAR-01 E0T3.7.2 Earthwork and Allied Activites		62	01-Sep-19	01-Nov-19	258	0
A70100210	Site clearing and removel of trees	10	01-Sep-19*	10-Sep-19	205	0
A70100220	Excavation	40	01-Sep-19*	10-Oct-19	205	0
A70100230	Embankment	40	23-Sep-19*	01-Nov-19	205	0
A70100240	Sugbgrade preparation	10	02-Oct-19*	11-Oct-19	279	279
RAR-01 E0T3.7.3 Subbase and Base		15	03-Nov-19	17-Nov-19	205	0
A70100310	Granular subbase£¬Aggregate base course	15	03-Nov-19	17-Nov-19	205	0
RAR-01 E0T3.7.4 Surface Courses and Pavement		5	03-Jun-20	07-Jun-20	0	0
A70100410	Asphaltic base course£¬Asphaltic wearing cour	5	03-Jun-20*	07-Jun-20	0	0
RAR-01 E0T3.7.6 Drainage and Erosion Works		25	19-Nov-19	13-Dec-19	205	0
A70100610	Drainage and Erosion Works	25	19-Nov-19	13-Dec-19	205	0
RAR-01 E0T3.7.7 Ancillary Works		10	15-Dec-19	24-Dec-19	205	0
A70100710	Metal guard rail	4	15-Dec-19	18-Dec-19	205	0



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work

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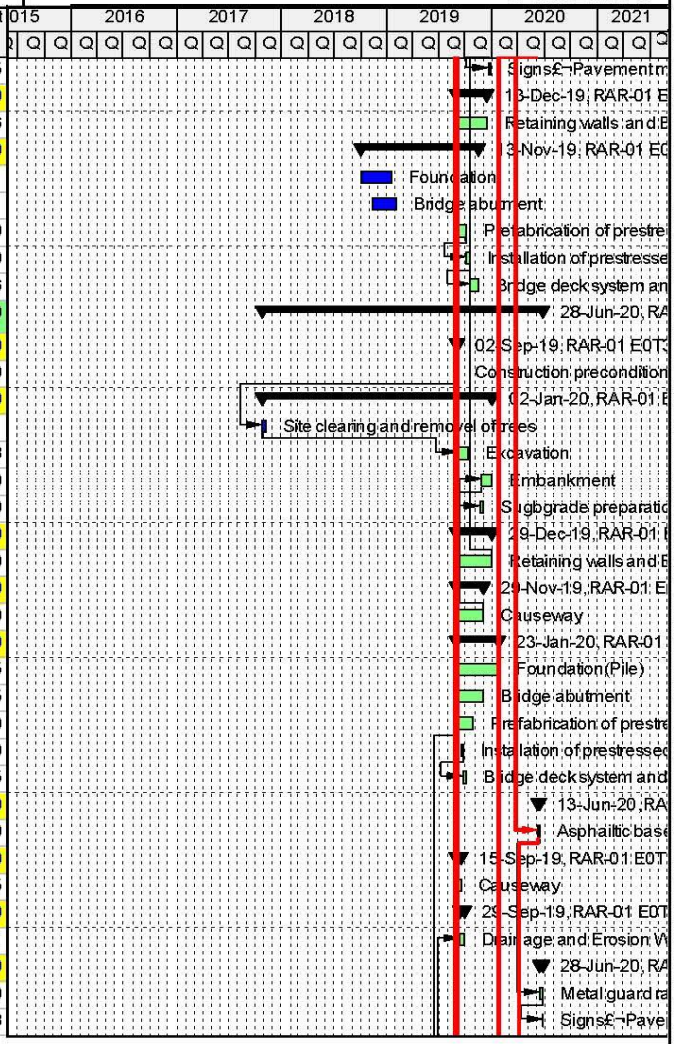
Gantt Chart of Dasu-RAR-01 (4 of 6)

RAR-01 EoT-3 | Progress | 16-Jun-20 23:47

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float
A70100720	Signs£¬Pavement marking and road stubs£¬Kil	6	19-Dec-19	24-Dec-19	205	205
RAR-01 E0T3.7.8 Retaining walls and Breast wall		104	01-Sep-19	13-Dec-19	216	0
A70100810	Retaining walls and Breast wall	104	01-Sep-19*	13-Dec-19	216	216
RAR-01 E0T3.7.10 Bridge works of K7+020 Rangro		409	01-Oct-18A	13-Nov-19	246	0
A70101010	Foundation	107	01-Oct-18A	15-Jan-19A		
A70101020	Bridge abutment	80	15-Nov-18A	02-Feb-19A		
A70101030	Prefabrication of prestressed T-beam	35	01-Sep-19*	05-Oct-19	246	0
A70101040	Installation of prestressed T-beam	12	06-Oct-19*	17-Oct-19	246	0
A70101050	Bridge deck system and Axillary works	27	18-Oct-19*	13-Nov-19	246	246
RAR-01 E0T3.8 K8+330¡«K9+300		977	26-Oct-17A	28-Jun-20	18	0
RAR-01 E0T3.8.1 Engineer's approval shop Drawings		2	01-Sep-19	02-Sep-19	278	0
A80100110	Construction precondition	2	01-Sep-19*	02-Sep-19	278	0
RAR-01 E0T3.8.2 Earthwork and Allied Activites		799	26-Oct-17A	02-Jan-20	196	0
A80100210	Site clearing and removel of trees	10	26-Oct-17A	04-Nov-17A		
A80100220	Excavation	40	03-Sep-19*	12-Oct-19	278	278
A80100230	Embankment	40	24-Nov-19*	02-Jan-20	196	0
A80100240	Sugbgrade preparation	10	20-Nov-19*	29-Nov-19	230	230
RAR-01 E0T3.8.3 Retaining and Breast walls		120	01-Sep-19	29-Dec-19	145	0
A80100310	Retaining walls and Breast wall	120	01-Sep-19*	29-Dec-19	145	0
RAR-01 E0T3.8.4 Causeway of K8+339 Griti nullah		90	01-Sep-19	29-Nov-19	196	0
A80100450	Causeway	90	01-Sep-19*	29-Nov-19	196	0
RAR-01 E0T3.8.5 Bridge works of K9+257 Siglu nullah		145	01-Sep-19	23-Jan-20	175	0
A80100510	Foundation(Pile)	145	01-Sep-19*	23-Jan-20	175	175
A80100520	Bridge abutment	95	01-Sep-19*	04-Dec-19	225	225
A80100530	Prefabrication of prestressed T-beam	60	01-Sep-19*	30-Oct-19	260	0
A80100540	Installation of prestressed T-beam	5	16-Sep-19*	20-Sep-19	285	0
A80100550	Bridge deck system and Axillary works	15	21-Sep-19	05-Oct-19	285	285
RAR-01 E0T3.8.7 Surface Courses and Pavement		6	08-Jun-20	13-Jun-20	0	0
A80100710	Asphailtic base course£¬Asphailtic wearing cour	6	08-Jun-20*	13-Jun-20	0	0
RAR-01 E0T3.8.8 Causeway		15	01-Sep-19	15-Sep-19	305	0
A80100810	Causeway	15	01-Sep-19*	15-Sep-19	305	305
RAR-01 E0T3.8.9 Drainage and Erosion Works		20	10-Sep-19	29-Sep-19	291	0
A80100910	Drainage and Erosion Works	20	10-Sep-19*	29-Sep-19	291	291
RAR-01 E0T3.8.10 Ancillary Works		15	14-Jun-20	28-Jun-20	18	0
A80101010	Metal guard rail	11	14-Jun-20	24-Jun-20	18	0
A80101020	Signs£¬Pavement marking and road stubs£¬Kil	4	25-Jun-20	28-Jun-20	18	18



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work

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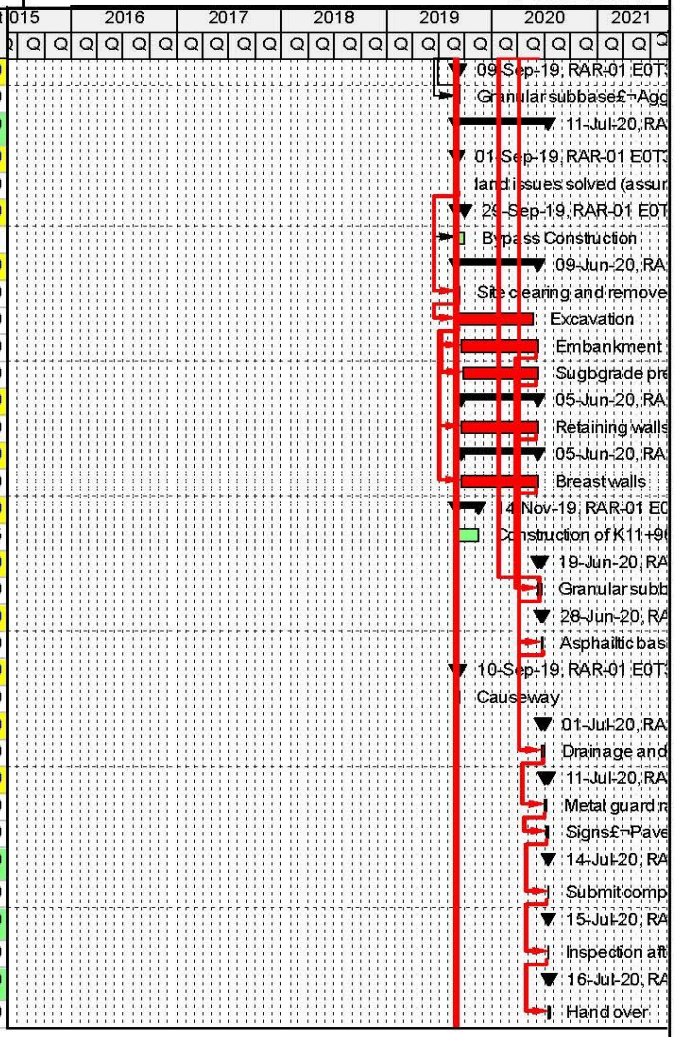
Gantt Chart of Dasu-RAR-01 (5 of 6)

RAR-01 EoT-3 | Progress | 16-Jun-20 23:47

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float
RAR-01 E0T3.8.6	Subbase and Base	9	01-Sep-19	09-Sep-19	291	0
A80100610	Granular subbase£¬Aggregate base course	9	01-Sep-19	09-Sep-19	291	0
RAR-01 E0T3.9	K9+300¡«K12+071	315	01-Sep-19	11-Jul-20	5	0
RAR-01 E0T3.9.1	Land issue solved	1	01-Sep-19	01-Sep-19	0	0
A1210101050	land issues solved (assumed)	1	01-Sep-19*	01-Sep-19	0	0
RAR-01 E0T3.9.2	Bypass Construction	29	01-Sep-19	29-Sep-19	291	0
A90100210	Bypass Construction	29	01-Sep-19*	29-Sep-19	291	291
RAR-01 E0T3.9.3	Earthwork and Allied Activites	283	01-Sep-19	09-Jun-20	0	0
A90500310	Site clearing and removel of trees	10	01-Sep-19*	10-Sep-19	0	0
A90500320	Excavation	265	01-Sep-19*	22-May-20	0	0
A90500330	Embankment	265	15-Sep-19*	05-Jun-20	0	0
A90500340	Sugbgrade preparation	260	24-Sep-19	09-Jun-20	0	0
RAR-01 E0T3.9.4	Retaining walls	261	19-Sep-19	05-Jun-20	0	0
A90100410	Retaining walls	261	19-Sep-19	05-Jun-20	0	0
RAR-01 E0T3.9.5	Breast walls	261	19-Sep-19	05-Jun-20	0	0
A90100510	Breast walls	261	19-Sep-19	05-Jun-20	0	0
RAR-01 E0T3.9.6	Culverts	75	01-Sep-19	14-Nov-19	245	0
A90100610	Construction of K11+908 Box Culverts	75	01-Sep-19*	14-Nov-19	245	245
RAR-01 E0T3.9.7	Subbase and Base	10	10-Jun-20	19-Jun-20	0	0
A90100710	Granular subbase£¬Aggregate base course	10	10-Jun-20	19-Jun-20	0	0
RAR-01 E0T3.9.8	Surface Courses and Pavement	8	21-Jun-20	28-Jun-20	0	0
A90100810	Asphaltic base course£¬Asphaltic wearing cour	8	21-Jun-20	28-Jun-20	0	0
RAR-01 E0T3.9.9	Causeway	10	01-Sep-19	10-Sep-19	310	0
A90100910	Causeway	10	01-Sep-19*	10-Sep-19	310	310
RAR-01 E0T3.9.10	Drainage and Erosion Works	11	21-Jun-20	01-Jul-20	0	0
A90101010	Drainage and Erosion Works	11	21-Jun-20	01-Jul-20	0	0
RAR-01 E0T3.9.11	Ancillary Works	12	30-Jun-20	11-Jul-20	0	0
A90101110	Metal guard rail	8	30-Jun-20	07-Jul-20	0	0
A90101220	Signs£¬Pavement marking and road stubs£¬Kil	3	09-Jul-20	11-Jul-20	0	0
RAR-01 E0T3.10	Submit Completion drawing	2	13-Jul-20	14-Jul-20	0	0
A1010101010	Submit complete drawing	2	13-Jul-20	14-Jul-20	0	0
RAR-01 E0T3.11	Inspection after completion	1	15-Jul-20	15-Jul-20	0	0
A1110101010	Inspection after completion	1	15-Jul-20	15-Jul-20	0	0
RAR-01 E0T3.12	Hand over	1	16-Jul-20	16-Jul-20	0	0
A1210101010	Hand over	1	16-Jul-20	16-Jul-20	0	0



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work

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Gantt Chart of Dasu-RAR-01 (6 of 6)

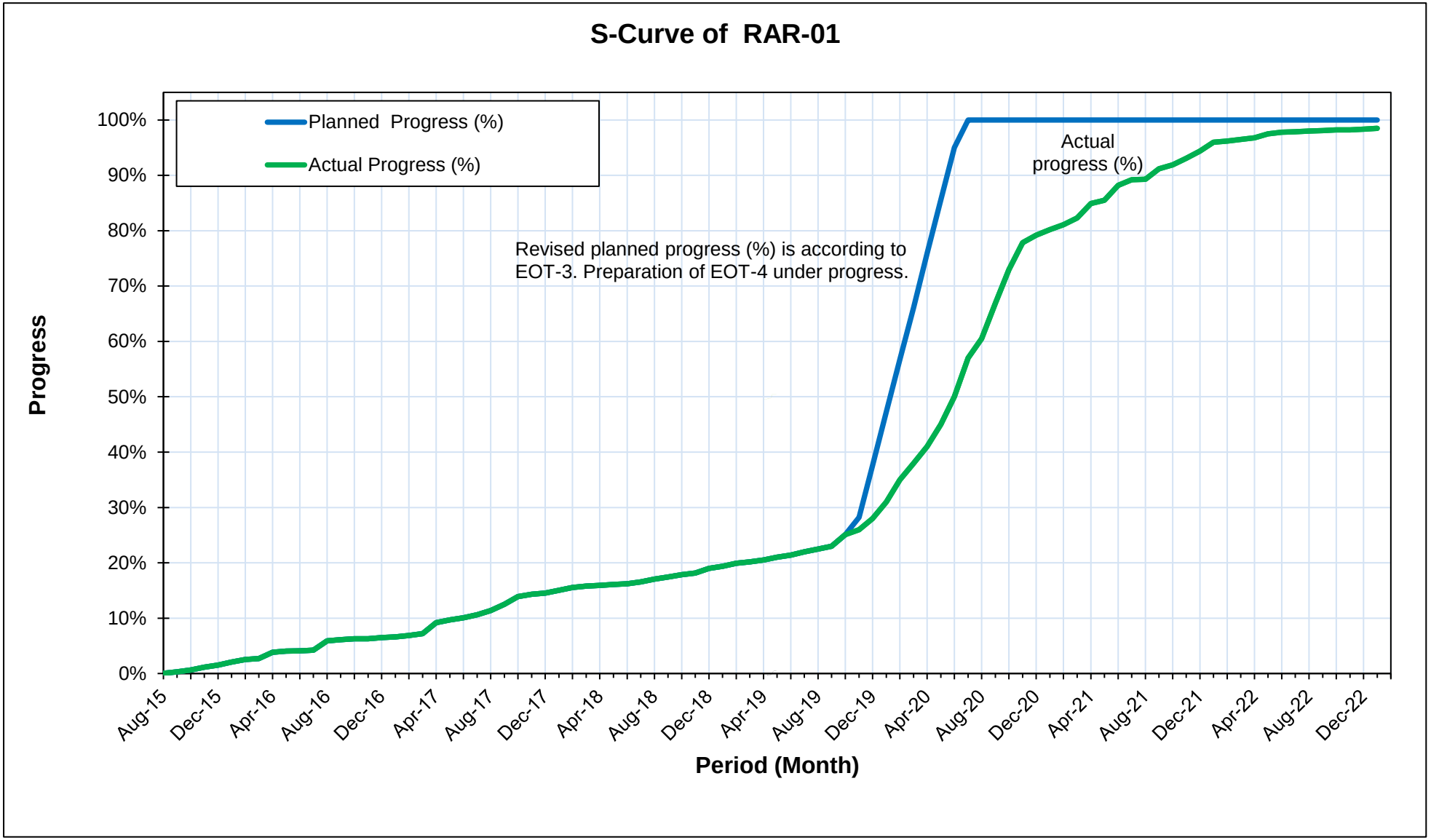


Figure 12: S Curve for Dasu-RAR-01

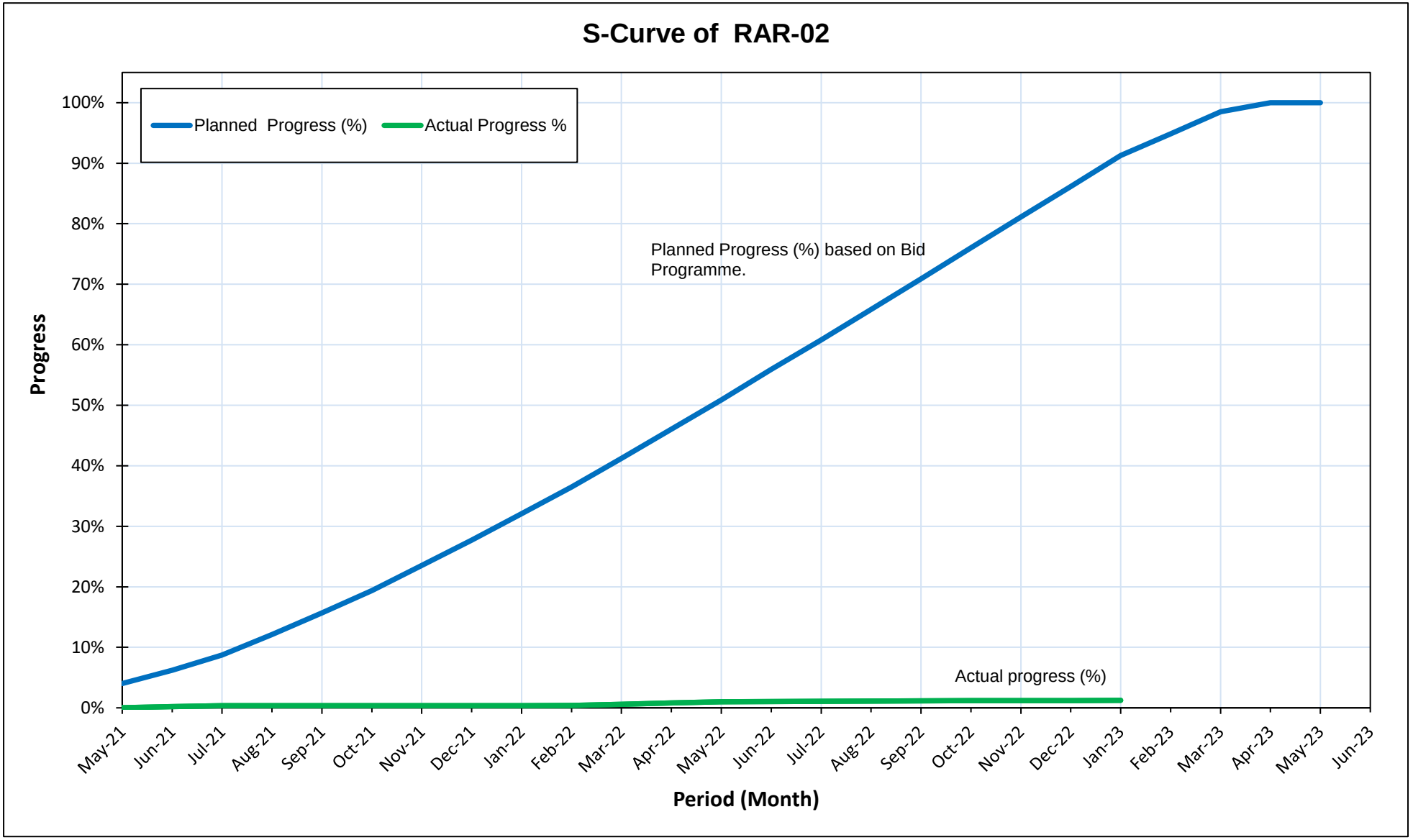
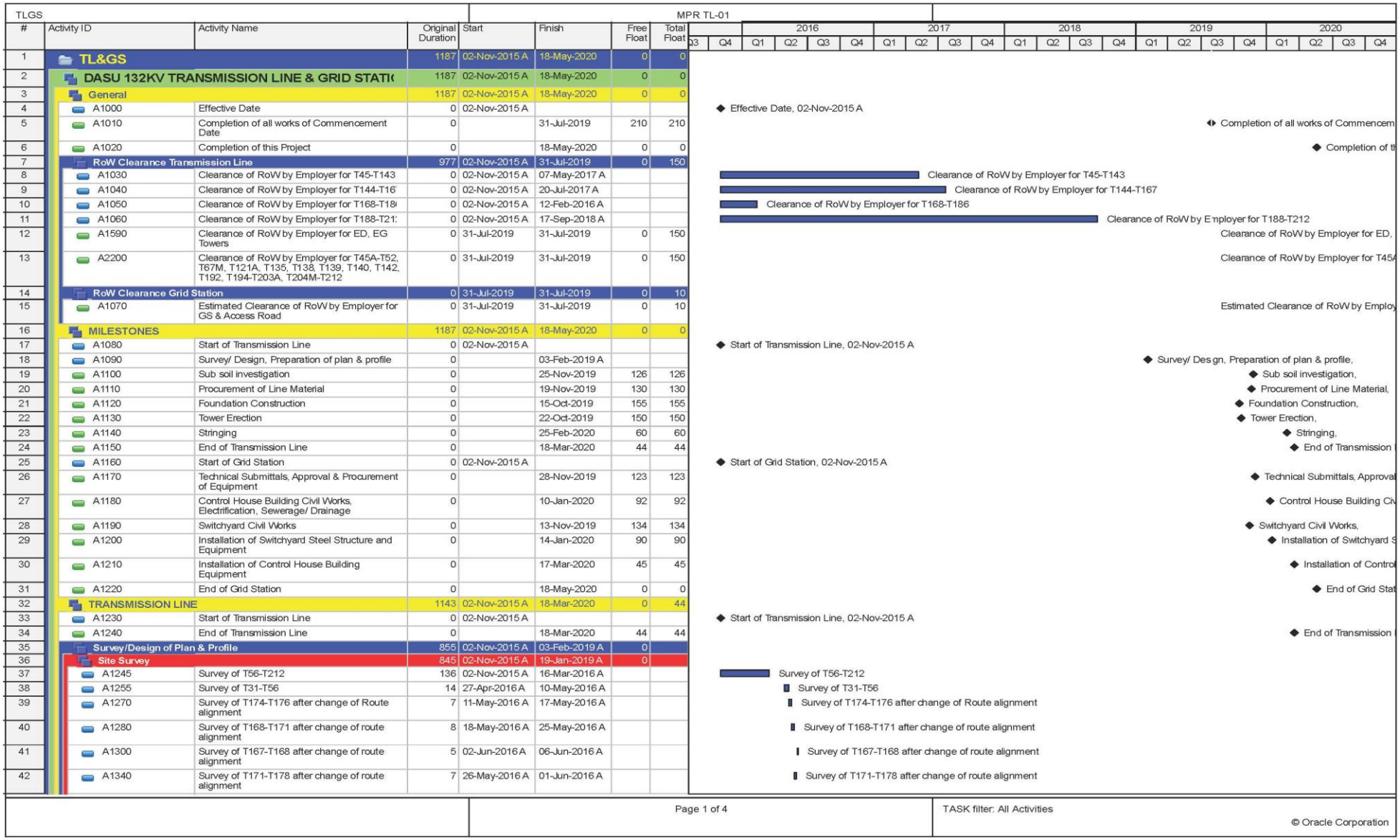


Figure 13: S Curve for Dasu-RAR-02



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
1	TL&GS		1187	02-Nov-2015 A	18-May-2020	0	0
2	DASU 132KV TRANSMISSION LINE & GRID STATI(		1187	02-Nov-2015 A	18-May-2020	0	0
3	General		1187	02-Nov-2015 A	18-May-2020	0	0
4	A1000	Effective Date	0	02-Nov-2015 A			
5	A1010	Completion of all works of Commencement Date	0		31-Jul-2019	210	210
6	A1020	Completion of this Project	0		18-May-2020	0	0
7	RoW Clearance Transmission Line		977	02-Nov-2015 A	31-Jul-2019	0	150
8	A1030	Clearance of RoW by Employer for T45-T143	0	02-Nov-2015 A	07-May-2017 A		
9	A1040	Clearance of RoW by Employer for T144-T16	0	02-Nov-2015 A	20-Jul-2017 A		
10	A1050	Clearance of RoW by Employer for T168-T18	0	02-Nov-2015 A	12-Feb-2016 A		
11	A1060	Clearance of RoW by Employer for T188-T21	0	02-Nov-2015 A	17-Sep-2018 A		
12	A1590	Clearance of RoW by Employer for ED, EG Towers	0	31-Jul-2019	31-Jul-2019	0	150
13	A2200	Clearance of RoW by Employer for T45A-T52, T67M, T121A, T135, T138, T139, T140, T142, T192, T194-T203A, T204M-T212	0	31-Jul-2019	31-Jul-2019	0	150
14	RoW Clearance Grid Station		0	31-Jul-2019	31-Jul-2019	0	10
15	A1070	Estimated Clearance of RoW by Employer for GS & Access Road	0	31-Jul-2019	31-Jul-2019	0	10
16	MILESTONES		1187	02-Nov-2015 A	18-May-2020	0	0
17	A1080	Start of Transmission Line	0	02-Nov-2015 A			
18	A1090	Survey/ Design, Preparation of plan & profile	0		03-Feb-2019 A		
19	A1100	Sub soil investigation	0		25-Nov-2019	126	126
20	A1110	Procurement of Line Material	0		19-Nov-2019	130	130
21	A1120	Foundation Construction	0		15-Oct-2019	155	155
22	A1130	Tower Erection	0		22-Oct-2019	150	150
23	A1140	Stringing	0		25-Feb-2020	60	60
24	A1150	End of Transmission Line	0		18-Mar-2020	44	44
25	A1160	Start of Grid Station	0	02-Nov-2015 A			
26	A1170	Technical Submittals, Approval & Procurement of Equipment	0		28-Nov-2019	123	123
27	A1180	Control House Building Civil Works, Electrification, Sewerage/ Drainage	0		10-Jan-2020	92	92
28	A1190	Switchyard Civil Works	0		13-Nov-2019	134	134
29	A1200	Installation of Switchyard Steel Structure and Equipment	0		14-Jan-2020	90	90
30	A1210	Installation of Control House Building Equipment	0		17-Mar-2020	45	45
31	A1220	End of Grid Station	0		18-May-2020	0	0
32	TRANSMISSION LINE		1143	02-Nov-2015 A	18-Mar-2020	0	44
33	A1230	Start of Transmission Line	0	02-Nov-2015 A			
34	A1240	End of Transmission Line	0		18-Mar-2020	44	44
35	Survey/Design of Plan & Profile		855	02-Nov-2015 A	03-Feb-2019 A	0	
36	Site Survey		845	02-Nov-2015 A	19-Jan-2019 A	0	
37	A1245	Survey of T56-T212	136	02-Nov-2015 A	16-Mar-2016 A		
38	A1255	Survey of T31-T56	14	27-Apr-2016 A	10-May-2016 A		
39	A1270	Survey of T174-T176 after change of Route alignment	7	11-May-2016 A	17-May-2016 A		
40	A1280	Survey of T168-T171 after change of route alignment	8	18-May-2016 A	25-May-2016 A		
41	A1300	Survey of T167-T168 after change of route alignment	5	02-Jun-2016 A	06-Jun-2016 A		
42	A1340	Survey of T171-T178 after change of route alignment	7	26-May-2016 A	01-Jun-2016 A		

Figure 14: Gantt Chart of Dasu-TL-01 (1 of 4)

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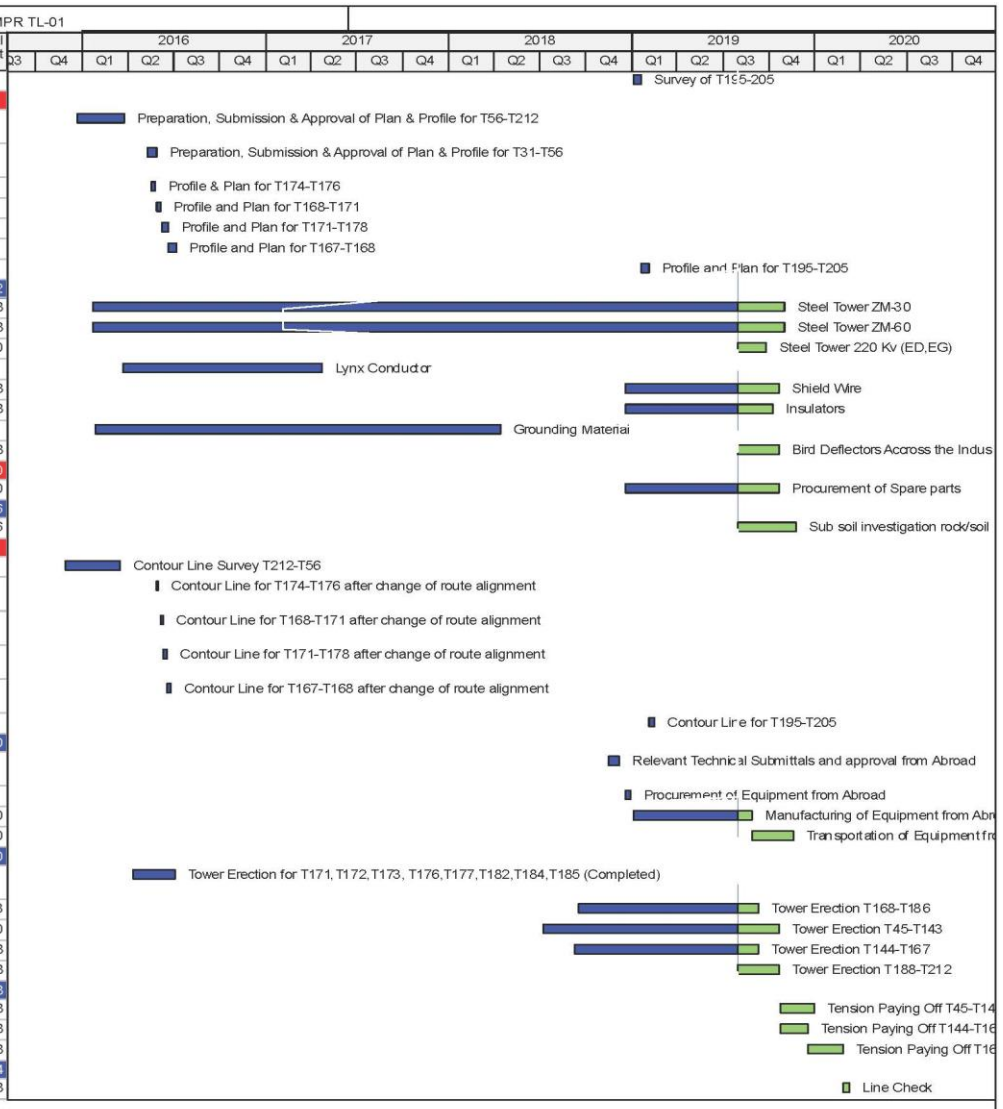
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
43	A1350	Survey of T195-205	15	05-Jan-2019 A	19-Jan-2019 A		
44	Preparation, Submission & Approval of Plan & Profile		819	22-Dec-2015 A	03-Feb-2019 A	0	
45	A1265	Preparation, Submission & Approval of Plan & Profile for T56-T212	53	22-Dec-2015 A	25-Mar-2016 A		
46	A1330	Preparation, Submission & Approval of Plan & Profile for T31-T56	10	11-May-2016 A	28-May-2016 A		
47	A1580	Profile & Plan for T174-T176	10	18-May-2016 A	27-May-2016 A		
48	A1640	Profile and Plan for T168-T171	10	28-May-2016 A	06-Jun-2016 A		
49	A1880	Profile and Plan for T171-T178	15	07-Jun-2016 A	21-Jun-2016 A		
50	A1890	Profile and Plan for T167-T168	15	22-Jun-2016 A	06-Jul-2016 A		
51	A1950	Profile and Plan for T195-T205	15	20-Jan-2019 A	03-Feb-2019 A		
52	Procurement, Transportation of Material		967	23-Jan-2016 A	01-Nov-2019	0	142
53	A1390	Steel Tower ZM-30	68	23-Jan-2016 A	01-Nov-2019	0	98
54	A1400	Steel Tower ZM-60	68	23-Jan-2016 A	01-Nov-2019	0	98
55	A1410	Steel Tower 220 Kv (ED,EG)	40	31-Jul-2019	24-Sep-2019	170	170
56	A1420	Lynx Conductor	60	23-Mar-2016 A	23-Apr-2017 A		
57	A1430	Shield Wire	60	20-Dec-2018 A	22-Oct-2019	0	38
58	A1440	Insulators	60	20-Dec-2018 A	08-Oct-2019	0	48
59	A1450	Grounding Material	65	27-Jan-2016 A	15-Apr-2018 A		
60	A1460	Bird Deflectors Accross the Indus River etc.	60	31-Jul-2019	22-Oct-2019	0	38
61	Spare Parts		60	20-Dec-2018 A	22-Oct-2019	0	150
62	A2210	Procurement of Spare parts	60	20-Dec-2018 A	22-Oct-2019	150	150
63	Sub-Soil Investigation Foundation Drawing		1009	29-Nov-2015 A	25-Nov-2019	0	126
64	A2230	Sub soil investigation rock/soil	84	31-Jul-2019	25-Nov-2019	0	126
65	Contour Line Survey for Tower Foundation		68	29-Nov-2015 A	15-Feb-2019 A	0	
66	A1470	Contour Line Survey T212-T56	50	29-Nov-2015 A	16-Mar-2016 A		
67	A1480	Contour Line for T174-T176 after change of route alignment	4	28-May-2016 A	31-May-2016 A		
68	A1490	Contour Line for T168-T171 after change of route alignment	4	07-Jun-2016 A	10-Jun-2016 A		
69	A1500	Contour Line for T171-T178 after change of route alignment	8	11-Jun-2016 A	18-Jun-2016 A		
70	A1510	Contour Line for T167-T168 after change of route alignment	9	19-Jun-2016 A	27-Jun-2016 A		
71	A1520	Contour Line for T195-T205	12	04-Feb-2019 A	15-Feb-2019 A		
72	Procurement of Equipment from Abroad		987	17-Nov-2018 A	19-Nov-2019	0	130
73	A1530	Relevant Technical Submittals and approval from Abroad	20	17-Nov-2018 A	06-Dec-2018 A		
74	A1540	Procurement of Equipment from Abroad	10	20-Dec-2018 A	29-Dec-2018 A		
75	A1550	Manufacturing of Equipment from Abroad	20	04-Jan-2019 A	27-Aug-2019	0	130
76	A1560	Transportation of Equipment from Abroad	60	28-Aug-2019	19-Nov-2019	0	130
77	Tower Erection		964	13-Apr-2016 A	22-Oct-2019	0	150
78	A1650	Tower Erection for T171,T172,T173, T176,T177,T182,T184,T185 (Completed)	30	13-Apr-2016 A	05-Jul-2016 A		
79	A1660	Tower Erection T168-T186	30	16-Sep-2018 A	10-Sep-2019	70	108
80	A1670	Tower Erection T45-T143	60	10-Jul-2018 A	22-Oct-2019	150	150
81	A1680	Tower Erection T144-T167	30	10-Sep-2018 A	10-Sep-2019	60	98
82	A1690	Tower Erection T188-T212	60	31-Jul-2019	22-Oct-2019	0	98
83	Conductor and Earthwire Stringing		90	23-Oct-2019	25-Feb-2020	0	38
84	A1700	Tension Paying Off T45-T143	50	23-Oct-2019	31-Dec-2019	0	38
85	A1710	Tension Paying Off T144-T167	40	23-Oct-2019	17-Dec-2019	0	38
86	A1720	Tension Paying Off T168-T212	50	18-Dec-2019	25-Feb-2020	0	38
87	Line Check & Electrical Test		16	26-Feb-2020	18-Mar-2020	0	44
88	A1730	Line Check	10	26-Feb-2020	10-Mar-2020	0	38



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TASK filter: All Activities

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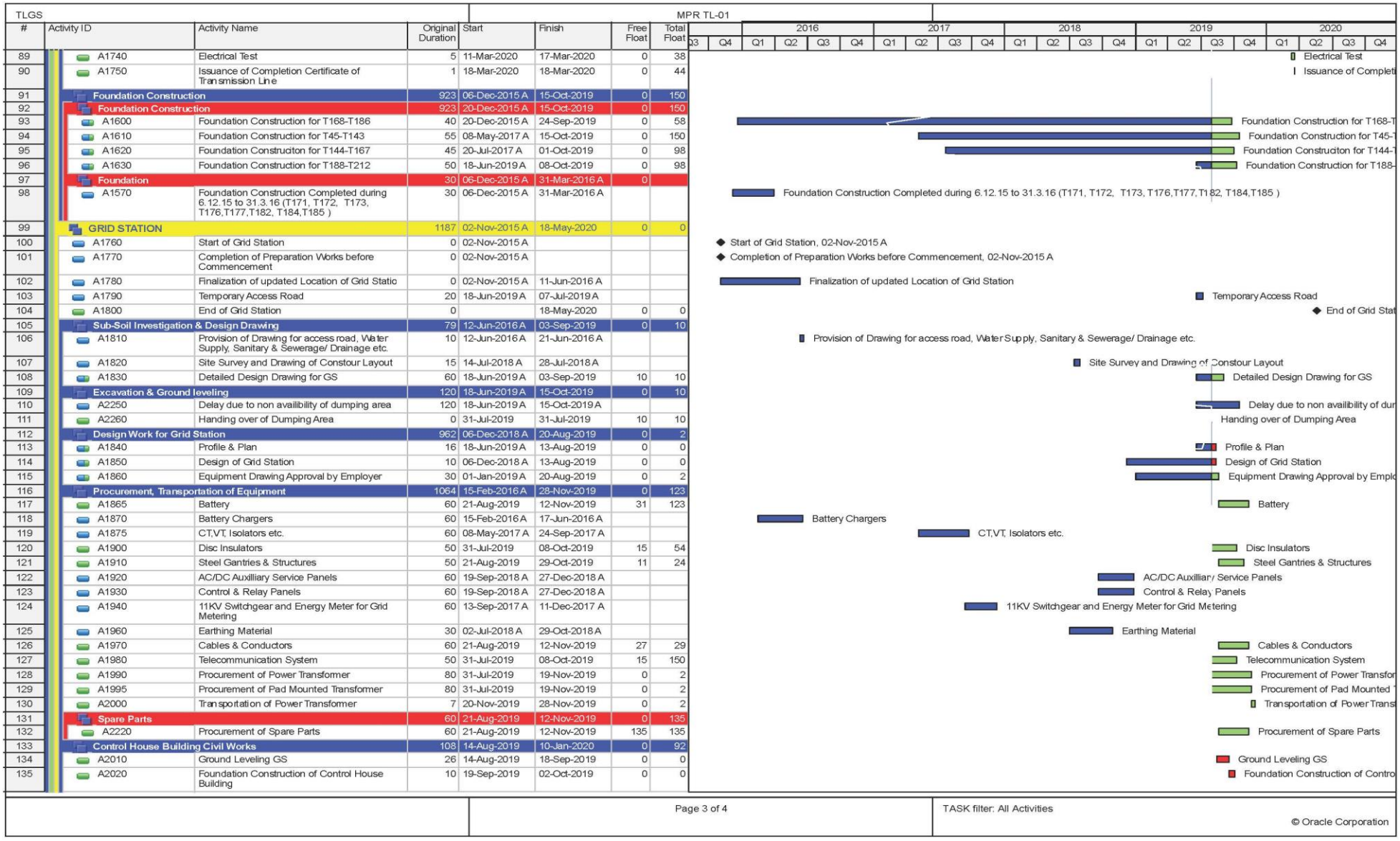
Gantt Chart of Dasu-TL-01 (2 of 4)

Figure 14 [3/4]



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
89	A1740	Electrical Test	5	11-Mar-2020	17-Mar-2020	0	38
90	A1750	Issuance of Completion Certificate of Transmission Line	1	18-Mar-2020	18-Mar-2020	0	44
91	Foundation Construction		923	06-Dec-2015 A	15-Oct-2019	0	150
92	Foundation Construction		923	20-Dec-2015 A	15-Oct-2019	0	150
93	A1600	Foundation Construction for T168-T186	40	20-Dec-2015 A	24-Sep-2019	0	58
94	A1610	Foundation Construction for T45-T143	55	08-May-2017 A	15-Oct-2019	0	150
95	A1620	Foundation Construciton for T144-T167	45	20-Jul-2017 A	01-Oct-2019	0	98
96	A1630	Foundation Construction for T188-T212	50	18-Jun-2019 A	08-Oct-2019	0	98
97	Foundation		30	06-Dec-2015 A	31-Mar-2016 A	0	
98	A1570	Foundation Construction Completed during 6.12.15 to 31.3.16 (T171, T172, T173, T176,T177,T182, T184,T185)	30	06-Dec-2015 A	31-Mar-2016 A		
99	GRID STATION		1187	02-Nov-2015 A	18-May-2020	0	0
100	A1760	Start of Grid Station	0	02-Nov-2015 A			
101	A1770	Completion of Preparation Works before Commencement	0	02-Nov-2015 A			
102	A1780	Finalization of updated Location of Grid Statio	0	02-Nov-2015 A	11-Jun-2016 A		
103	A1790	Temporary Access Road	20	18-Jun-2019 A	07-Jul-2019 A		
104	A1800	End of Grid Station	0		18-May-2020	0	0
105	Sub-Soil Investigation & Design Drawing		79	12-Jun-2016 A	03-Sep-2019	0	10
106	A1810	Provision of Drawing for access road, Water Supply, Sanitary & Sewerage/ Drainage etc.	10	12-Jun-2016 A	21-Jun-2016 A		
107	A1820	Site Survey and Drawing of Constour Layout	15	14-Jul-2018 A	28-Jul-2018 A		
108	A1830	Detailed Design Drawing for GS	60	18-Jun-2019 A	03-Sep-2019	10	10
109	Excavation & Ground leveling		120	18-Jun-2019 A	15-Oct-2019	0	10
110	A2250	Delay due to non availibility of dumping area	120	18-Jun-2019 A	15-Oct-2019 A		
111	A2260	Handing over of Dumping Area	0	31-Jul-2019	31-Jul-2019	10	10
112	Design Work for Grid Station		962	06-Dec-2018 A	20-Aug-2019	0	2
113	A1840	Profile & Plan	16	18-Jun-2019 A	13-Aug-2019	0	0
114	A1850	Design of Grid Station	10	06-Dec-2018 A	13-Aug-2019	0	0
115	A1860	Equipment Drawing Approval by Employer	30	01-Jan-2019 A	20-Aug-2019	0	2
116	Procurement, Transportation of Equipment		1064	15-Feb-2016 A	28-Nov-2019	0	123
117	A1865	Battery	60	21-Aug-2019	12-Nov-2019	31	123
118	A1870	Battery Chargers	60	15-Feb-2016 A	17-Jun-2016 A		
119	A1875	CT,VT, Isolators etc.	60	08-May-2017 A	24-Sep-2017 A		
120	A1900	Disc Insulators	50	31-Jul-2019	08-Oct-2019	15	54
121	A1910	Steel Gantries & Structures	50	21-Aug-2019	29-Oct-2019	11	24
122	A1920	AC/DC Auxilliary Service Panels	60	19-Sep-2018 A	27-Dec-2018 A		
123	A1930	Control & Relay Panels	60	19-Sep-2018 A	27-Dec-2018 A		
124	A1940	11KV Switchgear and Energy Meter for Grid Metering	60	13-Sep-2017 A	11-Dec-2017 A		
125	A1960	Earthing Material	30	02-Jul-2018 A	29-Oct-2018 A		
126	A1970	Cables & Conductors	60	21-Aug-2019	12-Nov-2019	27	29
127	A1980	Telecommunication System	50	31-Jul-2019	08-Oct-2019	15	150
128	A1990	Procurement of Power Transformer	80	31-Jul-2019	19-Nov-2019	0	2
129	A1995	Procurement of Pad Mounted Transformer	80	31-Jul-2019	19-Nov-2019	0	2
130	A2000	Transportation of Power Transformer	7	20-Nov-2019	28-Nov-2019	0	2
131	Spare Parts		60	21-Aug-2019	12-Nov-2019	0	135
132	A2220	Procurement of Spare Parts	60	21-Aug-2019	12-Nov-2019	135	135
133	Control House Building Civil Works		108	14-Aug-2019	10-Jan-2020	0	92
134	A2010	Ground Leveling GS	26	14-Aug-2019	18-Sep-2019	0	0
135	A2020	Foundation Construction of Control House Building	10	19-Sep-2019	02-Oct-2019	0	0

Gantt Chart of Dasu-TL-01 (3 of 4)

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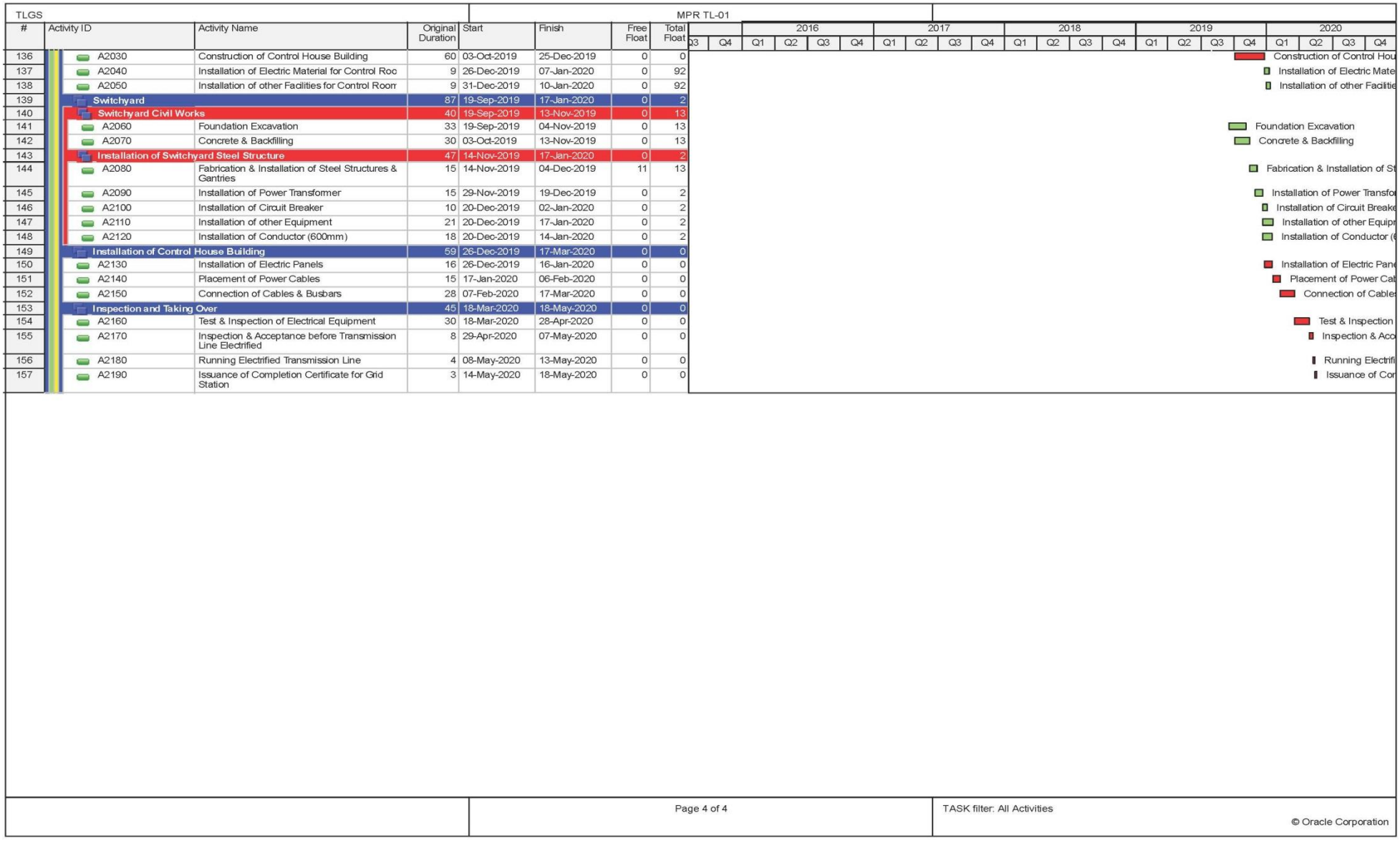

TLGS — MPR TL-01

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
136	A2030	Construction of Control House Building	60	03-Oct-2019	25-Dec-2019	0	0
137	A2040	Installation of Electric Material for Control Roo	9	26-Dec-2019	07-Jan-2020	0	92
138	A2050	Installation of other Facilities for Control Room	9	31-Dec-2019	10-Jan-2020	0	92
139	Switchyard		87	19-Sep-2019	17-Jan-2020	0	2
140	Switchyard Civil Works		40	19-Sep-2019	13-Nov-2019	0	13
141	A2060	Foundation Excavation	33	19-Sep-2019	04-Nov-2019	0	13
142	A2070	Concrete & Backfilling	30	03-Oct-2019	13-Nov-2019	0	13
143	Installation of Switchyard Steel Structure		47	14-Nov-2019	17-Jan-2020	0	2
144	A2080	Fabrication & Installation of Steel Structures & Gantries	15	14-Nov-2019	04-Dec-2019	11	13
145	A2090	Installation of Power Transformer	15	29-Nov-2019	19-Dec-2019	0	2
146	A2100	Installation of Circuit Breaker	10	20-Dec-2019	02-Jan-2020	0	2
147	A2110	Installation of other Equipment	21	20-Dec-2019	17-Jan-2020	0	2
148	A2120	Installation of Conductor (600mm)	18	20-Dec-2019	14-Jan-2020	0	2
149	Installation of Control House Building		59	26-Dec-2019	17-Mar-2020	0	0
150	A2130	Installation of Electric Panels	16	26-Dec-2019	16-Jan-2020	0	0
151	A2140	Placement of Power Cables	15	17-Jan-2020	06-Feb-2020	0	0
152	A2150	Connection of Cables & Busbars	28	07-Feb-2020	17-Mar-2020	0	0
153	Inspection and Taking Over		45	18-Mar-2020	18-May-2020	0	0
154	A2160	Test & Inspection of Electrical Equipment	30	18-Mar-2020	28-Apr-2020	0	0
155	A2170	Inspection & Acceptance before Transmission Line Electrified	8	29-Apr-2020	07-May-2020	0	0
156	A2180	Running Electrified Transmission Line	4	08-May-2020	13-May-2020	0	0
157	A2190	Issuance of Completion Certificate for Grid Station	3	14-May-2020	18-May-2020	0	0

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TASK filter: All Activities

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Gantt Chart of Dasu-TL-01 (4 of 4)

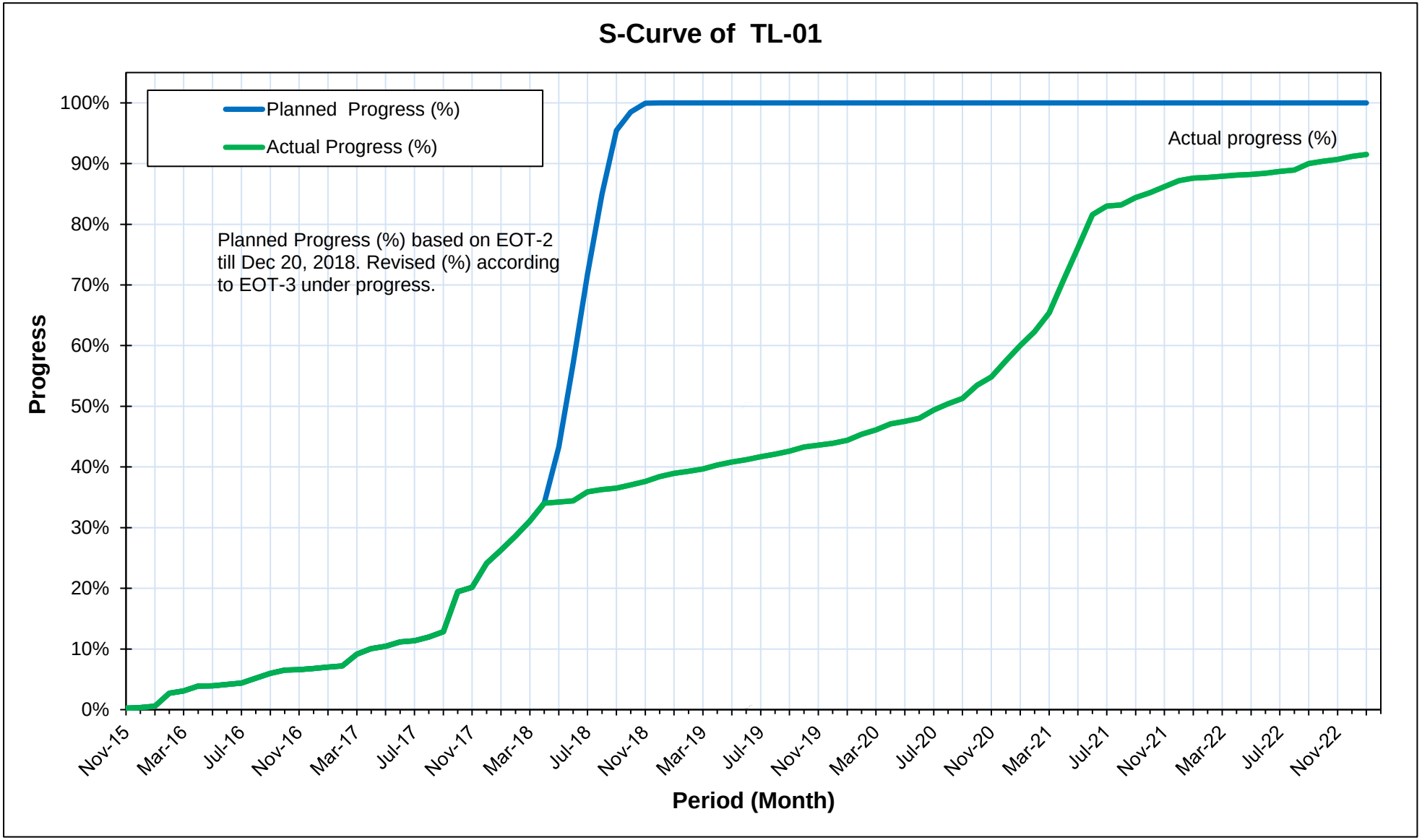
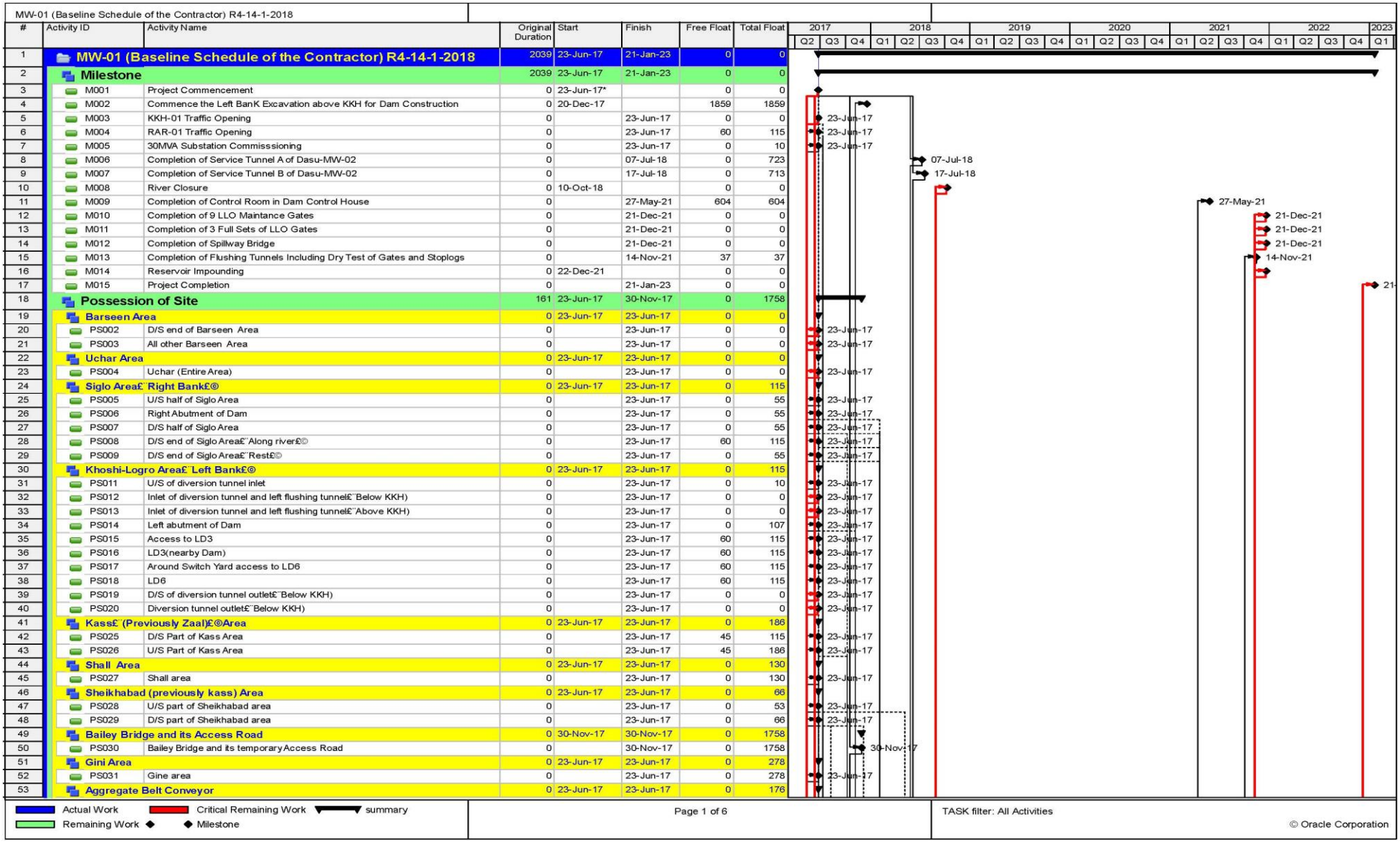


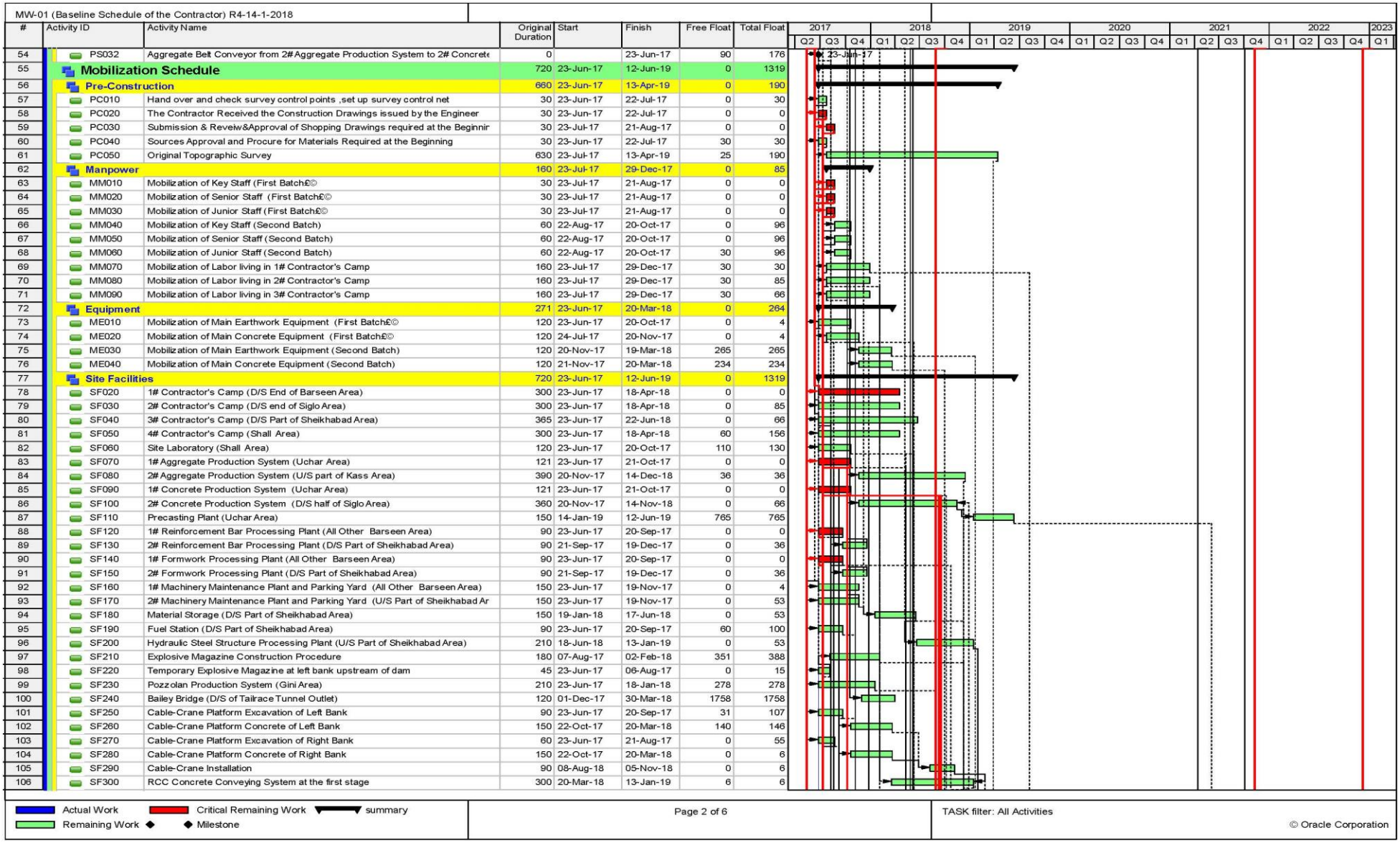
Figure 15: S Curve for Dasu-TL-01



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
1		MW-01 (Baseline Schedule of the Contractor) R4-14-1-2018	2039	23-Jun-17	21-Jan-23	0	0
2		Milestone	2039	23-Jun-17	21-Jan-23	0	0
3	M001	Project Commencement	0	23-Jun-17*		0	0
4	M002	Commence the Left BanK Excavation above KKH for Dam Construction	0	20-Dec-17		1859	1859
5	M003	KKH-01 Traffic Opening	0		23-Jun-17	0	0
6	M004	RAR-01 Traffic Opening	0		23-Jun-17	60	115
7	M005	30MVA Substation Commisssioning	0		23-Jun-17	0	10
8	M006	Completion of Service Tunnel A of Dasu-MW-02	0		07-Jul-18	0	723
9	M007	Completion of Service Tunnel B of Dasu-MW-02	0		17-Jul-18	0	713
10	M008	River Closure	0	10-Oct-18		0	0
11	M009	Completion of Control Room in Dam Control House	0		27-May-21	604	604
12	M010	Completion of 9 LLO Maintance Gates	0		21-Dec-21	0	0
13	M011	Completion of 3 Full Sets of LLO Gates	0		21-Dec-21	0	0
14	M012	Completion of Spillway Bridge	0		21-Dec-21	0	0
15	M013	Completion of Flushing Tunnels Including Dry Test of Gates and Stoplogs	0		14-Nov-21	37	37
16	M014	Reservoir Impounding	0	22-Dec-21		0	0
17	M015	Project Completion	0		21-Jan-23	0	0
18		Possession of Site	161	23-Jun-17	30-Nov-17	0	1758
19		Barseen Area	0	23-Jun-17	23-Jun-17	0	0
20	PS002	D/S end of Barseen Area	0		23-Jun-17	0	0
21	PS003	All other Barseen Area	0		23-Jun-17	0	0
22		Uchar Area	0	23-Jun-17	23-Jun-17	0	0
23	PS004	Uchar (Entire Area)	0		23-Jun-17	0	0
24		Siglo Area£¨Right Bank£©	0	23-Jun-17	23-Jun-17	0	115
25	PS005	U/S half of Siglo Area	0		23-Jun-17	0	55
26	PS006	Right Abutment of Dam	0		23-Jun-17	0	55
27	PS007	D/S half of Siglo Area	0		23-Jun-17	0	55
28	PS008	D/S end of Siglo Area£¨Along river£©	0		23-Jun-17	60	115
29	PS009	D/S end of Siglo Area£¨Rest£©	0		23-Jun-17	0	55
30		Khoshi-Logro Area£¨Left Bank£©	0	23-Jun-17	23-Jun-17	0	115
31	PS011	U/S of diversion tunnel inlet	0		23-Jun-17	0	10
32	PS012	Inlet of diversion tunnel and left flushing tunnel£¨Below KKH)	0		23-Jun-17	0	0
33	PS013	Inlet of diversion tunnel and left flushing tunnel£¨Above KKH)	0		23-Jun-17	0	0
34	PS014	Left abutment of Dam	0		23-Jun-17	0	107
35	PS015	Access to LD3	0		23-Jun-17	60	115
36	PS016	LD3(nearby Dam)	0		23-Jun-17	60	115
37	PS017	Around Switch Yard access to LD6	0		23-Jun-17	60	115
38	PS018	LD6	0		23-Jun-17	60	115
39	PS019	D/S of diversion tunnel outlet£¨Below KKH)	0		23-Jun-17	0	0
40	PS020	Diversion tunnel outlet£¨Below KKH)	0		23-Jun-17	0	0
41		Kass£¨(Previously Zaal)£©Area	0	23-Jun-17	23-Jun-17	0	186
42	PS025	D/S Part of Kass Area	0		23-Jun-17	45	115
43	PS026	U/S Part of Kass Area	0		23-Jun-17	45	186
44		Shall Area	0	23-Jun-17	23-Jun-17	0	130
45	PS027	Shall area	0		23-Jun-17	0	130
46		Sheikhabad (previously kass) Area	0	23-Jun-17	23-Jun-17	0	66
47	PS028	U/S part of Sheikhabad area	0		23-Jun-17	0	53
48	PS029	D/S part of Sheikhabad area	0		23-Jun-17	0	66
49		Bailey Bridge and its Access Road	0	30-Nov-17	30-Nov-17	0	1758
50	PS030	Bailey Bridge and its temporary Access Road	0		30-Nov-17	0	1758
51		Gini Area	0	23-Jun-17	23-Jun-17	0	278
52	PS031	Gine area	0		23-Jun-17	0	278
53		Aggregate Belt Conveyor	0	23-Jun-17	23-Jun-17	0	176

Figure 16: Gantt Chart of Dasu-MW-01 (1 of 6)

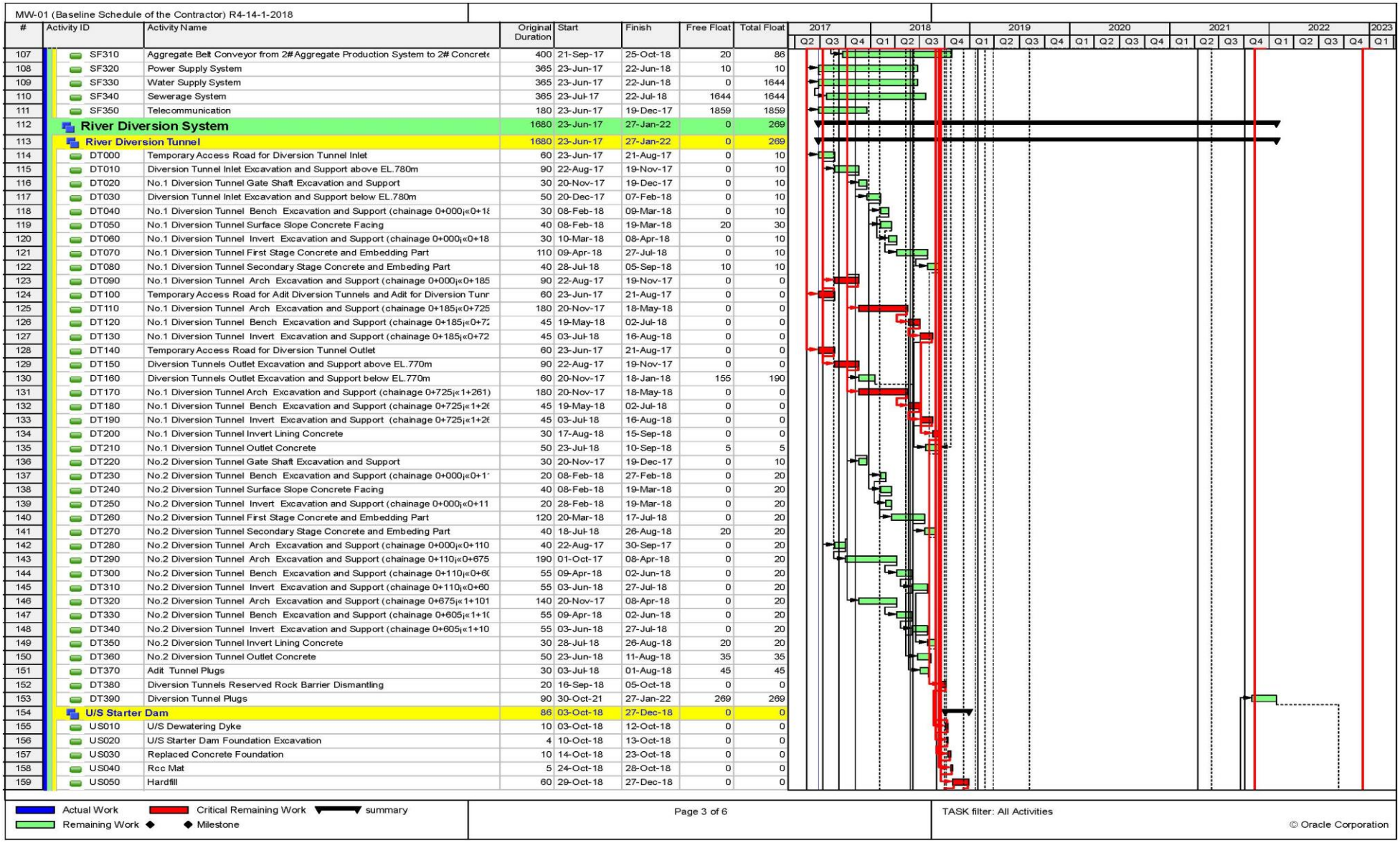
Figure 16 [2/6]



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
54	PS032	Aggregate Belt Conveyor from 2# Aggregate Production System to 2# Concrete	0		23-Jun-17	90	176
55	**Mobilization Schedule**		720	23-Jun-17	12-Jun-19	0	1319
56	**Pre-Construction**		660	23-Jun-17	13-Apr-19	0	190
57	PC010	Hand over and check survey control points ,set up survey control net	30	23-Jun-17	22-Jul-17	0	30
58	PC020	The Contractor Received the Construction Drawings issued by the Engineer	30	23-Jun-17	22-Jul-17	0	0
59	PC030	Submission & Reveiw&Approval of Shopping Drawings required at the Beginnir	30	23-Jul-17	21-Aug-17	0	0
60	PC040	Sources Approval and Procure for Materials Required at the Beginning	30	23-Jun-17	22-Jul-17	30	30
61	PC050	Original Topographic Survey	630	23-Jul-17	13-Apr-19	25	190
62	**Manpower**		160	23-Jul-17	29-Dec-17	0	85
63	MM010	Mobilization of Key Staff (First Batch£©	30	23-Jul-17	21-Aug-17	0	0
64	MM020	Mobilization of Senior Staff (First Batch£©	30	23-Jul-17	21-Aug-17	0	0
65	MM030	Mobilization of Junior Staff (First Batch£©	30	23-Jul-17	21-Aug-17	0	0
66	MM040	Mobilization of Key Staff (Second Batch)	60	22-Aug-17	20-Oct-17	0	96
67	MM050	Mobilization of Senior Staff (Second Batch)	60	22-Aug-17	20-Oct-17	0	96
68	MM060	Mobilization of Junior Staff (Second Batch)	60	22-Aug-17	20-Oct-17	30	96
69	MM070	Mobilization of Labor living in 1# Contractor's Camp	160	23-Jul-17	29-Dec-17	30	30
70	MM080	Mobilization of Labor living in 2# Contractor's Camp	160	23-Jul-17	29-Dec-17	30	85
71	MM090	Mobilization of Labor living in 3# Contractor's Camp	160	23-Jul-17	29-Dec-17	30	66
72	**Equipment**		271	23-Jun-17	20-Mar-18	0	264
73	ME010	Mobilization of Main Earthwork Equipment (First Batch£©	120	23-Jun-17	20-Oct-17	0	4
74	ME020	Mobilization of Main Concrete Equipment (First Batch£©	120	24-Jul-17	20-Nov-17	0	4
75	ME030	Mobilization of Main Earthwork Equipment (Second Batch)	120	20-Nov-17	19-Mar-18	265	265
76	ME040	Mobilization of Main Concrete Equipment (Second Batch)	120	21-Nov-17	20-Mar-18	234	234
77	**Site Facilities**		720	23-Jun-17	12-Jun-19	0	1319
78	SF020	1# Contractor's Camp (D/S End of Barseen Area)	300	23-Jun-17	18-Apr-18	0	0
79	SF030	2# Contractor's Camp (D/S end of Siglo Area)	300	23-Jun-17	18-Apr-18	0	85
80	SF040	3# Contractor's Camp (D/S Part of Sheikhabad Area)	365	23-Jun-17	22-Jun-18	0	66
81	SF050	4# Contractor's Camp (Shall Area)	300	23-Jun-17	18-Apr-18	60	156
82	SF060	Site Laboratory (Shall Area)	120	23-Jun-17	20-Oct-17	110	130
83	SF070	1# Aggregate Production System (Uchar Area)	121	23-Jun-17	21-Oct-17	0	0
84	SF080	2# Aggregate Production System (U/S part of Kass Area)	390	20-Nov-17	14-Dec-18	36	36
85	SF090	1# Concrete Production System (Uchar Area)	121	23-Jun-17	21-Oct-17	0	0
86	SF100	2# Concrete Production System (D/S half of Siglo Area)	360	20-Nov-17	14-Nov-18	0	66
87	SF110	Precasting Plant (Uchar Area)	150	14-Jan-19	12-Jun-19	765	765
88	SF120	1# Reinforcement Bar Processing Plant (All Other Barseen Area)	90	23-Jun-17	20-Sep-17	0	0
89	SF130	2# Reinforcement Bar Processing Plant (D/S Part of Sheikhabad Area)	90	21-Sep-17	19-Dec-17	0	36
90	SF140	1# Formwork Processing Plant (All Other Barseen Area)	90	23-Jun-17	20-Sep-17	0	0
91	SF150	2# Formwork Processing Plant (D/S Part of Sheikhabad Area)	90	21-Sep-17	19-Dec-17	0	36
92	SF160	1# Machinery Maintenance Plant and Parking Yard (All Other Barseen Area)	150	23-Jun-17	19-Nov-17	0	4
93	SF170	2# Machinery Maintenance Plant and Parking Yard (U/S Part of Sheikhabad Ar	150	23-Jun-17	19-Nov-17	0	53
94	SF180	Material Storage (D/S Part of Sheikhabad Area)	150	19-Jan-18	17-Jun-18	0	53
95	SF190	Fuel Station (D/S Part of Sheikhabad Area)	90	23-Jun-17	20-Sep-17	60	100
96	SF200	Hydraulic Steel Structure Processing Plant (U/S Part of Sheikhabad Area)	210	18-Jun-18	13-Jan-19	0	53
97	SF210	Explosive Magazine Construction Procedure	180	07-Aug-17	02-Feb-18	351	388
98	SF220	Temporary Explosive Magazine at left bank upstream of dam	45	23-Jun-17	06-Aug-17	0	15
99	SF230	Pozzolan Production System (Gini Area)	210	23-Jun-17	18-Jan-18	278	278
100	SF240	Bailey Bridge (D/S of Tailrace Tunnel Outlet)	120	01-Dec-17	30-Mar-18	1758	1758
101	SF250	Cable-Crane Platform Excavation of Left Bank	90	23-Jun-17	20-Sep-17	31	107
102	SF260	Cable-Crane Platform Concrete of Left Bank	150	22-Oct-17	20-Mar-18	140	146
103	SF270	Cable-Crane Platform Excavation of Right Bank	60	23-Jun-17	21-Aug-17	0	55
104	SF280	Cable-Crane Platform Concrete of Right Bank	150	22-Oct-17	20-Mar-18	0	6
105	SF290	Cable-Crane Installation	90	08-Aug-18	05-Nov-18	0	6
106	SF300	RCC Concrete Conveying System at the first stage	300	20-Mar-18	13-Jan-19	6	6

Gantt Chart of Dasu-MW-01 (2 of 6)

Figure 16 [3/6]



MW-01 (Baseline Schedule of the Contractor) R4-14-1-2018

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
107	SF310	Aggregate Belt Conveyor from 2# Aggregate Production System to 2# Concrete	400	21-Sep-17	25-Oct-18	20	86
108	SF320	Power Supply System	365	23-Jun-17	22-Jun-18	10	10
109	SF330	Water Supply System	365	23-Jun-17	22-Jun-18	0	1644
110	SF340	Sewerage System	365	23-Jul-17	22-Jul-18	1644	1644
111	SF350	Telecommunication	180	23-Jun-17	19-Dec-17	1859	1859
112	**River Diversion System**		1680	23-Jun-17	27-Jan-22	0	269
113	**River Diversion Tunnel**		1680	23-Jun-17	27-Jan-22	0	269
114	DT000	Temporary Access Road for Diversion Tunnel Inlet	60	23-Jun-17	21-Aug-17	0	10
115	DT010	Diversion Tunnel Inlet Excavation and Support above EL.780m	90	22-Aug-17	19-Nov-17	0	10
116	DT020	No.1 Diversion Tunnel Gate Shaft Excavation and Support	30	20-Nov-17	19-Dec-17	0	10
117	DT030	Diversion Tunnel Inlet Excavation and Support below EL.780m	50	20-Dec-17	07-Feb-18	0	10
118	DT040	No.1 Diversion Tunnel Bench Excavation and Support (chainage 0+000~0+18	30	08-Feb-18	09-Mar-18	0	10
119	DT050	No.1 Diversion Tunnel Surface Slope Concrete Facing	40	08-Feb-18	19-Mar-18	20	30
120	DT060	No.1 Diversion Tunnel Invert Excavation and Support (chainage 0+000~0+18	30	10-Mar-18	08-Apr-18	0	10
121	DT070	No.1 Diversion Tunnel First Stage Concrete and Embedding Part	110	09-Apr-18	27-Jul-18	0	10
122	DT080	No.1 Diversion Tunnel Secondary Stage Concrete and Embeding Part	40	28-Jul-18	05-Sep-18	10	10
123	DT090	No.1 Diversion Tunnel Arch Excavation and Support (chainage 0+000~0+185	90	22-Aug-17	19-Nov-17	0	0
124	DT100	Temporary Access Road for Adit Diversion Tunnels and Adit for Diversion Tunr	60	23-Jun-17	21-Aug-17	0	0
125	DT110	No.1 Diversion Tunnel Arch Excavation and Support (chainage 0+185~0+725	180	20-Nov-17	18-May-18	0	0
126	DT120	No.1 Diversion Tunnel Bench Excavation and Support (chainage 0+185~0+72	45	19-May-18	02-Jul-18	0	0
127	DT130	No.1 Diversion Tunnel Invert Excavation and Support (chainage 0+185~0+72	45	03-Jul-18	16-Aug-18	0	0
128	DT140	Temporary Access Road for Diversion Tunnel Outlet	60	23-Jun-17	21-Aug-17	0	0
129	DT150	Diversion Tunnels Outlet Excavation and Support above EL.770m	90	22-Aug-17	19-Nov-17	0	0
130	DT160	Diversion Tunnels Outlet Excavation and Support below EL.770m	60	20-Nov-17	18-Jan-18	155	190
131	DT170	No.1 Diversion Tunnel Arch Excavation and Support (chainage 0+725~1+261)	180	20-Nov-17	18-May-18	0	0
132	DT180	No.1 Diversion Tunnel Bench Excavation and Support (chainage 0+725~1+26	45	19-May-18	02-Jul-18	0	0
133	DT190	No.1 Diversion Tunnel Invert Excavation and Support (chainage 0+725~1+26	45	03-Jul-18	16-Aug-18	0	0
134	DT200	No.1 Diversion Tunnel Invert Lining Concrete	30	17-Aug-18	15-Sep-18	0	0
135	DT210	No.1 Diversion Tunnel Outlet Concrete	50	23-Jul-18	10-Sep-18	5	5
136	DT220	No.2 Diversion Tunnel Gate Shaft Excavation and Support	30	20-Nov-17	19-Dec-17	0	10
137	DT230	No.2 Diversion Tunnel Bench Excavation and Support (chainage 0+000~0+1	20	08-Feb-18	27-Feb-18	0	20
138	DT240	No.2 Diversion Tunnel Surface Slope Concrete Facing	40	08-Feb-18	19-Mar-18	0	20
139	DT250	No.2 Diversion Tunnel Invert Excavation and Support (chainage 0+000~0+11	20	28-Feb-18	19-Mar-18	0	20
140	DT260	No.2 Diversion Tunnel First Stage Concrete and Embedding Part	120	20-Mar-18	17-Jul-18	0	20
141	DT270	No.2 Diversion Tunnel Secondary Stage Concrete and Embeding Part	40	18-Jul-18	26-Aug-18	20	20
142	DT280	No.2 Diversion Tunnel Arch Excavation and Support (chainage 0+000~0+110	40	22-Aug-17	30-Sep-17	0	20
143	DT290	No.2 Diversion Tunnel Arch Excavation and Support (chainage 0+110~0+675	190	01-Oct-17	08-Apr-18	0	20
144	DT300	No.2 Diversion Tunnel Bench Excavation and Support (chainage 0+110~0+6	55	09-Apr-18	02-Jun-18	0	20
145	DT310	No.2 Diversion Tunnel Invert Excavation and Support (chainage 0+110~0+60	55	03-Jun-18	27-Jul-18	0	20
146	DT320	No.2 Diversion Tunnel Arch Excavation and Support (chainage 0+675~1+101	140	20-Nov-17	08-Apr-18	0	20
147	DT330	No.2 Diversion Tunnel Bench Excavation and Support (chainage 0+605~1+1	55	09-Apr-18	02-Jun-18	0	20
148	DT340	No.2 Diversion Tunnel Invert Excavation and Support (chainage 0+605~1+10	55	03-Jun-18	27-Jul-18	0	20
149	DT350	No.2 Diversion Tunnel Invert Lining Concrete	30	28-Jul-18	26-Aug-18	20	20
150	DT360	No.2 Diversion Tunnel Outlet Concrete	50	23-Jun-18	11-Aug-18	35	35
151	DT370	Adit Tunnel Plugs	30	03-Jul-18	01-Aug-18	45	45
152	DT380	Diversion Tunnels Reserved Rock Barrier Dismantling	20	16-Sep-18	05-Oct-18	0	0
153	DT390	Diversion Tunnel Plugs	90	30-Oct-21	27-Jan-22	269	269
154	**U/S Starter Dam**		86	03-Oct-18	27-Dec-18	0	0
155	US010	U/S Dewatering Dyke	10	03-Oct-18	12-Oct-18	0	0
156	US020	U/S Starter Dam Foundation Excavation	4	10-Oct-18	13-Oct-18	0	0
157	US030	Replaced Concrete Foundation	10	14-Oct-18	23-Oct-18	0	0
158	US040	Rcc Mat	5	24-Oct-18	28-Oct-18	0	0
159	US050	Hardfill	60	29-Oct-18	27-Dec-18	0	0

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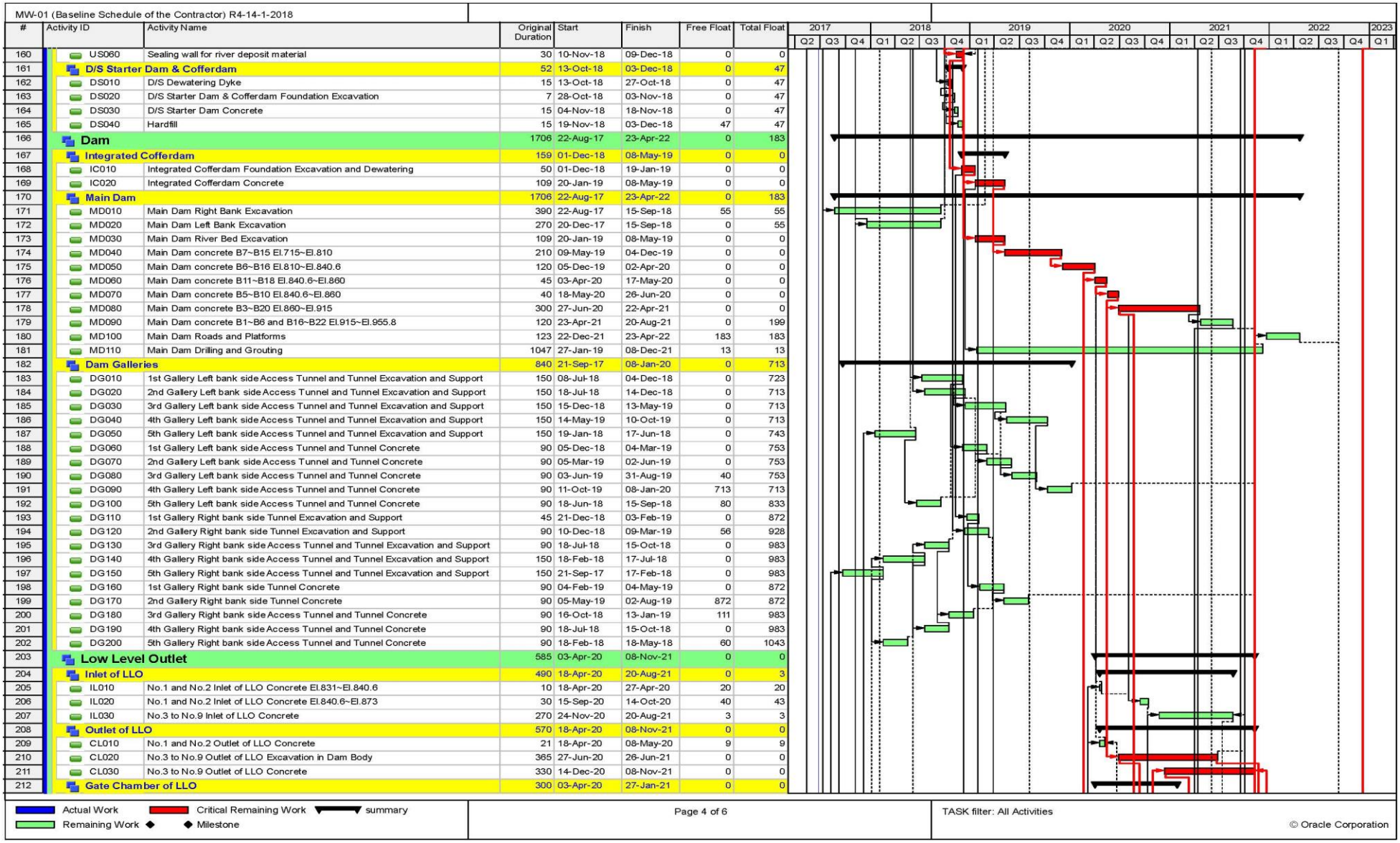
Gantt Chart of Dasu-MW-01 (3 of 6)

Figure 16 [4/6]



MW-01 (Baseline Schedule of the Contractor) R4-14-1-2018

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
160	US060	Sealing wall for river deposit material	30	10-Nov-18	09-Dec-18	0	0
161	D/S Starter Dam & Cofferdam		52	13-Oct-18	03-Dec-18	0	47
162	DS010	D/S Dewatering Dyke	15	13-Oct-18	27-Oct-18	0	47
163	DS020	D/S Starter Dam & Cofferdam Foundation Excavation	7	28-Oct-18	03-Nov-18	0	47
164	DS030	D/S Starter Dam Concrete	15	04-Nov-18	18-Nov-18	0	47
165	DS040	Hardfill	15	19-Nov-18	03-Dec-18	47	47
166	Dam		1706	22-Aug-17	23-Apr-22	0	183
167	Integrated Cofferdam		159	01-Dec-18	08-May-19	0	0
168	IC010	Integrated Cofferdam Foundation Excavation and Dewatering	50	01-Dec-18	19-Jan-19	0	0
169	IC020	Integrated Cofferdam Concrete	109	20-Jan-19	08-May-19	0	0
170	Main Dam		1706	22-Aug-17	23-Apr-22	0	183
171	MD010	Main Dam Right Bank Excavation	390	22-Aug-17	15-Sep-18	55	55
172	MD020	Main Dam Left Bank Excavation	270	20-Dec-17	15-Sep-18	0	55
173	MD030	Main Dam River Bed Excavation	109	20-Jan-19	08-May-19	0	0
174	MD040	Main Dam concrete B7~B15 El.715~El.810	210	09-May-19	04-Dec-19	0	0
175	MD050	Main Dam concrete B6~B16 El.810~El.840.6	120	05-Dec-19	02-Apr-20	0	0
176	MD060	Main Dam concrete B11~B18 El.840.6~El.860	45	03-Apr-20	17-May-20	0	0
177	MD070	Main Dam concrete B5~B10 El.840.6~El.860	40	18-May-20	26-Jun-20	0	0
178	MD080	Main Dam concrete B3~B20 El.860~El.915	300	27-Jun-20	22-Apr-21	0	0
179	MD090	Main Dam concrete B1~B6 and B16~B22 El.915~El.955.8	120	23-Apr-21	20-Aug-21	0	199
180	MD100	Main Dam Roads and Platforms	123	22-Dec-21	23-Apr-22	183	183
181	MD110	Main Dam Drilling and Grouting	1047	27-Jan-19	08-Dec-21	13	13
182	Dam Galleries		840	21-Sep-17	08-Jan-20	0	713
183	DG010	1st Gallery Left bank side Access Tunnel and Tunnel Excavation and Support	150	08-Jul-18	04-Dec-18	0	723
184	DG020	2nd Gallery Left bank side Access Tunnel and Tunnel Excavation and Support	150	18-Jul-18	14-Dec-18	0	713
185	DG030	3rd Gallery Left bank side Access Tunnel and Tunnel Excavation and Support	150	15-Dec-18	13-May-19	0	713
186	DG040	4th Gallery Left bank side Access Tunnel and Tunnel Excavation and Support	150	14-May-19	10-Oct-19	0	713
187	DG050	5th Gallery Left bank side Access Tunnel and Tunnel Excavation and Support	150	19-Jan-18	17-Jun-18	0	743
188	DG060	1st Gallery Left bank side Access Tunnel and Tunnel Concrete	90	05-Dec-18	04-Mar-19	0	753
189	DG070	2nd Gallery Left bank side Access Tunnel and Tunnel Concrete	90	05-Mar-19	02-Jun-19	0	753
190	DG080	3rd Gallery Left bank side Access Tunnel and Tunnel Concrete	90	03-Jun-19	31-Aug-19	40	753
191	DG090	4th Gallery Left bank side Access Tunnel and Tunnel Concrete	90	11-Oct-19	08-Jan-20	713	713
192	DG100	5th Gallery Left bank side Access Tunnel and Tunnel Concrete	90	18-Jun-18	15-Sep-18	80	833
193	DG110	1st Gallery Right bank side Tunnel Excavation and Support	45	21-Dec-18	03-Feb-19	0	872
194	DG120	2nd Gallery Right bank side Tunnel Excavation and Support	90	10-Dec-18	09-Mar-19	56	928
195	DG130	3rd Gallery Right bank side Access Tunnel and Tunnel Excavation and Support	90	18-Jul-18	15-Oct-18	0	983
196	DG140	4th Gallery Right bank side Access Tunnel and Tunnel Excavation and Support	150	18-Feb-18	17-Jul-18	0	983
197	DG150	5th Gallery Right bank side Access Tunnel and Tunnel Excavation and Support	150	21-Sep-17	17-Feb-18	0	983
198	DG160	1st Gallery Right bank side Tunnel Concrete	90	04-Feb-19	04-May-19	0	872
199	DG170	2nd Gallery Right bank side Tunnel Concrete	90	05-May-19	02-Aug-19	872	872
200	DG180	3rd Gallery Right bank side Access Tunnel and Tunnel Concrete	90	16-Oct-18	13-Jan-19	111	983
201	DG190	4th Gallery Right bank side Access Tunnel and Tunnel Concrete	90	18-Jul-18	15-Oct-18	0	983
202	DG200	5th Gallery Right bank side Access Tunnel and Tunnel Concrete	90	18-Feb-18	18-May-18	60	1043
203	Low Level Outlet		585	03-Apr-20	08-Nov-21	0	0
204	Inlet of LLO		490	18-Apr-20	20-Aug-21	0	3
205	IL010	No.1 and No.2 Inlet of LLO Concrete El.831~El.840.6	10	18-Apr-20	27-Apr-20	20	20
206	IL020	No.1 and No.2 Inlet of LLO Concrete El.840.6~El.873	30	15-Sep-20	14-Oct-20	40	43
207	IL030	No.3 to No.9 Inlet of LLO Concrete	270	24-Nov-20	20-Aug-21	3	3
208	Outlet of LLO		570	18-Apr-20	08-Nov-21	0	0
209	CL010	No.1 and No.2 Outlet of LLO Concrete	21	18-Apr-20	08-May-20	9	9
210	CL020	No.3 to No.9 Outlet of LLO Excavation in Dam Body	365	27-Jun-20	26-Jun-21	0	0
211	CL030	No.3 to No.9 Outlet of LLO Concrete	330	14-Dec-20	08-Nov-21	0	0
212	Gate Chamber of LLO		300	03-Apr-20	27-Jan-21	0	0

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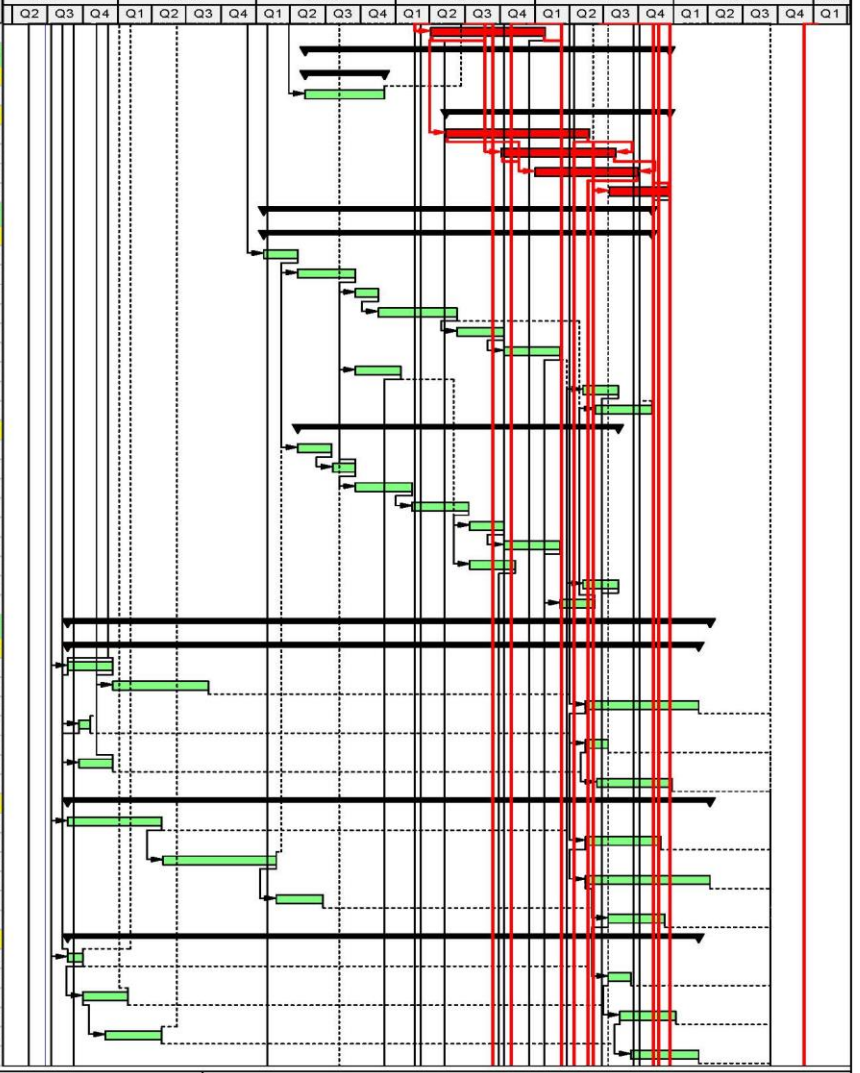
Gantt Chart of Dasu-MW-01 (4 of 6)

Figure 16 [5/6]

MW-01 (Baseline Schedule of the Contractor) R4-14-1-2018

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
213	GL010	Gate Chamber of LLO Concrete	300	03-Apr-20	27-Jan-21	0	0
214	**Spillway & Plunge Pool**		958	09-May-19	21-Dec-21	0	0
215	**Plunge Pool**		210	09-May-19	04-Dec-19	0	165
216	PP010	Plunge Pool Excavation	210	09-May-19	04-Dec-19	156	165
217	**Spillway**		588	13-May-20	21-Dec-21	0	0
218	SW010	Spillway Wall and Pier Concrete	378	13-May-20	25-May-21	0	0
219	SW020	Spillway Flip Bucket Concrete	300	05-Oct-20	31-Jul-21	0	0
220	SW030	Spillway Shape Concrete	270	03-Jan-21	29-Sep-21	0	0
221	SW040	Spillway Bridge	158	17-Jul-21	21-Dec-21	0	0
222	**Flushing Tunnel**		1020	20-Jan-19	04-Nov-21	0	47
223	**Left Bank Flushing Tunnel**		1020	20-Jan-19	04-Nov-21	0	47
224	LF010	Left Bank Flushing Tunnel Inlet Excavation and Support	90	20-Jan-19	19-Apr-19	0	37
225	LF020	Left Bank Flushing U/S Tunnel Excavation and Support	150	20-Apr-19	16-Sep-19	0	37
226	LF030	Left Bank Flushing Tunnel Outlet Excavation and Support	60	17-Sep-19	15-Nov-19	0	37
227	LF040	Left Bank Flushing D/S Tunnel Excavation and Support	210	16-Nov-19	12-Jun-20	0	37
228	LF050	Left Bank Flushing Tunnel Gate Chamber Access Tunnel Excavation and Supp	120	13-Jun-20	10-Oct-20	0	37
229	LF060	Left Bank Flushing Tunnel Gate Chamber Excavation and Support	150	11-Oct-20	09-Mar-21	0	37
230	LF070	Left Bank Flushing U/S Tunnel and Inlet Concrete	120	17-Sep-19	14-Jan-20	0	567
231	LF080	Left Bank Flushing Tunnel Gate Chamber & Access Tunnel Concrete	90	09-May-21	06-Aug-21	0	37
232	LF090	Left Bank Flushing D/S Tunnel and Outlet Concrete	150	08-Jun-21	04-Nov-21	10	47
233	**Right Bank Flushing Tunnel**		840	20-Apr-19	06-Aug-21	0	117
234	RF010	Right Bank Flushing Tunnel Inlet Excavation and Support	90	20-Apr-19	18-Jul-19	0	37
235	RF020	Right Bank Flushing Tunnel Outlet Excavation and Support	60	19-Jul-19	16-Sep-19	0	37
236	RF030	Right Bank Flushing D/S Tunnel Excavation and Support	150	17-Sep-19	13-Feb-20	0	37
237	RF040	Right Bank Flushing U/S Tunnel Excavation and Support	150	14-Feb-20	12-Jul-20	0	37
238	RF050	Right Bank Flushing Tunnel Gate Chamber Access Tunnel Excavation and Sup	90	13-Jul-20	10-Oct-20	0	37
239	RF060	Right Bank Flushing Tunnel Gate Chamber Excavation and Support	150	11-Oct-20	09-Mar-21	0	37
240	RF070	Right Bank Flushing U/S Tunnel and Inlet Concrete	120	13-Jul-20	09-Nov-20	0	387
241	RF080	Right Bank Flushing Tunnel Gate Chamber & Access Tunnel Concrete	90	09-May-21	06-Aug-21	0	37
242	RF090	Right Bank Flushing D/S Tunnel and Outlet Concrete	90	10-Mar-21	07-Jun-21	0	47
243	**Permanent Access Road**		1690	22-Aug-17	07-Apr-22	0	199
244	**LD Roads**		1660	22-Aug-17	08-Mar-22	0	229
245	LD010	LD6 (1372m) Preliminary access road	120	22-Aug-17	19-Dec-17	0	55
246	LD020	LD6 (1372m) Phase II Earthwork and Roadbed works	250	20-Dec-17	26-Aug-18	990	1189
247	LD030	LD6 (1372m) Pravements and auxiliary works	300	13-May-21	08-Mar-22	0	199
248	LD040	LD3 (127m) Earthwork and Roadbed works	30	21-Sep-17	20-Oct-17	0	55
249	LD050	LD3 (127m) Pravements and auxiliary works	60	13-May-21	11-Jul-21	0	299
250	LD060	LD4 (850m) Earthwork and Roadbed works	90	21-Sep-17	19-Dec-17	0	55
251	LD070	LD4 (850m) Pravements and auxiliary works	200	12-Jun-21	28-Dec-21	299	299
252	**RU Roads**		1690	22-Aug-17	07-Apr-22	0	199
253	RU010	RU3 (1048m) Earthwork and Roadbed works	250	22-Aug-17	28-Apr-18	0	93
254	RU020	RU3(1048m) Pravements and auxiliary works	200	13-May-21	28-Nov-21	0	199
255	RU030	RU1 (1681m) Earthwork and Roadbed works	300	29-Apr-18	22-Feb-19	0	93
256	RU040	RU1 (1681m) Pravements and auxiliary works	330	13-May-21	07-Apr-22	0	199
257	RU050	RU2 (613m) Earthwork and Roadbed works	120	23-Feb-19	22-Jun-19	750	979
258	RU060	RU2 (613m) Pravements and auxiliary works	150	12-Jul-21	08-Dec-21	0	229
259	**RD Roads**		1660	22-Aug-17	08-Mar-22	0	229
260	RD010	RD1 (201m) Earthwork and Roadbed works	40	22-Aug-17	30-Sep-17	0	176
261	RD020	RD1 (201m) Pravements and auxiliary works	60	12-Jul-21	09-Sep-21	0	229
262	RD030	RD2 (712m) Earthwork and Roadbed works	120	01-Oct-17	28-Jan-18	0	1003
263	RD040	RD2 (712m) Pravements and auxiliary works	150	11-Aug-21	07-Jan-22	0	229
264	RD050	RD3 (745m) Earthwork and Roadbed works	150	30-Nov-17	28-Apr-18	80	1063
265	RD060	RD3 (745m) Pravements and auxiliary works	180	10-Sep-21	08-Mar-22	229	229



Actual Work · Remaining Work · Critical Remaining Work · summary · Milestone

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TASK filter: All Activities

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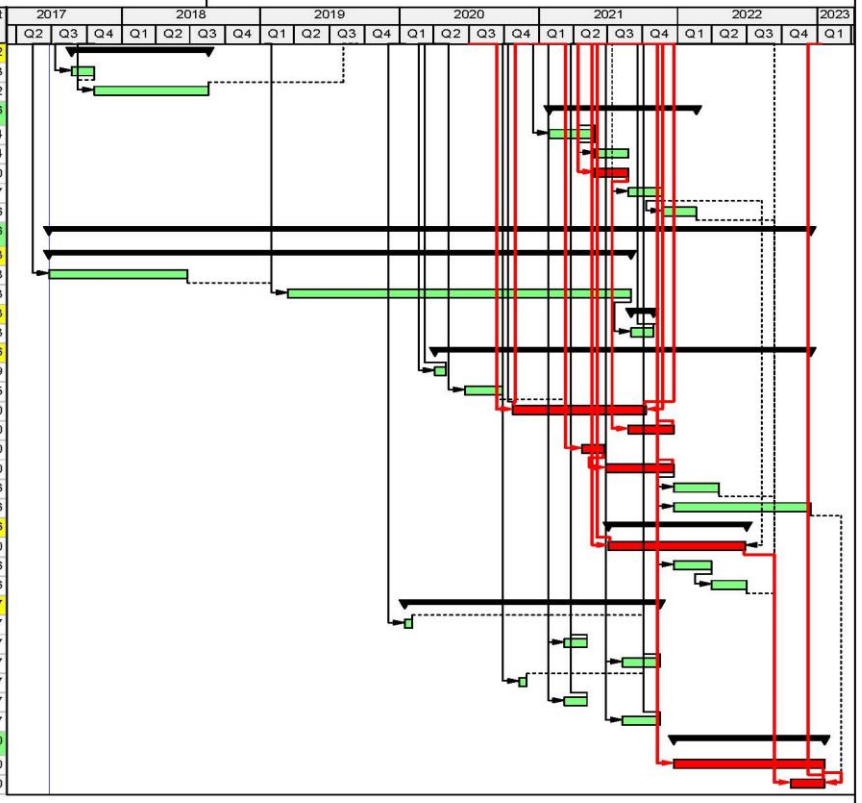
Gantt Chart of Dasu-MW-01 (5 of 6)

Figure 16 [6/6]

MW-01 (Baseline Schedule of the Contractor) R4-14-1-2018

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
266	Spoil Bank		361	22-Aug-17	17-Aug-18	0	962
267	SB010	Earthwork	60	22-Aug-17	20-Oct-17	1	963
268	SB020	Concrete Works	300	22-Oct-17	17-Aug-18	395	962
269	Architecture		388	28-Jan-21	19-Feb-22	0	336
270	AR010	Dam Control House	120	28-Jan-21	27-May-21	0	514
271	AR020	Power Distribution House	90	28-May-21	25-Aug-21	514	514
272	AR030	LLO Hoist Chamber	90	26-May-21	23-Aug-21	0	0
273	AR040	Spillway Gate Chamber	90	24-Aug-21	21-Nov-21	0	217
274	AR050	Guard House	90	22-Nov-21	19-Feb-22	246	246
275	Hydraulic Steel Structures		2003	23-Jun-17	16-Dec-22	0	36
276	Manufacturing, Transport and Delivery		1530	23-Jun-17	30-Aug-21	0	53
277	MTD010	Hydraulic Steel Structures Design Services	365	23-Jun-17	22-Jun-18	265	318
278	MTD020	Hydraulic Steel Structures Manufacturing, Transport and Delivery	900	15-Mar-19	30-Aug-21	0	53
279	Diversion Tunnel		60	31-Aug-21	29-Oct-21	0	53
280	DH010	Diversion Gates and Hoists	60	31-Aug-21	29-Oct-21	0	53
281	Low Level Outlet		988	03-Apr-20	16-Dec-22	0	36
282	LH010	No.1 and No.2 LLO Steel Liners	30	03-Apr-20	02-May-20	0	9
283	LH020	LLO Overhead Travelling Crane	100	22-Jun-20	29-Sep-20	25	25
284	LH030	No.3 to No.9 LLO Steel Liners	350	25-Oct-20	09-Oct-21	0	0
285	LH040	LLO Mantenance Gates and Hoists	120	24-Aug-21	21-Dec-21	0	0
286	LH050	No.1 to No.3 LLO Guard Gates and Hoists	60	26-Apr-21	24-Jun-21	0	0
287	LH060	No.1 to No.3 LLO Regulating Gates and Hoists	180	25-Jun-21	21-Dec-21	0	0
288	LH070	No.4 to No.9 LLO Guard Gates and Hoists	120	22-Dec-21	20-Apr-22	186	186
289	LH080	No.4 to No.9 LLO Regulating Gates and Hoists	360	22-Dec-21	16-Dec-22	36	36
290	Spillway		363	02-Jul-21	29-Jun-22	0	116
291	SH010	Spillway Gates and Hoists	360	02-Jul-21	26-Jun-22	0	0
292	SH020	Spillway Gantry Crane	100	22-Dec-21	31-Mar-22	0	116
293	SH030	Spillway Stoplogs	90	01-Apr-22	29-Jun-22	116	116
294	Flushing Tunnel		670	15-Jan-20	14-Nov-21	0	37
295	FS010	Left Flushing Tunnel Inlet Stoplog	20	15-Jan-20	03-Feb-20	650	687
296	FS020	Left Flushing Tunnel Outlet Steel Liners	60	10-Mar-21	08-May-21	0	37
297	FS030	Left Flushing Tunnel Outlet Gates and Hoists	100	07-Aug-21	14-Nov-21	0	37
298	FS040	Right Flushing Tunnel Inlet Stoplog	20	10-Nov-20	29-Nov-20	350	387
299	FS050	Right Flushing Tunnel Outlet Steel Liners	60	10-Mar-21	08-May-21	0	37
300	FS060	Right Flushing Tunnel Outlet Gates and Hoists	100	07-Aug-21	14-Nov-21	0	37
301	Miscellaneous & Acceptance		396	22-Dec-21	21-Jan-23	0	0
302	MA010	Miscellaneous Works	396	22-Dec-21	21-Jan-23	0	0
303	MA020	Acceptance and Take-over	90	24-Oct-22	21-Jan-23	0	0



Actual Work
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Gantt Chart of Dasu-MW-01 (6 of 6)

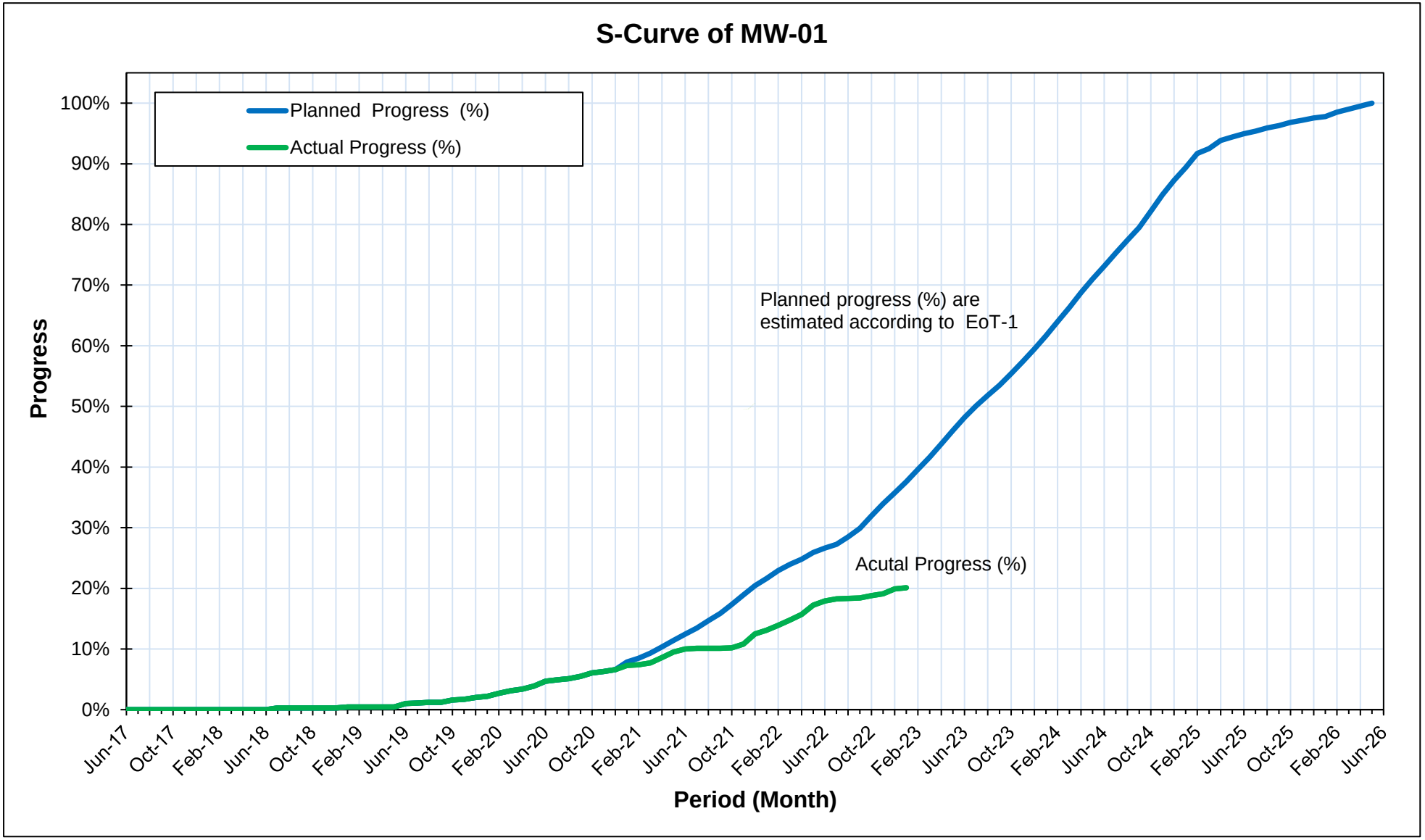
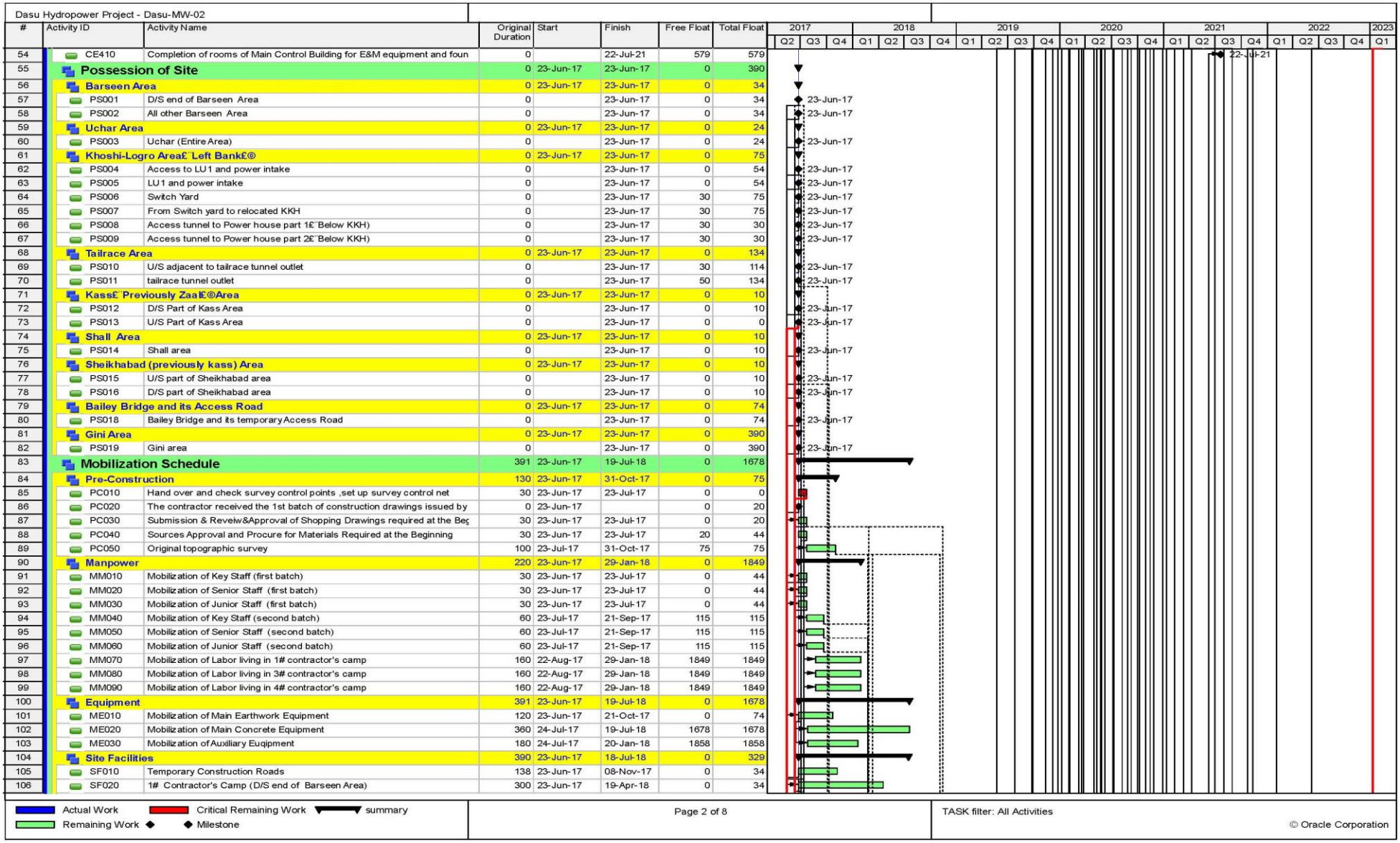


Figure 17: S-Curve for MW-01

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
1		**Dasu Hydropower Project - Dasu-MW-02**	2069	23-Jun-17	21-Feb-23	0	0
2		**Milestones**	2069	23-Jun-17	21-Feb-23	0	0
3	MS001	Notice to commence	0	23-Jun-17*		0	0
4	MS002	Ready to water filling of power tunnel #1	0	22-Dec-21		426	426
5	MS003	Connection of penstock with main inlet valve #1 to #3	0		22-Dec-21	426	426
6	MS004	Completion of dry test of 4 trashracks,4stoplogs and intake gate #1 and #2	0		22-Dec-21	426	426
7	MS005	Ready to water filling of power tunnel #2	0	17-Jul-22		219	219
8	MS006	Connection of penstock with main inlet valve #4 to #6	0		03-Dec-21	445	445
9	MS007	Ready to water filling of draft tunnels and tailrace tunnel #1 and #2	0	22-Dec-21		426	426
10	MS008	Completion of dry test of 2 sets of surge chamber gates	0		22-Dec-21	426	426
11	MS009	Completion of dry test of 2 sets of tailrace outlet gate for each tunnel	0		22-Dec-21	426	426
12	MS010	Completion of whole works	0		21-Feb-23	0	0
13		**Coordination events**	750	03-Jul-19	22-Jul-21	0	579
14	CE010	Earliest start of steel penstock installation of #1 tunnel	0	03-Jul-19		1329	1329
15	CE020	Earliest start of steel penstock installation of #2 tunnel	0	19-Jan-20		1129	1129
16	CE030	Ready to start installation of draft tube #3 by other contractor	0	07-Sep-19		1263	1263
17	CE040	Ready to start installation of draft tube #2 by other contractor	0	06-Nov-19		1203	1203
18	CE050	Ready to start installation of draft tube #1 by other contractor	0	22-Dec-19		1157	1157
19	CE060	Ready to start installation of draft tube #4 by other contractor	0	06-May-20		1021	1021
20	CE070	Ready to start installation of draft tube #5 by other contractor	0	05-Jul-20		961	961
21	CE080	Ready to start installation of draft tube #6 by other contractor	0	20-Aug-20		915	915
22	CE090	Ready to start secondary concrete of draft tube #3	0	08-Nov-19		1201	1201
23	CE100	Ready to start secondary concrete of draft tube #2	0	23-Dec-19		1156	1156
24	CE110	Ready to start secondary concrete of draft tube #1	0	07-Feb-20		1110	1110
25	CE120	Ready to start secondary concrete of draft tube #4	0	07-Jul-20		959	959
26	CE130	Ready to start secondary concrete of draft tube #5	0	21-Aug-20		914	914
27	CE140	Ready to start secondary concrete of draft tube #6	0	06-Oct-20		868	868
28	CE150	Completion of secondary concrete for draft tube #3	0		22-Dec-19	1157	1157
29	CE160	Completion of secondary concrete for draft tube #2	0		05-Feb-20	1112	1112
30	CE170	Completion of secondary concrete for draft tube #1	0		22-Mar-20	1066	1066
31	CE180	Completion of secondary concrete for draft tube #4	0		20-Aug-20	915	915
32	CE190	Completion of secondary concrete for draft tube #5	0		04-Oct-20	870	870
33	CE200	Completion of secondary concrete for draft tube #6	0		19-Nov-20	824	824
34	CE210	Ready to start installation of spiral casing #3 by other contractor	0	18-Feb-20		1099	1099
35	CE220	Ready to start installation of spiral casing #2 by other contractor	0	19-Mar-20		1069	1069
36	CE230	Ready to start installation of spiral casing #1 by other contractor	0	18-Apr-20		1039	1039
37	CE240	Ready to start installation of spiral casing #4 by other contractor	0	20-Sep-20		884	884
38	CE250	Ready to start installation of spiral casing #5 by other contractor	0	20-Oct-20		854	854
39	CE260	Ready to start installation of spiral casing #6 by other contractor	0	19-Nov-20		824	824
40	CE270	Ready to start secondary concrete of spiral casing #3	0	19-Jul-20		947	947
41	CE280	Ready to start secondary concrete of spiral casing #2	0	18-Aug-20		917	917
42	CE290	Ready to start secondary concrete of spiral casing #1	0	17-Sep-20		887	887
43	CE300	Ready to start secondary concrete of spiral casing #4	0	22-Mar-21		701	701
44	CE310	Ready to start secondary concrete of spiral casing #5	0	22-Apr-21		670	670
45	CE320	Ready to start secondary concrete of spiral casing #6	0	21-May-21		641	641
46	CE330	Completion of secondary concrete of spiral casing #3	0		18-Sep-20	886	886
47	CE340	Completion of secondary concrete of spiral casing #2	0		18-Oct-20	856	856
48	CE350	Completion of secondary concrete of spiral casing #1	0		17-Nov-20	826	826
49	CE360	Completion of secondary concrete of spiral casing #4	0		22-May-21	640	640
50	CE370	Completion of secondary concrete of spiral casing #5	0		22-Jun-21	609	609
51	CE380	Completion of secondary concrete of spiral casing #6	0		21-Jul-21	580	580
52	CE390	Ready to start installation of overhead crane by other contractor	0	21-Jun-20		975	975
53	CE400	Ready to start installation of GIS and transformer equipment by other cont	0	20-Feb-21		731	731

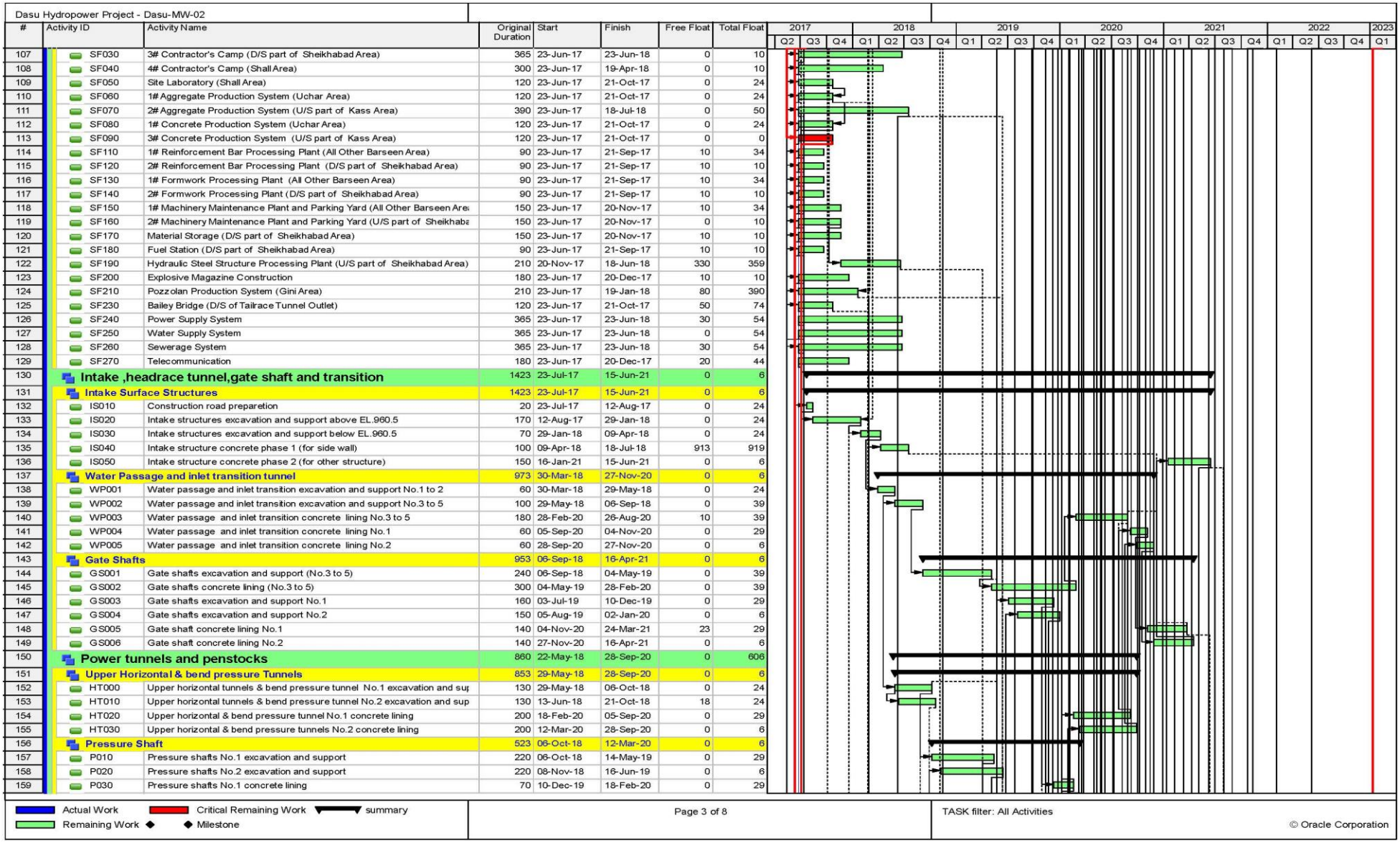
Figure 18: Gantt Chart of Dasu-MW-02 (1 of 8)

Figure 18 [2/8]



Gantt Chart of Dasu-MW-02 (2 of 8)

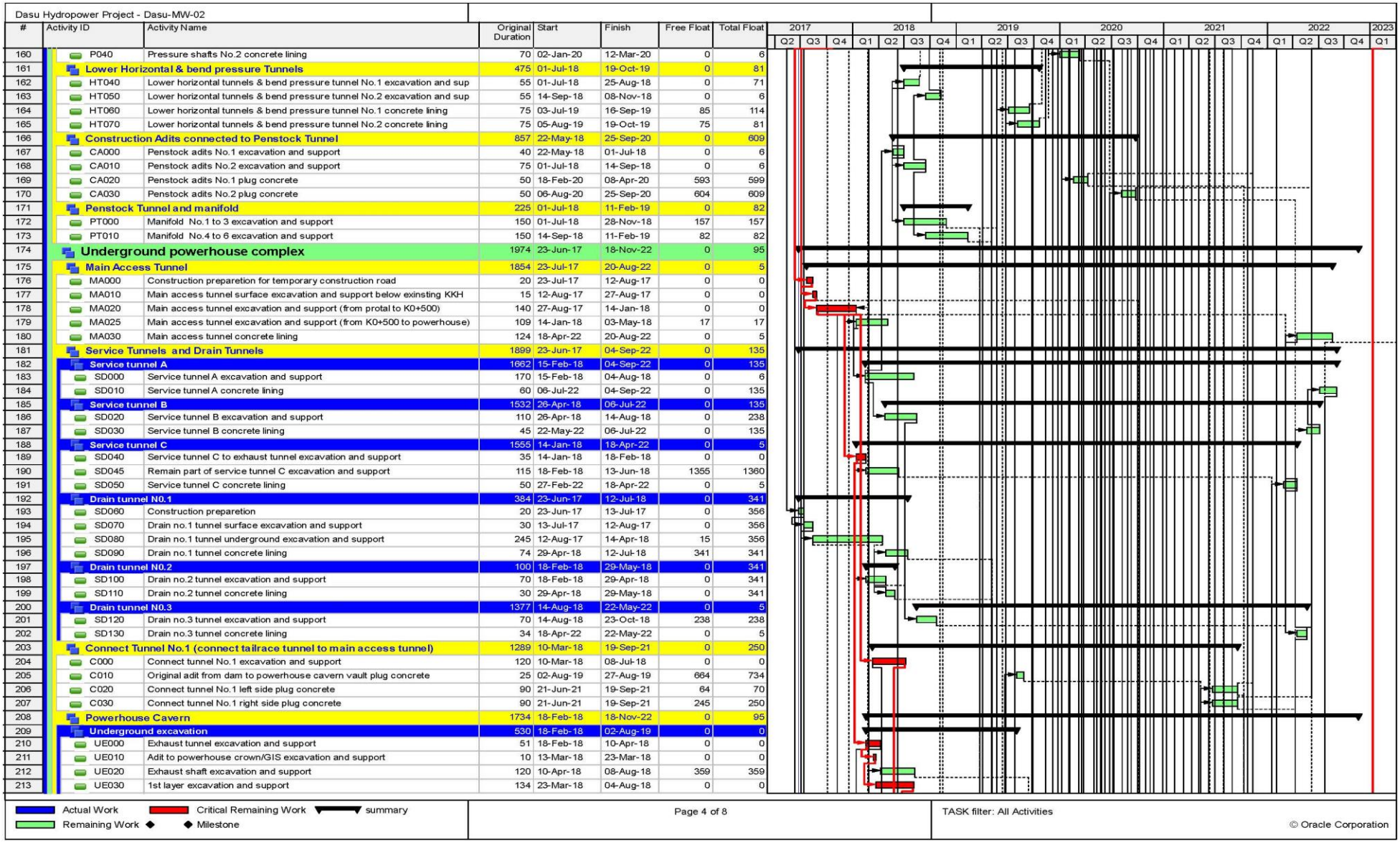
Figure 18 [3/8]



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
107	SF030	3# Contractor's Camp (D/S part of Sheikhabad Area)	365	23-Jun-17	23-Jun-18	0	10
108	SF040	4# Contractor's Camp (Shall Area)	300	23-Jun-17	19-Apr-18	0	10
109	SF050	Site Laboratory (Shall Area)	120	23-Jun-17	21-Oct-17	0	24
110	SF060	1# Aggregate Production System (Uchar Area)	120	23-Jun-17	21-Oct-17	0	24
111	SF070	2# Aggregate Production System (U/S part of Kass Area)	390	23-Jun-17	18-Jul-18	0	50
112	SF080	1# Concrete Production System (Uchar Area)	120	23-Jun-17	21-Oct-17	0	24
113	SF090	3# Concrete Production System (U/S part of Kass Area)	120	23-Jun-17	21-Oct-17	0	0
114	SF110	1# Reinforcement Bar Processing Plant (All Other Barseen Area)	90	23-Jun-17	21-Sep-17	10	34
115	SF120	2# Reinforcement Bar Processing Plant (D/S part of Sheikhabad Area)	90	23-Jun-17	21-Sep-17	10	10
116	SF130	1# Formwork Processing Plant (All Other Barseen Area)	90	23-Jun-17	21-Sep-17	10	34
117	SF140	2# Formwork Processing Plant (D/S part of Sheikhabad Area)	90	23-Jun-17	21-Sep-17	10	10
118	SF150	1# Machinery Maintenance Plant and Parking Yard (All Other Barseen Are	150	23-Jun-17	20-Nov-17	10	34
119	SF160	2# Machinery Maintenance Plant and Parking Yard (U/S part of Sheikhab	150	23-Jun-17	20-Nov-17	0	10
120	SF170	Material Storage (D/S part of Sheikhabad Area)	150	23-Jun-17	20-Nov-17	10	10
121	SF180	Fuel Station (D/S part of Sheikhabad Area)	90	23-Jun-17	21-Sep-17	10	10
122	SF190	Hydraulic Steel Structure Processing Plant (U/S part of Sheikhabad Area)	210	20-Nov-17	18-Jun-18	330	359
123	SF200	Explosive Magazine Construction	180	23-Jun-17	20-Dec-17	10	10
124	SF210	Pozzolan Production System (Gini Area)	210	23-Jun-17	19-Jan-18	80	390
125	SF230	Bailey Bridge (D/S of Tailrace Tunnel Outlet)	120	23-Jun-17	21-Oct-17	50	74
126	SF240	Power Supply System	365	23-Jun-17	23-Jun-18	30	54
127	SF250	Water Supply System	365	23-Jun-17	23-Jun-18	0	54
128	SF260	Sewerage System	365	23-Jun-17	23-Jun-18	30	54
129	SF270	Telecommunication	180	23-Jun-17	20-Dec-17	20	44
130	**Intake ,headrace tunnel,gate shaft and transition**		1423	23-Jul-17	15-Jun-21	0	6
131	**Intake Surface Structures**		1423	23-Jul-17	15-Jun-21	0	6
132	IS010	Construction road preparetion	20	23-Jul-17	12-Aug-17	0	24
133	IS020	Intake structures excavation and support above EL.960.5	170	12-Aug-17	29-Jan-18	0	24
134	IS030	Intake structures excavation and support below EL.960.5	70	29-Jan-18	09-Apr-18	0	24
135	IS040	Intake structure concrete phase 1 (for side wall)	100	09-Apr-18	18-Jul-18	913	919
136	IS050	Intake structure concrete phase 2 (for other structure)	150	16-Jan-21	15-Jun-21	0	6
137	**Water Passage and inlet transition tunnel**		973	30-Mar-18	27-Nov-20	0	6
138	WP001	Water passage and inlet transition excavation and support No.1 to 2	60	30-Mar-18	29-May-18	0	24
139	WP002	Water passage and inlet transition excavation and support No.3 to 5	100	29-May-18	06-Sep-18	0	39
140	WP003	Water passage and inlet transition concrete lining No.3 to 5	180	28-Feb-20	26-Aug-20	10	39
141	WP004	Water passage and inlet transition concrete lining No.1	60	05-Sep-20	04-Nov-20	0	29
142	WP005	Water passage and inlet transition concrete lining No.2	60	28-Sep-20	27-Nov-20	0	6
143	**Gate Shafts**		953	06-Sep-18	16-Apr-21	0	6
144	GS001	Gate shafts excavation and support (No.3 to 5)	240	06-Sep-18	04-May-19	0	39
145	GS002	Gate shafts concrete lining (No.3 to 5)	300	04-May-19	28-Feb-20	0	39
146	GS003	Gate shafts excavation and support No.1	160	03-Jul-19	10-Dec-19	0	29
147	GS004	Gate shafts excavation and support No.2	150	05-Aug-19	02-Jan-20	0	6
148	GS005	Gate shaft concrete lining No.1	140	04-Nov-20	24-Mar-21	23	29
149	GS006	Gate shaft concrete lining No.2	140	27-Nov-20	16-Apr-21	0	6
150	**Power tunnels and penstocks**		860	22-May-18	28-Sep-20	0	606
151	**Upper Horizontal & bend pressure Tunnels**		853	29-May-18	28-Sep-20	0	6
152	HT000	Upper horizontal tunnels & bend pressure tunnel No.1 excavation and su	130	29-May-18	06-Oct-18	0	24
153	HT010	Upper horizontal tunnels & bend pressure tunnel No.2 excavation and sup	130	13-Jun-18	21-Oct-18	18	24
154	HT020	Upper horizontal & bend pressure tunnel No.1 concrete lining	200	18-Feb-20	05-Sep-20	0	29
155	HT030	Upper horizontal & bend pressure tunnels No.2 concrete lining	200	12-Mar-20	28-Sep-20	0	6
156	**Pressure Shaft**		523	06-Oct-18	12-Mar-20	0	6
157	P010	Pressure shafts No.1 excavation and support	220	06-Oct-18	14-May-19	0	29
158	P020	Pressure shafts No.2 excavation and support	220	08-Nov-18	16-Jun-19	0	6
159	P030	Pressure shafts No.1 concrete lining	70	10-Dec-19	18-Feb-20	0	29

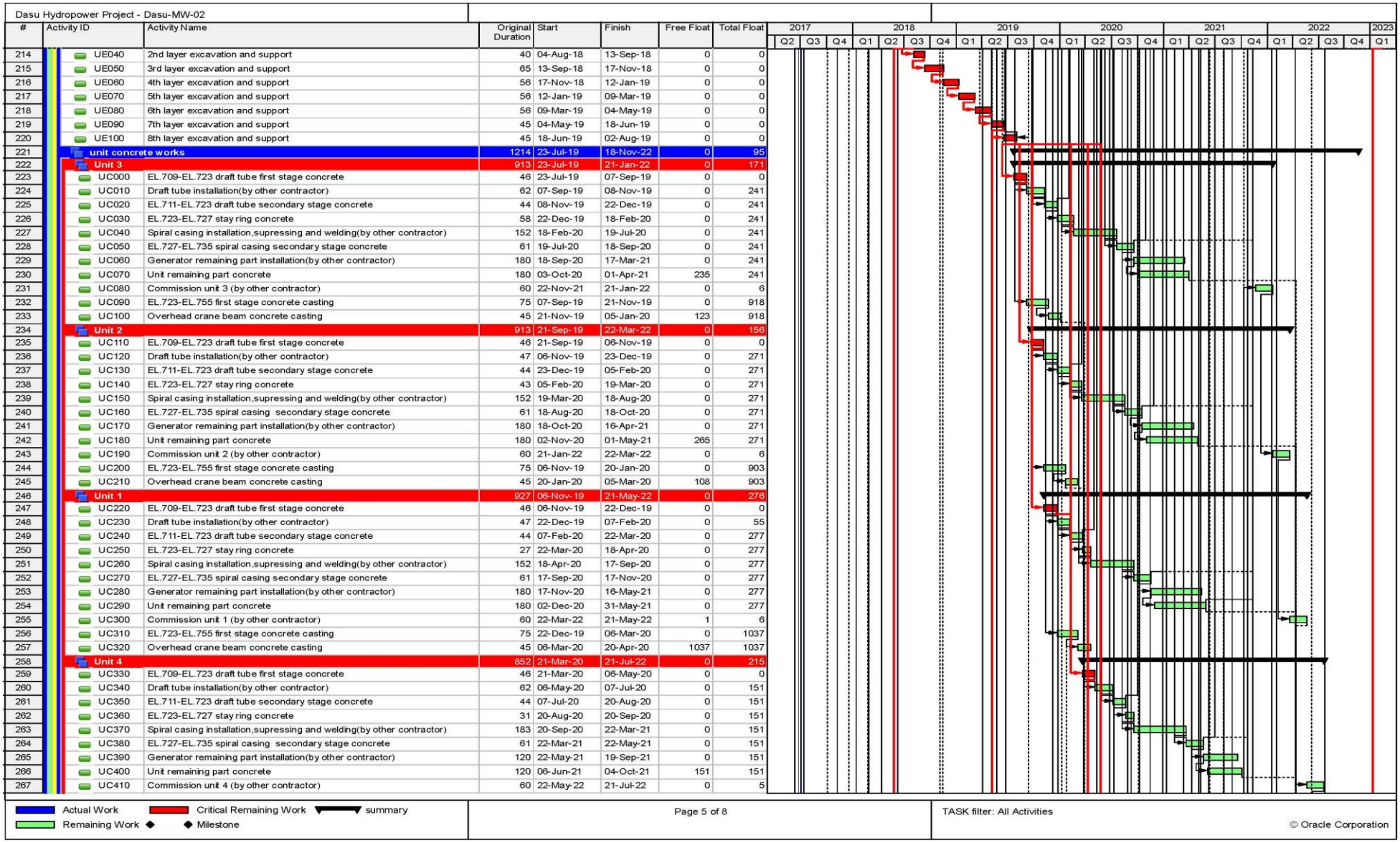
Gantt Chart of Dasu-MW-02 (3 of 8)

Figure 18 [4/8]



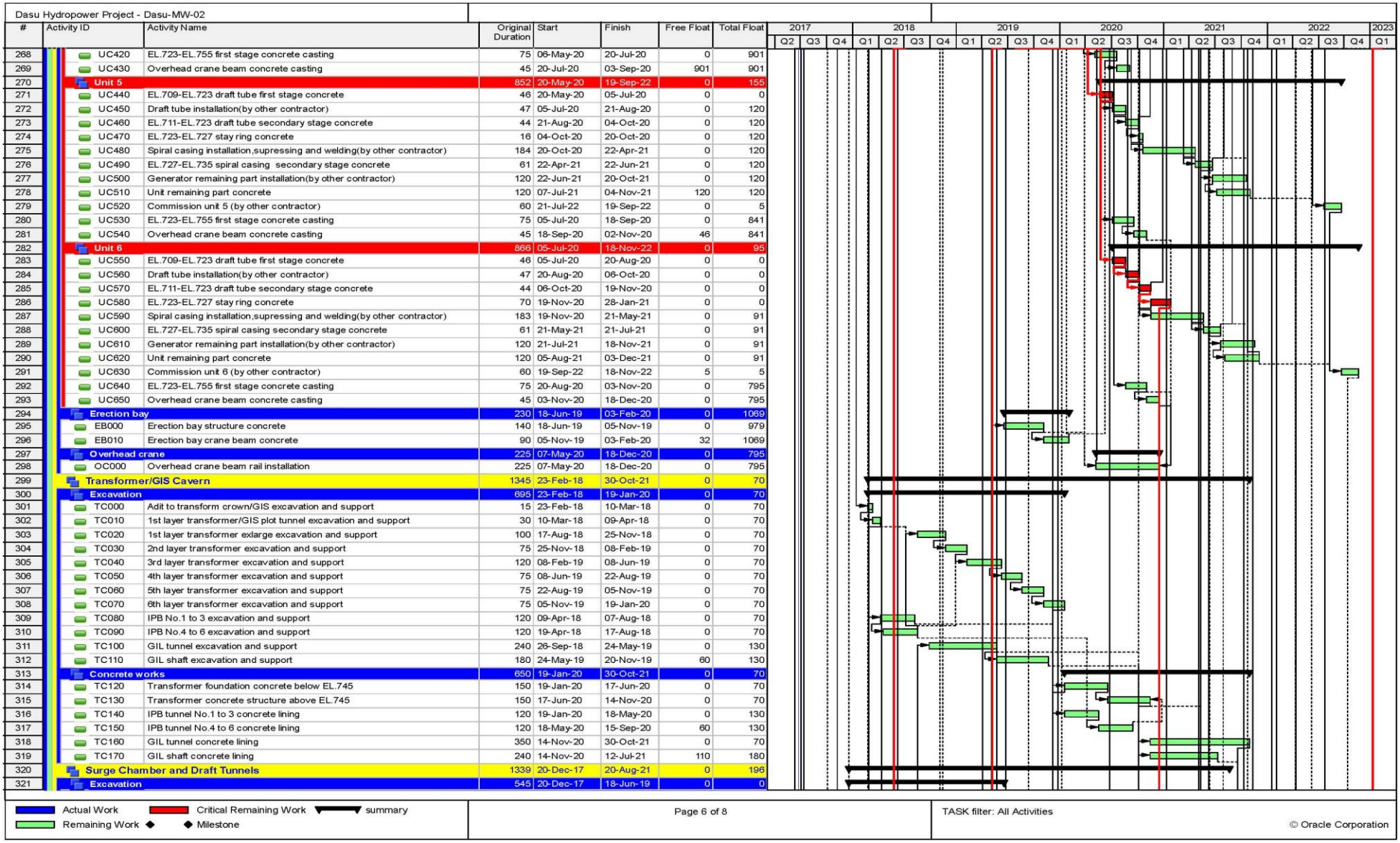
Gantt Chart of Dasu-MW-02 (4 of 8)

Figure 18 [5/8]



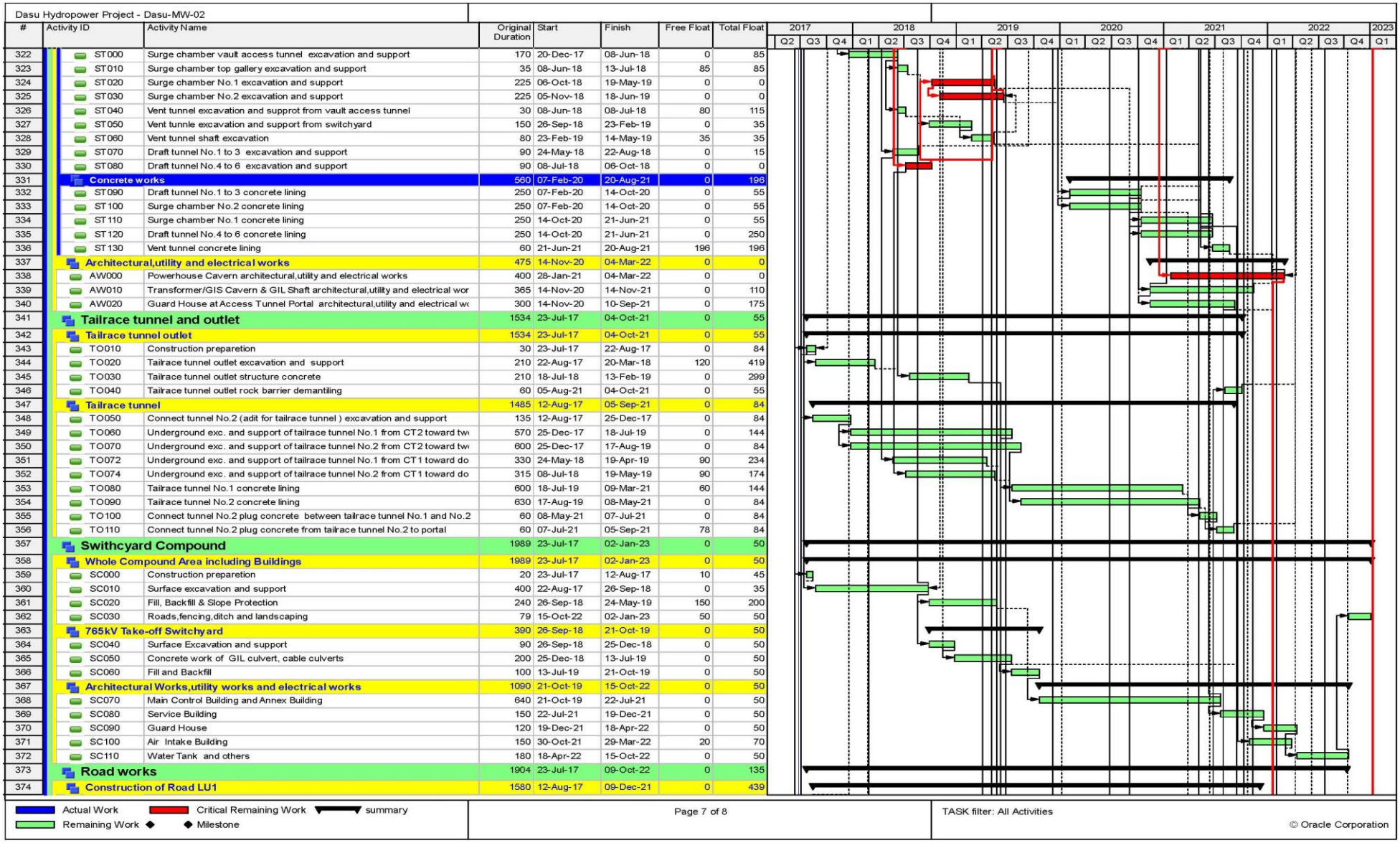
Gantt Chart of Dasu-MW-02 (5 of 8)

Figure 18 [6/8]



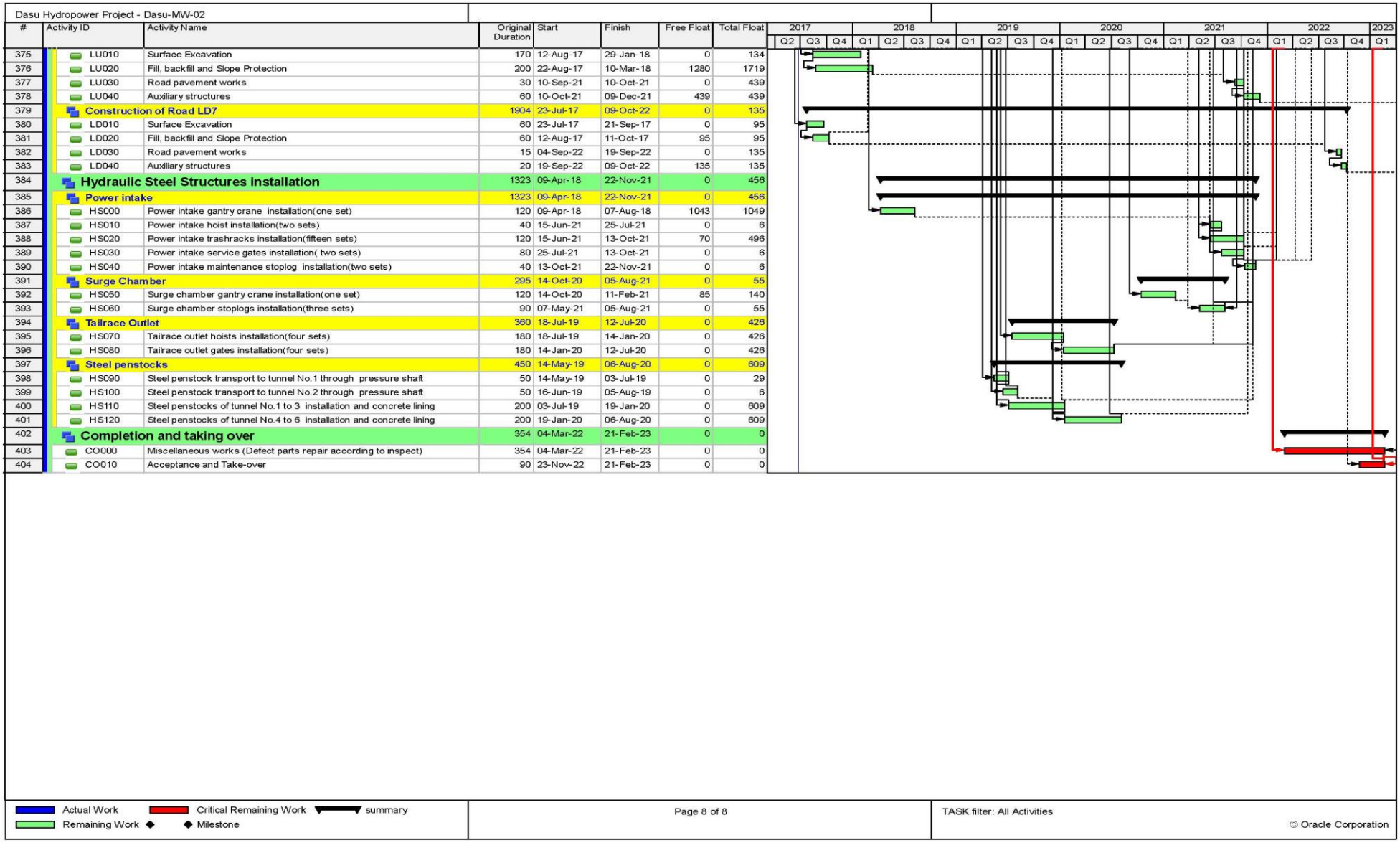
Gantt Chart of Dasu-MW-02 (6 of 8)

Figure 18 [7/8]



Gantt Chart of Dasu-MW-02 (7 of 8)

Figure 18 [8/8]



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
375	LU010	Surface Excavation	170	12-Aug-17	29-Jan-18	0	134
376	LU020	Fill, backfill and Slope Protection	200	22-Aug-17	10-Mar-18	1280	1719
377	LU030	Road pavement works	30	10-Sep-21	10-Oct-21	0	439
378	LU040	Auxiliary structures	60	10-Oct-21	09-Dec-21	439	439
379	**Construction of Road LD7**		1904	23-Jul-17	09-Oct-22	0	135
380	LD010	Surface Excavation	60	23-Jul-17	21-Sep-17	0	95
381	LD020	Fill, backfill and Slope Protection	60	12-Aug-17	11-Oct-17	95	95
382	LD030	Road pavement works	15	04-Sep-22	19-Sep-22	0	135
383	LD040	Auxiliary structures	20	19-Sep-22	09-Oct-22	135	135
384	**Hydraulic Steel Structures installation**		1323	09-Apr-18	22-Nov-21	0	456
385	**Power intake**		1323	09-Apr-18	22-Nov-21	0	456
386	HS000	Power intake gantry crane installation(one set)	120	09-Apr-18	07-Aug-18	1043	1049
387	HS010	Power intake hoist installation(two sets)	40	15-Jun-21	25-Jul-21	0	6
388	HS020	Power intake trashracks installation(fifteen sets)	120	15-Jun-21	13-Oct-21	70	496
389	HS030	Power intake service gates installation(two sets)	80	25-Jul-21	13-Oct-21	0	6
390	HS040	Power intake maintenance stoplog installation(two sets)	40	13-Oct-21	22-Nov-21	0	6
391	**Surge Chamber**		295	14-Oct-20	05-Aug-21	0	55
392	HS050	Surge chamber gantry crane installation(one set)	120	14-Oct-20	11-Feb-21	85	140
393	HS060	Surge chamber stoplogs installation(three sets)	90	07-May-21	05-Aug-21	0	55
394	**Tailrace Outlet**		360	18-Jul-19	12-Jul-20	0	426
395	HS070	Tailrace outlet hoists installation(four sets)	180	18-Jul-19	14-Jan-20	0	426
396	HS080	Tailrace outlet gates installation(four sets)	180	14-Jan-20	12-Jul-20	0	426
397	**Steel penstocks**		450	14-May-19	06-Aug-20	0	609
398	HS090	Steel penstock transport to tunnel No.1 through pressure shaft	50	14-May-19	03-Jul-19	0	29
399	HS100	Steel penstock transport to tunnel No.2 through pressure shaft	50	16-Jun-19	05-Aug-19	0	6
400	HS110	Steel penstocks of tunnel No.1 to 3 installation and concrete lining	200	03-Jul-19	19-Jan-20	0	609
401	HS120	Steel penstocks of tunnel No.4 to 6 installation and concrete lining	200	19-Jan-20	06-Aug-20	0	609
402	**Completion and taking over**		354	04-Mar-22	21-Feb-23	0	0
403	CO000	Miscellaneous works (Defect parts repair according to inspect)	354	04-Mar-22	21-Feb-23	0	0
404	CO010	Acceptance and Take-over	90	23-Nov-22	21-Feb-23	0	0

Gantt Chart of Dasu-MW-02 (8 of 8)

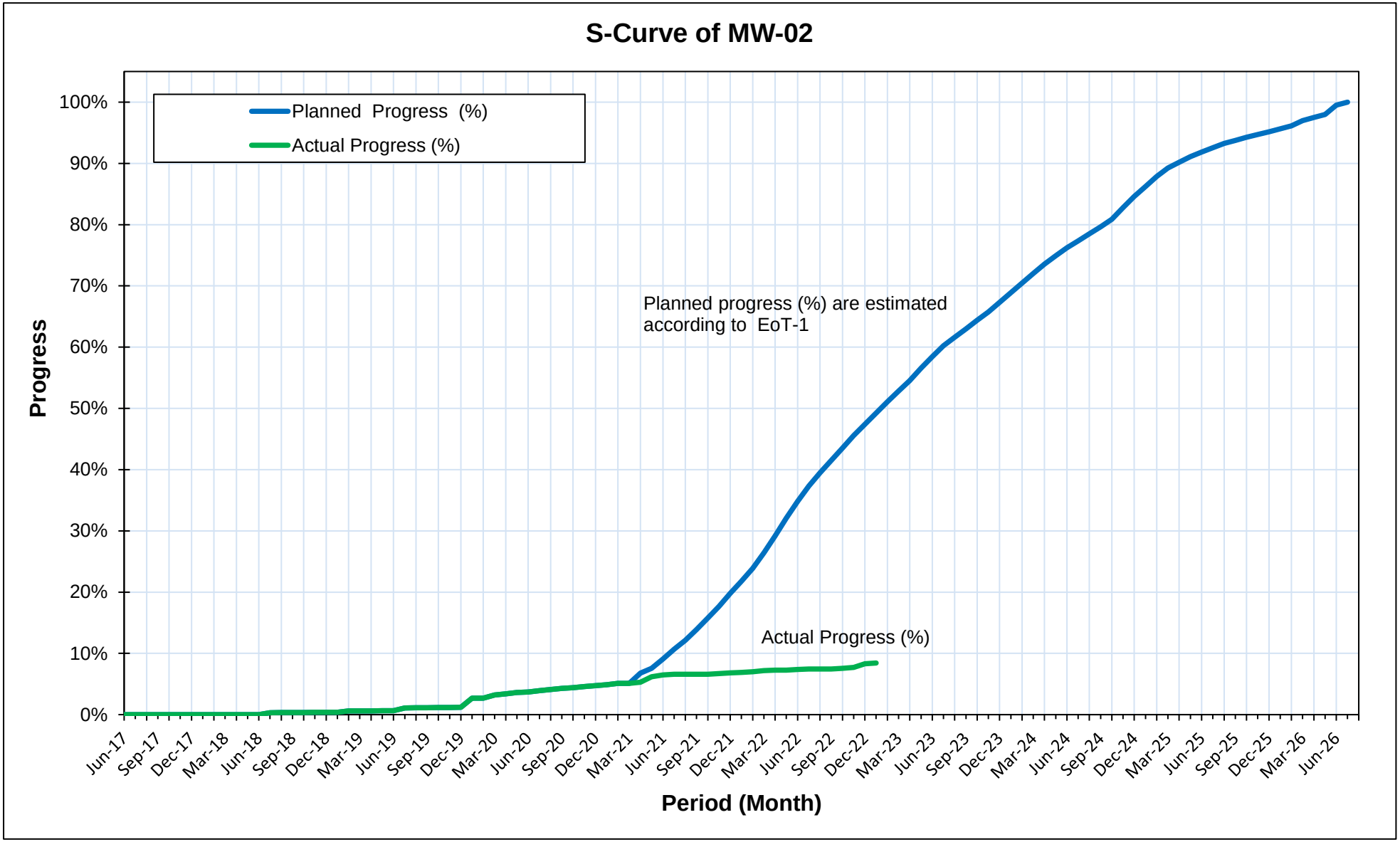


Figure 19: S-Curve for MW-02

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
1	DASU LBRV-11- EOT-01		710	26-Dec-2018 A	04-Dec-2020	0	0
2	PS&F100	Project Start	0	26-Dec-2018 A			
3	PS&F110	Project Finish	0		04-Dec-2020	0	0
4	Project Milestones		685	26-Dec-2018 A	09-Nov-2020	0	0
5	Contractual Milestones		0	26-Dec-2018 A	26-Dec-2018 A	0	
6	PM110	Notice to Commence	0	26-Dec-2018 A			
7	Pre Construction Milestones		362	29-Dec-2018 A	26-Dec-2019	0	122
8	PM120	Possession of Site Uchar-1	0	29-Dec-2018 A			
9	PM130	Possession of Site Uchar-2	0	26-Dec-2019		0	91
10	PM150	Possession of Site Khoshe-1	0	15-Feb-2019 A			
11	PM160	Possession of Site Khoshe-2	0	10-Jan-2019 A			
12	PM170	Possession of Site Logro-1	0	26-Dec-2019		0	0
13	PM180	Possession of Site Logro-2	0	26-Dec-2019		0	30
14	PM190	Possession of Site Logro-3	0	26-Dec-2019		0	51
15	Project Control Milestones		122	10-Jul-2020	09-Nov-2020	0	0
16	PM200	Khoshe Site-1 finish	0		13-Sep-2020	57	57
17	PM210	Khoshe Site-2 finish	0		23-Jul-2020	109	109
18	PM220	Logro Site-1 finish	0		09-Nov-2020	0	0
19	PM230	Logro Site-2 finish	0		10-Oct-2020	30	30
20	PM240	Logro Site-3 finish	0		19-Sep-2020	51	51
21	PM250	Uchar Site-1 finish	0		10-Jul-2020	122	122
22	PM260	Uchar Site-2 finish	0		10-Aug-2020	91	91
23	General Mobilization		28	26-Dec-2018 A	22-Jan-2019 A	0	
24	GM300	Key Staff Mobilization & Arrangement of Residence	21	26-Dec-2018 A	15-Jan-2019 A		
25	GM310	Arrangement of Site Offices	19	26-Dec-2018 A	13-Jan-2019 A		
26	GM320	Labour Residence	19	26-Dec-2018 A	13-Jan-2019 A		
27	GM330	Man power Mobilization	21	26-Dec-2018 A	15-Jan-2019 A		
28	GM340	Workshop & Machinery Yard	17	26-Dec-2018 A	11-Jan-2019 A		
29	GM350	Facilities for Police & Security Forces	28	26-Dec-2018 A	22-Jan-2019 A		
30	GM360	Provision of Laboraritary & Geotechnical Investigation	21	26-Dec-2018 A	15-Jan-2019 A		
31	GM370	Provision of explosive magazine building	18	26-Dec-2018 A	12-Jan-2019 A		
32	Engineer facilities		330	26-Dec-2018 A	20-Nov-2019 A	0	
33	EF400	Arrangement of office Accommodation	21	26-Dec-2018 A	15-Jan-2019 A		
34	EF410	Maintaining Engineer office	330	26-Dec-2018 A	20-Nov-2019 A		
35	Methodology and Management		40	30-Dec-2018 A	07-Feb-2019 A	0	
36	M&M500	Methodology for Excavation works	28	30-Dec-2018 A	26-Jan-2019 A		
37	M&M510	Methodology for Concrete works	28	31-Dec-2018 A	27-Jan-2019 A		
38	M&M520	Methodology for Backfilling	28	01-Jan-2019 A	28-Jan-2019 A		
39	M&M530	QA/QC Manual	28	06-Jan-2019 A	02-Feb-2019 A		
40	M&M540	Contractor's Environmental Management Action Plan (CEMAP)	28	11-Jan-2019 A	07-Feb-2019 A		
41	Issued For Construction Drawings		357	03-Jan-2019 A	26-Dec-2019	0	122
42	IFCD600	IFC Drawings Khoshe -1	0	15-Feb-2019 A			
43	IFCD610	IFC Drawings Khoshe-2	0	10-Jan-2019 A			
44	IFCD620	IFC Drawings Logro-1	0	26-Dec-2019		0	0
45	IFCD630	IFC Drawings Logro-2	0	26-Dec-2019		0	30
46	IFCD640	IFC Drawings Logro-3	0	26-Dec-2019		0	51
47	IFCD650	IFC Drawings Uchar-1	0	03-Jan-2019 A			
48	IFCD660	IFC Drawings Uchar-2	0	26-Dec-2019		0	91
49	Resettelment Villages (KHOSHE, LOGRO & UCHA		710	26-Dec-2018 A	04-Dec-2020	0	0

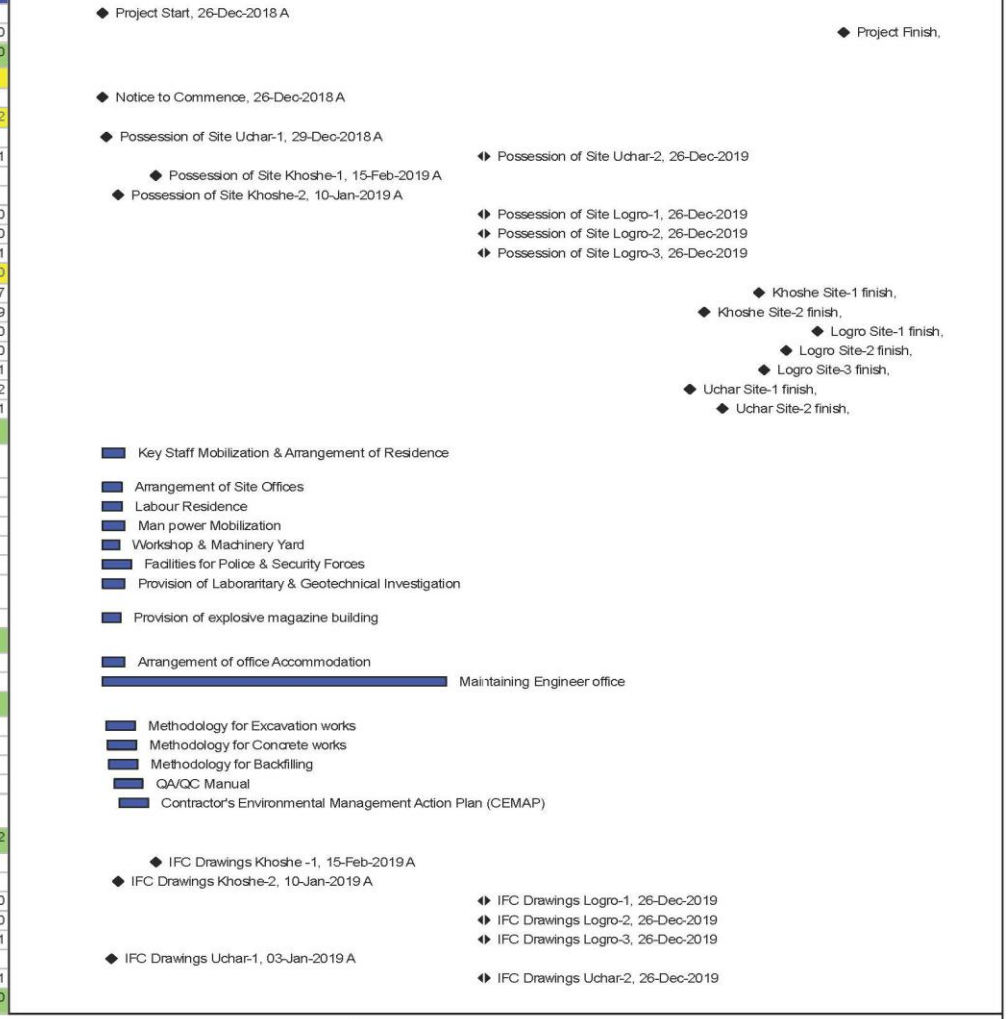


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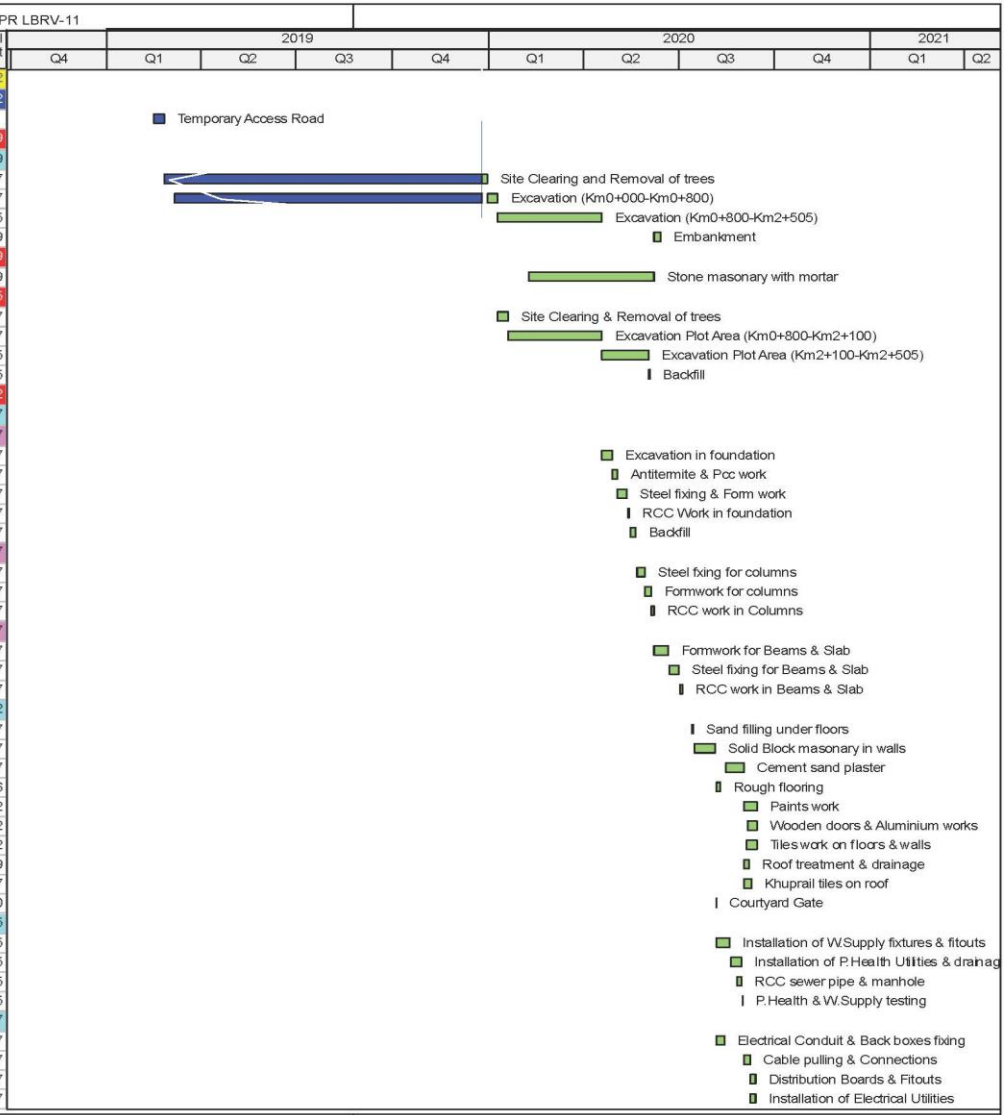
Figure 20: Gantt Chart of Dasu-LBRV-11 (1 of 14)

Figure 20 [2/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
50	KHOSHE		613	10-Jan-2019 A	13-Sep-2020	0	82
51	KHOSHE-01		577	15-Feb-2019 A	13-Sep-2020	0	82
52	A1000	Temporary Access Road	10	15-Feb-2019 A	24-Feb-2019 A		
53	Permanent Access Road		475	25-Feb-2019 A	13-Jun-2020	0	129
54	Earth and Allied Works		475	25-Feb-2019 A	13-Jun-2020	0	129
55	KH.1.PAR.100	Site Clearing and Removal of trees	10	25-Feb-2019 A	30-Dec-2019	0	57
56	KH.1.PAR.110	Excavation (Km0+000-Km0+800)	60	07-Mar-2019 A	09-Jan-2020	0	57
57	KH.1.PAR.120	Excavation (Km0+800-Km2+505)	100	10-Jan-2020	18-Apr-2020	0	95
58	KH.1.PAR.130	Embankment	6	08-Jun-2020	13-Jun-2020	0	129
59	Stone masonary Retaining wall/Breast wall		120	09-Feb-2020	07-Jun-2020	0	129
60	KH.1.RW/BW100	Stone masonary with mortar	120	09-Feb-2020	07-Jun-2020	0	129
61	Land Development		146	10-Jan-2020	03-Jun-2020	0	95
62	KH.1.LD100	Site Clearing & Removal of trees	10	10-Jan-2020	19-Jan-2020	0	57
63	KH.1.LD110	Excavation Plot Area (Km0+800-Km2+100)	90	20-Jan-2020	18-Apr-2020	0	57
64	KH.1.LD120	Excavation Plot Area (Km2+100-Km2+505)	45	19-Apr-2020	02-Jun-2020	0	95
65	KH.1.LD130	Backfill	1	03-Jun-2020	03-Jun-2020	0	95
66	Construction of Mosque		148	19-Apr-2020	13-Sep-2020	0	82
67	Structural work		77	19-Apr-2020	04-Jul-2020	0	57
68	Foundation		33	19-Apr-2020	21-May-2020	0	57
69	KH.1.M.STR100	Excavation in foundation	10	19-Apr-2020	28-Apr-2020	0	57
70	KH.1.M.STR110	Antitermite & Pcc work	5	29-Apr-2020	03-May-2020	0	57
71	KH.1.M.STR120	Steel fixing & Form work	9	04-May-2020	12-May-2020	0	57
72	KH.1.M.STR130	RCC Work in foundation	3	13-May-2020	15-May-2020	0	57
73	KH.1.M.STR140	Backfill	6	16-May-2020	21-May-2020	0	57
74	GF Vertical Elements		17	22-May-2020	07-Jun-2020	0	57
75	KH.1.M.STR180	Steel fixing for columns	8	22-May-2020	29-May-2020	0	57
76	KH.1.M.STR190	Formwork for columns	6	30-May-2020	04-Jun-2020	0	57
77	KH.1.M.STR200	RCC work in Columns	3	05-Jun-2020	07-Jun-2020	0	57
78	GF Horizental Elements		27	08-Jun-2020	04-Jul-2020	0	57
79	KH.1.M.STR150	Formwork for Beams & Slab	14	08-Jun-2020	21-Jun-2020	0	57
80	KH.1.M.STR160	Steel fixing for Beams & Slab	10	22-Jun-2020	01-Jul-2020	0	57
81	KH.1.M.STR170	RCC work in Beams & Slab	3	02-Jul-2020	04-Jul-2020	0	57
82	Architectural/Finishes work		63	13-Jul-2020	13-Sep-2020	0	82
83	KH.1.M.A/F100	Sand filling under floors	3	13-Jul-2020	15-Jul-2020	0	57
84	KH.1.M.A/F110	Solid Block masonary in walls	21	16-Jul-2020	05-Aug-2020	0	57
85	KH.1.M.A/F120	Cement sand plaster	18	15-Aug-2020	01-Sep-2020	0	57
86	KH.1.M.A/F130	Rough flooring	5	06-Aug-2020	10-Aug-2020	116	116
87	KH.1.M.A/F140	Paints work	12	02-Sep-2020	13-Sep-2020	0	82
88	KH.1.M.A/F150	Wooden doors & Aluminium works	9	05-Sep-2020	13-Sep-2020	82	82
89	KH.1.M.A/F160	Tiles work on floors & walls	10	04-Sep-2020	13-Sep-2020	82	82
90	KH.1.M.A/F170	Roof treatment & drainage	5	02-Sep-2020	06-Sep-2020	89	89
91	KH.1.M.A/F180	Khuprail tiles on roof	7	02-Sep-2020	08-Sep-2020	87	87
92	KH.1.M.A/F190	Courtyard Gate	1	06-Aug-2020	06-Aug-2020	120	120
93	Public Health work		26	06-Aug-2020	31-Aug-2020	0	95
94	KH.1.M.PH100	Installation of W.Supply fixtures & fitouts	14	06-Aug-2020	19-Aug-2020	0	95
95	KH.1.M.PH110	Installation of P.Health Utilities & drainage	11	20-Aug-2020	30-Aug-2020	0	95
96	KH.1.M.PH120	RCC sewer pipe & manhole	5	26-Aug-2020	30-Aug-2020	0	95
97	KH.1.M.PH130	P.Health & W.Supply testing	1	31-Aug-2020	31-Aug-2020	95	95
98	Internal Electrification		39	06-Aug-2020	13-Sep-2020	0	57
99	KH.1.M.EL100	Electrical Conduit & Back boxes fixing	9	06-Aug-2020	14-Aug-2020	0	57
100	KH.1.M.EL110	Cable pulling & Connections	6	02-Sep-2020	07-Sep-2020	0	57
101	KH.1.M.EL120	Distribution Boards & Fitouts	5	08-Sep-2020	12-Sep-2020	0	57
102	KH.1.M.EL130	Installation of Electrical Utilities	5	08-Sep-2020	12-Sep-2020	0	57



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TASK filter: All Activities

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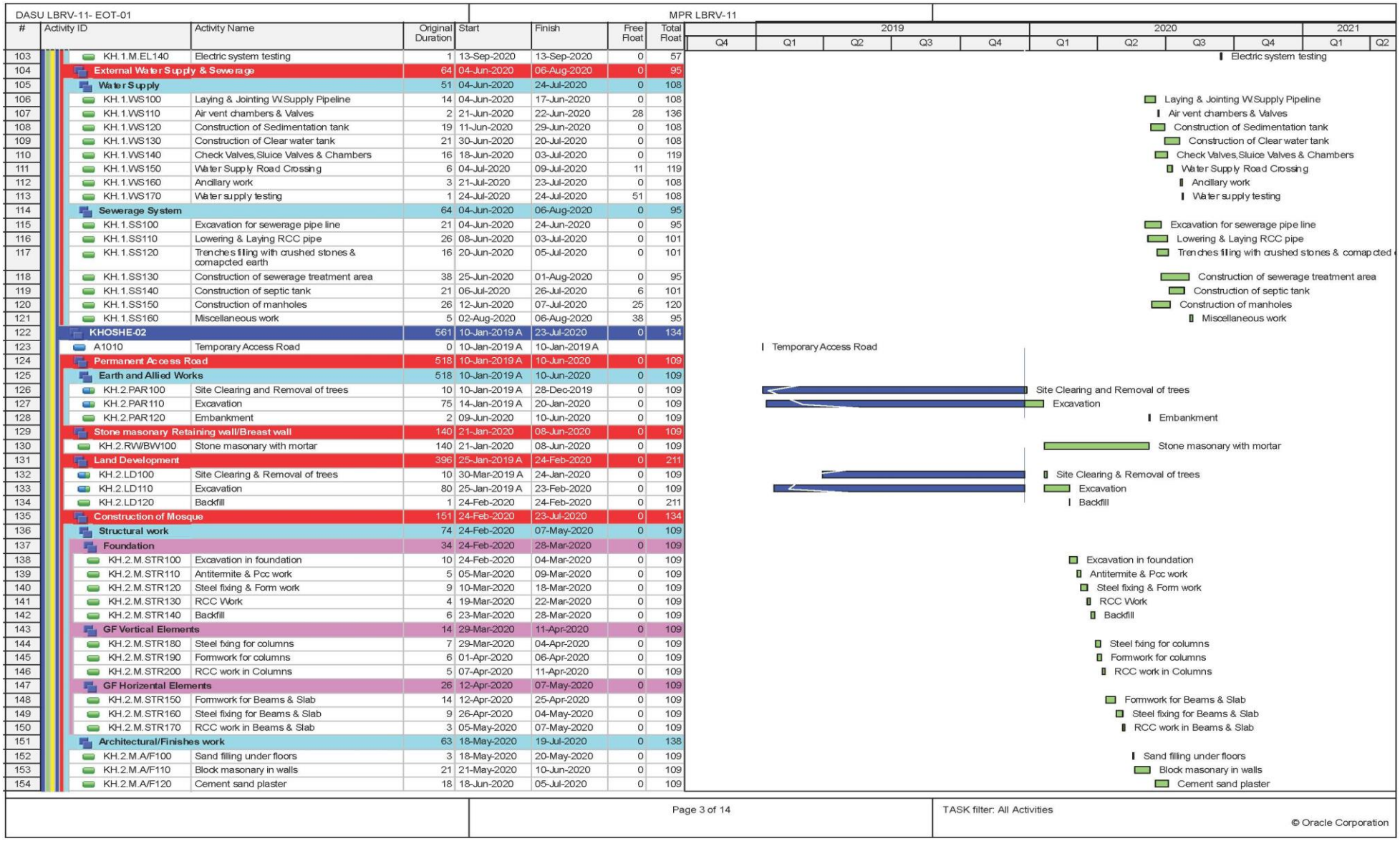
Gantt Chart of Dasu-LBRV-11 (2 of 14)

Figure 20 [3/14]



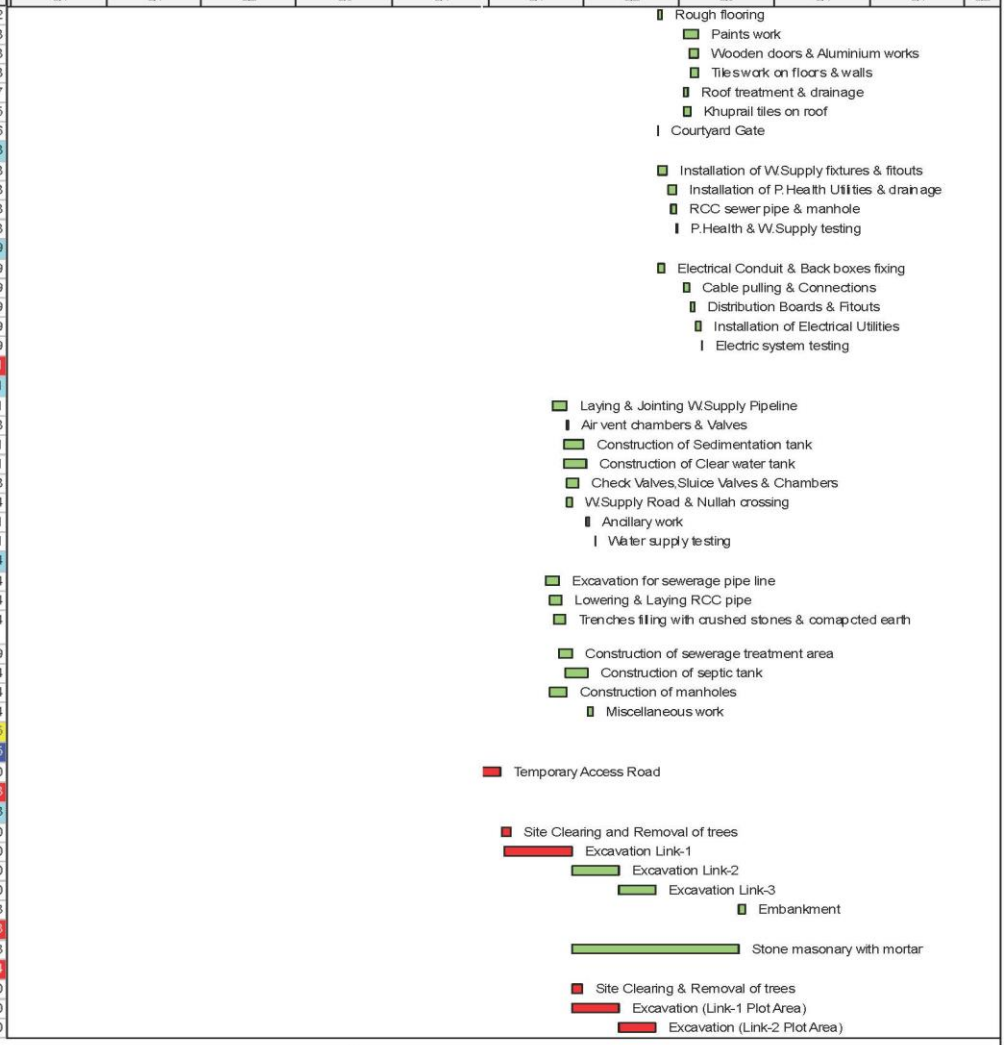
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
103	KH.1.M.EL140	Electric system testing	1	13-Sep-2020	13-Sep-2020	0	57
104	External Water Supply & Sewerage		64	04-Jun-2020	06-Aug-2020	0	95
105	Water Supply		51	04-Jun-2020	24-Jul-2020	0	108
106	KH.1.WS100	Laying & Jointing W.Supply Pipeline	14	04-Jun-2020	17-Jun-2020	0	108
107	KH.1.WS110	Air vent chambers & Valves	2	21-Jun-2020	22-Jun-2020	28	136
108	KH.1.WS120	Construction of Sedimentation tank	19	11-Jun-2020	29-Jun-2020	0	108
109	KH.1.WS130	Construction of Clear water tank	21	30-Jun-2020	20-Jul-2020	0	108
110	KH.1.WS140	Check Valves,Sluice Valves & Chambers	16	18-Jun-2020	03-Jul-2020	0	119
111	KH.1.WS150	Water Supply Road Crossing	6	04-Jul-2020	09-Jul-2020	11	119
112	KH.1.WS160	Ancillary work	3	21-Jul-2020	23-Jul-2020	0	108
113	KH.1.WS170	Water supply testing	1	24-Jul-2020	24-Jul-2020	51	108
114	Sewerage System		64	04-Jun-2020	06-Aug-2020	0	95
115	KH.1.SS100	Excavation for sewerage pipe line	21	04-Jun-2020	24-Jun-2020	0	95
116	KH.1.SS110	Lowering & Laying RCC pipe	26	08-Jun-2020	03-Jul-2020	0	101
117	KH.1.SS120	Trenches filling with crushed stones & comapcted earth	16	20-Jun-2020	05-Jul-2020	0	101
118	KH.1.SS130	Construction of sewerage treatment area	38	25-Jun-2020	01-Aug-2020	0	95
119	KH.1.SS140	Construction of septic tank	21	06-Jul-2020	26-Jul-2020	6	101
120	KH.1.SS150	Construction of manholes	26	12-Jun-2020	07-Jul-2020	25	120
121	KH.1.SS160	Miscellaneous work	5	02-Aug-2020	06-Aug-2020	38	95
122	KHOSHE-02		561	10-Jan-2019 A	23-Jul-2020	0	134
123	A1010	Temporary Access Road	0	10-Jan-2019 A	10-Jan-2019 A		
124	Permanent Access Road		518	10-Jan-2019 A	10-Jun-2020	0	109
125	Earth and Allied Works		518	10-Jan-2019 A	10-Jun-2020	0	109
126	KH.2.PAR100	Site Clearing and Removal of trees	10	10-Jan-2019 A	28-Dec-2019	0	109
127	KH.2.PAR110	Excavation	75	14-Jan-2019 A	20-Jan-2020	0	109
128	KH.2.PAR120	Embankment	2	09-Jun-2020	10-Jun-2020	0	109
129	Stone masonary Retaining wall/Breast wall		140	21-Jan-2020	08-Jun-2020	0	109
130	KH.2.RW/BW100	Stone masonary with mortar	140	21-Jan-2020	08-Jun-2020	0	109
131	Land Development		396	25-Jan-2019 A	24-Feb-2020	0	211
132	KH.2.LD100	Site Clearing & Removal of trees	10	30-Mar-2019 A	24-Jan-2020	0	109
133	KH.2.LD110	Excavation	80	25-Jan-2019 A	23-Feb-2020	0	109
134	KH.2.LD120	Backfill	1	24-Feb-2020	24-Feb-2020	0	211
135	Construction of Mosque		151	24-Feb-2020	23-Jul-2020	0	134
136	Structural work		74	24-Feb-2020	07-May-2020	0	109
137	Foundation		34	24-Feb-2020	28-Mar-2020	0	109
138	KH.2.M.STR100	Excavation in foundation	10	24-Feb-2020	04-Mar-2020	0	109
139	KH.2.M.STR110	Antitermite & Pcc work	5	05-Mar-2020	09-Mar-2020	0	109
140	KH.2.M.STR120	Steel fixing & Form work	9	10-Mar-2020	18-Mar-2020	0	109
141	KH.2.M.STR130	RCC Work	4	19-Mar-2020	22-Mar-2020	0	109
142	KH.2.M.STR140	Backfill	6	23-Mar-2020	28-Mar-2020	0	109
143	GF Vertical Elements		14	29-Mar-2020	11-Apr-2020	0	109
144	KH.2.M.STR180	Steel fixing for columns	7	29-Mar-2020	04-Apr-2020	0	109
145	KH.2.M.STR190	Formwork for columns	6	01-Apr-2020	06-Apr-2020	0	109
146	KH.2.M.STR200	RCC work in Columns	5	07-Apr-2020	11-Apr-2020	0	109
147	GF Horizental Elements		26	12-Apr-2020	07-May-2020	0	109
148	KH.2.M.STR150	Formwork for Beams & Slab	14	12-Apr-2020	25-Apr-2020	0	109
149	KH.2.M.STR160	Steel fixing for Beams & Slab	9	26-Apr-2020	04-May-2020	0	109
150	KH.2.M.STR170	RCC work in Beams & Slab	3	05-May-2020	07-May-2020	0	109
151	Architectural/Finishes work		63	18-May-2020	19-Jul-2020	0	138
152	KH.2.M.A/F100	Sand filling under floors	3	18-May-2020	20-May-2020	0	109
153	KH.2.M.A/F110	Block masonary in walls	21	21-May-2020	10-Jun-2020	0	109
154	KH.2.M.A/F120	Cement sand plaster	18	18-Jun-2020	05-Jul-2020	0	109

Gantt Chart of Dasu-LBRV-11 (3 of 14)

Figure 20 [4/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
155	KH.2.M.A/F130	Rough flooring	5	11-Jun-2020	15-Jun-2020	172	172
156	KH.2.M.A/F140	Paints work	14	06-Jul-2020	19-Jul-2020	0	138
157	KH.2.M.A/F150	Wooden doors & Aluminium works	9	11-Jul-2020	19-Jul-2020	0	138
158	KH.2.M.A/F160	Tiles work on floors & walls	8	12-Jul-2020	19-Jul-2020	138	138
159	KH.2.M.A/F170	Roof treatment & drainage	5	06-Jul-2020	10-Jul-2020	147	147
160	KH.2.M.A/F180	Khuprail tiles on roof	7	06-Jul-2020	12-Jul-2020	145	145
161	KH.2.M.A/F190	Courtyard Gate	1	11-Jun-2020	11-Jun-2020	176	176
162	**Public Health work**		19	11-Jun-2020	29-Jun-2020	0	158
163	KH.2.M.PH100	Installation of W.Supply fixtures & fitouts	10	11-Jun-2020	20-Jun-2020	0	158
164	KH.2.M.PH110	Installation of P.Health Utilities & drainage	8	21-Jun-2020	28-Jun-2020	0	158
165	KH.2.M.PH120	RCC sewer pipe & manhole	5	24-Jun-2020	28-Jun-2020	0	158
166	KH.2.M.PH130	P.Health & W.Supply testing	1	29-Jun-2020	29-Jun-2020	158	158
167	**Internal Electrification**		43	11-Jun-2020	23-Jul-2020	0	109
168	KH.2.M.EL100	Electrical Conduit & Back boxes fixing	7	11-Jun-2020	17-Jun-2020	0	109
169	KH.2.M.EL110	Cable pulling & Connections	6	06-Jul-2020	11-Jul-2020	0	109
170	KH.2.M.EL120	Distribution Boards & Fitouts	5	12-Jul-2020	16-Jul-2020	0	109
171	KH.2.M.EL130	Installation of Electrical Utilities	6	17-Jul-2020	22-Jul-2020	0	109
172	KH.2.M.EL140	Electric system testing	1	23-Jul-2020	23-Jul-2020	0	109
173	**External Water Supply & Sewerage**		48	25-Feb-2020	12-Apr-2020	0	211
174	**Water Supply**		42	02-Mar-2020	12-Apr-2020	0	211
175	KH.2.WS100	Laying & Jointing W.Supply Pipeline	14	02-Mar-2020	15-Mar-2020	0	211
176	KH.2.WS110	Air vent chambers & Valves	2	16-Mar-2020	17-Mar-2020	17	228
177	KH.2.WS120	Construction of Sedimentation tank	19	14-Mar-2020	01-Apr-2020	0	211
178	KH.2.WS130	Construction of Clear water tank	21	14-Mar-2020	03-Apr-2020	0	211
179	KH.2.WS150	Check Valves,Sluice Valves & Chambers	12	16-Mar-2020	27-Mar-2020	7	218
180	KH.2.WS160	W.Supply Road & Nullah crossing	6	16-Mar-2020	21-Mar-2020	13	224
181	KH.2.WS170	Ancillary work	3	04-Apr-2020	06-Apr-2020	0	211
182	KH.2.WS180	Water supply testing	1	12-Apr-2020	12-Apr-2020	102	211
183	**Sewerage System**		45	25-Feb-2020	09-Apr-2020	0	214
184	KH.2.SS100	Excavation for sewerage pipe line	13	25-Feb-2020	08-Mar-2020	0	214
185	KH.2.SS110	Lowering & Laying RCC pipe	12	29-Feb-2020	11-Mar-2020	0	214
186	KH.2.SS120	Trenches filling with crushed stones & comapcted earth	12	03-Mar-2020	14-Mar-2020	0	214
187	KH.2.SS130	Construction of sewerage treatment area	12	09-Mar-2020	20-Mar-2020	15	229
188	KH.2.SS140	Construction of septic tank	21	15-Mar-2020	04-Apr-2020	0	214
189	KH.2.SS150	Construction of manholes	16	29-Feb-2020	15-Mar-2020	20	234
190	KH.2.SS160	Miscellaneous work	5	05-Apr-2020	09-Apr-2020	105	214
191	**LOGRO**		320	26-Dec-2019	09-Nov-2020	0	25
192	**LOGRO-01**		320	26-Dec-2019	09-Nov-2020	0	25
193	LG.1.TAR.100	Temporary Access Road	18	26-Dec-2019	12-Jan-2020	0	0
194	**Permanent Access Road**		234	13-Jan-2020	02-Sep-2020	0	53
195	**Earth and Allied Works**		234	13-Jan-2020	02-Sep-2020	0	53
196	LG.1.PAR100	Site Clearing and Removal of trees	10	13-Jan-2020	22-Jan-2020	0	0
197	LG.1.PAR110	Excavation Link-1	65	16-Jan-2020	20-Mar-2020	0	0
198	LG.1.PAR130	Excavation Link-2	45	21-Mar-2020	04-May-2020	0	40
199	LG.1.PAR140	Excavation Link-3	35	05-May-2020	08-Jun-2020	0	40
200	LG.1.PAR150	Embankment	6	28-Aug-2020	02-Sep-2020	0	53
201	**Stone masonary Retaining wall/Breast wall**		160	21-Mar-2020	27-Aug-2020	0	53
202	LG.1.RW/BW100	Stone masonary with mortar	160	21-Mar-2020	27-Aug-2020	0	53
203	**Land Development**		100	21-Mar-2020	28-Jun-2020	0	114
204	LG.1.LD100	Site Clearing & Removal of trees	10	21-Mar-2020	30-Mar-2020	0	0
205	LG.1.LD110	Excavation (Link-1 Plot Area)	45	21-Mar-2020	04-May-2020	0	0
206	LG.1.LD120	Excavation (Link-2 Plot Area)	35	05-May-2020	08-Jun-2020	0	0



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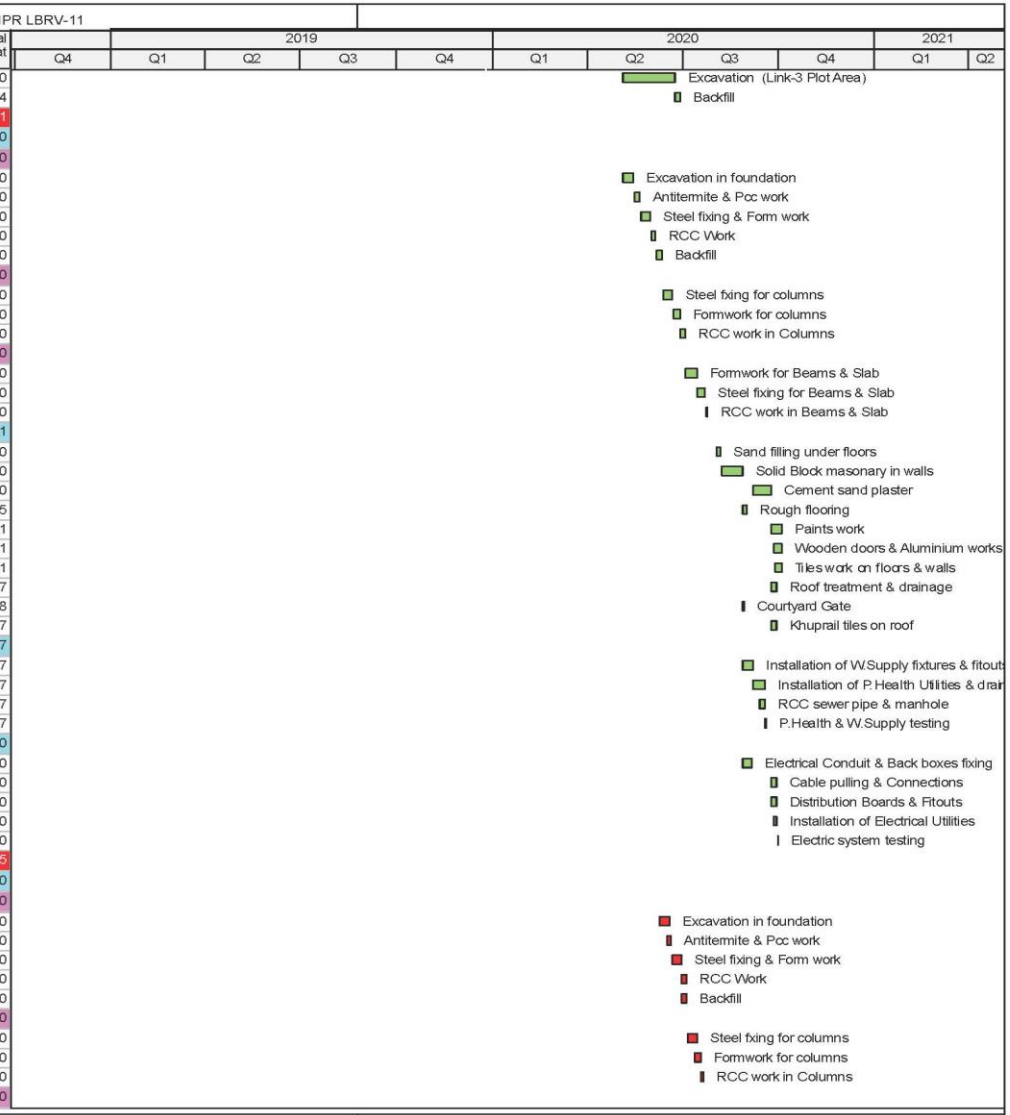
Gantt Chart of Dasu-LBRV-11 (4 of 14)

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
207	LG.1.LD130	Excavation (Link-3 Plot Area)	50	05-May-2020	23-Jun-2020	0	40
208	LG.1.LD140	Backfill	5	24-Jun-2020	28-Jun-2020	61	114
209	**Construction of Mosque**		153	05-May-2020	04-Oct-2020	0	61
210	**Structural work**		82	05-May-2020	25-Jul-2020	0	40
211	**Foundation**		38	05-May-2020	11-Jun-2020	0	40
212	LG.1.M.STR100	Excavation in foundation	11	05-May-2020	15-May-2020	0	40
213	LG.1.M.STR110	Antitermite & Pcc work	6	16-May-2020	21-May-2020	0	40
214	LG.1.M.STR120	Steel fixing & Form work	10	22-May-2020	31-May-2020	0	40
215	LG.1.M.STR130	RCC Work	5	01-Jun-2020	05-Jun-2020	0	40
216	LG.1.M.STR140	Backfill	6	06-Jun-2020	11-Jun-2020	0	40
217	**GF Vertical Elements**		22	12-Jun-2020	03-Jul-2020	0	40
218	LG.1.M.STR150	Steel fixing for columns	10	12-Jun-2020	21-Jun-2020	0	40
219	LG.1.M.STR160	Formwork for columns	7	22-Jun-2020	28-Jun-2020	0	40
220	LG.1.M.STR170	RCC work in Columns	5	29-Jun-2020	03-Jul-2020	0	40
221	**GF Horizental Elements**		22	04-Jul-2020	25-Jul-2020	0	40
222	LG.1.M.STR180	Formwork for Beams & Slab	11	04-Jul-2020	14-Jul-2020	0	40
223	LG.1.M.STR190	Steel fixing for Beams & Slab	8	15-Jul-2020	22-Jul-2020	0	40
224	LG.1.M.STR200	RCC work in Beams & Slab	3	23-Jul-2020	25-Jul-2020	0	40
225	**Architectural/Finishes work**		63	03-Aug-2020	04-Oct-2020	0	61
226	LG.1.M.A/F100	Sand filling under floors	4	03-Aug-2020	06-Aug-2020	0	40
227	LG.1.M.A/F110	Solid Block masonary in walls	21	07-Aug-2020	27-Aug-2020	0	40
228	LG.1.M.A/F120	Cement sand plaster	18	06-Sep-2020	23-Sep-2020	0	40
229	LG.1.M.A/F130	Rough flooring	4	28-Aug-2020	31-Aug-2020	95	95
230	LG.1.M.A/F140	Paints work	11	24-Sep-2020	04-Oct-2020	0	61
231	LG.1.M.A/F150	Wooden doors & Aluminium works	9	26-Sep-2020	04-Oct-2020	0	61
232	LG.1.M.A/F160	Tiles work on floors & walls	8	27-Sep-2020	04-Oct-2020	61	61
233	LG.1.M.A/F170	Roof treatment & drainage	5	24-Sep-2020	28-Sep-2020	67	67
234	LG.1.M.A/F180	Courtyard Gate	1	28-Aug-2020	28-Aug-2020	98	98
235	LG.1.M.A/F190	Khuprail tiles on roof	5	24-Sep-2020	28-Sep-2020	67	67
236	**Public Health work**		22	28-Aug-2020	18-Sep-2020	0	77
237	LG.1.M.PH100	Installation of W.Supply fixtures & fitouts	10	28-Aug-2020	06-Sep-2020	0	77
238	LG.1.M.PH110	Installation of P.Health Utilities & drainage	11	07-Sep-2020	17-Sep-2020	0	77
239	LG.1.M.PH120	RCC sewer pipe & manhole	5	13-Sep-2020	17-Sep-2020	0	77
240	LG.1.M.PH130	P.Health & W.Supply testing	1	18-Sep-2020	18-Sep-2020	77	77
241	**Internal Electrification**		34	28-Aug-2020	30-Sep-2020	0	40
242	LG.1.M.EL100	Electrical Conduit & Back boxes fixing	9	28-Aug-2020	05-Sep-2020	0	40
243	LG.1.M.EL110	Cable pulling & Connections	6	24-Sep-2020	29-Sep-2020	0	40
244	LG.1.M.EL120	Distribution Boards & Fitouts	6	24-Sep-2020	29-Sep-2020	0	40
245	LG.1.M.EL130	Installation of Electrical Utilities	4	26-Sep-2020	29-Sep-2020	0	40
246	LG.1.M.EL140	Electric system testing	1	30-Sep-2020	30-Sep-2020	40	40
247	**Construction of Primary/Middle School**		154	09-Jun-2020	09-Nov-2020	0	25
248	**Structural work**		71	09-Jun-2020	18-Aug-2020	0	0
249	**Foundation**		27	09-Jun-2020	05-Jul-2020	0	0
250	LG.1.PS.STR100	Excavation in foundation	10	09-Jun-2020	18-Jun-2020	0	0
251	LG.1.PS.STR110	Antitermite & Pcc work	5	16-Jun-2020	20-Jun-2020	0	0
252	LG.1.PS.STR120	Steel fixing & Form work	9	21-Jun-2020	29-Jun-2020	0	0
253	LG.1.PS.STR130	RCC Work	5	30-Jun-2020	04-Jul-2020	0	0
254	LG.1.PS.STR140	Backfill	6	30-Jun-2020	05-Jul-2020	0	0
255	**GF Vertical Elements**		16	06-Jul-2020	21-Jul-2020	0	0
256	LG.1.PS.STR150	Steel fixing for columns	10	06-Jul-2020	15-Jul-2020	0	0
257	LG.1.PS.STR160	Formwork for columns	7	12-Jul-2020	18-Jul-2020	0	0
258	LG.1.PS.STR170	RCC work in Columns	3	19-Jul-2020	21-Jul-2020	0	0
259	**GF Horizental Elements**		28	22-Jul-2020	18-Aug-2020	0	0



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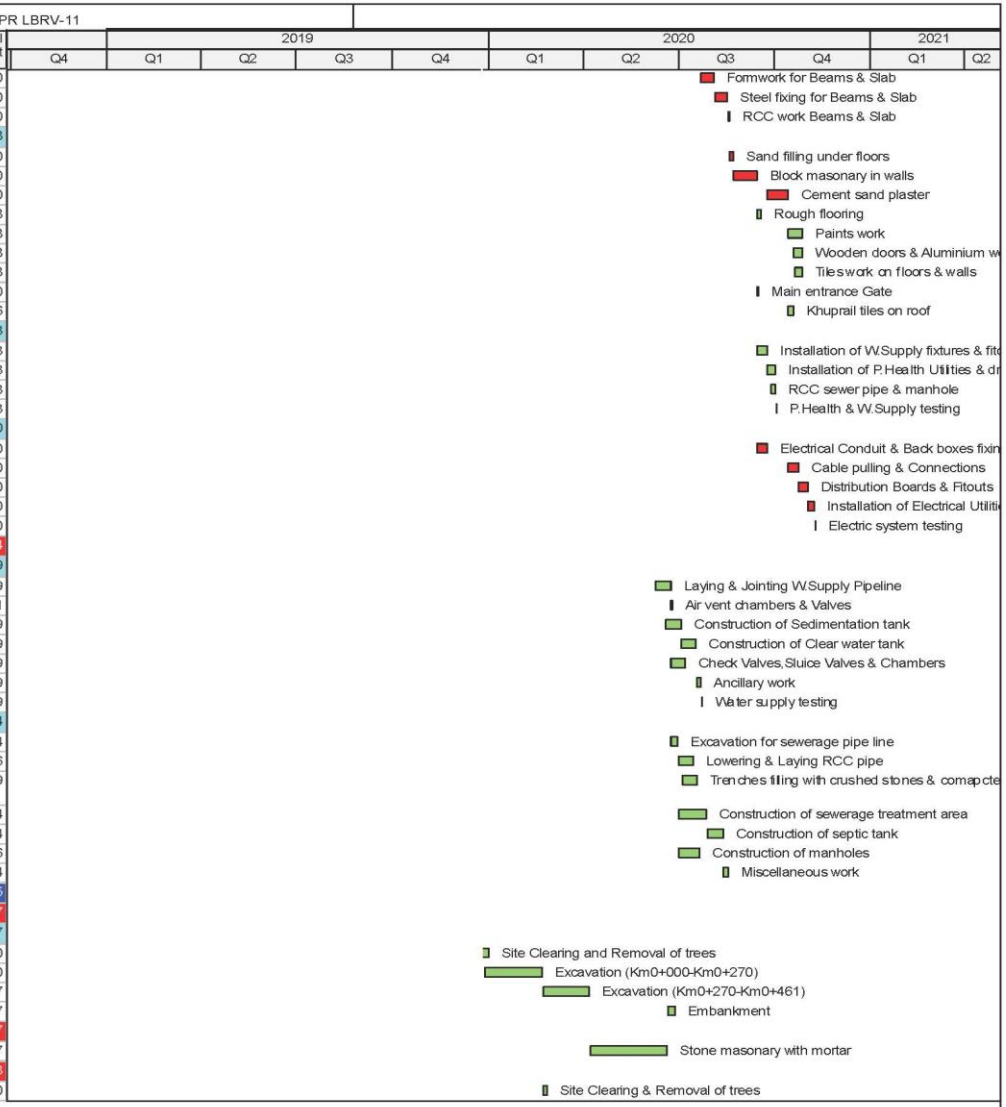
Gantt Chart of Dasu-LBRV-11 (5 of 14)

Figure 20 [6/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
260	LG.1.PS.STR180	Formwork for Beams & Slab	14	22-Jul-2020	04-Aug-2020	0	0
261	LG.1.PS.STR190	Steel fixing for Beams & Slab	12	05-Aug-2020	16-Aug-2020	0	0
262	LG.1.PS.STR200	RCC work Beams & Slab	2	17-Aug-2020	18-Aug-2020	0	0
263	**Architectural/Finishes work**		70	19-Aug-2020	27-Oct-2020	0	38
264	LG.1.PS.A/F100	Sand filling under floors	4	19-Aug-2020	22-Aug-2020	0	0
265	LG.1.PS.A/F110	Block masonary in walls	22	23-Aug-2020	13-Sep-2020	0	0
266	LG.1.PS.A/F120	Cement sand plaster	20	24-Sep-2020	13-Oct-2020	0	0
267	LG.1.PS.A/F130	Rough flooring	4	14-Sep-2020	17-Sep-2020	78	78
268	LG.1.PS.A/F140	Paints work	14	14-Oct-2020	27-Oct-2020	0	38
269	LG.1.PS.A/F150	Wooden doors & Aluminium works	9	19-Oct-2020	27-Oct-2020	0	38
270	LG.1.PS.A/F160	Tiles work on floors & walls	8	20-Oct-2020	27-Oct-2020	38	38
271	LG.1.PS.A/F170	Main entrance Gate	2	14-Sep-2020	15-Sep-2020	80	80
272	LG.1.PS.A/F180	Khuprail tiles on roof	6	14-Oct-2020	19-Oct-2020	46	46
273	**Public Health work**		19	14-Sep-2020	02-Oct-2020	0	63
274	LG.1.PS.PH100	Installation of W.Supply fixtures & fitouts	10	14-Sep-2020	23-Sep-2020	0	63
275	LG.1.PS.PH110	Installation of P.Health Utilities & drainage	8	24-Sep-2020	01-Oct-2020	0	63
276	LG.1.PS.PH120	RCC sewer pipe & manhole	5	27-Sep-2020	01-Oct-2020	0	63
277	LG.1.PS.PH130	P.Health & W.Supply testing	1	02-Oct-2020	02-Oct-2020	63	63
278	**Internal Electrification**		57	14-Sep-2020	09-Nov-2020	0	0
279	LG.1.PS.EL100	Electrical Conduit & Back boxes fixing	10	14-Sep-2020	23-Sep-2020	0	0
280	LG.1.PS.EL110	Cable pulling & Connections	10	14-Oct-2020	23-Oct-2020	0	0
281	LG.1.PS.EL120	Distribution Boards & Fitouts	9	24-Oct-2020	01-Nov-2020	0	0
282	LG.1.PS.EL130	Installation of Electrical Utilities	7	02-Nov-2020	08-Nov-2020	0	0
283	LG.1.PS.EL140	Electric system testing	1	09-Nov-2020	09-Nov-2020	0	0
284	**External Water Supply & Sewerage**		70	09-Jun-2020	17-Aug-2020	0	84
285	**Water Supply**		45	09-Jun-2020	23-Jul-2020	0	109
286	LG.1.WS100	Laying & Jointing W.Supply Pipeline	15	09-Jun-2020	23-Jun-2020	0	109
287	LG.1.WS110	Air vent chambers & Valves	2	24-Jun-2020	25-Jun-2020	22	131
288	LG.1.WS120	Construction of Sedimentation tank	15	19-Jun-2020	03-Jul-2020	0	109
289	LG.1.WS130	Construction of Clear water tank	14	04-Jul-2020	17-Jul-2020	0	109
290	LG.1.WS140	Check Valves, Sluice Valves & Chambers	14	24-Jun-2020	07-Jul-2020	10	119
291	LG.1.WS150	Ancillary work	5	18-Jul-2020	22-Jul-2020	0	109
292	LG.1.WS160	Water supply testing	1	23-Jul-2020	23-Jul-2020	109	109
293	**Sewerage System**		55	24-Jun-2020	17-Aug-2020	0	84
294	LG.1.SS100	Excavation for sewerage pipe line	7	24-Jun-2020	30-Jun-2020	0	84
295	LG.1.SS110	Lowering & Laying RCC pipe	14	01-Jul-2020	14-Jul-2020	0	106
296	LG.1.SS120	Trenches filling with crushed stones & comapcted earth	14	05-Jul-2020	18-Jul-2020	25	109
297	LG.1.SS130	Construction of sewerage treatment area	27	01-Jul-2020	27-Jul-2020	0	84
298	LG.1.SS140	Construction of septic tank	16	28-Jul-2020	12-Aug-2020	0	84
299	LG.1.SS150	Construction of manholes	21	01-Jul-2020	21-Jul-2020	22	106
300	LG.1.SS160	Miscellaneous work	5	13-Aug-2020	17-Aug-2020	84	84
301	**LOGRO-02**		290	26-Dec-2019	10-Oct-2020	0	55
302	**Permanent Access Road**		185	26-Dec-2019	27-Jun-2020	0	87
303	**Earth and Allied Works**		185	26-Dec-2019	27-Jun-2020	0	87
304	LG.2.PAR100	Site Clearing and Removal of trees	7	26-Dec-2019	01-Jan-2020	0	30
305	LG.2.PAR110	Excavation (Km0+000-Km0+270)	55	29-Dec-2019	21-Feb-2020	0	30
306	LG.2.PAR120	Excavation (Km0+270-Km0+461)	45	22-Feb-2020	06-Apr-2020	0	87
307	LG.2.PAR130	Embankment	7	21-Jun-2020	27-Jun-2020	0	87
308	**Stone masonary Retaining wall/Breast wall**		75	07-Apr-2020	20-Jun-2020	0	87
309	LG.2.RW/BW110	Stone masonary with mortar	75	07-Apr-2020	20-Jun-2020	0	87
310	**Land Development**		117	22-Feb-2020	17-Jun-2020	0	63
311	LG.2.LD100	Site Clearing & Removal of trees	5	22-Feb-2020	26-Feb-2020	0	30



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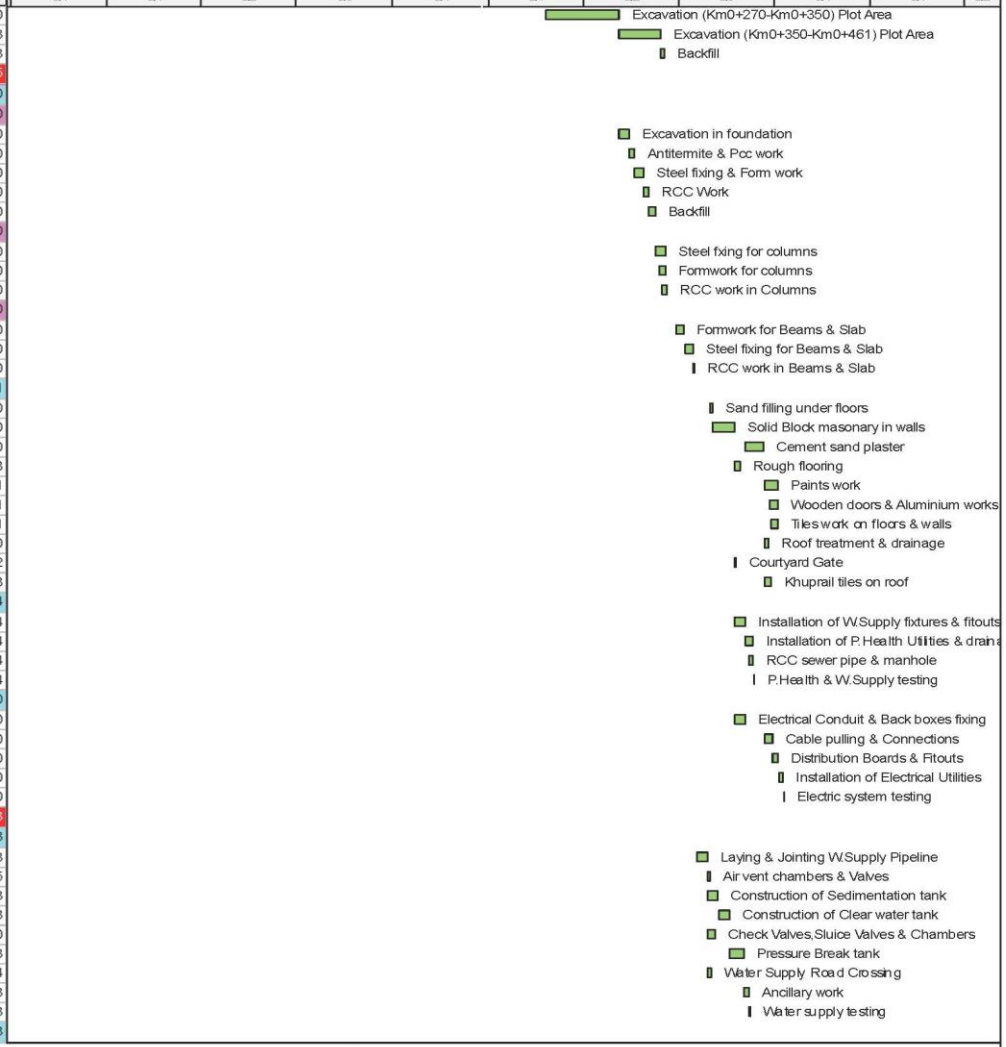
Gantt Chart of Dasu-LBRV-11 (6 of 14)

Figure 20 [7/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
312	LG.2.LD110	Excavation (Km0+270-Km0+350) Plot Area	70	25-Feb-2020	04-May-2020	0	30
313	LG.2.LD120	Excavation (Km0+350-Km0+461) Plot Area	40	05-May-2020	13-Jun-2020	0	63
314	LG.2.LD130	Backfill	4	14-Jun-2020	17-Jun-2020	0	63
315	Construction of Mosque		159	05-May-2020	10-Oct-2020	0	55
316	Structural work		73	05-May-2020	16-Jul-2020	0	30
317	Foundation		35	05-May-2020	08-Jun-2020	0	30
318	LG.2.M.STR100	Excavation in foundation	10	05-May-2020	14-May-2020	0	30
319	LG.2.M.STR110	Antitermite & Pcc work	5	15-May-2020	19-May-2020	0	30
320	LG.2.M.STR120	Steel fixing & Form work	9	20-May-2020	28-May-2020	0	30
321	LG.2.M.STR130	RCC Work	5	29-May-2020	02-Jun-2020	0	30
322	LG.2.M.STR140	Backfill	6	03-Jun-2020	08-Jun-2020	0	30
323	GF Vertical Elements		11	09-Jun-2020	19-Jun-2020	0	30
324	LG.2.M.STR150	Steel fxing for columns	10	09-Jun-2020	18-Jun-2020	0	30
325	LG.2.M.STR160	Formwork for columns	7	12-Jun-2020	18-Jun-2020	0	30
326	LG.2.M.STR170	RCC work in Columns	5	15-Jun-2020	19-Jun-2020	0	30
327	GF Horizental Elements		19	28-Jun-2020	16-Jul-2020	0	30
328	LG.2.M.STR180	Formwork for Beams & Slab	9	28-Jun-2020	06-Jul-2020	0	30
329	LG.2.M.STR190	Steel fixing for Beams & Slab	8	07-Jul-2020	14-Jul-2020	0	30
330	LG.2.M.STR200	RCC work in Beams & Slab	2	15-Jul-2020	16-Jul-2020	0	30
331	Architectural/Finishes work		66	31-Jul-2020	04-Oct-2020	0	61
332	LG.2.M.A/F100	Sand filling under floors	3	31-Jul-2020	02-Aug-2020	0	30
333	LG.2.M.A/F110	Solid Block masonary in walls	21	03-Aug-2020	23-Aug-2020	0	30
334	LG.2.M.A/F120	Cement sand plaster	18	03-Sep-2020	20-Sep-2020	0	30
335	LG.2.M.A/F130	Rough flooring	5	24-Aug-2020	28-Aug-2020	98	98
336	LG.2.M.A/F140	Paints work	14	21-Sep-2020	04-Oct-2020	0	61
337	LG.2.M.A/F150	Wooden doors & Aluminium works	9	26-Sep-2020	04-Oct-2020	0	61
338	LG.2.M.A/F160	Tiles work on floors & walls	7	28-Sep-2020	04-Oct-2020	61	61
339	LG.2.M.A/F170	Roof treatment & drainage	5	21-Sep-2020	25-Sep-2020	70	70
340	LG.2.M.A/F180	Courtyard Gate	1	24-Aug-2020	24-Aug-2020	102	102
341	LG.2.M.A/F190	Khuprail tiles on roof	7	21-Sep-2020	27-Sep-2020	68	68
342	Public Health work		19	24-Aug-2020	11-Sep-2020	0	84
343	LG.2.M.PH100	Installation of W.Supply fixtures & fitouts	10	24-Aug-2020	02-Sep-2020	0	84
344	LG.2.M.PH110	Installation of P.Health Utilities & drainage	8	03-Sep-2020	10-Sep-2020	0	84
345	LG.2.M.PH120	RCC sewer pipe & manhole	5	06-Sep-2020	10-Sep-2020	0	84
346	LG.2.M.PH130	P.Health & W.Supply testing	1	11-Sep-2020	11-Sep-2020	84	84
347	Internal Electrification		48	24-Aug-2020	10-Oct-2020	0	30
348	LG.2.M.EL100	Electrical Conduit & Back boxes fixing	10	24-Aug-2020	02-Sep-2020	0	30
349	LG.2.M.EL110	Cable pulling & Connections	8	21-Sep-2020	28-Sep-2020	0	30
350	LG.2.M.EL120	Distribution Boards & Fitouts	6	29-Sep-2020	04-Oct-2020	0	30
351	LG.2.M.EL130	Installation of Electrical Utilities	5	05-Oct-2020	09-Oct-2020	0	30
352	LG.2.M.EL140	Electric system testing	1	10-Oct-2020	10-Oct-2020	0	30
353	External Water Supply & Sewerage		82	18-Jun-2020	07-Sep-2020	0	63
354	Water Supply		52	18-Jul-2020	07-Sep-2020	0	63
355	LG.2.WS100	Laying & Jointing W.Supply Pipeline	11	18-Jul-2020	28-Jul-2020	0	63
356	LG.2.WS110	Air vent chambers & Valves	3	29-Jul-2020	31-Jul-2020	32	95
357	LG.2.WS120	Construction of Sedimentation tank	10	29-Jul-2020	07-Aug-2020	0	63
358	LG.2.WS130	Construction of Clear water tank	10	09-Aug-2020	18-Aug-2020	0	63
359	LG.2.WS140	Check Valves,Sluice Valves & Chambers	8	29-Jul-2020	05-Aug-2020	27	90
360	LG.2.WS150	Pressure Break tank	14	19-Aug-2020	01-Sep-2020	0	63
361	LG.2.WS160	Water Supply Road Crossing	4	29-Jul-2020	01-Aug-2020	31	94
362	LG.2.WS170	Ancillary work	5	02-Sep-2020	06-Sep-2020	0	63
363	LG.2.WS180	Water supply testing	1	07-Sep-2020	07-Sep-2020	33	63
364	Sewerage System		52	18-Jun-2020	08-Aug-2020	0	93



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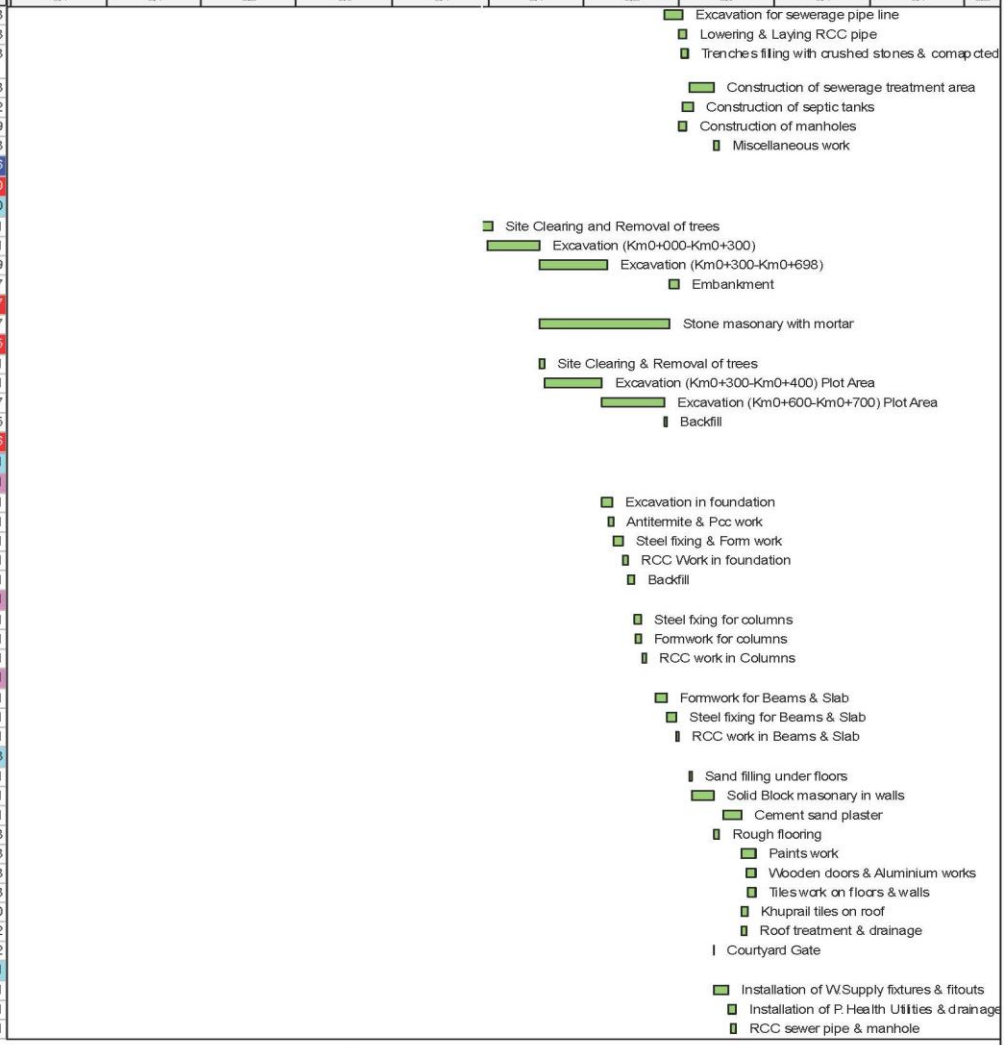
Gantt Chart of Dasu-LBRV-11 (7 of 14)

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
365	LG.2.SS100	Excavation for sewerage pipe line	17	18-Jun-2020	04-Jul-2020	0	93
366	LG.2.SS110	Lowering & Laying RCC pipe	8	01-Jul-2020	08-Jul-2020	0	93
367	LG.2.SS120	Trenches filling with crushed stones & comapcted earth	8	03-Jul-2020	10-Jul-2020	0	93
368	LG.2.SS130	Construction of sewerage treatment area	24	11-Jul-2020	03-Aug-2020	0	93
369	LG.2.SS140	Construction of septic tanks	11	05-Jul-2020	15-Jul-2020	19	112
370	LG.2.SS150	Construction of manholes	8	01-Jul-2020	08-Jul-2020	26	119
371	LG.2.SS160	Miscellaneous work	5	04-Aug-2020	08-Aug-2020	63	93
372	LOGRO-03		269	26-Dec-2019	19-Sep-2020	0	76
373	Permanent Access Road		189	26-Dec-2019	01-Jul-2020	0	80
374	Earth and Allied Works		189	26-Dec-2019	01-Jul-2020	0	80
375	LG.3.PAR100	Site Clearing and Removal of trees	10	26-Dec-2019	04-Jan-2020	0	51
376	LG.3.PAR110	Excavation (Km0+000-Km0+300)	50	31-Dec-2019	18-Feb-2020	0	51
377	LG.3.PAR120	Excavation (Km0+300-Km0+698)	65	19-Feb-2020	23-Apr-2020	0	149
378	LG.3.PAR130	Embankment	9	23-Jun-2020	01-Jul-2020	0	57
379	Stone masonary Retaining wall/Breast wall		125	19-Feb-2020	22-Jun-2020	0	57
380	LG.3.RW/BW100	Stone masonary with mortar	125	19-Feb-2020	22-Jun-2020	0	57
381	Land Development		123	19-Feb-2020	20-Jun-2020	0	125
382	LG.3.LD100	Site Clearing & Removal of trees	5	19-Feb-2020	23-Feb-2020	0	51
383	LG.3.LD110	Excavation (Km0+300-Km0+400) Plot Area	55	24-Feb-2020	18-Apr-2020	0	51
384	LG.3.LD120	Excavation (Km0+600-Km0+700) Plot Area	60	19-Apr-2020	17-Jun-2020	0	87
385	LG.3.LD130	Backfill	3	18-Jun-2020	20-Jun-2020	68	125
386	Construction of Mosque		154	19-Apr-2020	19-Sep-2020	0	76
387	Structural work		74	19-Apr-2020	01-Jul-2020	0	51
388	Foundation		31	19-Apr-2020	19-May-2020	0	51
389	LG.3.M.STR100	Excavation in foundation	10	19-Apr-2020	28-Apr-2020	0	51
390	LG.3.M.STR110	Antitermite & Pcc work	5	25-Apr-2020	29-Apr-2020	0	51
391	LG.3.M.STR120	Steel fixing & Form work	9	30-Apr-2020	08-May-2020	0	51
392	LG.3.M.STR130	RCC Work in foundation	5	09-May-2020	13-May-2020	0	51
393	LG.3.M.STR200	Backfill	6	14-May-2020	19-May-2020	0	51
394	GF Vertical Elements		12	20-May-2020	31-May-2020	0	51
395	LG.3.M.STR140	Steel fxing for columns	7	20-May-2020	26-May-2020	0	51
396	LG.3.M.STR150	Formwork for columns	6	21-May-2020	26-May-2020	0	51
397	LG.3.M.STR160	RCC work in Columns	5	27-May-2020	31-May-2020	0	51
398	GF Horizental Elements		23	09-Jun-2020	01-Jul-2020	0	51
399	LG.3.M.STR170	Formwork for Beams & Slab	11	09-Jun-2020	19-Jun-2020	0	51
400	LG.3.M.STR180	Steel fixing for Beams & Slab	9	20-Jun-2020	28-Jun-2020	0	51
401	LG.3.M.STR190	RCC work in Beams & Slab	3	29-Jun-2020	01-Jul-2020	0	51
402	Architectural/Finishes work		64	11-Jul-2020	12-Sep-2020	0	83
403	LG.3.M.A/F100	Sand filling under floors	3	11-Jul-2020	13-Jul-2020	0	51
404	LG.3.M.A/F110	Solid Block masonary in walls	21	14-Jul-2020	03-Aug-2020	0	51
405	LG.3.M.A/F120	Cement sand plaster	18	12-Aug-2020	29-Aug-2020	0	51
406	LG.3.M.A/F130	Rough flooring	5	04-Aug-2020	08-Aug-2020	118	118
407	LG.3.M.A/F140	Paints work	14	30-Aug-2020	12-Sep-2020	0	83
408	LG.3.M.A/F150	Wooden doors & Aluminium works	9	04-Sep-2020	12-Sep-2020	0	83
409	LG.3.M.A/F160	Tiles work on floors & walls	8	05-Sep-2020	12-Sep-2020	83	83
410	LG.3.M.A/F170	Khuprail tiles on roof	7	30-Aug-2020	05-Sep-2020	90	90
411	LG.3.M.A/F180	Roof treatment & drainage	5	30-Aug-2020	03-Sep-2020	92	92
412	LG.3.M.A/F190	Courtyard Gate	1	04-Aug-2020	04-Aug-2020	122	122
413	Publlic Health work		22	04-Aug-2020	25-Aug-2020	0	101
414	LG.3.M.PH100	Installation of W.Supply fixtures & fitouts	14	04-Aug-2020	17-Aug-2020	0	101
415	LG.3.M.PH110	Installation of P.Health Utilities & drainage	7	18-Aug-2020	24-Aug-2020	0	101
416	LG.3.M.PH120	RCC sewer pipe & manhole	5	20-Aug-2020	24-Aug-2020	0	101



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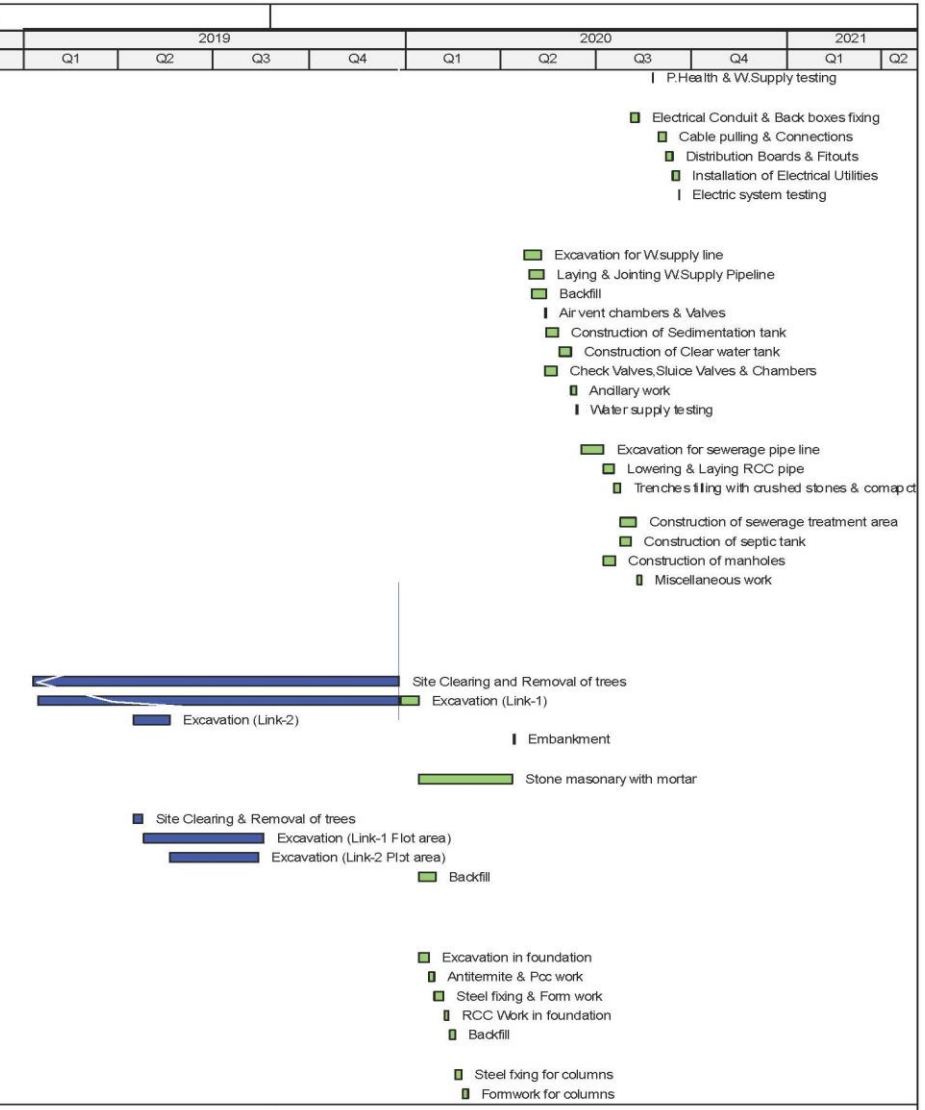
Gantt Chart of Dasu-LBRV-11 (8 of 14)

Figure 20 [9/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
417	LG.3.M.PH130	P.Health & W.Supply testing	1	25-Aug-2020	25-Aug-2020	101	101
418	**Internal Electrification**		47	04-Aug-2020	19-Sep-2020	0	51
419	LG.3.M.EL100	Electrical Conduit & Back boxes fixing	8	04-Aug-2020	11-Aug-2020	0	51
420	LG.3.M.EL110	Cable pulling & Connections	8	30-Aug-2020	06-Sep-2020	0	51
421	LG.3.M.EL120	Distribution Boards & Fitouts	6	07-Sep-2020	12-Sep-2020	0	51
422	LG.3.M.EL130	Installation of Electrical Utilities	6	13-Sep-2020	18-Sep-2020	0	51
423	LG.3.M.EL140	Electric system testing	1	19-Sep-2020	19-Sep-2020	0	51
424	**External Water Supply & Sewerage**		113	24-Apr-2020	14-Aug-2020	0	87
425	**Water Supply**		51	24-Apr-2020	13-Jun-2020	0	149
426	LG.3.WS100	Excavation for W.supply line	16	24-Apr-2020	09-May-2020	0	149
427	LG.3.WS110	Laying & Jointing W.Supply Pipeline	14	29-Apr-2020	12-May-2020	0	149
428	LG.3.WS120	Backfill	14	01-May-2020	14-May-2020	0	149
429	LG.3.WS130	Air vent chambers & Valves	3	13-May-2020	15-May-2020	23	172
430	LG.3.WS140	Construction of Sedimentation tank	12	15-May-2020	26-May-2020	0	149
431	LG.3.WS150	Construction of Clear water tank	12	27-May-2020	07-Jun-2020	0	149
432	LG.3.WS160	Check Valves,Sluice Valves & Chambers	13	13-May-2020	25-May-2020	13	162
433	LG.3.WS170	Ancillary work	5	08-Jun-2020	12-Jun-2020	0	149
434	LG.3.WS180	Water supply testing	1	13-Jun-2020	13-Jun-2020	98	149
435	**Sewerage System**		58	18-Jun-2020	14-Aug-2020	0	87
436	LG.3.SS100	Excavation for sewerage pipe line	21	18-Jun-2020	08-Jul-2020	0	87
437	LG.3.SS110	Lowering & Laying RCC pipe	10	09-Jul-2020	18-Jul-2020	0	87
438	LG.3.SS120	Trenches filling with crushed stones & comapcted earth	6	19-Jul-2020	24-Jul-2020	0	87
439	LG.3.SS130	Construction of sewerage treatment area	16	25-Jul-2020	09-Aug-2020	0	87
440	LG.3.SS140	Construction of septic tank	10	25-Jul-2020	03-Aug-2020	6	93
441	LG.3.SS150	Construction of manholes	12	09-Jul-2020	20-Jul-2020	20	107
442	LG.3.SS160	Miscellaneous work	5	10-Aug-2020	14-Aug-2020	36	87
443	**UCHAR**		579	10-Jan-2019 A	10-Aug-2020	0	116
444	**UCHAR-01**		533	10-Jan-2019 A	25-Jun-2020	0	162
445	**Permanent Access Road**		462	10-Jan-2019 A	15-Apr-2020	0	122
446	**Earth and Allied Works**		462	10-Jan-2019 A	15-Apr-2020	0	122
447	UC.1.PAR100	Site Clearing and Removal of trees	5	10-Jan-2019 A	26-Dec-2019	0	122
448	UC.1.PAR110	Excavation (Link-1)	90	15-Jan-2019 A	13-Jan-2020	0	122
449	UC.1.PAR120	Excavation (Link-2)	35	15-Apr-2019 A	20-May-2019 A		
450	UC.1.PAR130	Embankment	3	13-Apr-2020	15-Apr-2020	0	122
451	**Stone masonary Retaining wall/Breast wall**		90	14-Jan-2020	12-Apr-2020	0	122
452	UC.1.RW/BW100	Stone masonary with mortar	90	14-Jan-2020	12-Apr-2020	0	122
453	**Land Development**		290	15-Apr-2019 A	29-Jan-2020	0	139
454	UC.1.LD100	Site Clearing & Removal of trees	10	15-Apr-2019 A	24-Apr-2019 A		
455	UC.1.LD110	Excavation (Link-1 Plot area)	116	25-Apr-2019 A	18-Aug-2019 A		
456	UC.1.LD120	Excavation (Link-2 Plot area)	86	20-May-2019 A	13-Aug-2019 A		
457	UC.1.LD130	Backfill	16	14-Jan-2020	29-Jan-2020	0	139
458	**Construction of Mosque**		149	14-Jan-2020	10-Jun-2020	0	177
459	**Structural work**		72	14-Jan-2020	25-Mar-2020	0	152
460	**Foundation**		35	14-Jan-2020	17-Feb-2020	0	152
461	UC.1.M.STR100	Excavation in foundation	10	14-Jan-2020	23-Jan-2020	0	152
462	UC.1.M.STR110	Antitermite & Pcc work	5	24-Jan-2020	28-Jan-2020	0	152
463	UC.1.M.STR120	Steel fixing & Form work	9	29-Jan-2020	06-Feb-2020	0	152
464	UC.1.M.STR130	RCC Work in foundation	5	07-Feb-2020	11-Feb-2020	0	152
465	UC.1.M.STR200	Backfill	6	12-Feb-2020	17-Feb-2020	0	152
466	**GF Vertical Elements**		18	18-Feb-2020	06-Mar-2020	0	152
467	UC.1.M.STR140	Steel fixing for columns	7	18-Feb-2020	24-Feb-2020	0	152
468	UC.1.M.STR150	Formwork for columns	6	25-Feb-2020	01-Mar-2020	0	152



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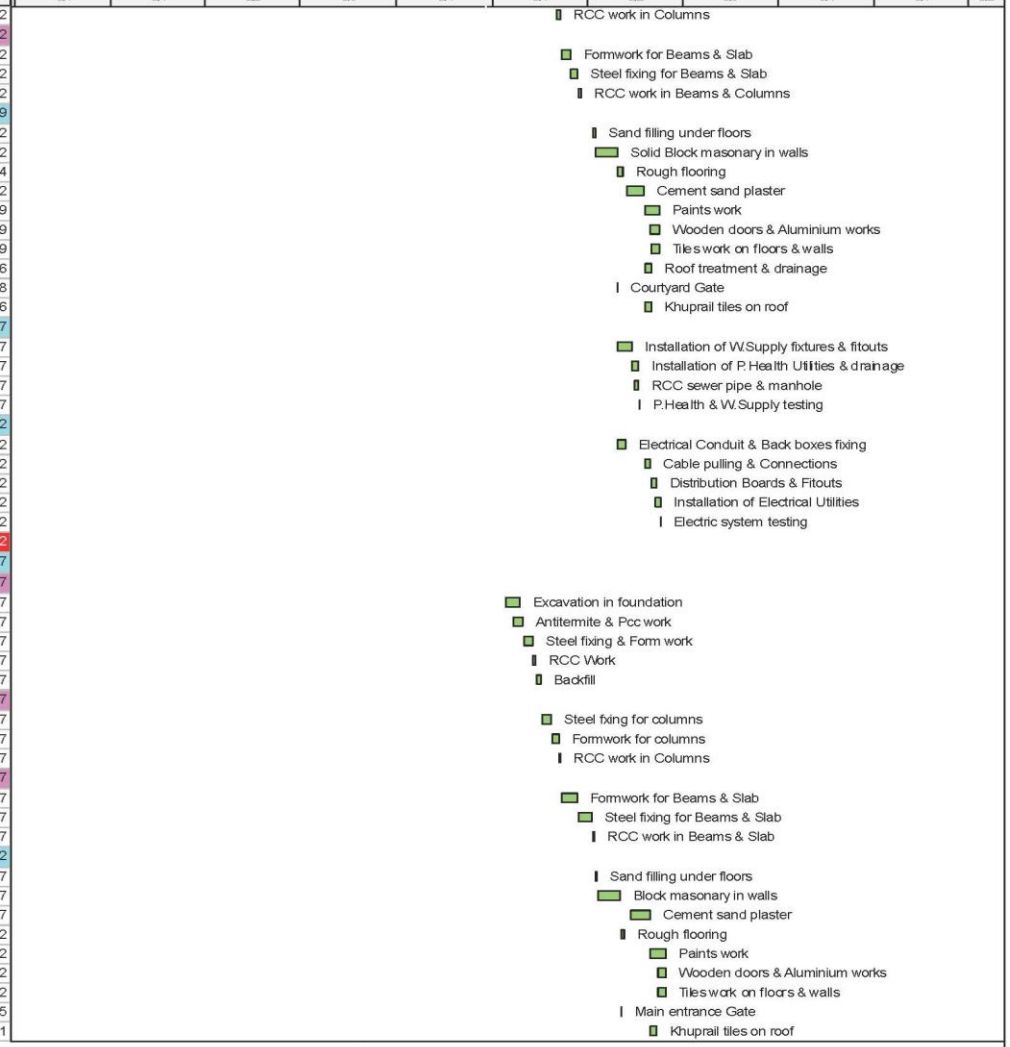
Gantt Chart of Dasu-LBRV-11 (9 of 14)

Figure 20 [10/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
469	UC.1.M.STR160	RCC work in Columns	5	02-Mar-2020	06-Mar-2020	0	152
470	**GF Horizental Elements**		19	07-Mar-2020	25-Mar-2020	0	152
471	UC.1.M.STR170	Formwork for Beams & Slab	9	07-Mar-2020	15-Mar-2020	0	152
472	UC.1.M.STR180	Steel fixing for Beams & Slab	7	16-Mar-2020	22-Mar-2020	0	152
473	UC.1.M.STR190	RCC work in Beams & Columns	3	23-Mar-2020	25-Mar-2020	0	152
474	**Architectural/Finishes work**		64	06-Apr-2020	08-Jun-2020	0	179
475	UC.1.M.A/F100	Sand filling under floors	3	06-Apr-2020	08-Apr-2020	0	152
476	UC.1.M.A/F110	Solid Block masonary in walls	21	09-Apr-2020	29-Apr-2020	0	152
477	UC.1.M.A/F120	Rough flooring	5	30-Apr-2020	04-May-2020	214	214
478	UC.1.M.A/F130	Cement sand plaster	18	08-May-2020	25-May-2020	0	152
479	UC.1.M.A/F140	Paints work	14	26-May-2020	08-Jun-2020	0	179
480	UC.1.M.A/F150	Wooden doors & Aluminium works	9	31-May-2020	08-Jun-2020	0	179
481	UC.1.M.A/F160	Tiles work on floors & walls	8	01-Jun-2020	08-Jun-2020	179	179
482	UC.1.M.A/F170	Roof treatment & drainage	7	26-May-2020	01-Jun-2020	186	186
483	UC.1.M.A/F180	Courtyard Gate	1	30-Apr-2020	30-Apr-2020	218	218
484	UC.1.M.A/F190	Khuprail tiles on roof	7	26-May-2020	01-Jun-2020	186	186
485	**Public Health work**		22	30-Apr-2020	21-May-2020	0	197
486	UC.1.M.PH100	Installation of W.Supply fixtures & fitouts	14	30-Apr-2020	13-May-2020	0	197
487	UC.1.M.PH110	Installation of P.Health Utilities & drainage	7	14-May-2020	20-May-2020	0	197
488	UC.1.M.PH120	RCC sewer pipe & manhole	5	16-May-2020	20-May-2020	0	197
489	UC.1.M.PH130	P.Health & W.Supply testing	1	21-May-2020	21-May-2020	197	197
490	**Internal Electrification**		42	30-Apr-2020	10-Jun-2020	0	152
491	UC.1.M.EL100	Electrical Conduit & Back boxes fixing	8	30-Apr-2020	07-May-2020	0	152
492	UC.1.M.EL110	Cable pulling & Connections	6	26-May-2020	31-May-2020	0	152
493	UC.1.M.EL120	Distribution Boards & Fitouts	6	01-Jun-2020	06-Jun-2020	0	152
494	UC.1.M.EL130	Installation of Electrical Utilities	5	05-Jun-2020	09-Jun-2020	0	152
495	UC.1.M.EL140	Electric system testing	1	10-Jun-2020	10-Jun-2020	30	152
496	**Construction of High School**		164	14-Jan-2020	25-Jun-2020	0	162
497	**Structural work**		85	14-Jan-2020	07-Apr-2020	0	137
498	**Foundation**		34	14-Jan-2020	16-Feb-2020	0	137
499	UC.1.HS.STR100	Excavation in foundation	14	14-Jan-2020	27-Jan-2020	0	137
500	UC.1.HS.STR110	Antitermite & Pcc work	10	21-Jan-2020	30-Jan-2020	0	137
501	UC.1.HS.STR120	Steel fixing & Form work	9	31-Jan-2020	08-Feb-2020	0	137
502	UC.1.HS.STR130	RCC Work	3	09-Feb-2020	11-Feb-2020	0	137
503	UC.1.HS.STR140	Backfill	5	12-Feb-2020	16-Feb-2020	0	137
504	**GF Vertical Elements**		19	17-Feb-2020	06-Mar-2020	0	137
505	UC.1.HS.STR150	Steel fixing for columns	10	17-Feb-2020	26-Feb-2020	0	137
506	UC.1.HS.STR160	Formwork for columns	7	27-Feb-2020	04-Mar-2020	0	137
507	UC.1.HS.STR170	RCC work in Columns	2	05-Mar-2020	06-Mar-2020	0	137
508	**GF Horizental Elements**		32	07-Mar-2020	07-Apr-2020	0	137
509	UC.1.HS.STR180	Formwork for Beams & Slab	16	07-Mar-2020	22-Mar-2020	0	137
510	UC.1.HS.STR190	Steel fixing for Beams & Slab	14	23-Mar-2020	05-Apr-2020	0	137
511	UC.1.HS.STR200	RCC work in Beams & Slab	2	06-Apr-2020	07-Apr-2020	0	137
512	**Architectural/Finishes work**		69	08-Apr-2020	15-Jun-2020	0	172
513	UC.1.HS.A/F100	Sand filling under floors	3	08-Apr-2020	10-Apr-2020	0	137
514	UC.1.HS.A/F110	Block masonary in walls	22	11-Apr-2020	02-May-2020	0	137
515	UC.1.HS.A/F120	Cement sand plaster	19	12-May-2020	30-May-2020	0	137
516	UC.1.HS.A/F130	Rough flooring	4	03-May-2020	06-May-2020	212	212
517	UC.1.HS.A/F140	Paints work	16	31-May-2020	15-Jun-2020	0	172
518	UC.1.HS.A/F150	Wooden doors & Aluminium works	9	07-Jun-2020	15-Jun-2020	0	172
519	UC.1.HS.A/F160	Tiles work on floors & walls	8	08-Jun-2020	15-Jun-2020	172	172
520	UC.1.HS.A/F170	Main entrance Gate	1	03-May-2020	03-May-2020	215	215
521	UC.1.HS.A/F180	Khuprail tiles on roof	7	31-May-2020	06-Jun-2020	181	181



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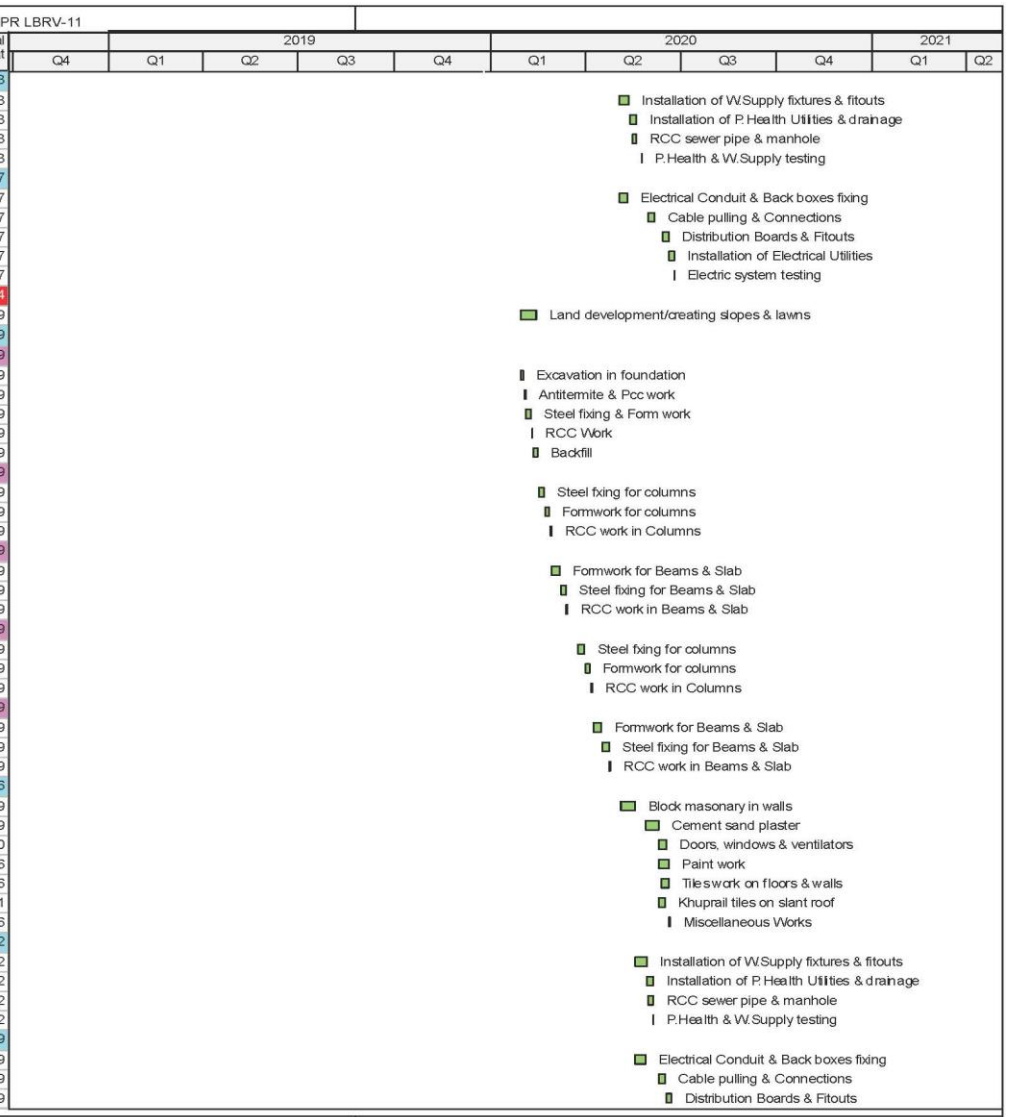
Gantt Chart of Dasu-LBRV-11 (10 of 14)

Figure 20 [11/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
522		**Public Health work**	23	03-May-2020	25-May-2020	0	193
523	UC.1.HS.PH100	Installation of W.Supply fixtures & fitouts	10	03-May-2020	12-May-2020	0	193
524	UC.1.HS.PH110	Installation of P.Health Utilities & drainage	8	13-May-2020	20-May-2020	0	193
525	UC.1.HS.PH120	RCC sewer pipe & manhole	5	16-May-2020	20-May-2020	0	193
526	UC.1.HS.PH130	P.Health & W.Supply testing	1	25-May-2020	25-May-2020	193	193
527		**Internal Electrification**	54	03-May-2020	25-Jun-2020	0	137
528	UC.1.HS.EL100	Electrical Conduit & Back boxes fixing	9	03-May-2020	11-May-2020	0	137
529	UC.1.HS.EL110	Cable pulling & Connections	7	31-May-2020	06-Jun-2020	0	137
530	UC.1.HS.EL120	Distribution Boards & Fitouts	6	14-Jun-2020	19-Jun-2020	0	137
531	UC.1.HS.EL130	Installation of Electrical Utilities	5	20-Jun-2020	24-Jun-2020	0	137
532	UC.1.HS.EL140	Electric system testing	1	25-Jun-2020	25-Jun-2020	15	137
533		**Construction of Police Post**	146	30-Jan-2020	23-Jun-2020	0	164
534	UC.1.PP.LD.100	Land development/creating slopes & lawns	15	30-Jan-2020	13-Feb-2020	0	139
535		**Structural work**	86	30-Jan-2020	24-Apr-2020	0	139
536		**Foundation**	17	30-Jan-2020	15-Feb-2020	0	139
537	UC.1.PP.STR100	Excavation in foundation	3	30-Jan-2020	01-Feb-2020	0	139
538	UC.1.PP.STR110	Antitermite & Pcc work	2	02-Feb-2020	03-Feb-2020	0	139
539	UC.1.PP.STR120	Steel fixing & Form work	6	04-Feb-2020	09-Feb-2020	0	139
540	UC.1.PP.STR130	RCC Work	1	10-Feb-2020	10-Feb-2020	0	139
541	UC.1.PP.STR140	Backfill	5	11-Feb-2020	15-Feb-2020	0	139
542		**GF Vertical Elements**	13	16-Feb-2020	28-Feb-2020	0	139
543	UC.1.PP.STR150	Steel fxing for columns	6	16-Feb-2020	21-Feb-2020	0	139
544	UC.1.PP.STR160	Formwork for columns	5	22-Feb-2020	26-Feb-2020	0	139
545	UC.1.PP.STR170	RCC work in Columns	2	27-Feb-2020	28-Feb-2020	0	139
546		**GF Horizental Elements**	15	29-Feb-2020	14-Mar-2020	0	139
547	UC.1.PP.STR180	Formwork for Beams & Slab	8	29-Feb-2020	07-Mar-2020	0	139
548	UC.1.PP.STR190	Steel fixing for Beams & Slab	6	08-Mar-2020	13-Mar-2020	0	139
549	UC.1.PP.STR200	RCC work in Beams & Slab	1	14-Mar-2020	14-Mar-2020	0	139
550		**FF Vertical Elements**	14	25-Mar-2020	07-Apr-2020	0	139
551	UC.1.PP.STR210	Steel fxing for columns	7	25-Mar-2020	31-Mar-2020	0	139
552	UC.1.PP.STR220	Formwork for columns	5	01-Apr-2020	05-Apr-2020	0	139
553	UC.1.PP.STR230	RCC work in Columns	2	06-Apr-2020	07-Apr-2020	0	139
554		**FF Horizental Elements**	17	08-Apr-2020	24-Apr-2020	0	139
555	UC.1.PP.STR240	Formwork for Beams & Slab	9	08-Apr-2020	16-Apr-2020	0	139
556	UC.1.PP.STR250	Steel fixing for Beams & Slab	7	17-Apr-2020	23-Apr-2020	0	139
557	UC.1.PP.STR260	RCC work in Beams & Slab	1	24-Apr-2020	24-Apr-2020	0	139
558		**Architectural/Finishes work**	48	05-May-2020	21-Jun-2020	0	166
559	UC.1.PP.A/F100	Block masonary in walls	14	05-May-2020	18-May-2020	0	139
560	UC.1.PP.A/F110	Cement sand plaster	12	29-May-2020	09-Jun-2020	0	139
561	UC.1.PP.A/F120	Doors, windows & ventilators	8	10-Jun-2020	17-Jun-2020	170	170
562	UC.1.PP.A/F130	Paint work	10	10-Jun-2020	19-Jun-2020	0	166
563	UC.1.PP.A/F140	Tile swork on floors & walls	8	12-Jun-2020	19-Jun-2020	0	166
564	UC.1.PP.A/F150	Khuprail tiles on slant roof	7	10-Jun-2020	16-Jun-2020	171	171
565	UC.1.PP.A/F160	Miscellaneous Works	2	20-Jun-2020	21-Jun-2020	166	166
566		**Public Health work**	18	19-May-2020	05-Jun-2020	0	182
567	UC.1.PP.PH100	Installation of W.Supply fixtures & fitouts	11	19-May-2020	29-May-2020	0	182
568	UC.1.PP.PH110	Installation of P.Health Utilities & drainage	6	30-May-2020	04-Jun-2020	0	182
569	UC.1.PP.PH120	RCC sewer pipe & manhole	5	31-May-2020	04-Jun-2020	0	182
570	UC.1.PP.PH130	P.Health & W.Supply testing	1	05-Jun-2020	05-Jun-2020	182	182
571		**Internal Electrification**	36	19-May-2020	23-Jun-2020	0	139
572	UC.1.PP.EL100	Electrical Conduit & Back boxes fixing	10	19-May-2020	28-May-2020	0	139
573	UC.1.PP.EL110	Cable pulling & Connections	7	10-Jun-2020	16-Jun-2020	0	139
574	UC.1.PP.EL120	Distribution Boards & Fitouts	6	17-Jun-2020	22-Jun-2020	0	139



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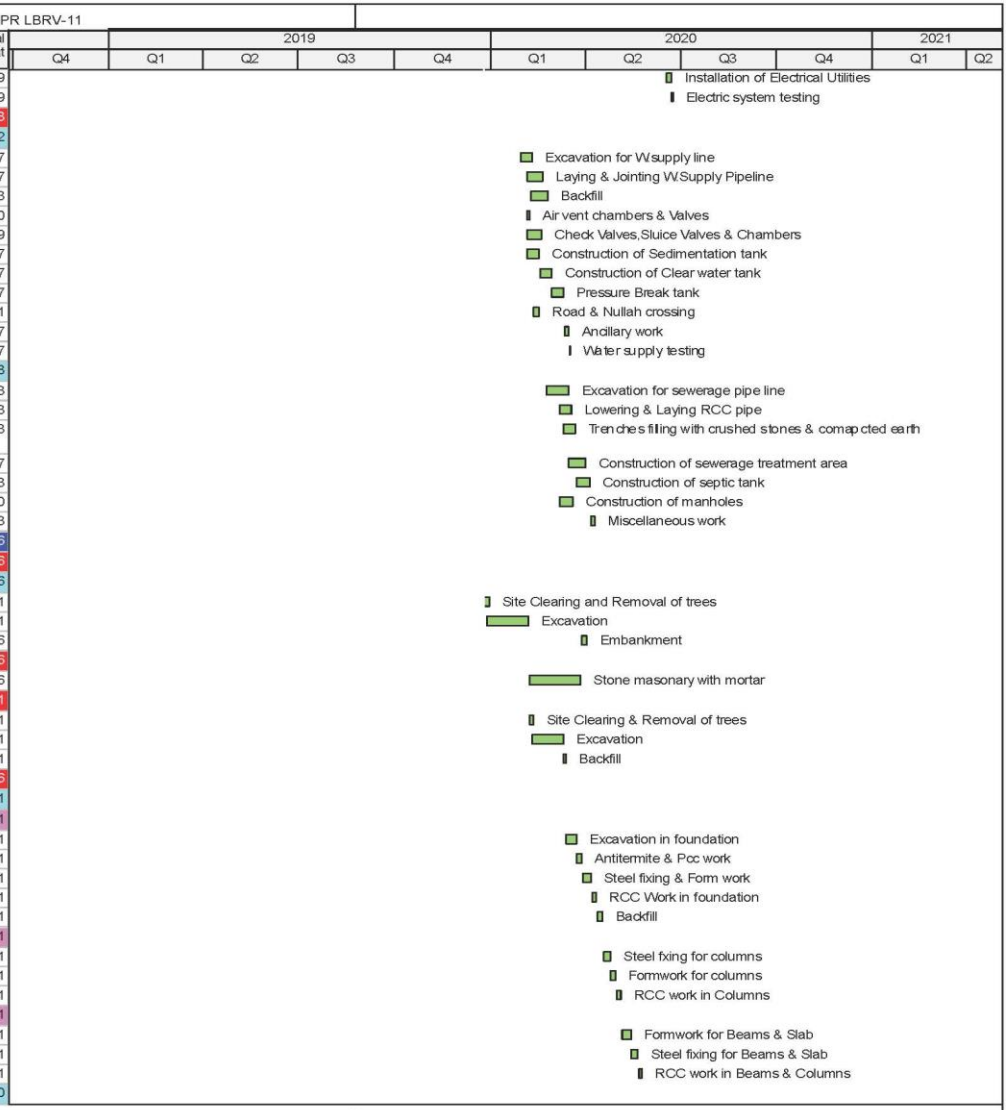
Gantt Chart of Dasu-LBRV-11 (11 of 14)

Figure 20 [12/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
575	UC.1.PP.EL130	Installation of Electrical Utilities	5	18-Jun-2020	22-Jun-2020	0	139
576	UC.1.PP.EL140	Electric system testing	1	23-Jun-2020	23-Jun-2020	17	139
577	External Water Supply & Sewerage		72	30-Jan-2020	10-Apr-2020	0	238
578	Water Supply		48	30-Jan-2020	17-Mar-2020	0	262
579	UC.1.WS100	Excavation for W.supply line	12	30-Jan-2020	10-Feb-2020	0	237
580	UC.1.WS110	Laying & Jointing W.Supply Pipeline	16	05-Feb-2020	20-Feb-2020	0	237
581	UC.1.WS120	Backfill	17	09-Feb-2020	25-Feb-2020	283	283
582	UC.1.WS130	Air vent chambers & Valves	3	05-Feb-2020	07-Feb-2020	33	270
583	UC.1.WS140	Check Valves,Sluice Valves & Chambers	14	05-Feb-2020	18-Feb-2020	22	259
584	UC.1.WS150	Construction of Sedimentation tank	12	05-Feb-2020	16-Feb-2020	0	237
585	UC.1.WS160	Construction of Clear water tank	12	17-Feb-2020	28-Feb-2020	0	237
586	UC.1.WS170	Pressure Break tank	12	29-Feb-2020	11-Mar-2020	0	237
587	UC.1.WS180	Road & Nullah crossing	6	11-Feb-2020	16-Feb-2020	24	261
588	UC.1.WS190	Ancillary work	5	12-Mar-2020	16-Mar-2020	0	237
589	UC.1.WS200	Water supply testing	1	17-Mar-2020	17-Mar-2020	115	237
590	Sewerage System		47	24-Feb-2020	10-Apr-2020	0	238
591	UC.1.SS100	Excavation for sewerage pipe line	21	24-Feb-2020	15-Mar-2020	0	213
592	UC.1.SS110	Lowering & Laying RCC pipe	12	07-Mar-2020	18-Mar-2020	0	213
593	UC.1.SS120	Trenches filling with crushed stones & comapcted earth	12	11-Mar-2020	22-Mar-2020	0	213
594	UC.1.SS130	Construction of sewerage treatment area	17	16-Mar-2020	01-Apr-2020	247	247
595	UC.1.SS140	Construction of septic tank	14	23-Mar-2020	05-Apr-2020	0	213
596	UC.1.SS150	Construction of manholes	13	07-Mar-2020	19-Mar-2020	17	230
597	UC.1.SS160	Miscellaneous work	5	06-Apr-2020	10-Apr-2020	91	213
598	UCHAR-02		229	26-Dec-2019	10-Aug-2020	0	116
599	Permanent Access Road		99	26-Dec-2019	02-Apr-2020	0	96
600	Earth and Allied Works		99	26-Dec-2019	02-Apr-2020	0	96
601	UC.2.PAR100	Site Clearing and Removal of trees	5	26-Dec-2019	30-Dec-2019	0	91
602	UC.2.PAR110	Excavation	40	29-Dec-2019	06-Feb-2020	0	91
603	UC.2.PAR120	Embankment	6	28-Mar-2020	02-Apr-2020	0	96
604	Stone masonary Retaining wall/Breast wall		50	07-Feb-2020	27-Mar-2020	0	96
605	UC.2.RW/BW100	Stone masonary with mortar	50	07-Feb-2020	27-Mar-2020	0	96
606	Land Development		36	07-Feb-2020	13-Mar-2020	0	91
607	UC.2.LD100	Site Clearing & Removal of trees	5	07-Feb-2020	11-Feb-2020	0	91
608	UC.2.LD110	Excavation	30	10-Feb-2020	10-Mar-2020	0	91
609	UC.2.LD120	Backfill	3	11-Mar-2020	13-Mar-2020	0	91
610	Construction of Mosque		150	14-Mar-2020	10-Aug-2020	0	116
611	Structural work		72	14-Mar-2020	24-May-2020	0	91
612	Foundation		35	14-Mar-2020	17-Apr-2020	0	91
613	UC.2.M.STR100	Excavation in foundation	10	14-Mar-2020	23-Mar-2020	0	91
614	UC.2.M.STR110	Antitermite & Pcc work	5	24-Mar-2020	28-Mar-2020	0	91
615	UC.2.M.STR120	Steel fixing & Form work	9	29-Mar-2020	06-Apr-2020	0	91
616	UC.2.M.STR130	RCC Work in foundation	5	07-Apr-2020	11-Apr-2020	0	91
617	UC.2.M.STR200	Backfill	6	12-Apr-2020	17-Apr-2020	0	91
618	GF Vertical Elements		18	18-Apr-2020	05-May-2020	0	91
619	UC.2.M.STR140	Steel fixing for columns	7	18-Apr-2020	24-Apr-2020	0	91
620	UC.2.M.STR150	Formwork for columns	6	25-Apr-2020	30-Apr-2020	0	91
621	UC.2.M.STR160	RCC work in Columns	5	01-May-2020	05-May-2020	0	91
622	GF Horizental Elements		19	06-May-2020	24-May-2020	0	91
623	UC.2.M.STR170	Formwork for Beams & Slab	9	06-May-2020	14-May-2020	0	91
624	UC.2.M.STR180	Steel fixing for Beams & Slab	7	15-May-2020	21-May-2020	0	91
625	UC.2.M.STR190	RCC work in Beams & Columns	3	22-May-2020	24-May-2020	0	91
626	Architectural/Finishes work		64	04-Jun-2020	06-Aug-2020	0	120



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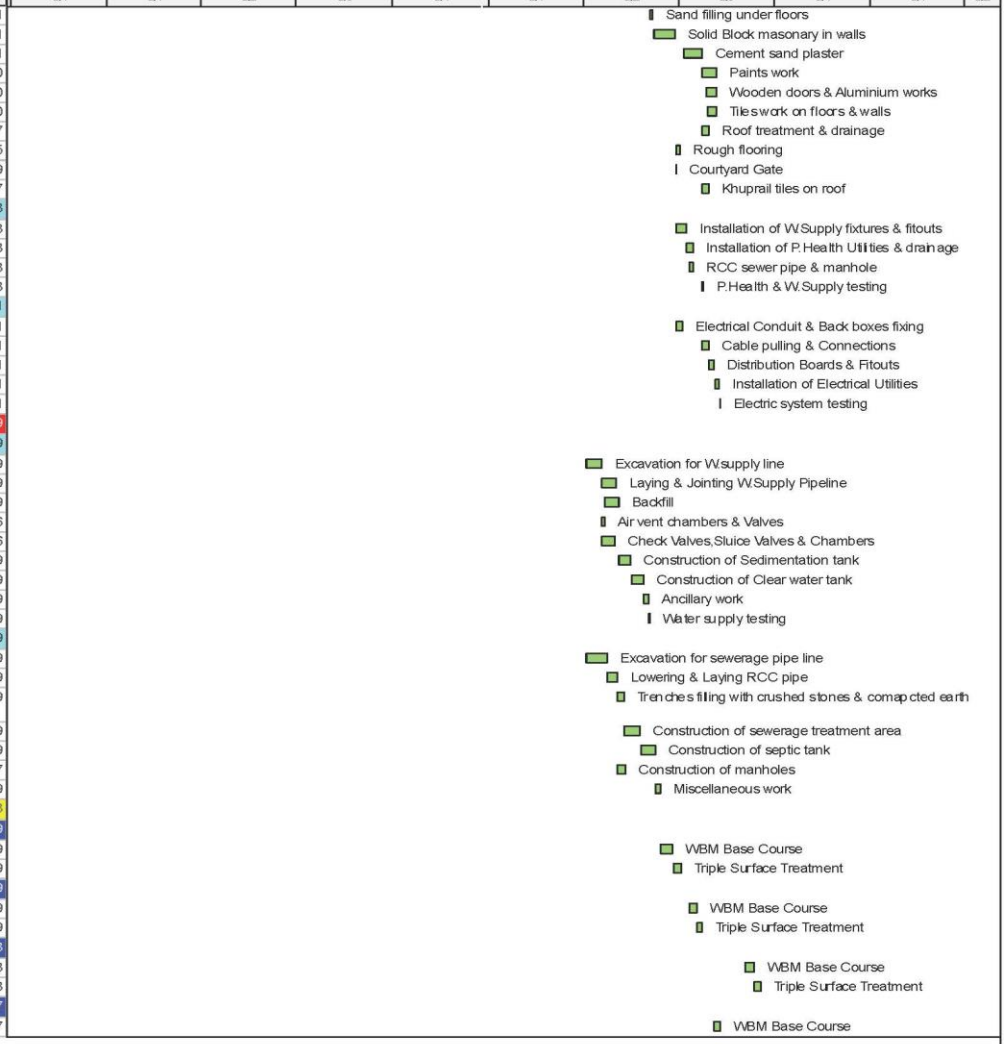
Gantt Chart of Dasu-LBRV-11 (12 of 14)

Figure 20 [13/14]

DASU LBRV-11- EOT-01 | MPR LBRV-11

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
627	UC.2.M.A/F100	Sand filling under floors	3	04-Jun-2020	06-Jun-2020	0	91
628	UC.2.M.A/F110	Solid Block masonary in walls	21	07-Jun-2020	27-Jun-2020	0	91
629	UC.2.M.A/F120	Cement sand plaster	18	06-Jul-2020	23-Jul-2020	0	91
630	UC.2.M.A/F130	Paints work	14	24-Jul-2020	06-Aug-2020	0	120
631	UC.2.M.A/F140	Wooden doors & Aluminium works	11	27-Jul-2020	06-Aug-2020	0	120
632	UC.2.M.A/F150	Tiles work on floors & walls	9	29-Jul-2020	06-Aug-2020	120	120
633	UC.2.M.A/F160	Roof treatment & drainage	7	24-Jul-2020	30-Jul-2020	127	127
634	UC.2.M.A/F170	Rough flooring	5	28-Jun-2020	02-Jul-2020	155	155
635	UC.2.M.A/F180	Courtyard Gate	1	28-Jun-2020	28-Jun-2020	159	159
636	UC.2.M.A/F190	Khuprail tiles on roof	7	24-Jul-2020	30-Jul-2020	127	127
637	**Public Health work**		27	28-Jun-2020	24-Jul-2020	0	133
638	UC.2.M.PH100	Installation of W.Supply fixtures & fitouts	11	28-Jun-2020	08-Jul-2020	0	133
639	UC.2.M.PH110	Installation of P.Health Utilities & drainage	7	09-Jul-2020	15-Jul-2020	0	133
640	UC.2.M.PH120	RCC sewer pipe & manhole	5	11-Jul-2020	15-Jul-2020	0	133
641	UC.2.M.PH130	P.Health & W.Supply testing	1	24-Jul-2020	24-Jul-2020	133	133
642	**Internal Electrification**		44	28-Jun-2020	10-Aug-2020	0	91
643	UC.2.M.EL100	Electrical Conduit & Back boxes fixing	8	28-Jun-2020	05-Jul-2020	0	91
644	UC.2.M.EL110	Cable pulling & Connections	6	24-Jul-2020	29-Jul-2020	0	91
645	UC.2.M.EL120	Distribution Boards & Fitouts	6	30-Jul-2020	04-Aug-2020	0	91
646	UC.2.M.EL130	Installation of Electrical Utilities	5	05-Aug-2020	09-Aug-2020	0	91
647	UC.2.M.EL140	Electric system testing	1	10-Aug-2020	10-Aug-2020	0	91
648	**External Water Supply & Sewerage**		72	03-Apr-2020	13-Jun-2020	0	149
649	**Water Supply**		62	03-Apr-2020	03-Jun-2020	0	159
650	UC.2.WS100	Excavation for W.supply line	16	03-Apr-2020	18-Apr-2020	0	159
651	UC.2.WS110	Laying & Jointing W.Supply Pipeline	14	19-Apr-2020	02-May-2020	0	159
652	UC.2.WS120	Backfill	14	21-Apr-2020	04-May-2020	0	159
653	UC.2.WS130	Air vent chambers & Valves	3	19-Apr-2020	21-Apr-2020	37	196
654	UC.2.WS140	Check Valves,Sluice Valves & Chambers	13	19-Apr-2020	01-May-2020	27	186
655	UC.2.WS150	Construction of Sedimentation tank	12	05-May-2020	16-May-2020	0	159
656	UC.2.WS160	Construction of Clear water tank	12	17-May-2020	28-May-2020	0	159
657	UC.2.WS170	Ancillary work	5	29-May-2020	02-Jun-2020	0	159
658	UC.2.WS180	Water supply testing	1	03-Jun-2020	03-Jun-2020	68	159
659	**Sewerage System**		72	03-Apr-2020	13-Jun-2020	0	149
660	UC.2.SS100	Excavation for sewerage pipe line	21	03-Apr-2020	23-Apr-2020	0	149
661	UC.2.SS110	Lowering & Laying RCC pipe	10	24-Apr-2020	03-May-2020	0	149
662	UC.2.SS120	Trenches filling with crushed stones & comapcted earth	6	04-May-2020	09-May-2020	0	149
663	UC.2.SS130	Construction of sewerage treatment area	16	10-May-2020	25-May-2020	0	149
664	UC.2.SS140	Construction of septic tank	14	26-May-2020	08-Jun-2020	0	149
665	UC.2.SS150	Construction of manholes	8	04-May-2020	11-May-2020	28	177
666	UC.2.SS160	Miscellaneous work	5	09-Jun-2020	13-Jun-2020	58	149
667	**Base Course & Surface Course**		96	14-Jun-2020	17-Sep-2020	0	53
668	**Khoshe-01**		20	14-Jun-2020	03-Jul-2020	0	129
669	KH.1.BC&SC100	WBM Base Course	12	14-Jun-2020	25-Jun-2020	0	129
670	KH.1.BC&SC110	Triple Surface Treatment	8	26-Jun-2020	03-Jul-2020	72	129
671	**Khoshe-02**		13	11-Jul-2020	23-Jul-2020	0	109
672	KH.2.BC&SC120	WBM Base Course	8	11-Jul-2020	18-Jul-2020	0	109
673	KH.2.BC&SC130	Triple Surface Treatment	5	19-Jul-2020	23-Jul-2020	0	109
674	**Logro-1**		15	03-Sep-2020	17-Sep-2020	0	53
675	LG.1.BC&SC140	WBM Base Course	9	03-Sep-2020	11-Sep-2020	0	53
676	LG.1.BC&SC150	Triple Surface Treatment	6	12-Sep-2020	17-Sep-2020	53	53
677	**Logro-02**		11	04-Aug-2020	14-Aug-2020	0	87
678	LG.2.BC&SC160	WBM Base Course	7	04-Aug-2020	10-Aug-2020	0	87



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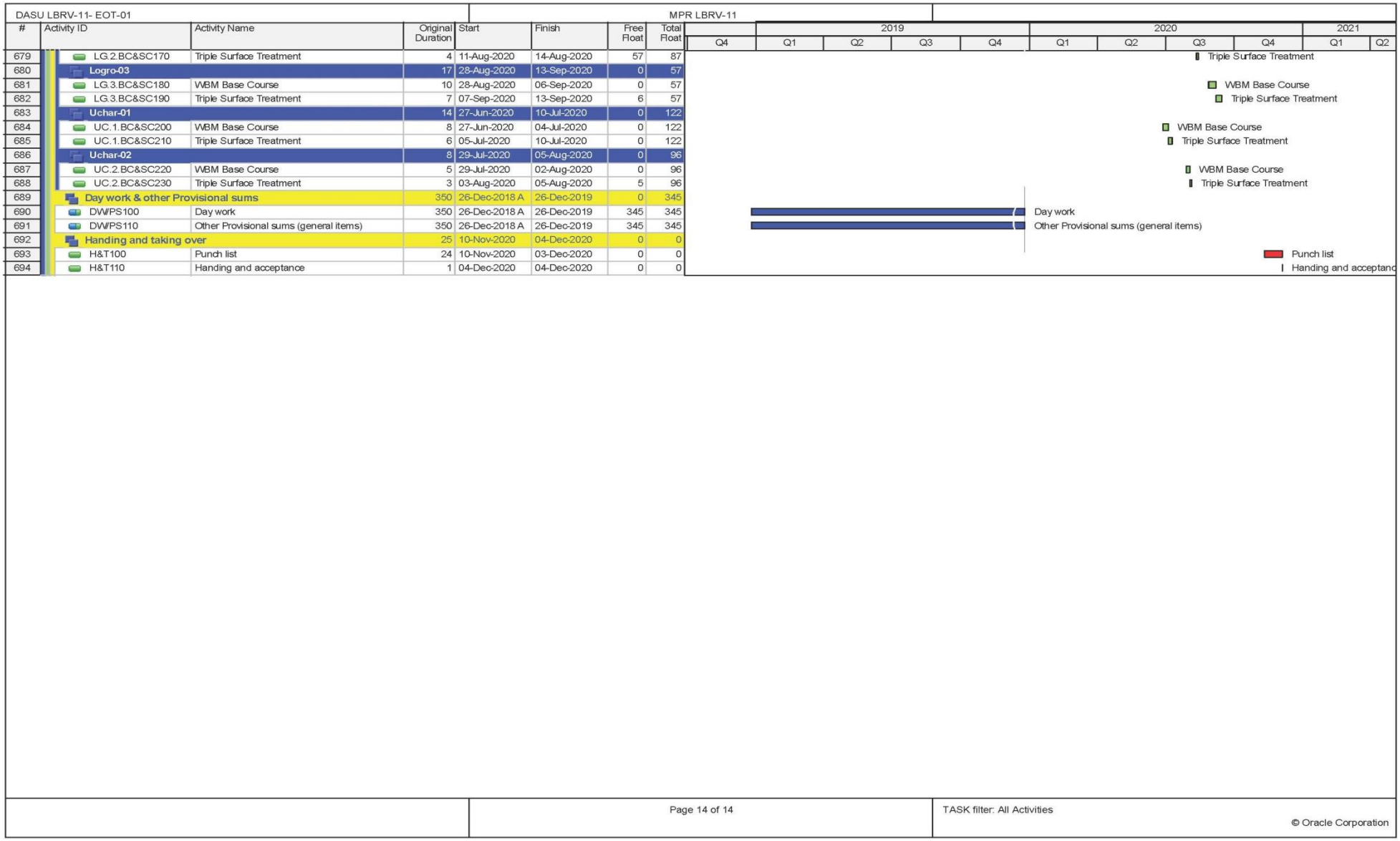
Gantt Chart of Dasu-LBRV-11 (13 of 14)

Figure 20 [14/14]



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
679	LG.2.BC&SC170	Triple Surface Treatment	4	11-Aug-2020	14-Aug-2020	57	87
680	**Logro-03**		17	28-Aug-2020	13-Sep-2020	0	57
681	LG.3.BC&SC180	WBM Base Course	10	28-Aug-2020	06-Sep-2020	0	57
682	LG.3.BC&SC190	Triple Surface Treatment	7	07-Sep-2020	13-Sep-2020	6	57
683	**Uchar-01**		14	27-Jun-2020	10-Jul-2020	0	122
684	UC.1.BC&SC200	WBM Base Course	8	27-Jun-2020	04-Jul-2020	0	122
685	UC.1.BC&SC210	Triple Surface Treatment	6	05-Jul-2020	10-Jul-2020	0	122
686	**Uchar-02**		8	29-Jul-2020	05-Aug-2020	0	96
687	UC.2.BC&SC220	WBM Base Course	5	29-Jul-2020	02-Aug-2020	0	96
688	UC.2.BC&SC230	Triple Surface Treatment	3	03-Aug-2020	05-Aug-2020	5	96
689	**Day work & other Provisional sums**		350	26-Dec-2018 A	26-Dec-2019	0	345
690	DW/PS100	Day work	350	26-Dec-2018 A	26-Dec-2019	345	345
691	DW/PS110	Other Provisional sums (general items)	350	26-Dec-2018 A	26-Dec-2019	345	345
692	**Handing and taking over**		25	10-Nov-2020	04-Dec-2020	0	0
693	H&T100	Punch list	24	10-Nov-2020	03-Dec-2020	0	0
694	H&T110	Handing and acceptance	1	04-Dec-2020	04-Dec-2020	0	0

Gantt Chart of Dasu-LBRV-11 (14 of 14)

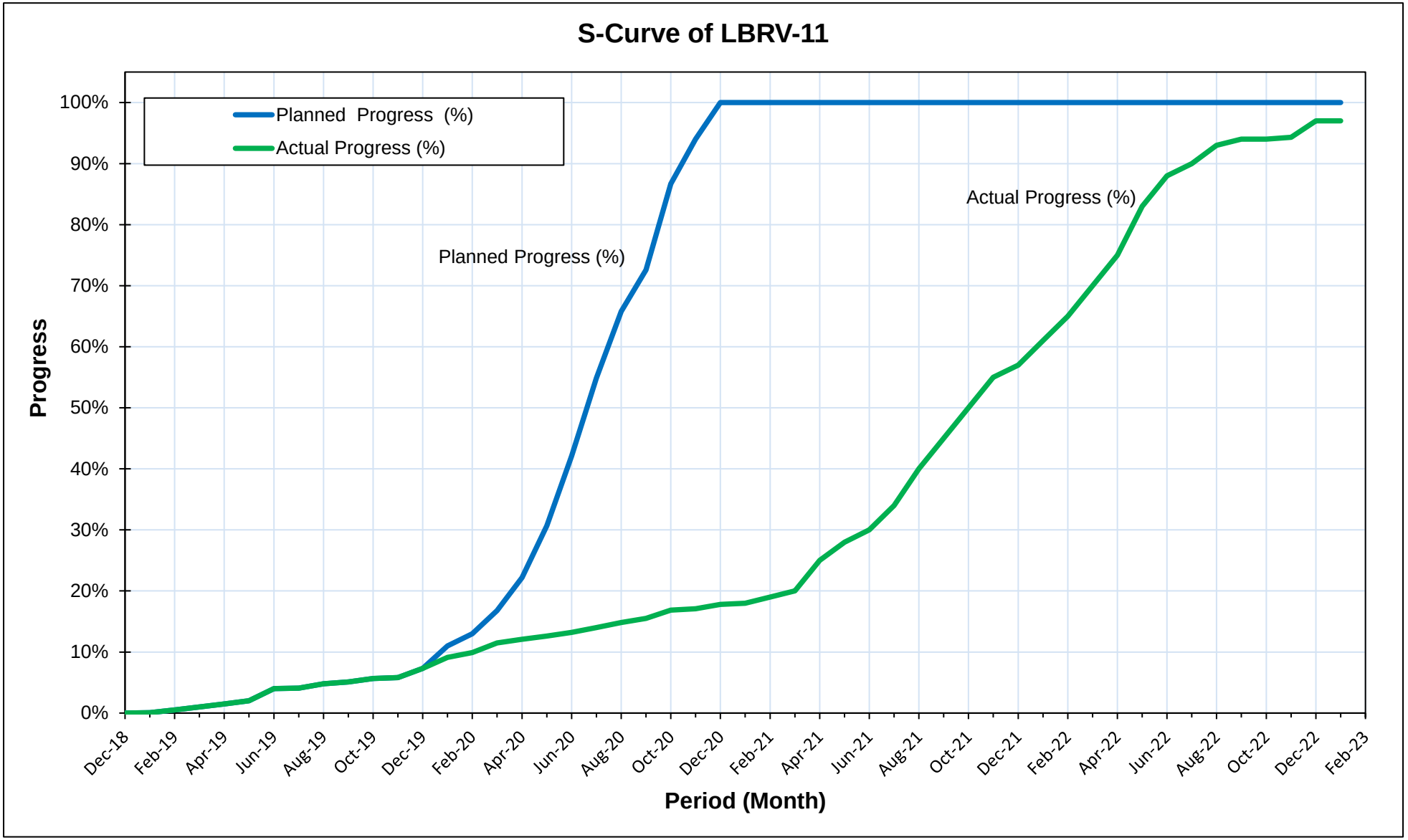


Figure 21: S-Curve for LBRV-11

DASU LBRV-12- EOT-01 | MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
1	DASU LBRV-12- EOT-01		683	26-Dec-2018 A	07-Nov-2020	0	0
2	PS&F100	Project Start	0	26-Dec-2018 A			
3	PS&F110	Project Finish	0		07-Nov-2020	0	0
4	Project Milestones		669	26-Dec-2018 A	24-Oct-2020	0	0
5	Conractual Milestones		0	26-Dec-2018 A	26-Dec-2018 A	0	
6	PM100	Notice to Commence	0	26-Dec-2018 A			
7	Pre Construction Milestones		365	26-Dec-2018 A	26-Dec-2019	0	19
8	PM160	Posession of Site Nasirabad-1	0	26-Dec-2018 A			
9	PM170	Posession of Site Nasirabad-2	0	26-Dec-2018 A			
10	PM180	Posession of Site Kaigah-1	0	26-Dec-2019		0	19
11	PM190	Posession of Site Kaigah-2	0	26-Dec-2019		0	0
12	PM210	Possession of Site Barseen-1	0	26-Dec-2019		0	19
13	Project Control Milestones		47	07-Sep-2020	24-Oct-2020	0	0
14	PM120	Nasirabad Site-1 finish	0		24-Sep-2020	30	30
15	PM130	Nasirabad Site-2 finish	0		07-Sep-2020	47	47
16	PM140	Kaigah Site-1 finish	0		05-Oct-2020	19	19
17	PM150	Kaigah Site-2 finish	0		24-Oct-2020	0	0
18	PM200	Barseen Site-1 finish	0		05-Oct-2020	19	19
19	General Mobilization		28	26-Dec-2018 A	22-Jan-2019 A	0	
20	GM100	Key Staff Mobilization & Arrangement of Residence	21	26-Dec-2018 A	15-Jan-2019 A		
21	GM110	Arrangement of Site Offices	19	26-Dec-2018 A	13-Jan-2019 A		
22	GM120	Labour Residence	19	26-Dec-2018 A	13-Jan-2019 A		
23	GM130	Man power Mobilization	21	26-Dec-2018 A	15-Jan-2019 A		
24	GM140	Workshop & Machinery Yard	17	26-Dec-2018 A	11-Jan-2019 A		
25	GM150	Facilities for Police & Security Forces	28	26-Dec-2018 A	22-Jan-2019 A		
26	GM160	Provision of Laboraritary & Geotechnical Investigation	21	26-Dec-2018 A	15-Jan-2019 A		
27	GM170	Provision of magazine building	18	26-Dec-2018 A	12-Jan-2019 A		
28	Engineer facilities		356	26-Dec-2018 A	26-Dec-2019	0	318
29	EF100	Arrangement of office Accommodation	21	26-Dec-2018 A	15-Jan-2019 A		
30	EF110	Maintaining Engineer office	335	16-Jan-2019 A	26-Dec-2019	318	318
31	Methodology and Management		33	30-Dec-2018 A	31-Jan-2019 A	0	
32	M&M100	Methodology for Excavation works	28	30-Dec-2018 A	26-Jan-2019 A		
33	M&M110	Methodology for Concrete works	28	31-Dec-2018 A	27-Jan-2019 A		
34	M&M120	Methodology for Backfilling	28	01-Jan-2019 A	28-Jan-2019 A		
35	M&M130	QA/QC Manual	28	02-Jan-2019 A	29-Jan-2019 A		
36	M&M140	Contractor's Environmental Management Action Plan (CEMAP)	28	04-Jan-2019 A	31-Jan-2019 A		
37	Issued For Construction Drawings		357	03-Jan-2019 A	26-Dec-2019	0	19
38	IFCD100	IFC Drawings Nasirabad Site-1	0	03-Jan-2019 A			
39	IFCD110	IFC Drawings Nasirabad Site-2	0	03-Jan-2019 A			
40	IFCD120	IFC Drawings Kaigah Site-1	0	26-Dec-2019		0	19
41	IFCD130	IFC Drawings Kaigah Site-2	0	26-Dec-2019		0	0
42	IFCD140	IFC Drawings Barseen Site-1	0	26-Dec-2019		0	19
43	Resettelment Villages (BARSEEN, NASIRABAD & I		683	26-Dec-2018 A	07-Nov-2020	0	0
44	Barseen		285	26-Dec-2019	05-Oct-2020	0	33
45	Barseen-01		285	26-Dec-2019	05-Oct-2020	0	33
46	Permanent Access Road		233	26-Dec-2019	14-Aug-2020	0	30
47	B.1.TAR100	Construction of Temporary Access Road	20	26-Dec-2019	14-Jan-2020	0	19

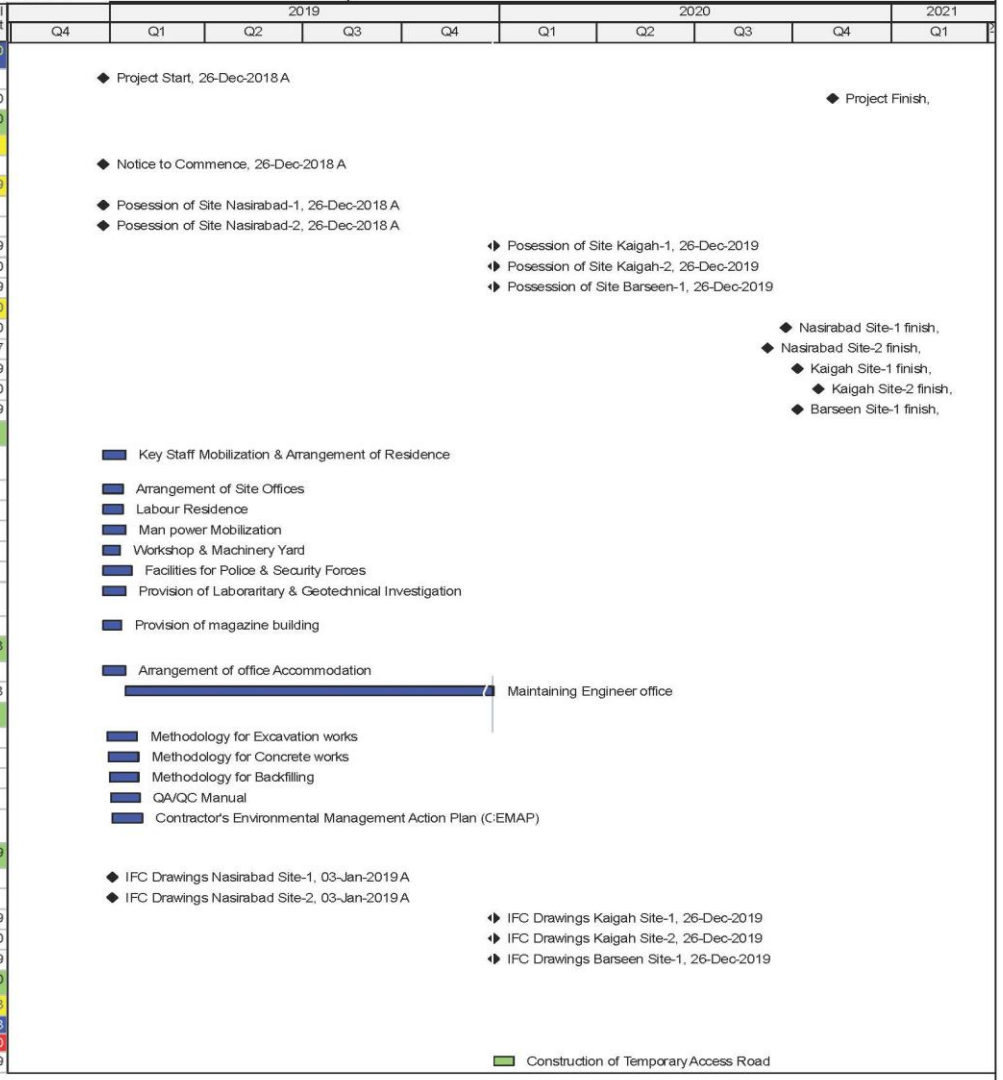


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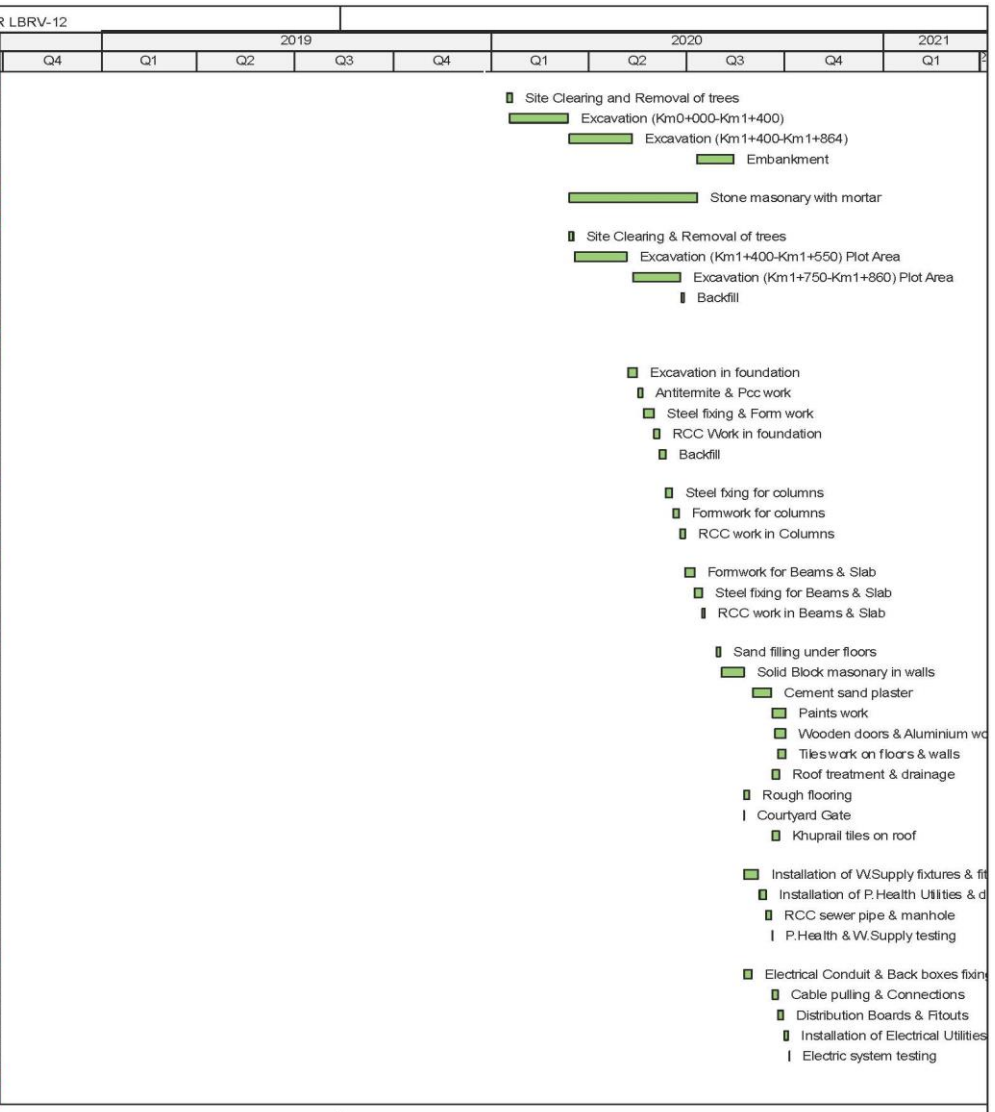
Figure 22: Gantt Chart of Dasu-LBRV-12 (1 of 10)

Figure 22 [2/10]

DASU LBRV-12- EOT-01 | MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
48		Earth and Allied Works	213	15-Jan-2020	14-Aug-2020	0	30
49	B.1.PAR100	Site Clearing and Removal of trees	5	15-Jan-2020	19-Jan-2020	0	19
50	B.1.PAR110	Excavation (Km0+000-Km1+400)	55	18-Jan-2020	12-Mar-2020	0	19
51	B.1.PAR120	Excavation (Km1+400-Km1+864)	60	13-Mar-2020	11-May-2020	0	90
52	B.1.PAR130	Embankment	35	11-Jul-2020	14-Aug-2020	0	30
53		Stone masonary Retaining wall/Breast wall	120	13-Mar-2020	10-Jul-2020	0	30
54	B.1.RW/BW100	Stone masonary with mortar	120	13-Mar-2020	10-Jul-2020	0	30
55		Land Development	108	13-Mar-2020	28-Jun-2020	0	90
56	B.1.LD100	Site Clearing & Removal of trees	5	13-Mar-2020	17-Mar-2020	0	19
57	B.1.LD110	Excavation (Km1+400-Km1+550) Plot Area	50	18-Mar-2020	06-May-2020	0	19
58	B.1.LD120	Excavation (Km1+750-Km1+860) Plot Area	45	12-May-2020	25-Jun-2020	0	90
59	B.1.LD130	Backfill	3	26-Jun-2020	28-Jun-2020	0	90
60		Construction of Mosque	152	07-May-2020	05-Oct-2020	0	33
61		Structural work	73	07-May-2020	18-Jul-2020	0	19
62		Foundation	36	07-May-2020	11-Jun-2020	0	19
63	B.1.M.STR100	Excavation in foundation	10	07-May-2020	16-May-2020	0	19
64	B.1.M.STR110	Antitermite & Pcc work	5	17-May-2020	21-May-2020	0	19
65	B.1.M.STR120	Steel fixing & Form work	10	22-May-2020	31-May-2020	0	19
66	B.1.M.STR130	RCC Work in foundation	5	01-Jun-2020	05-Jun-2020	0	19
67	B.1.M.STR200	Backfill	6	06-Jun-2020	11-Jun-2020	0	19
68		GF Vertical Elements	18	12-Jun-2020	29-Jun-2020	0	19
69	B.1.M.STR140	Steel fxing for columns	7	12-Jun-2020	18-Jun-2020	0	19
70	B.1.M.STR150	Formwork for columns	6	19-Jun-2020	24-Jun-2020	0	19
71	B.1.M.STR160	RCC work in Columns	5	25-Jun-2020	29-Jun-2020	0	19
72		GF Horizental Elements	19	30-Jun-2020	18-Jul-2020	0	19
73	B.1.M.STR170	Formwork for Beams & Slab	9	30-Jun-2020	08-Jul-2020	0	19
74	B.1.M.STR180	Steel fixing for Beams & Slab	7	09-Jul-2020	15-Jul-2020	0	19
75	B.1.M.STR190	RCC work in Beams & Slab	3	16-Jul-2020	18-Jul-2020	0	19
76		Architectural/Finishes work	66	29-Jul-2020	02-Oct-2020	0	36
77	B.1.M.A/F100	Sand filling under floors	5	29-Jul-2020	02-Aug-2020	0	19
78	B.1.M.A/F110	Solid Block masonary in walls	21	03-Aug-2020	23-Aug-2020	0	19
79	B.1.M.A/F120	Cement sand plaster	18	01-Sep-2020	18-Sep-2020	0	19
80	B.1.M.A/F130	Paints work	14	19-Sep-2020	02-Oct-2020	0	36
81	B.1.M.A/F140	Wooden doors & Aluminium works	11	22-Sep-2020	02-Oct-2020	36	36
82	B.1.M.A/F150	Tiles work on floors & walls	9	24-Sep-2020	02-Oct-2020	36	36
83	B.1.M.A/F160	Roof treatment & drainage	7	19-Sep-2020	25-Sep-2020	43	43
84	B.1.M.A/F170	Rough flooring	5	24-Aug-2020	28-Aug-2020	71	71
85	B.1.M.A/F180	Courtyard Gate	1	24-Aug-2020	24-Aug-2020	75	75
86	B.1.M.A/F190	Khuprail tiles on roof	7	19-Sep-2020	25-Sep-2020	43	43
87		Public Health work	27	24-Aug-2020	19-Sep-2020	0	35
88	B.1.M.PH100	Installation of W.Supply fixtures & fitouts	14	24-Aug-2020	06-Sep-2020	0	35
89	B.1.M.PH110	Installation of P.Health Utilities & drainage	7	07-Sep-2020	13-Sep-2020	0	35
90	B.1.M.PH120	RCC sewer pipe & manhole	5	14-Sep-2020	18-Sep-2020	0	35
91	B.1.M.PH130	P.Health & W.Supply testing	1	19-Sep-2020	19-Sep-2020	16	35
92		Internal Electrification	43	24-Aug-2020	05-Oct-2020	0	19
93	B.1.M.ELE100	Electrical Conduit & Back boxes fixing	8	24-Aug-2020	31-Aug-2020	0	19
94	B.1.M.ELE110	Cable pulling & Connections	6	19-Sep-2020	24-Sep-2020	0	19
95	B.1.M.ELE120	Distribution Boards & Fitouts	5	25-Sep-2020	29-Sep-2020	0	19
96	B.1.M.ELE130	Installation of Electrical Utilities	5	30-Sep-2020	04-Oct-2020	0	19
97	B.1.M.ELE140	Electric system testing	1	05-Oct-2020	05-Oct-2020	0	19
98		External Water Supply & Sewerage	88	29-Jun-2020	24-Sep-2020	0	44
99		Water Supply	32	29-Jun-2020	30-Jul-2020	0	100



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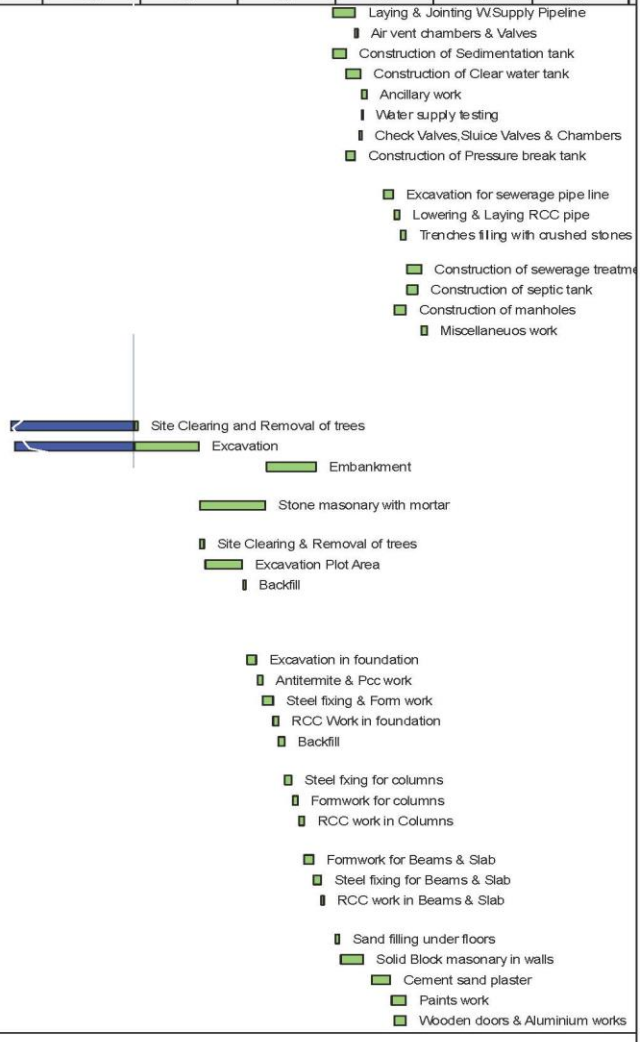
Gantt Chart of Dasu-LBRV-12 (2 of 10)

Figure 22 [3/10]

DASU LBRV-12- EOT-01 — MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
100	B.1.WS100	Laying & Jointing W.Supply Pipeline	21	29-Jun-2020	19-Jul-2020	0	90
101	B.1.WS110	Air vent chambers & Valves	3	20-Jul-2020	22-Jul-2020	0	90
102	B.1.WS120	Construction of Sedimentation tank	12	29-Jun-2020	10-Jul-2020	0	96
103	B.1.WS130	Construction of Clear water tank	14	11-Jul-2020	24-Jul-2020	0	96
104	B.1.WS140	Ancillary work	5	26-Jul-2020	30-Jul-2020	100	100
105	B.1.WS150	Water supply testing	1	26-Jul-2020	26-Jul-2020	71	90
106	B.1.WS160	Check Valves,Sluice Valves & Chambers	3	23-Jul-2020	25-Jul-2020	0	90
107	B.1.WS170	Construction of Pressure break tank	9	11-Jul-2020	19-Jul-2020	6	96
108	Sewerage System		41	15-Aug-2020	24-Sep-2020	0	30
109	B.1.SS100	Excavation for sewerage pipe line	10	15-Aug-2020	24-Aug-2020	0	30
110	B.1.SS110	Lowering & Laying RCC pipe	6	25-Aug-2020	30-Aug-2020	0	30
111	B.1.SS120	Trenches filling with crushed stones & comapcted earth	6	31-Aug-2020	05-Sep-2020	0	30
112	B.1.SS130	Construction of sewerage treatment area	14	06-Sep-2020	19-Sep-2020	0	30
113	B.1.SS140	Construction of septic tank	10	06-Sep-2020	15-Sep-2020	4	34
114	B.1.SS150	Construction of manholes	12	25-Aug-2020	05-Sep-2020	14	44
115	B.1.SS160	Miscellaneuos work	5	20-Sep-2020	24-Sep-2020	0	30
116	Naseerabad		547	11-Mar-2019 A	07-Sep-2020	0	61
117	Naseerabad-01		372	02-Sep-2019 A	07-Sep-2020	0	61
118	Permanent Access Road		286	02-Sep-2019 A	13-Jun-2020	0	47
119	Earth and Allied Works		286	02-Sep-2019 A	13-Jun-2020	0	47
120	N.1.PAR100	Site Clearing and Removal of trees	5	02-Sep-2019 A	29-Dec-2019	0	47
121	N.1.PAR110	Excavation	75	05-Sep-2019 A	24-Feb-2020	0	47
122	N.1.PAR120	Embankment	48	27-Apr-2020	13-Jun-2020	0	47
123	Stone masonary Retaining wall/Breast wall		62	25-Feb-2020	26-Apr-2020	0	47
124	N.1.RW/BW100	Stone masonary with mortar	62	25-Feb-2020	26-Apr-2020	0	47
125	Land Development		44	25-Feb-2020	08-Apr-2020	0	47
126	N.1.LD100	Site Clearing & Removal of trees	5	25-Feb-2020	29-Feb-2020	0	47
127	N.1.LD110	Excavation Plot Area	35	01-Mar-2020	04-Apr-2020	0	47
128	N.1.LD120	Backfill	3	06-Apr-2020	08-Apr-2020	0	47
129	Construction of Mosque		152	09-Apr-2020	07-Sep-2020	0	61
130	Structural work		73	09-Apr-2020	20-Jun-2020	0	47
131	Foundation		36	09-Apr-2020	14-May-2020	0	47
132	N.1.M.STR100	Excavation in foundation	10	09-Apr-2020	18-Apr-2020	0	47
133	N.1.M.STR110	Antitermite & Pcc work	5	19-Apr-2020	23-Apr-2020	0	47
134	N.1.M.STR120	Steel fixing & Form work	10	24-Apr-2020	03-May-2020	0	47
135	N.1.M.STR130	RCC Work in foundation	5	04-May-2020	08-May-2020	0	47
136	N.1.M.STR200	Backfill	6	09-May-2020	14-May-2020	0	47
137	GF Vertical Elements		18	15-May-2020	01-Jun-2020	0	47
138	N.1.M.STR140	Steel fxing for columns	7	15-May-2020	21-May-2020	0	47
139	N.1.M.STR150	Formwork for columns	6	22-May-2020	27-May-2020	0	47
140	N.1.M.STR160	RCC work in Columns	5	28-May-2020	01-Jun-2020	0	47
141	GF Horizental Elements		19	02-Jun-2020	20-Jun-2020	0	47
142	N.1.M.STR170	Formwork for Beams & Slab	9	02-Jun-2020	10-Jun-2020	0	47
143	N.1.M.STR180	Steel fixing for Beams & Slab	7	11-Jun-2020	17-Jun-2020	0	47
144	N.1.M.STR190	RCC work in Beams & Slab	3	18-Jun-2020	20-Jun-2020	0	47
145	Architectural/Finishes work		66	01-Jul-2020	04-Sep-2020	0	64
146	N.1.M.A/F100	Sand filling under floors	5	01-Jul-2020	05-Jul-2020	0	47
147	N.1.M.A/F110	Solid Block masonary in walls	21	06-Jul-2020	26-Jul-2020	0	47
148	N.1.M.A/F120	Cement sand plaster	18	04-Aug-2020	21-Aug-2020	0	47
149	N.1.M.A/F130	Paints work	14	22-Aug-2020	04-Sep-2020	0	64
150	N.1.M.A/F140	Wooden doors & Aluminium works	11	25-Aug-2020	04-Sep-2020	64	64



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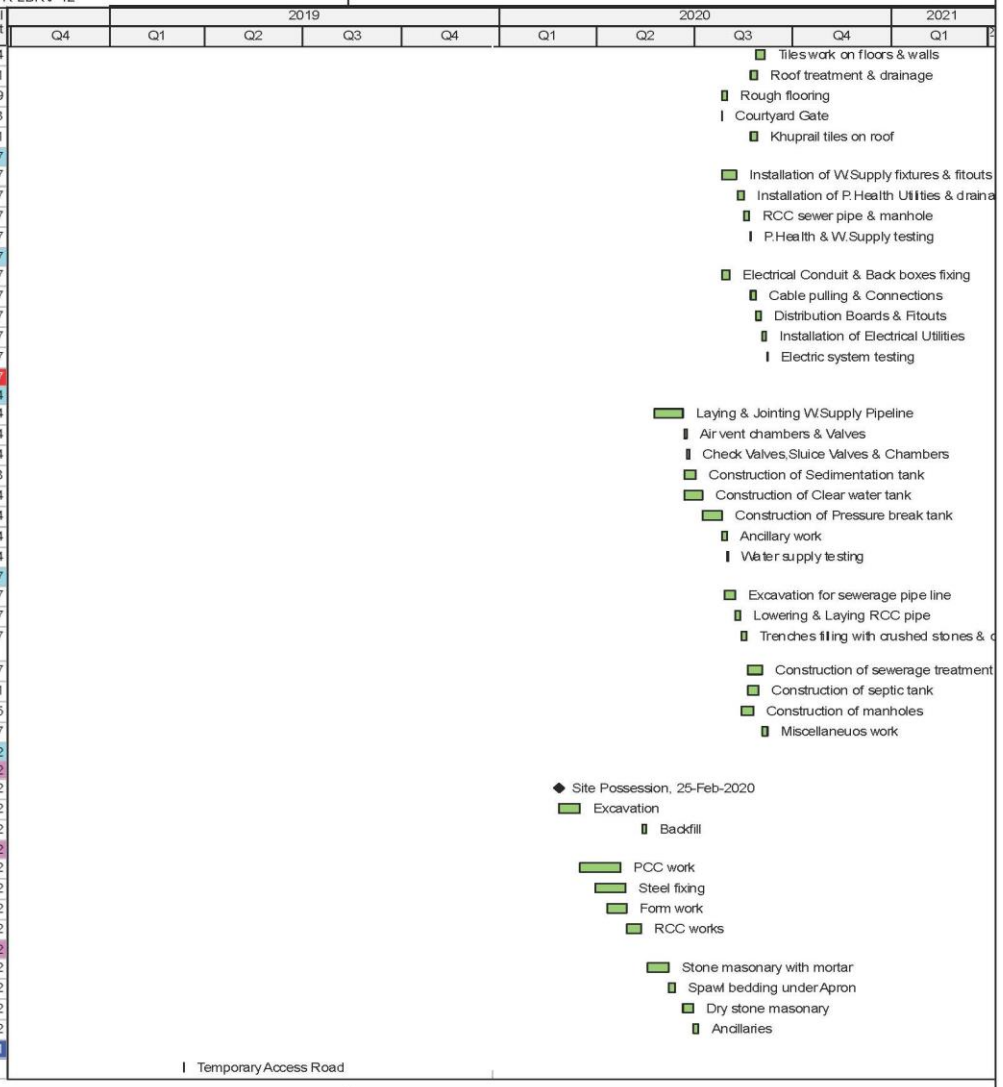
Gantt Chart of Dasu-LBRV-12 (3 of 10)

Figure 22 [4/10]

DASU LBRV-12- EOT-01 | MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
151	N.1.M.A/F150	Tiles work on floors & walls	9	27-Aug-2020	04-Sep-2020	64	64
152	N.1.M.A/F160	Roof treatment & drainage	7	22-Aug-2020	28-Aug-2020	71	71
153	N.1.M.A/F170	Rough flooring	5	27-Jul-2020	31-Jul-2020	99	99
154	N.1.M.A/F180	Courtyard Gate	1	27-Jul-2020	27-Jul-2020	103	103
155	N.1.M.A/F190	Khuprail tiles on roof	7	22-Aug-2020	28-Aug-2020	71	71
156	**Public Health work**		27	27-Jul-2020	22-Aug-2020	0	77
157	N.1.M.PH100	Installation of W.Supply fixtures & fitouts	14	27-Jul-2020	09-Aug-2020	0	77
158	N.1.M.PH110	Installation of P.Health Utilities & drainage	7	10-Aug-2020	16-Aug-2020	0	77
159	N.1.M.PH120	RCC sewer pipe & manhole	5	17-Aug-2020	21-Aug-2020	0	77
160	N.1.M.PH130	P.Health & W.Supply testing	1	22-Aug-2020	22-Aug-2020	77	77
161	**Internal Electrification**		43	27-Jul-2020	07-Sep-2020	0	47
162	N.1.M.ELE100	Electrical Conduit & Back boxes fixing	8	27-Jul-2020	03-Aug-2020	0	47
163	N.1.M.ELE110	Cable pulling & Connections	6	22-Aug-2020	27-Aug-2020	0	47
164	N.1.M.ELE120	Distribution Boards & Fitouts	5	28-Aug-2020	01-Sep-2020	0	47
165	N.1.M.ELE130	Installation of Electrical Utilities	5	02-Sep-2020	06-Sep-2020	0	47
166	N.1.M.ELE140	Electric system testing	1	07-Sep-2020	07-Sep-2020	17	47
167	**External Water Supply & Sewerage**		196	25-Feb-2020	07-Sep-2020	0	47
168	**Water Supply**		70	24-May-2020	01-Aug-2020	0	84
169	N.1.WS100	Laying & Jointing W.Supply Pipeline	28	24-May-2020	20-Jun-2020	0	84
170	N.1.WS110	Air vent chambers & Valves	3	21-Jun-2020	23-Jun-2020	0	114
171	N.1.WS120	Check Valves,Sluice Valves & Chambers	3	24-Jun-2020	26-Jun-2020	30	114
172	N.1.WS130	Construction of Sedimentation tank	12	21-Jun-2020	02-Jul-2020	24	108
173	N.1.WS140	Construction of Clear water tank	18	21-Jun-2020	08-Jul-2020	0	84
174	N.1.WS150	Construction of Pressure break tank	18	09-Jul-2020	26-Jul-2020	0	84
175	N.1.WS160	Ancillary work	5	27-Jul-2020	31-Jul-2020	0	84
176	N.1.WS170	Water supply testing	1	01-Aug-2020	01-Aug-2020	54	84
177	**Sewerage System**		41	29-Jul-2020	07-Sep-2020	0	47
178	N.1.SS100	Excavation for sewerage pipe line	10	29-Jul-2020	07-Aug-2020	0	47
179	N.1.SS110	Lowering & Laying RCC pipe	6	08-Aug-2020	13-Aug-2020	0	47
180	N.1.SS120	Trenches filling with crushed stones & comapcted earth	6	14-Aug-2020	19-Aug-2020	0	47
181	N.1.SS130	Construction of sewerage treatment area	14	20-Aug-2020	02-Sep-2020	0	47
182	N.1.SS140	Construction of septic tank	10	20-Aug-2020	29-Aug-2020	4	51
183	N.1.SS150	Construction of manholes	12	14-Aug-2020	25-Aug-2020	8	55
184	N.1.SS220	Miscellaneuos work	5	03-Sep-2020	07-Sep-2020	17	47
185	**Construction of Tyrolean weir**		131	25-Feb-2020	04-Jul-2020	0	112
186	**Earth works**		83	25-Feb-2020	17-May-2020	0	112
187	N.1.TW090	Site Possession	0	25-Feb-2020		0	112
188	N.1.TW100	Excavation	20	25-Feb-2020	15-Mar-2020	0	112
189	N.1.TW110	Backfill	5	13-May-2020	17-May-2020	0	112
190	**Concrete works**		58	16-Mar-2020	12-May-2020	0	112
191	N.1.TW120	PCC work	38	16-Mar-2020	23-Apr-2020	0	112
192	N.1.TW130	Steel fixing	28	31-Mar-2020	27-Apr-2020	0	112
193	N.1.TW140	Form work	19	10-Apr-2020	28-Apr-2020	0	112
194	N.1.TW150	RCC works	14	29-Apr-2020	12-May-2020	0	112
195	**Misc. Works**		48	18-May-2020	04-Jul-2020	0	112
196	N.1.TW160	Stone masonary with mortar	20	18-May-2020	06-Jun-2020	0	112
197	N.1.TW170	Spawl bedding under Apron	6	07-Jun-2020	12-Jun-2020	0	112
198	N.1.TW180	Dry stone masonary	10	20-Jun-2020	29-Jun-2020	0	112
199	N.1.TW190	Ancillaries	5	30-Jun-2020	04-Jul-2020	82	112
200	**Naseerabad-02**		547	11-Mar-2019 A	07-Sep-2020	0	61
201	A1010	Temporary Access Road	0	11-Mar-2019 A	11-Mar-2019 A		



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Gantt Chart of Dasu-LBRV-12 (4 of 10)

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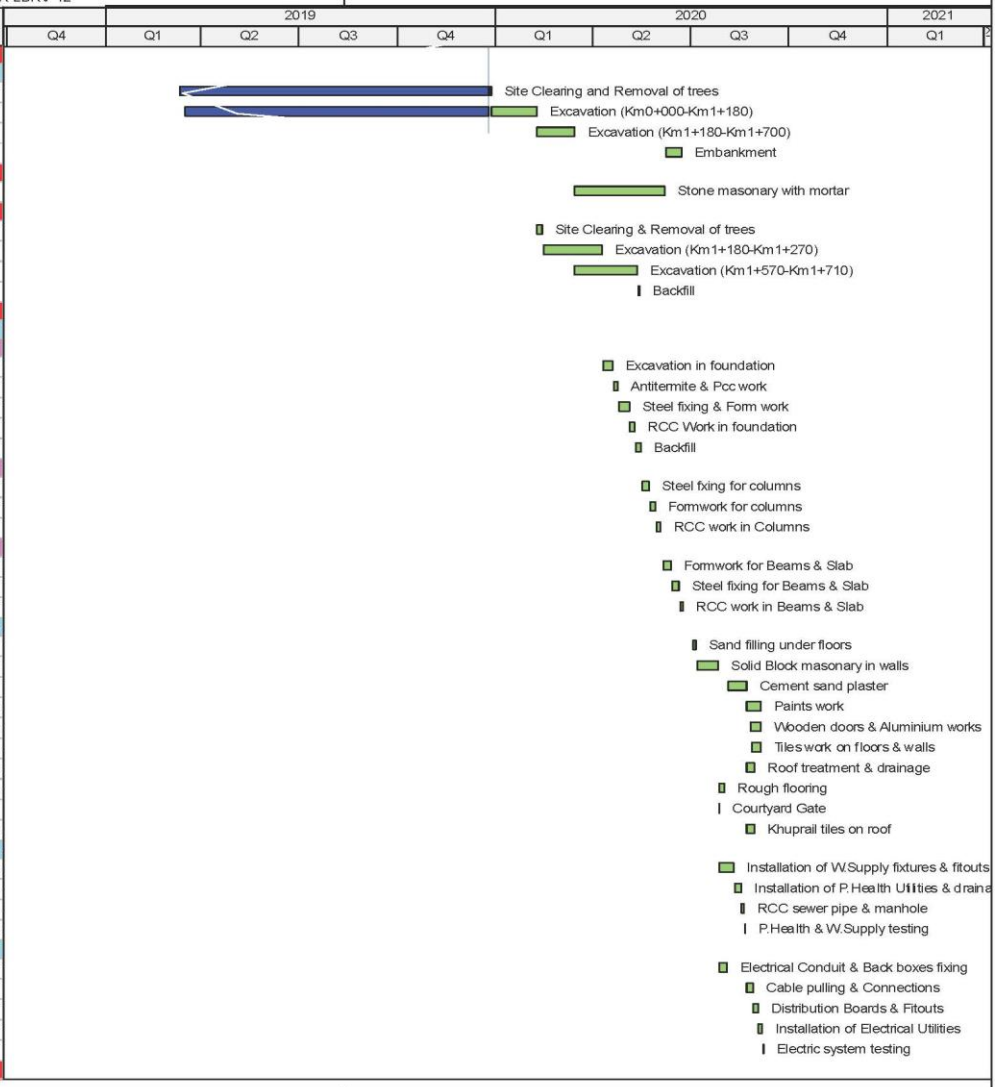
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
202		Permanent Access Road	470	11-Mar-2019 A	22-Jun-2020	0	109
203		Earth and Allied Works	470	11-Mar-2019 A	22-Jun-2020	0	109
204	N.2.PAR100	Site Clearing and Removal of trees	5	11-Mar-2019 A	27-Dec-2019	0	47
205	N.2.PAR110	Excavation (Km0+000-Km1+180)	95	16-Mar-2019 A	08-Feb-2020	0	47
206	N.2.PAR120	Excavation (Km1+180-Km1+700)	35	09-Feb-2020	14-Mar-2020	0	91
207	N.2.PAR130	Embankment	15	08-Jun-2020	22-Jun-2020	0	109
208		Stone masonary Retaining wall/Breast wall	85	15-Mar-2020	07-Jun-2020	0	109
209	N.2.RW/BW100	Stone masonary with mortar	85	15-Mar-2020	07-Jun-2020	0	109
210		Land Development	96	09-Feb-2020	14-May-2020	0	91
211	N.2.LD100	Site Clearing & Removal of trees	5	09-Feb-2020	13-Feb-2020	0	47
212	N.2.LD110	Excavation (Km1+180-Km1+270)	56	14-Feb-2020	09-Apr-2020	0	47
213	N.2.LD120	Excavation (Km1+570-Km1+710)	59	15-Mar-2020	12-May-2020	0	91
214	N.2.LD130	Backfill	2	13-May-2020	14-May-2020	0	91
215		Construction of Mosque	151	10-Apr-2020	07-Sep-2020	0	61
216		Structural work	75	10-Apr-2020	23-Jun-2020	0	47
217		Foundation	37	10-Apr-2020	16-May-2020	0	47
218	N.2.M.STR100	Excavation in foundation	10	10-Apr-2020	19-Apr-2020	0	47
219	N.2.M.STR110	Antitermite & Pcc work	5	20-Apr-2020	24-Apr-2020	0	47
220	N.2.M.STR120	Steel fixing & Form work	10	25-Apr-2020	04-May-2020	0	47
221	N.2.M.STR130	RCC Work in foundation	5	05-May-2020	09-May-2020	0	47
222	N.2.M.STR200	Backfill	6	11-May-2020	16-May-2020	0	47
223		GF Vertical Elements	18	17-May-2020	03-Jun-2020	0	47
224	N.2.M.STR140	Steel fxing for columns	7	17-May-2020	23-May-2020	0	47
225	N.2.M.STR150	Formwork for columns	6	24-May-2020	29-May-2020	0	47
226	N.2.M.STR160	RCC work in Columns	5	30-May-2020	03-Jun-2020	0	47
227		GF Horizental Elements	19	05-Jun-2020	23-Jun-2020	0	47
228	N.2.M.STR170	Formwork for Beams & Slab	9	05-Jun-2020	13-Jun-2020	0	47
229	N.2.M.STR180	Steel fixing for Beams & Slab	7	14-Jun-2020	20-Jun-2020	0	47
230	N.2.M.STR190	RCC work in Beams & Slab	3	21-Jun-2020	23-Jun-2020	0	47
231		Architectural/Finishes work	64	04-Jul-2020	05-Sep-2020	0	63
232	N.2.M.A/F100	Sand filling under floors	3	04-Jul-2020	06-Jul-2020	0	47
233	N.2.M.A/F110	Solid Block masonary in walls	21	07-Jul-2020	27-Jul-2020	0	47
234	N.2.M.A/F120	Cement sand plaster	18	05-Aug-2020	22-Aug-2020	0	47
235	N.2.M.A/F130	Paints work	14	23-Aug-2020	05-Sep-2020	0	63
236	N.2.M.A/F140	Wooden doors & Aluminium works	11	26-Aug-2020	05-Sep-2020	63	63
237	N.2.M.A/F150	Tiles work on floors & walls	9	28-Aug-2020	05-Sep-2020	63	63
238	N.2.M.A/F160	Roof treatment & drainage	7	23-Aug-2020	29-Aug-2020	70	70
239	N.2.M.A/F170	Rough flooring	5	28-Jul-2020	01-Aug-2020	98	98
240	N.2.M.A/F180	Courtyard Gate	1	28-Jul-2020	28-Jul-2020	102	102
241	N.2.M.A/F190	Khuprail tiles on roof	7	23-Aug-2020	29-Aug-2020	70	70
242		Public Health work	25	28-Jul-2020	21-Aug-2020	0	78
243	N.2.M.PH100	Installation of W.Supply fixtures & fitouts	14	28-Jul-2020	10-Aug-2020	0	78
244	N.2.M.PH110	Installation of P.Health Utilities & drainage	7	11-Aug-2020	17-Aug-2020	0	78
245	N.2.M.PH120	RCC sewer pipe & manhole	3	18-Aug-2020	20-Aug-2020	0	78
246	N.2.M.PH130	P.Health & W.Supply testing	1	21-Aug-2020	21-Aug-2020	78	78
247		Internal Electrification	42	28-Jul-2020	07-Sep-2020	0	47
248	N.2.M.ELE100	Electrical Conduit & Back boxes fixing	8	28-Jul-2020	04-Aug-2020	0	47
249	N.2.M.ELE110	Cable pulling & Connections	6	23-Aug-2020	28-Aug-2020	0	47
250	N.2.M.ELE120	Distribution Boards & Fitouts	5	29-Aug-2020	02-Sep-2020	0	47
251	N.2.M.ELE130	Installation of Electrical Utilities	4	03-Sep-2020	06-Sep-2020	0	47
252	N.2.M.ELE140	Electric system testing	1	07-Sep-2020	07-Sep-2020	0	47
253		External Water Supply & Sewerage	72	15-May-2020	26-Jul-2020	0	91



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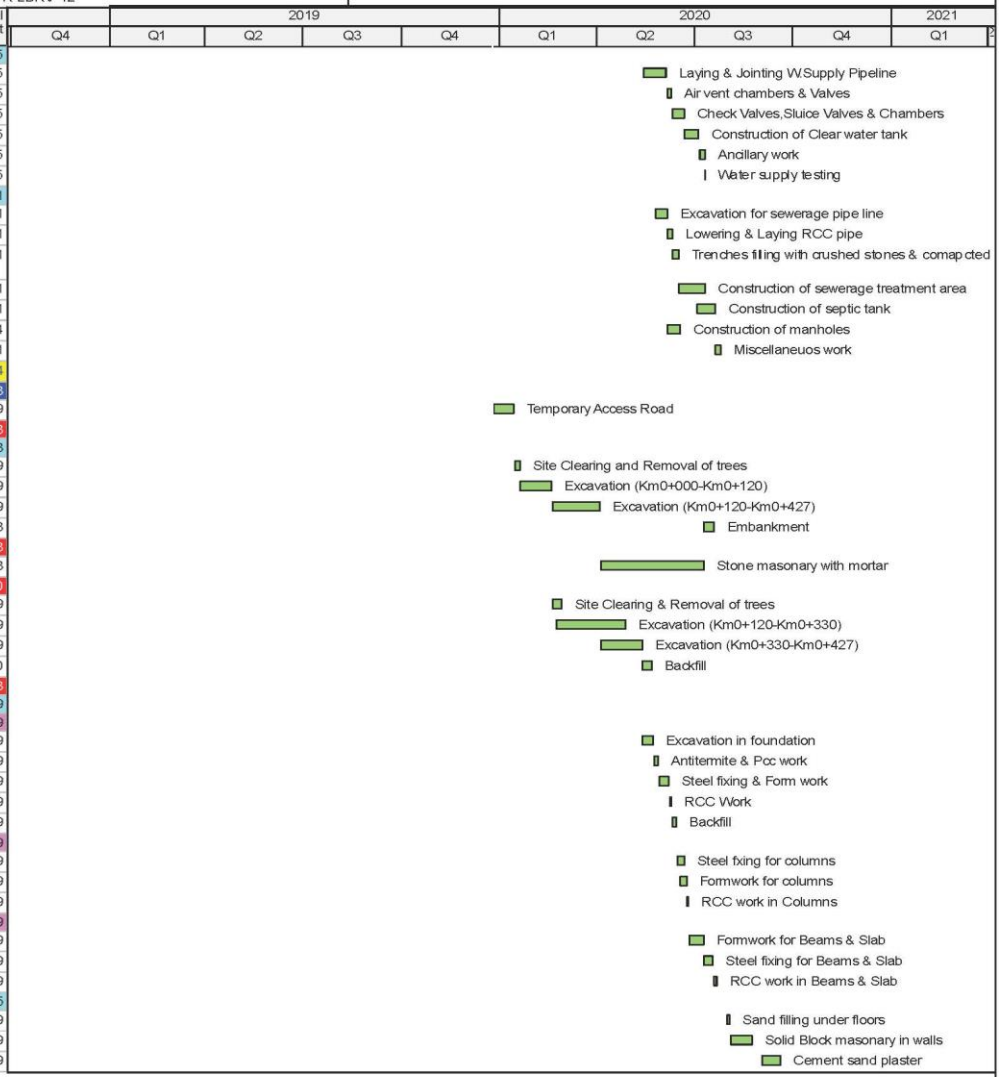
Gantt Chart of Dasu-LBRV-12 (5 of 10)

Figure 22 [6/10]

DASU LBRV-12- EOT-01 | MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
254		Water Supply	58	15-May-2020	11-Jul-2020	0	105
255	N.2.WS100	Laying & Jointing W.Supply Pipeline	21	15-May-2020	04-Jun-2020	0	105
256	N.2.WS110	Air vent chambers & Valves	5	05-Jun-2020	09-Jun-2020	0	105
257	N.2.WS120	Check Valves,Sluice Valves & Chambers	12	10-Jun-2020	21-Jun-2020	0	105
258	N.2.WS130	Construction of Clear water tank	14	22-Jun-2020	05-Jul-2020	0	105
259	N.2.WS140	Ancillary work	5	06-Jul-2020	10-Jul-2020	0	105
260	N.2.WS150	Water supply testing	1	11-Jul-2020	11-Jul-2020	58	105
261		Sewerage System	62	25-May-2020	26-Jul-2020	0	91
262	N.2.SS100	Excavation for sewerage pipe line	11	25-May-2020	05-Jun-2020	0	91
263	N.2.SS110	Lowering & Laying RCC pipe	5	05-Jun-2020	10-Jun-2020	0	91
264	N.2.SS120	Trenches filling with crushed stones & comapcted earth	6	10-Jun-2020	16-Jun-2020	0	91
265	N.2.SS130	Construction of sewerage treatment area	26	16-Jun-2020	11-Jul-2020	0	91
266	N.2.SS140	Construction of septic tank	18	03-Jul-2020	21-Jul-2020	0	91
267	N.2.SS150	Construction of manholes	13	05-Jun-2020	18-Jun-2020	33	124
268	N.2.SS160	Miscellaneuos work	5	21-Jul-2020	26-Jul-2020	44	91
269	Kaigah		304	26-Dec-2019	24-Oct-2020	0	14
270	Kaigah 1 (Khalot)		285	26-Dec-2019	05-Oct-2020	0	33
271	A1020	Temporary Access Road	20	26-Dec-2019	14-Jan-2020	0	19
272	Permanent Access Road		186	15-Jan-2020	19-Jul-2020	0	83
273	Earth and Allied Works		186	15-Jan-2020	19-Jul-2020	0	83
274	K.1.PAR100	Site Clearing and Removal of trees	5	15-Jan-2020	19-Jan-2020	0	19
275	K.1.PAR110	Excavation (Km0+000-Km0+120)	30	20-Jan-2020	18-Feb-2020	0	19
276	K.1.PAR120	Excavation (Km0+120-Km0+427)	45	19-Feb-2020	03-Apr-2020	0	19
277	K.1.PAR130	Embankment	10	09-Jul-2020	19-Jul-2020	0	83
278	Stone masonary Retaining wall/Breast wall		96	04-Apr-2020	09-Jul-2020	0	83
279	K.1.RW/BW100	Stone masonary with mortar	96	04-Apr-2020	09-Jul-2020	0	83
280	Land Development		94	19-Feb-2020	22-May-2020	0	100
281	K.1.LD100	Site Clearing & Removal of trees	10	19-Feb-2020	28-Feb-2020	0	19
282	K.1.LD110	Excavation (Km0+120-Km0+330)	65	23-Feb-2020	27-Apr-2020	0	19
283	K.1.LD120	Excavation (Km0+330-Km0+427)	40	04-Apr-2020	13-May-2020	0	19
284	K.1.LD130	Backfill	9	14-May-2020	22-May-2020	0	100
285	Construction of Mosque		145	14-May-2020	05-Oct-2020	0	33
286	Structural work		69	14-May-2020	21-Jul-2020	0	19
287	Foundation		32	14-May-2020	14-Jun-2020	0	19
288	K.1.M.STR100	Excavation in foundation	10	14-May-2020	23-May-2020	0	19
289	K.1.M.STR110	Antitermite & Pcc work	5	24-May-2020	28-May-2020	0	19
290	K.1.M.STR120	Steel fixing & Form work	10	29-May-2020	07-Jun-2020	0	19
291	K.1.M.STR130	RCC Work	2	08-Jun-2020	09-Jun-2020	0	19
292	K.1.M.STR140	Backfill	5	10-Jun-2020	14-Jun-2020	0	19
293	GF Vertical Elements		11	15-Jun-2020	25-Jun-2020	0	19
294	K.1.M.STR150	Steel fxing for columns	7	15-Jun-2020	21-Jun-2020	0	19
295	K.1.M.STR160	Formwork for columns	6	18-Jun-2020	23-Jun-2020	0	19
296	K.1.M.STR170	RCC work in Columns	2	24-Jun-2020	25-Jun-2020	0	19
297	GF Horizental Elements		26	26-Jun-2020	21-Jul-2020	0	19
298	K.1.M.STR180	Formwork for Beams & Slab	14	26-Jun-2020	09-Jul-2020	0	19
299	K.1.M.STR190	Steel fixing for Beams & Slab	9	10-Jul-2020	18-Jul-2020	0	19
300	K.1.M.STR200	RCC work in Beams & Slab	3	19-Jul-2020	21-Jul-2020	0	19
301	Architectural/Finishes work		64	01-Aug-2020	03-Oct-2020	0	35
302	K.1.M.A/F100	Sand filling under floors	3	01-Aug-2020	03-Aug-2020	0	19
303	K.1.M.A/F110	Solid Block masonary in walls	21	04-Aug-2020	24-Aug-2020	0	19
304	K.1.M.A/F120	Cement sand plaster	18	02-Sep-2020	19-Sep-2020	0	19



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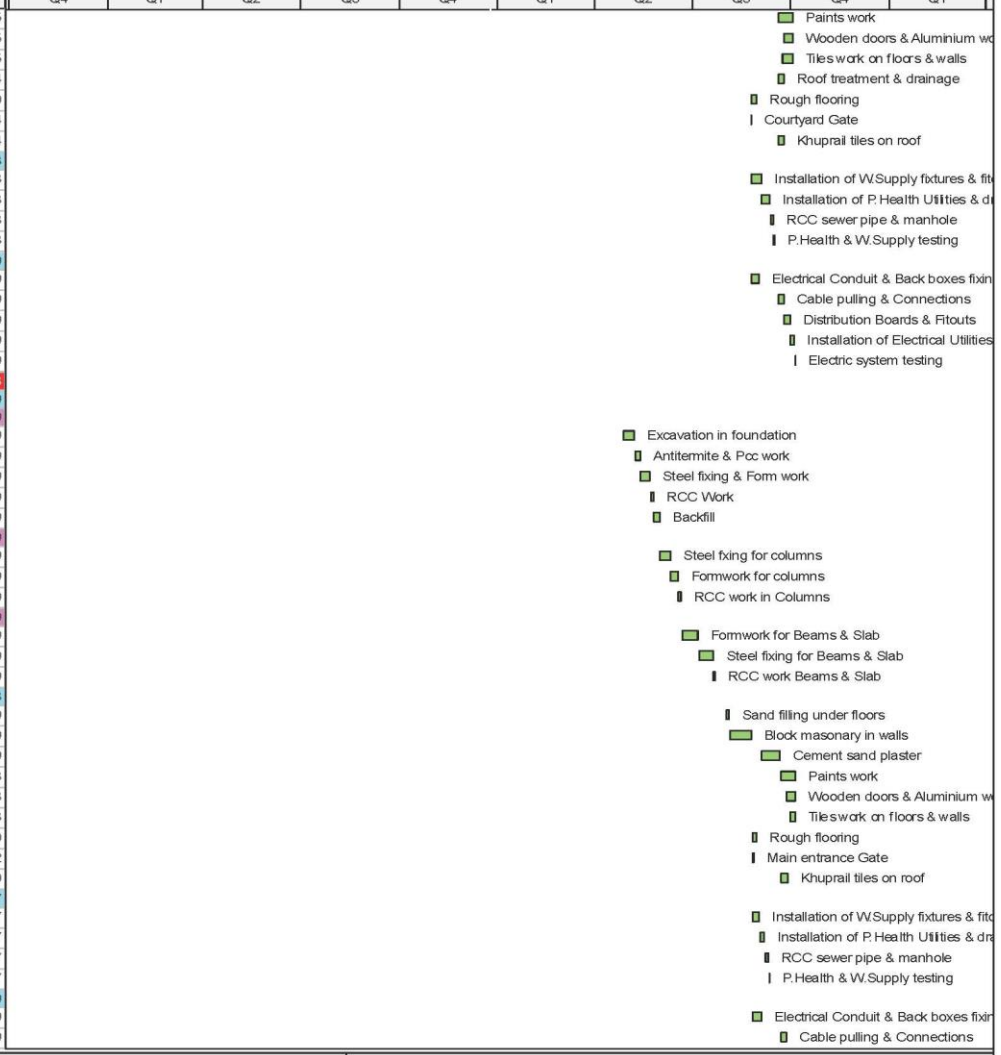
Gantt Chart of Dasu-LBRV-12 (6 of 10)

Figure 22 [7/10]

DASU LBRV-12- EOT-01 | MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
305	K.1.M.A/F130	Paints work	14	20-Sep-2020	03-Oct-2020	0	35
306	K.1.M.A/F140	Wooden doors & Aluminium works	9	25-Sep-2020	03-Oct-2020	0	35
307	K.1.M.A/F150	Tiles work on floors & walls	11	23-Sep-2020	03-Oct-2020	35	35
308	K.1.M.A/F160	Roof treatment & drainage	5	20-Sep-2020	24-Sep-2020	44	44
309	K.1.M.A/F170	Rough flooring	5	25-Aug-2020	29-Aug-2020	70	70
310	K.1.M.A/F180	Courtyard Gate	1	25-Aug-2020	25-Aug-2020	74	74
311	K.1.M.A/F190	Khuprail tiles on roof	5	20-Sep-2020	24-Sep-2020	44	44
312	**Public Health work**		22	25-Aug-2020	15-Sep-2020	0	53
313	K.1.M.PH100	Installation of W.Supply fixtures & fitouts	10	25-Aug-2020	03-Sep-2020	0	53
314	K.1.M.PH110	Installation of P.Health Utilities & drainage	8	04-Sep-2020	11-Sep-2020	0	53
315	K.1.M.PH120	RCC sewer pipe & manhole	3	12-Sep-2020	14-Sep-2020	0	53
316	K.1.M.PH130	P.Health & W.Supply testing	1	15-Sep-2020	15-Sep-2020	53	53
317	**Internal Electrification**		42	25-Aug-2020	05-Oct-2020	0	19
318	K.1.M.ELE100	Electrical Conduit & Back boxes fixing	8	25-Aug-2020	01-Sep-2020	0	19
319	K.1.M.ELE110	Cable pulling & Connections	5	20-Sep-2020	24-Sep-2020	0	19
320	K.1.M.ELE120	Distribution Boards & Fitouts	6	25-Sep-2020	30-Sep-2020	0	19
321	K.1.M.ELE130	Installation of Electrical Utilities	4	01-Oct-2020	04-Oct-2020	0	19
322	K.1.M.ELE140	Electric system testing	1	05-Oct-2020	05-Oct-2020	0	19
323	**Construction of Primary/Middle School**		161	28-Apr-2020	05-Oct-2020	0	33
324	**Structural work**		86	28-Apr-2020	22-Jul-2020	0	19
325	**Foundation**		34	28-Apr-2020	31-May-2020	0	19
326	K.1.PS.STR100	Excavation in foundation	10	28-Apr-2020	07-May-2020	0	19
327	K.1.PS.STR110	Antitermite & Pcc work	6	08-May-2020	13-May-2020	0	19
328	K.1.PS.STR120	Steel fixing & Form work	9	14-May-2020	22-May-2020	0	19
329	K.1.PS.STR130	RCC Work	3	23-May-2020	25-May-2020	0	19
330	K.1.PS.STR140	Backfill	6	26-May-2020	31-May-2020	0	19
331	**GF Vertical Elements**		20	01-Jun-2020	20-Jun-2020	0	19
332	K.1.PS.STR150	Steel fxing for columns	10	01-Jun-2020	10-Jun-2020	0	19
333	K.1.PS.STR160	Formwork for columns	7	11-Jun-2020	17-Jun-2020	0	19
334	K.1.PS.STR170	RCC work in Columns	3	18-Jun-2020	20-Jun-2020	0	19
335	**GF Horizental Elements**		32	21-Jun-2020	22-Jul-2020	0	19
336	K.1.PS.STR180	Formwork for Beams & Slab	16	21-Jun-2020	06-Jul-2020	0	19
337	K.1.PS.STR190	Steel fixing for Beams & Slab	14	07-Jul-2020	20-Jul-2020	0	19
338	K.1.PS.STR200	RCC work Beams & Slab	2	21-Jul-2020	22-Jul-2020	0	19
339	**Architectural/Finishes work**		65	02-Aug-2020	05-Oct-2020	0	33
340	K.1.PS.A/F100	Sand filling under floors	3	02-Aug-2020	04-Aug-2020	0	19
341	K.1.PS.A/F110	Block masonary in walls	21	05-Aug-2020	25-Aug-2020	0	19
342	K.1.PS.A/F120	Cement sand plaster	18	04-Sep-2020	21-Sep-2020	0	19
343	K.1.PS.A/F130	Paints work	14	22-Sep-2020	05-Oct-2020	0	33
344	K.1.PS.A/F140	Wooden doors & Aluminium works	9	27-Sep-2020	05-Oct-2020	0	33
345	K.1.PS.A/F150	Tiles work on floors & walls	6	30-Sep-2020	05-Oct-2020	33	33
346	K.1.PS.A/F160	Rough flooring	4	26-Aug-2020	29-Aug-2020	70	70
347	K.1.PS.A/F170	Main entrance Gate	2	26-Aug-2020	27-Aug-2020	72	72
348	K.1.PS.A/F180	Khuprail tiles on roof	7	22-Sep-2020	28-Sep-2020	40	40
349	**Public Health work**		17	26-Aug-2020	11-Sep-2020	0	57
350	K.1.PS.PH100	Installation of W.Supply fixtures & fitouts	7	26-Aug-2020	01-Sep-2020	0	57
351	K.1.PS.PH110	Installation of P.Health Utilities & drainage	5	02-Sep-2020	06-Sep-2020	0	57
352	K.1.PS.PH120	RCC sewer pipe & manhole	4	07-Sep-2020	10-Sep-2020	0	57
353	K.1.PS.PH130	P.Health & W.Supply testing	1	11-Sep-2020	11-Sep-2020	57	57
354	**Internal Electrification**		41	26-Aug-2020	05-Oct-2020	0	19
355	K.1.PS.ELE100	Electrical Conduit & Back boxes fixing	9	26-Aug-2020	03-Sep-2020	0	19
356	K.1.PS.ELE110	Cable pulling & Connections	5	22-Sep-2020	26-Sep-2020	0	19



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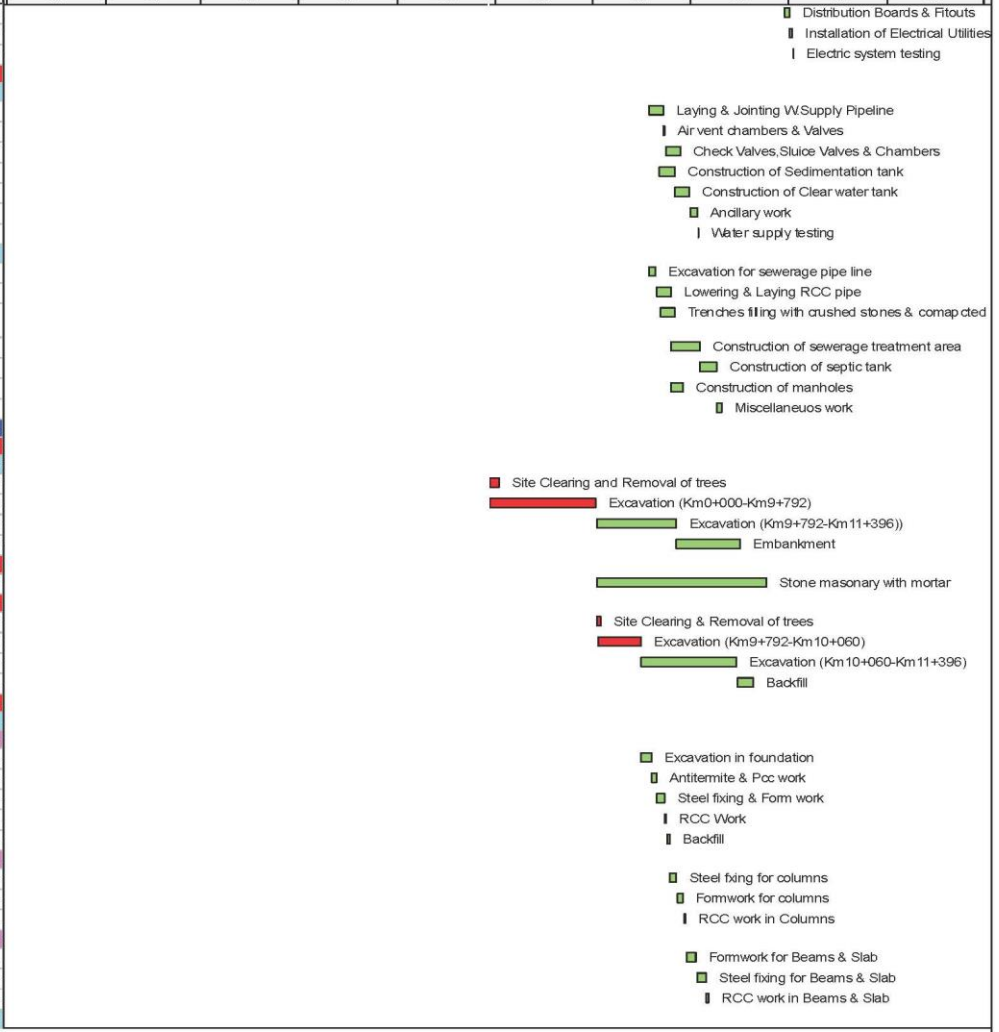
Gantt Chart of Dasu-LBRV-12 (7 of 10)

Figure 22 [8/10]

DASU LBRV-12- EOT-01 | MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
357	K.1.PS.ELE120	Distribution Boards & Fitouts	5	27-Sep-2020	01-Oct-2020	0	19
358	K.1.PS.ELE130	Installation of Electrical Utilities	3	02-Oct-2020	04-Oct-2020	0	19
359	K.1.PS.ELE140	Electric system testing	1	05-Oct-2020	05-Oct-2020	0	19
360	External Water Supply & Sewerage		69	23-May-2020	30-Jul-2020	0	100
361	Water Supply		47	23-May-2020	08-Jul-2020	0	108
362	K.1.WS100	Laying & Jointing W.Supply Pipeline	14	23-May-2020	05-Jun-2020	0	108
363	K.1.WS110	Air vent chambers & Valves	2	06-Jun-2020	07-Jun-2020	0	117
364	K.1.WS120	Check Valves,Sluice Valves & Chambers	14	08-Jun-2020	21-Jun-2020	9	117
365	K.1.WS130	Construction of Sedimentation tank	15	02-Jun-2020	16-Jun-2020	0	108
366	K.1.WS140	Construction of Clear water tank	14	17-Jun-2020	30-Jun-2020	0	108
367	K.1.WS150	Ancillary work	7	01-Jul-2020	07-Jul-2020	0	108
368	K.1.WS160	Water supply testing	1	08-Jul-2020	08-Jul-2020	89	108
369	Sewerage System		69	23-May-2020	30-Jul-2020	0	100
370	K.1.SS100	Excavation for sewerage pipe line	7	23-May-2020	29-May-2020	0	100
371	K.1.SS110	Lowering & Laying RCC pipe	14	30-May-2020	12-Jun-2020	0	100
372	K.1.SS120	Trenches filling with crushed stones & comapcted earth	14	03-Jun-2020	16-Jun-2020	39	139
373	K.1.SS130	Construction of sewerage treatment area	27	13-Jun-2020	09-Jul-2020	0	100
374	K.1.SS140	Construction of septic tank	16	10-Jul-2020	25-Jul-2020	0	100
375	K.1.SS150	Construction of manholes	11	13-Jun-2020	23-Jun-2020	32	132
376	K.1.SS160	Miscellaneuos work	5	26-Jul-2020	30-Jul-2020	100	100
377	Kaigah 2 (Lafoo 1 & 2)		304	26-Dec-2019	24-Oct-2020	0	14
378	Permanent Access Road		235	26-Dec-2019	16-Aug-2020	0	26
379	Earth and Allied Works		235	26-Dec-2019	16-Aug-2020	0	26
380	K.2.PAR100	Site Clearing and Removal of trees	10	26-Dec-2019	04-Jan-2020	0	0
381	K.2.PAR110	Excavation (Km0+000-Km9+792)	100	26-Dec-2019	03-Apr-2020	0	0
382	K.2.PAR120	Excavation (Km9+792-Km11+396))	75	04-Apr-2020	17-Jun-2020	0	26
383	K.2.PAR130	Embankment	60	18-Jun-2020	16-Aug-2020	16	26
384	Stone masonary Retaining wall/Breast wall		160	04-Apr-2020	10-Sep-2020	0	10
385	K.2.RW/BW100	Stone masonary with mortar	160	04-Apr-2020	10-Sep-2020	0	10
386	Land Development		147	04-Apr-2020	28-Aug-2020	0	18
387	K.2.LD100	Site Clearing & Removal of trees	5	04-Apr-2020	08-Apr-2020	0	0
388	K.2.LD110	Excavation (Km9+792-Km10+060)	40	06-Apr-2020	15-May-2020	0	0
389	K.2.LD120	Excavation (Km10+060-Km11+396)	90	16-May-2020	13-Aug-2020	0	18
390	K.2.LD130	Backfill	15	14-Aug-2020	28-Aug-2020	0	18
391	Construction of Mosque		138	16-May-2020	30-Sep-2020	0	38
392	Structural work		64	16-May-2020	18-Jul-2020	0	24
393	Foundation		27	16-May-2020	11-Jun-2020	0	24
394	K.2.M.STR100	Excavation in foundation	10	16-May-2020	25-May-2020	0	24
395	K.2.M.STR110	Antitermite & Pcc work	5	26-May-2020	30-May-2020	0	24
396	K.2.M.STR120	Steel fixing & Form work	7	31-May-2020	06-Jun-2020	0	24
397	K.2.M.STR130	RCC Work	2	07-Jun-2020	08-Jun-2020	0	24
398	K.2.M.STR140	Backfill	3	09-Jun-2020	11-Jun-2020	0	24
399	GF Vertical Elements		15	12-Jun-2020	26-Jun-2020	0	24
400	K.2.M.STR150	Steel fxing for columns	7	12-Jun-2020	18-Jun-2020	0	24
401	K.2.M.STR160	Formwork for columns	6	19-Jun-2020	24-Jun-2020	0	24
402	K.2.M.STR170	RCC work in Columns	2	25-Jun-2020	26-Jun-2020	0	24
403	GF Horizental Elements		22	27-Jun-2020	18-Jul-2020	0	24
404	K.2.M.STR180	Formwork for Beams & Slab	10	27-Jun-2020	06-Jul-2020	0	24
405	K.2.M.STR190	Steel fixing for Beams & Slab	9	07-Jul-2020	15-Jul-2020	0	24
406	K.2.M.STR200	RCC work in Beams & Slab	3	16-Jul-2020	18-Jul-2020	0	24
407	Architectural/Finishes work		63	29-Jul-2020	29-Sep-2020	0	39



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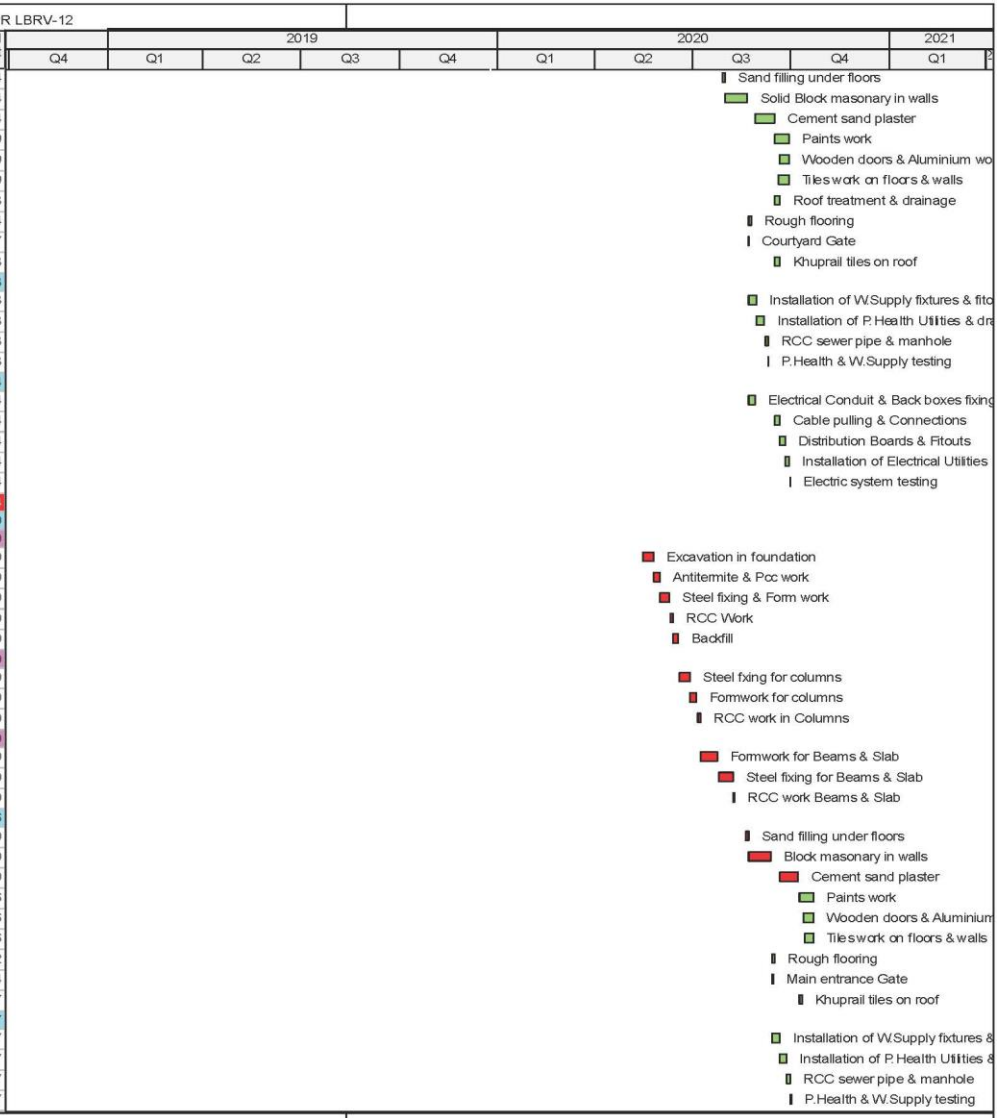
Gantt Chart of Dasu-LBRV-12 (8 of 10)

Figure 22 [9/10]

DASU LBRV-12- EOT-01 | MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
408	K.2.M.A/F100	Sand filling under floors	3	29-Jul-2020	31-Jul-2020	0	24
409	K.2.M.A/F110	Solid Block masonary in walls	21	01-Aug-2020	21-Aug-2020	0	24
410	K.2.M.A/F120	Cement sand plaster	18	29-Aug-2020	15-Sep-2020	0	24
411	K.2.M.A/F130	Paints work	14	16-Sep-2020	29-Sep-2020	0	39
412	K.2.M.A/F140	Wooden doors & Aluminium works	9	21-Sep-2020	29-Sep-2020	0	39
413	K.2.M.A/F150	Tiles work on floors & walls	10	20-Sep-2020	29-Sep-2020	39	39
414	K.2.M.A/F160	Roof treatment & drainage	5	16-Sep-2020	20-Sep-2020	48	48
415	K.2.M.A/F170	Rough flooring	4	22-Aug-2020	25-Aug-2020	74	74
416	K.2.M.A/F180	Courtyard Gate	1	22-Aug-2020	22-Aug-2020	77	77
417	K.2.M.A/F190	Khuprail tiles on roof	5	16-Sep-2020	20-Sep-2020	48	48
418	**Public Health work**		20	22-Aug-2020	10-Sep-2020	0	58
419	K.2.M.PH100	Installation of W.Supply fixtures & fitouts	8	22-Aug-2020	29-Aug-2020	0	58
420	K.2.M.PH110	Installation of P.Health Utilities & drainage	8	30-Aug-2020	06-Sep-2020	0	58
421	K.2.M.PH120	RCC sewer pipe & manhole	3	07-Sep-2020	09-Sep-2020	0	58
422	K.2.M.PH130	P.Health & W.Supply testing	1	10-Sep-2020	10-Sep-2020	58	58
423	**Internal Electrification**		40	22-Aug-2020	30-Sep-2020	0	24
424	K.2.M.ELE100	Electrical Conduit & Back boxes fixing	7	22-Aug-2020	28-Aug-2020	0	24
425	K.2.M.ELE110	Cable pulling & Connections	5	16-Sep-2020	20-Sep-2020	0	24
426	K.2.M.ELE120	Distribution Boards & Fitouts	5	21-Sep-2020	25-Sep-2020	0	24
427	K.2.M.ELE130	Installation of Electrical Utilities	4	26-Sep-2020	29-Sep-2020	0	24
428	K.2.M.ELE140	Electric system testing	1	30-Sep-2020	30-Sep-2020	24	24
429	**Construction of Primary/Middle School**		162	16-May-2020	24-Oct-2020	0	14
430	**Structural work**		86	16-May-2020	09-Aug-2020	0	0
431	**Foundation**		34	16-May-2020	18-Jun-2020	0	0
432	K.2.PS.STR100	Excavation in foundation	10	16-May-2020	25-May-2020	0	0
433	K.2.PS.STR110	Antitermite & Pcc work	6	26-May-2020	31-May-2020	0	0
434	K.2.PS.STR120	Steel fixing & Form work	9	01-Jun-2020	09-Jun-2020	0	0
435	K.2.PS.STR130	RCC Work	3	10-Jun-2020	12-Jun-2020	0	0
436	K.2.PS.STR140	Backfill	6	13-Jun-2020	18-Jun-2020	0	0
437	**GF Vertical Elements**		20	19-Jun-2020	08-Jul-2020	0	0
438	K.2.PS.STR150	Steel fxing for columns	10	19-Jun-2020	28-Jun-2020	0	0
439	K.2.PS.STR160	Formwork for columns	7	29-Jun-2020	05-Jul-2020	0	0
440	K.2.PS.STR170	RCC work in Columns	3	06-Jul-2020	08-Jul-2020	0	0
441	**GF Horizental Elements**		32	09-Jul-2020	09-Aug-2020	0	0
442	K.2.PS.STR180	Formwork for Beams & Slab	16	09-Jul-2020	24-Jul-2020	0	0
443	K.2.PS.STR190	Steel fixing for Beams & Slab	14	25-Jul-2020	07-Aug-2020	0	0
444	K.2.PS.STR200	RCC work Beams & Slab	2	08-Aug-2020	09-Aug-2020	0	0
445	**Architectural/Finishes work**		64	20-Aug-2020	22-Oct-2020	0	16
446	K.2.PS.A/F100	Sand filling under floors	3	20-Aug-2020	22-Aug-2020	0	0
447	K.2.PS.A/F110	Block masonary in walls	21	23-Aug-2020	12-Sep-2020	0	0
448	K.2.PS.A/F120	Cement sand plaster	18	21-Sep-2020	08-Oct-2020	0	0
449	K.2.PS.A/F130	Paints work	14	09-Oct-2020	22-Oct-2020	0	16
450	K.2.PS.A/F140	Wooden doors & Aluminium works	10	13-Oct-2020	22-Oct-2020	0	16
451	K.2.PS.A/F150	Tiles work on floors & walls	9	14-Oct-2020	22-Oct-2020	16	16
452	K.2.PS.A/F160	Rough flooring	4	13-Sep-2020	16-Sep-2020	52	52
453	K.2.PS.A/F170	Main entrance Gate	2	13-Sep-2020	14-Sep-2020	54	54
454	K.2.PS.A/F180	Khuprail tiles on roof	3	09-Oct-2020	11-Oct-2020	27	27
455	**Public Health work**		19	13-Sep-2020	01-Oct-2020	0	37
456	K.2.PS.PH100	Installation of W.Supply fixtures & fitouts	8	13-Sep-2020	20-Sep-2020	0	37
457	K.2.PS.PH110	Installation of P.Health Utilities & drainage	6	21-Sep-2020	26-Sep-2020	0	37
458	K.2.PS.PH120	RCC sewer pipe & manhole	4	27-Sep-2020	30-Sep-2020	0	37
459	K.2.PS.PH130	P.Health & W.Supply testing	1	01-Oct-2020	01-Oct-2020	37	37



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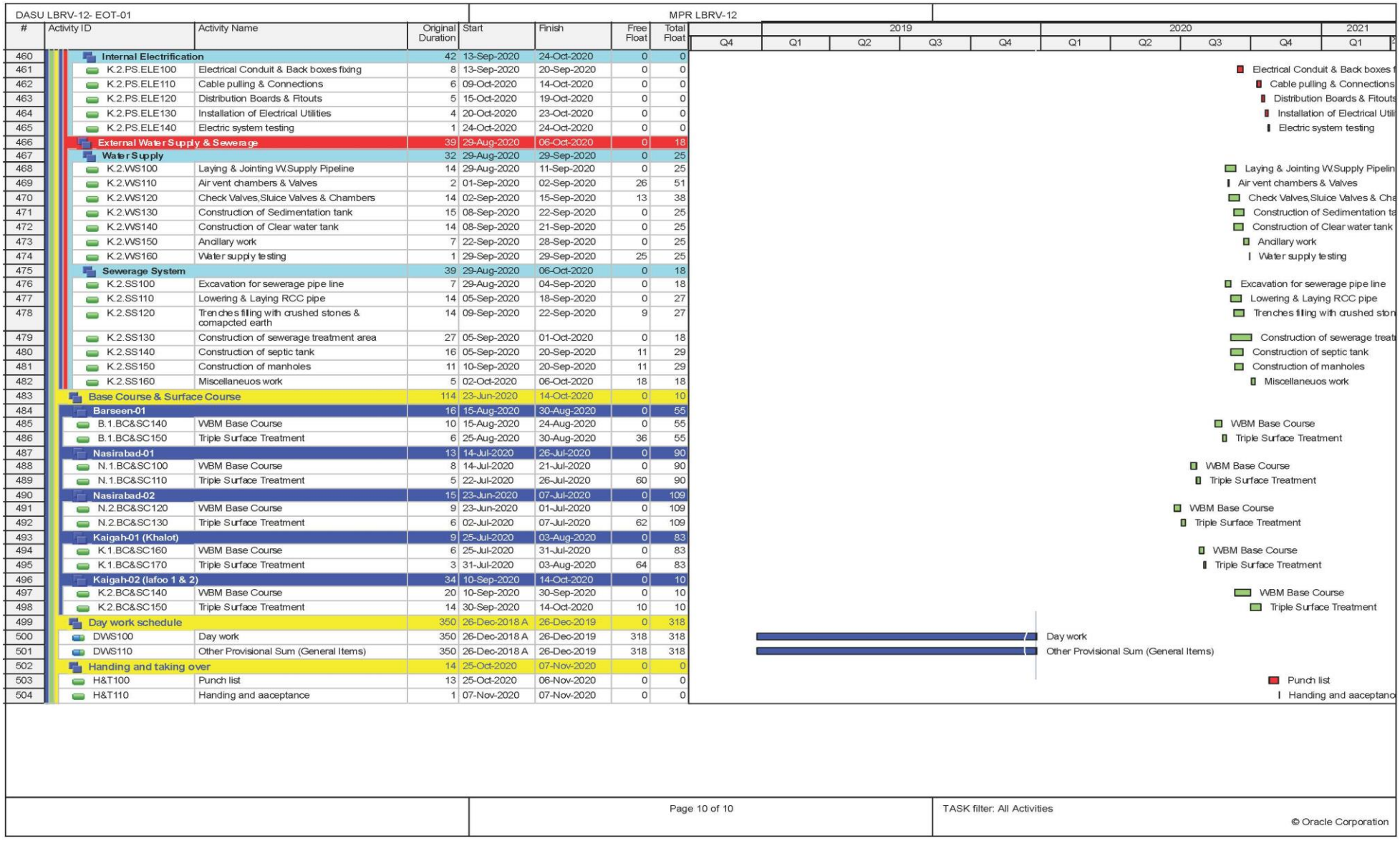
Gantt Chart of Dasu-LBRV-12 (9 of 10)

Figure 22 [10/10]



DASU LBRV-12- EOT-01 — MPR LBRV-12

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
460		**Internal Electrification**	42	13-Sep-2020	24-Oct-2020	0	0
461	K.2.PS.ELE100	Electrical Conduit & Back boxes fixing	8	13-Sep-2020	20-Sep-2020	0	0
462	K.2.PS.ELE110	Cable pulling & Connections	6	09-Oct-2020	14-Oct-2020	0	0
463	K.2.PS.ELE120	Distribution Boards & Fitouts	5	15-Oct-2020	19-Oct-2020	0	0
464	K.2.PS.ELE130	Installation of Electrical Utilities	4	20-Oct-2020	23-Oct-2020	0	0
465	K.2.PS.ELE140	Electric system testing	1	24-Oct-2020	24-Oct-2020	0	0
466		**External Water Supply & Sewerage**	39	29-Aug-2020	06-Oct-2020	0	18
467		**Water Supply**	32	29-Aug-2020	29-Sep-2020	0	25
468	K.2.WS100	Laying & Jointing W.Supply Pipeline	14	29-Aug-2020	11-Sep-2020	0	25
469	K.2.WS110	Air vent chambers & Valves	2	01-Sep-2020	02-Sep-2020	26	51
470	K.2.WS120	Check Valves,Sluice Valves & Chambers	14	02-Sep-2020	15-Sep-2020	13	38
471	K.2.WS130	Construction of Sedimentation tank	15	08-Sep-2020	22-Sep-2020	0	25
472	K.2.WS140	Construction of Clear water tank	14	08-Sep-2020	21-Sep-2020	0	25
473	K.2.WS150	Ancillary work	7	22-Sep-2020	28-Sep-2020	0	25
474	K.2.WS160	Water supply testing	1	29-Sep-2020	29-Sep-2020	25	25
475		**Sewerage System**	39	29-Aug-2020	06-Oct-2020	0	18
476	K.2.SS100	Excavation for sewerage pipe line	7	29-Aug-2020	04-Sep-2020	0	18
477	K.2.SS110	Lowering & Laying RCC pipe	14	05-Sep-2020	18-Sep-2020	0	27
478	K.2.SS120	Trenches filling with crushed stones & comapcted earth	14	09-Sep-2020	22-Sep-2020	9	27
479	K.2.SS130	Construction of sewerage treatment area	27	05-Sep-2020	01-Oct-2020	0	18
480	K.2.SS140	Construction of septic tank	16	05-Sep-2020	20-Sep-2020	11	29
481	K.2.SS150	Construction of manholes	11	10-Sep-2020	20-Sep-2020	11	29
482	K.2.SS160	Miscellaneuos work	5	02-Oct-2020	06-Oct-2020	18	18
483		**Base Course & Surface Course**	114	23-Jun-2020	14-Oct-2020	0	10
484		**Barseen-01**	16	15-Aug-2020	30-Aug-2020	0	55
485	B.1.BC&SC140	WBM Base Course	10	15-Aug-2020	24-Aug-2020	0	55
486	B.1.BC&SC150	Triple Surface Treatment	6	25-Aug-2020	30-Aug-2020	36	55
487		**Nasirabad-01**	13	14-Jul-2020	26-Jul-2020	0	90
488	N.1.BC&SC100	WBM Base Course	8	14-Jul-2020	21-Jul-2020	0	90
489	N.1.BC&SC110	Triple Surface Treatment	5	22-Jul-2020	26-Jul-2020	60	90
490		**Nasirabad-02**	15	23-Jun-2020	07-Jul-2020	0	109
491	N.2.BC&SC120	WBM Base Course	9	23-Jun-2020	01-Jul-2020	0	109
492	N.2.BC&SC130	Triple Surface Treatment	6	02-Jul-2020	07-Jul-2020	62	109
493		**Kaigah-01 (Khalot)**	9	25-Jul-2020	03-Aug-2020	0	83
494	K.1.BC&SC160	WBM Base Course	6	25-Jul-2020	31-Jul-2020	0	83
495	K.1.BC&SC170	Triple Surface Treatment	3	31-Jul-2020	03-Aug-2020	64	83
496		**Kaigah-02 (lafoo 1 & 2)**	34	10-Sep-2020	14-Oct-2020	0	10
497	K.2.BC&SC140	WBM Base Course	20	10-Sep-2020	30-Sep-2020	0	10
498	K.2.BC&SC150	Triple Surface Treatment	14	30-Sep-2020	14-Oct-2020	10	10
499		**Day work schedule**	350	26-Dec-2018 A	26-Dec-2019	0	318
500	DWS100	Day work	350	26-Dec-2018 A	26-Dec-2019	318	318
501	DWS110	Other Provisional Sum (General Items)	350	26-Dec-2018 A	26-Dec-2019	318	318
502		**Handing and taking over**	14	25-Oct-2020	07-Nov-2020	0	0
503	H&T100	Punch list	13	25-Oct-2020	06-Nov-2020	0	0
504	H&T110	Handing and aceptance	1	07-Nov-2020	07-Nov-2020	0	0

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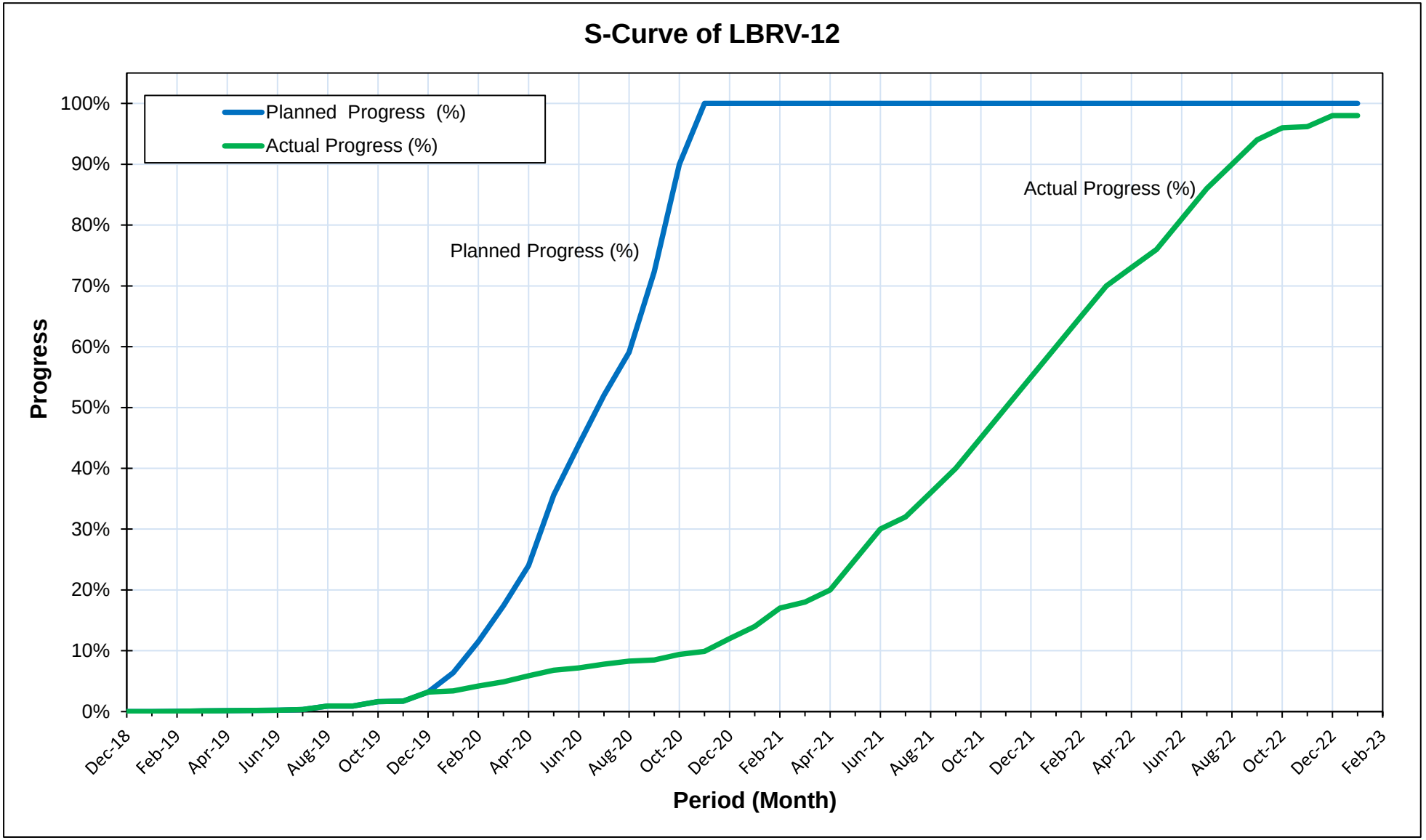
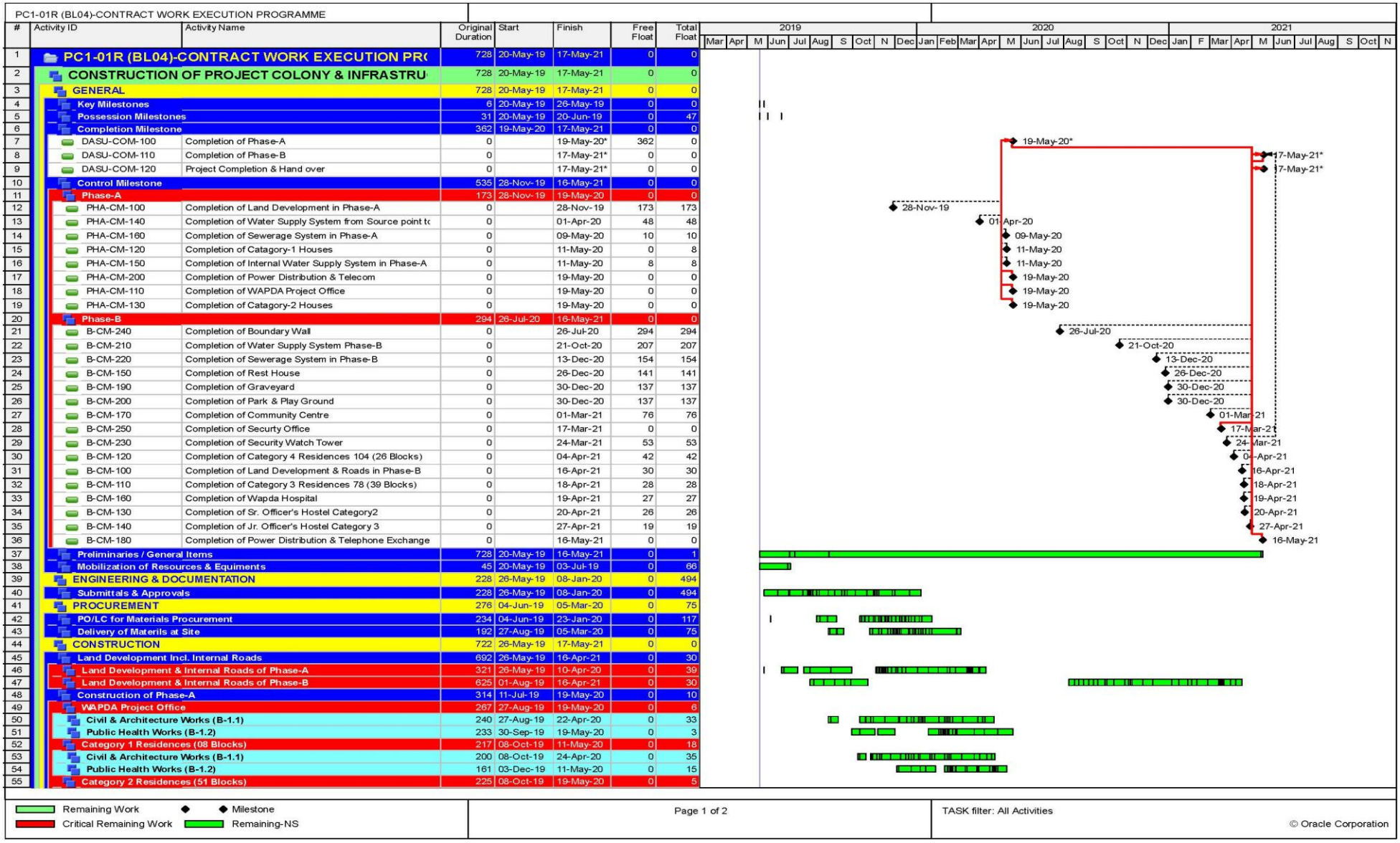


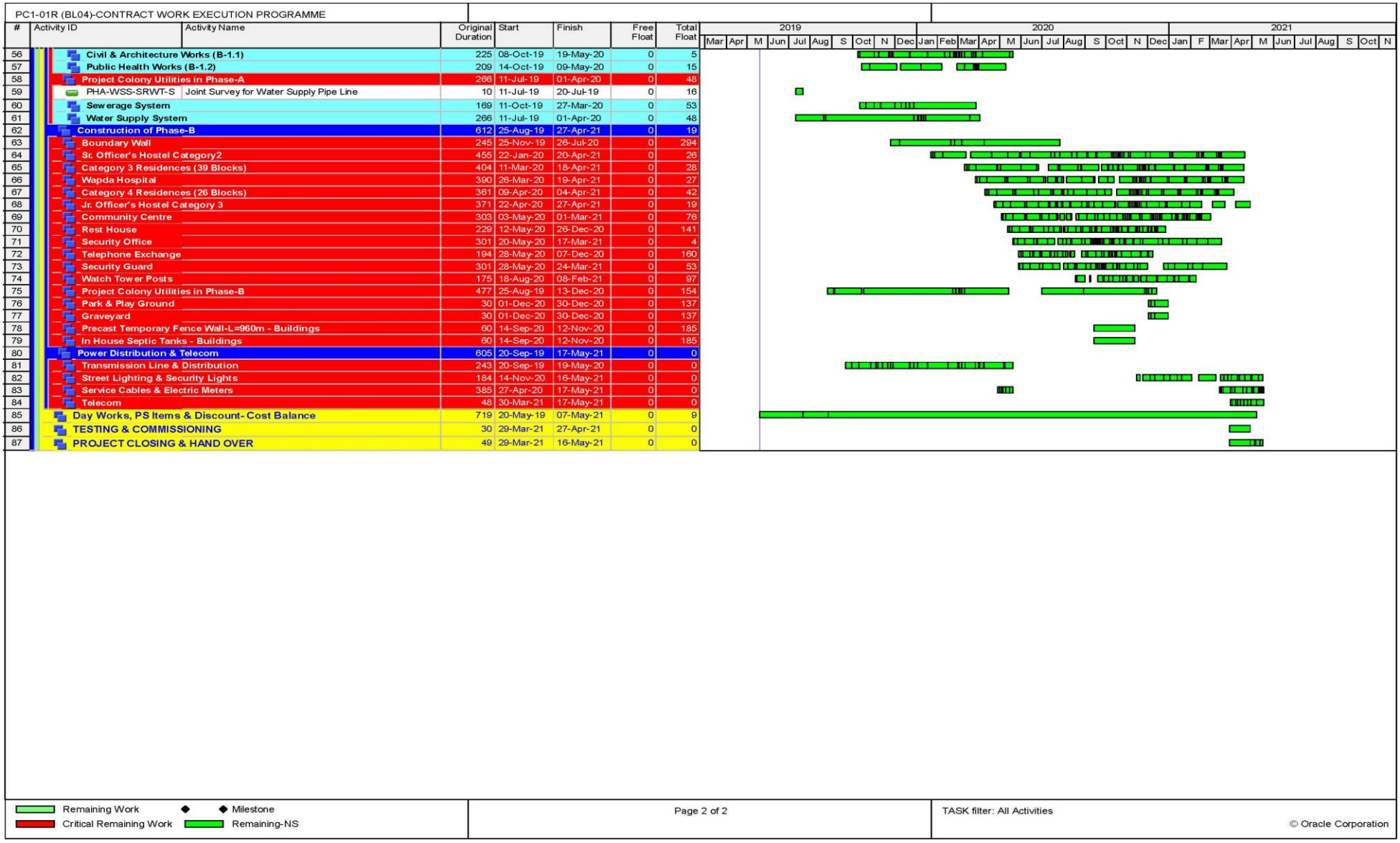
Figure 23: S-Curve for LBRV-12



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
1	PC1-01R (BL04)-CONTRACT WORK EXECUTION PR(		728	20-May-19	17-May-21	0	0
2	CONSTRUCTION OF PROJECT COLONY & INFRASTRU		728	20-May-19	17-May-21	0	0
3	GENERAL		728	20-May-19	17-May-21	0	0
4	Key Milestones		6	20-May-19	26-May-19	0	0
5	Possession Milestones		31	20-May-19	20-Jun-19	0	47
6	Completion Milestone		362	19-May-20	17-May-21	0	0
7	DASU-COM-100	Completion of Phase-A	0		19-May-20*	362	0
8	DASU-COM-110	Completion of Phase-B	0		17-May-21*	0	0
9	DASU-COM-120	Project Completion & Hand over	0		17-May-21*	0	0
10	Control Milestone		535	28-Nov-19	16-May-21	0	0
11	Phase-A		173	28-Nov-19	19-May-20	0	0
12	PHA-CM-100	Completion of Land Development in Phase-A	0		28-Nov-19	173	173
13	PHA-CM-140	Completion of Water Supply System from Source point t	0		01-Apr-20	48	48
14	PHA-CM-160	Completion of Sewerage System in Phase-A	0		09-May-20	10	10
15	PHA-CM-120	Completion of Catagory-1 Houses	0		11-May-20	0	8
16	PHA-CM-150	Completion of Internal Water Supply System in Phase-A	0		11-May-20	8	8
17	PHA-CM-200	Completion of Power Distribution & Telecom	0		19-May-20	0	0
18	PHA-CM-110	Completion of WAPDA Project Office	0		19-May-20	0	0
19	PHA-CM-130	Completion of Catagory-2 Houses	0		19-May-20	0	0
20	Phase-B		294	26-Jul-20	16-May-21	0	0
21	B-CM-240	Completion of Boundary Wall	0		26-Jul-20	294	294
22	B-CM-210	Completion of Water Supply System Phase-B	0		21-Oct-20	207	207
23	B-CM-220	Completion of Sewerage System in Phase-B	0		13-Dec-20	154	154
24	B-CM-150	Completion of Rest House	0		26-Dec-20	141	141
25	B-CM-190	Completion of Graveyard	0		30-Dec-20	137	137
26	B-CM-200	Completion of Park & Play Ground	0		30-Dec-20	137	137
27	B-CM-170	Completion of Community Centre	0		01-Mar-21	76	76
28	B-CM-250	Completion of Securty Office	0		17-Mar-21	0	0
29	B-CM-230	Completion of Security Watch Tower	0		24-Mar-21	53	53
30	B-CM-120	Completion of Category 4 Residences 104 (26 Blocks)	0		04-Apr-21	42	42
31	B-CM-100	Completion of Land Development & Roads in Phase-B	0		16-Apr-21	30	30
32	B-CM-110	Completion of Category 3 Residences 78 (39 Blocks)	0		18-Apr-21	28	28
33	B-CM-160	Completion of Wapda Hospital	0		19-Apr-21	27	27
34	B-CM-130	Completion of Sr. Officer's Hostel Category2	0		20-Apr-21	26	26
35	B-CM-140	Completion of Jr. Officer's Hostel Category 3	0		27-Apr-21	19	19
36	B-CM-180	Completion of Power Distribution & Telephone Exchange	0		16-May-21	0	0
37	Preliminaries / General Items		728	20-May-19	16-May-21	0	1
38	Mobilization of Resources & Equiments		45	20-May-19	03-Jul-19	0	66
39	ENGINEERING & DOCUMENTATION		228	26-May-19	08-Jan-20	0	494
40	Submittals & Approvals		228	26-May-19	08-Jan-20	0	494
41	PROCUREMENT		276	04-Jun-19	05-Mar-20	0	75
42	PO/LC for Materials Procurement		234	04-Jun-19	23-Jan-20	0	117
43	Delivery of Materils at Site		192	27-Aug-19	05-Mar-20	0	75
44	CONSTRUCTION		722	26-May-19	17-May-21	0	0
45	Land Development Incl. Internal Roads		692	26-May-19	16-Apr-21	0	30
46	Land Development & Internal Roads of Phase-A		321	26-May-19	10-Apr-20	0	39
47	Land Development & Internal Roads of Phase-B		625	01-Aug-19	16-Apr-21	0	30
48	Construction of Phase-A		314	11-Jul-19	19-May-20	0	10
49	WAPDA Project Office		267	27-Aug-19	19-May-20	0	6
50	Civil & Architecture Works (B-1.1)		240	27-Aug-19	22-Apr-20	0	33
51	Public Health Works (B-1.2)		233	30-Sep-19	19-May-20	0	3
52	Category 1 Residences (08 Blocks)		217	08-Oct-19	11-May-20	0	18
53	Civil & Architecture Works (B-1.1)		200	08-Oct-19	24-Apr-20	0	35
54	Public Health Works (B-1.2)		161	03-Dec-19	11-May-20	0	15
55	Category 2 Residences (51 Blocks)		225	08-Oct-19	19-May-20	0	5

Figure 24: Gantt Chart of Dasu-PCI-01R (1 of 2)

Figure 24 [2/2]



Gantt Chart of Dasu-PCI-01R (2 of 2)

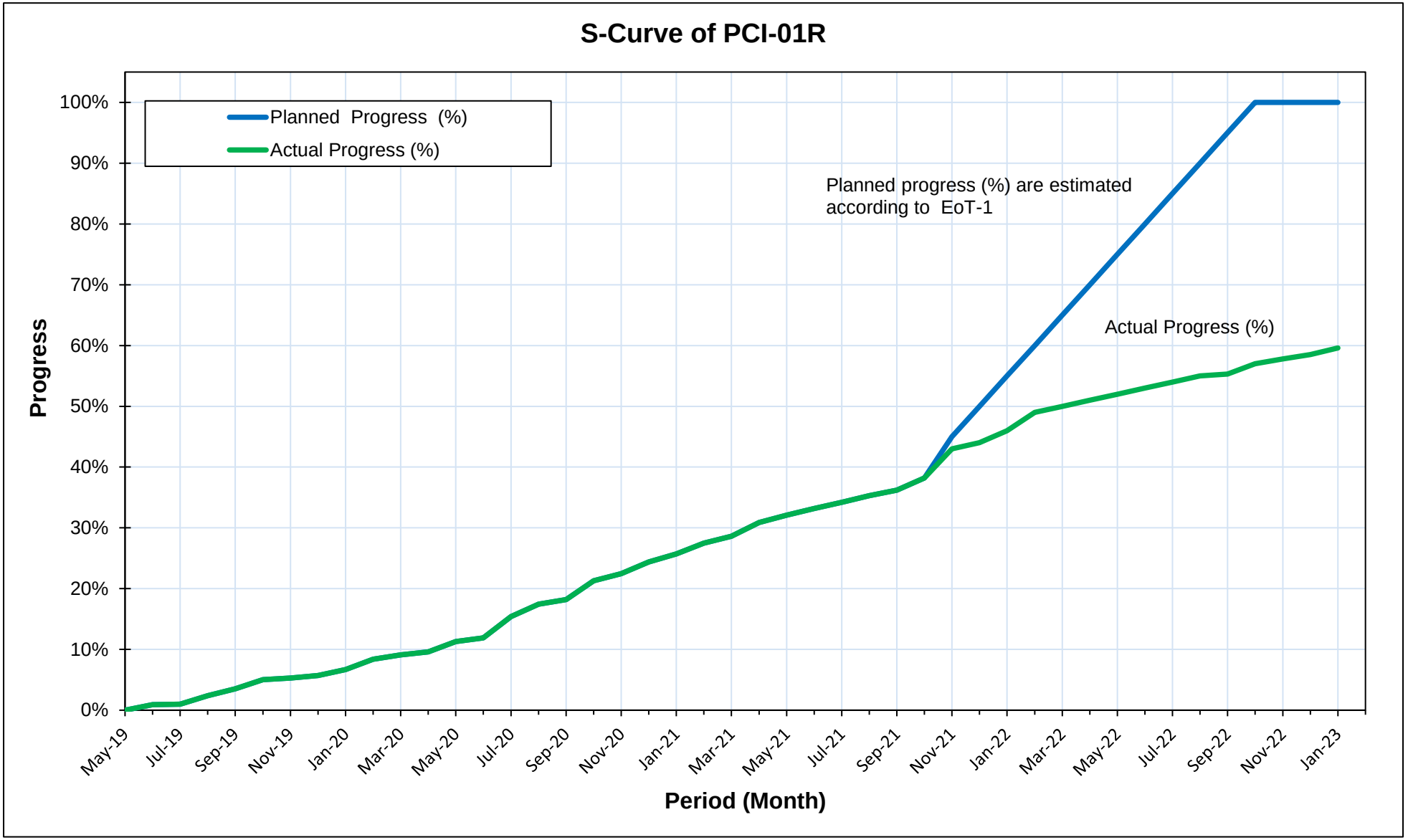
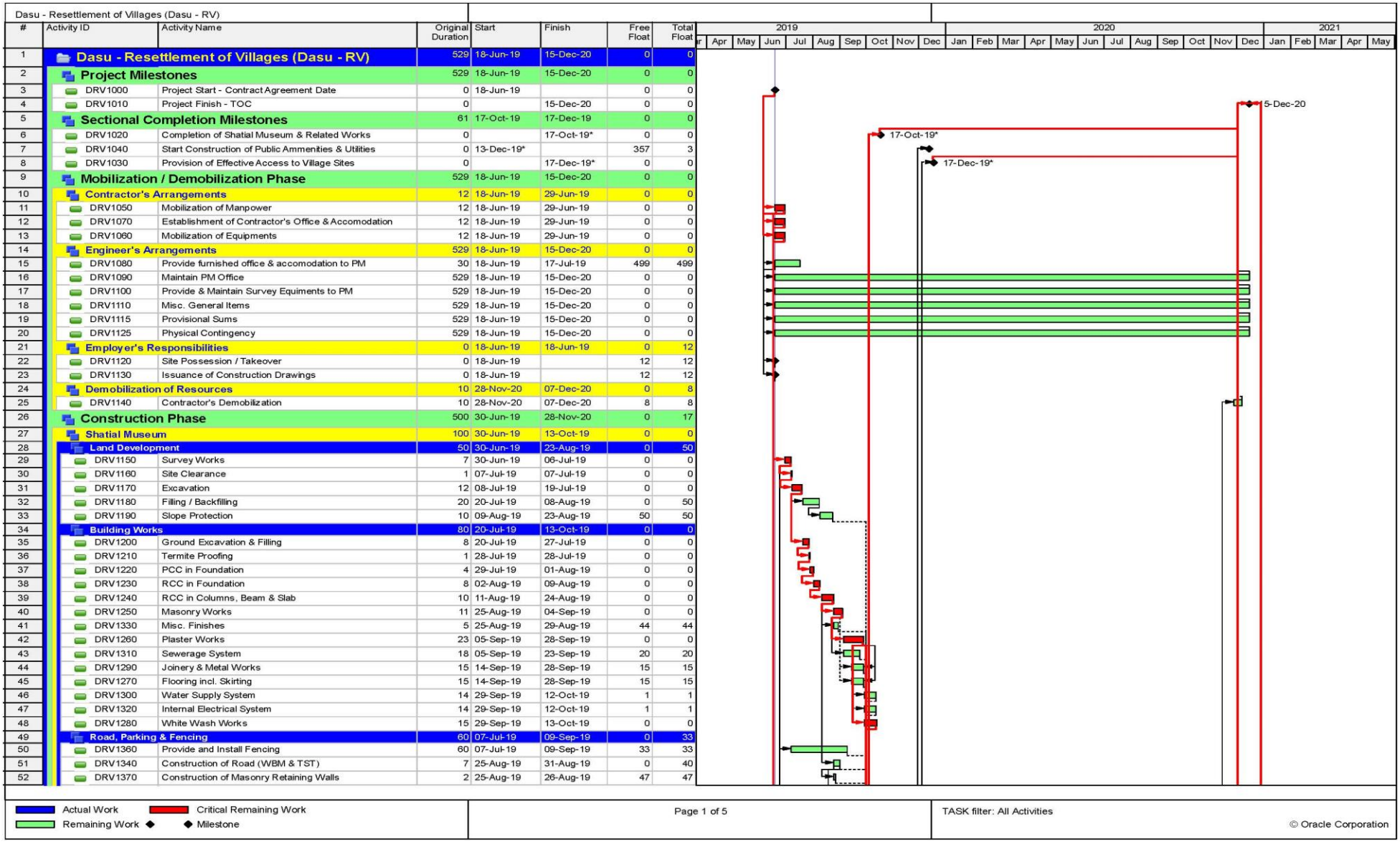


Figure 25: S-Curve for PCI-01R



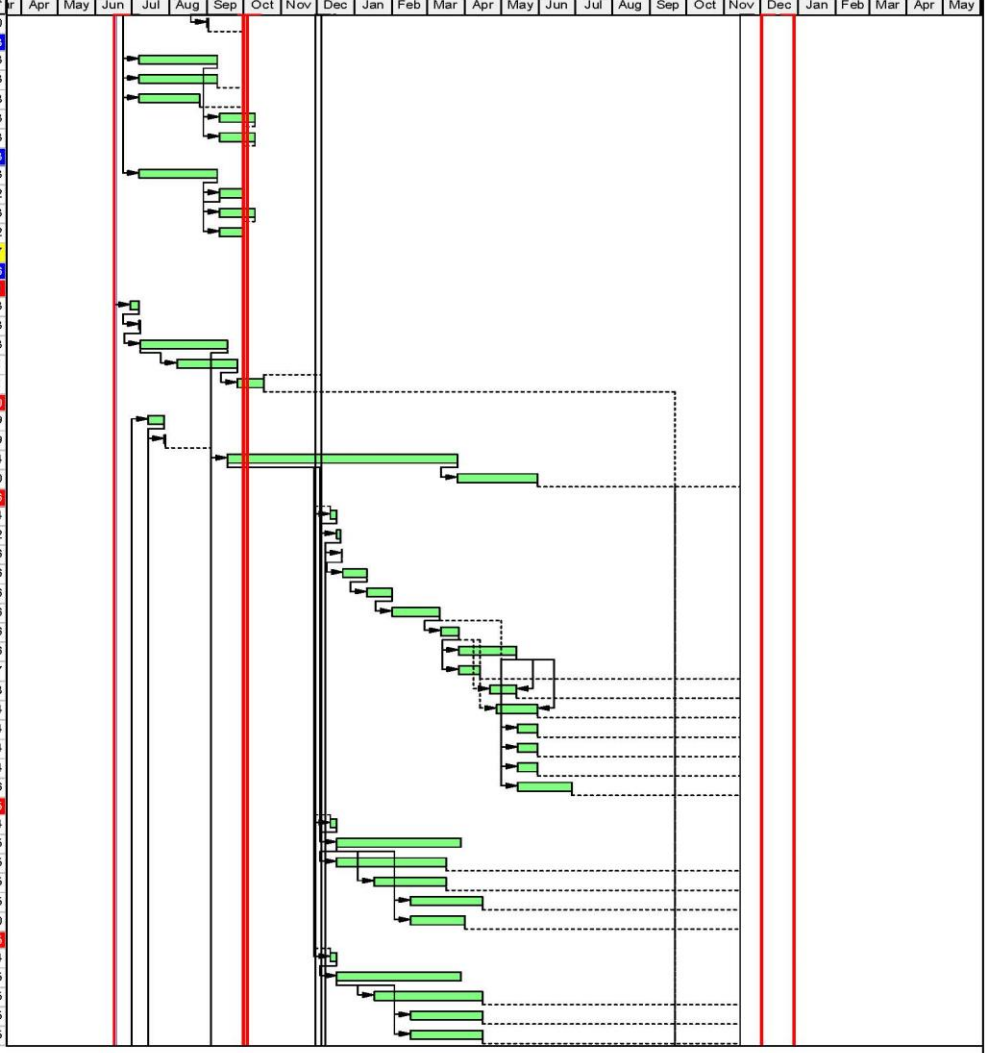
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
1		**Dasu - Resettlement of Villages (Dasu - RV)**	529	18-Jun-19	15-Dec-20	0	0
2		**Project Milestones**	529	18-Jun-19	15-Dec-20	0	0
3	DRV1000	Project Start - Contract Agreement Date	0	18-Jun-19		0	0
4	DRV1010	Project Finish - TOC	0		15-Dec-20	0	0
5		**Sectional Completion Milestones**	61	17-Oct-19	17-Dec-19	0	0
6	DRV1020	Completion of Shatial Museum & Related Works	0		17-Oct-19*	0	0
7	DRV1040	Start Construction of Public Ammenities & Utilities	0	13-Dec-19*		357	3
8	DRV1030	Provision of Effective Access to Village Sites	0		17-Dec-19*	0	0
9		**Mobilization / Demobilization Phase**	529	18-Jun-19	15-Dec-20	0	0
10		**Contractor's Arrangements**	12	18-Jun-19	29-Jun-19	0	0
11	DRV1050	Mobilization of Manpower	12	18-Jun-19	29-Jun-19	0	0
12	DRV1070	Establishment of Contractor's Office & Accomodation	12	18-Jun-19	29-Jun-19	0	0
13	DRV1060	Mobilization of Equipments	12	18-Jun-19	29-Jun-19	0	0
14		**Engineer's Arrangements**	529	18-Jun-19	15-Dec-20	0	0
15	DRV1080	Provide furnished office & accomodation to PM	30	18-Jun-19	17-Jul-19	499	499
16	DRV1090	Maintain PM Office	529	18-Jun-19	15-Dec-20	0	0
17	DRV1100	Provide & Maintain Survey Equiments to PM	529	18-Jun-19	15-Dec-20	0	0
18	DRV1110	Misc. General Items	529	18-Jun-19	15-Dec-20	0	0
19	DRV1115	Provisional Sums	529	18-Jun-19	15-Dec-20	0	0
20	DRV1125	Physical Contingency	529	18-Jun-19	15-Dec-20	0	0
21		**Employer's Responsibilities**	0	18-Jun-19	18-Jun-19	0	12
22	DRV1120	Site Possession / Takeover	0	18-Jun-19		12	12
23	DRV1130	Issuance of Construction Drawings	0	18-Jun-19		12	12
24		**Demobilization of Resources**	10	28-Nov-20	07-Dec-20	0	8
25	DRV1140	Contractor's Demobilization	10	28-Nov-20	07-Dec-20	8	8
26		**Construction Phase**	500	30-Jun-19	28-Nov-20	0	17
27		**Shatial Museum**	100	30-Jun-19	13-Oct-19	0	0
28		**Land Development**	50	30-Jun-19	23-Aug-19	0	50
29	DRV1150	Survey Works	7	30-Jun-19	06-Jul-19	0	0
30	DRV1160	Site Clearance	1	07-Jul-19	07-Jul-19	0	0
31	DRV1170	Excavation	12	08-Jul-19	19-Jul-19	0	0
32	DRV1180	Filling / Backfilling	20	20-Jul-19	08-Aug-19	0	50
33	DRV1190	Slope Protection	10	09-Aug-19	23-Aug-19	50	50
34		**Building Works**	80	20-Jul-19	13-Oct-19	0	0
35	DRV1200	Ground Excavation & Filling	8	20-Jul-19	27-Jul-19	0	0
36	DRV1210	Termite Proofing	1	28-Jul-19	28-Jul-19	0	0
37	DRV1220	PCC in Foundation	4	29-Jul-19	01-Aug-19	0	0
38	DRV1230	RCC in Foundation	8	02-Aug-19	09-Aug-19	0	0
39	DRV1240	RCC in Columns, Beam & Slab	10	11-Aug-19	24-Aug-19	0	0
40	DRV1250	Masonry Works	11	25-Aug-19	04-Sep-19	0	0
41	DRV1330	Misc. Finishes	5	25-Aug-19	29-Aug-19	44	44
42	DRV1260	Plaster Works	23	05-Sep-19	28-Sep-19	0	0
43	DRV1310	Sewerage System	18	05-Sep-19	23-Sep-19	20	20
44	DRV1290	Joinery & Metal Works	15	14-Sep-19	28-Sep-19	15	15
45	DRV1270	Flooring incl. Skirting	15	14-Sep-19	28-Sep-19	15	15
46	DRV1300	Water Supply System	14	29-Sep-19	12-Oct-19	1	1
47	DRV1320	Internal Electrical System	14	29-Sep-19	12-Oct-19	1	1
48	DRV1280	White Wash Works	15	29-Sep-19	13-Oct-19	0	0
49		**Road, Parking & Fencing**	60	07-Jul-19	09-Sep-19	0	33
50	DRV1360	Provide and Install Fencing	60	07-Jul-19	09-Sep-19	33	33
51	DRV1340	Construction of Road (WBM & TST)	7	25-Aug-19	31-Aug-19	0	40
52	DRV1370	Construction of Masonry Retaining Walls	2	25-Aug-19	26-Aug-19	47	47

Figure 26: Gantt Chart of Dasu-RV (1 of 5)

Figure 26 [2/5]

Dasu - Resettlement of Villages (Dasu - RV)

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
53	DRV1350	Cleaning of Lawns	2	01-Sep-19	02-Sep-19	40	40
54	External Water Supply System		90	07-Jul-19	10-Oct-19	0	3
55	DRV1380	Providing & Laying MS Pipes with all accessories	60	07-Jul-19	09-Sep-19	0	3
56	DRV1390	Construction of Tyrolean Weir complete in all respect	60	07-Jul-19	09-Sep-19	33	33
57	DRV1410	Design & Construction of Pipe Bridge with all accessories	45	07-Jul-19	25-Aug-19	48	48
58	DRV1400	Construction of Pressure Break Tank complete in all res	30	11-Sep-19	10-Oct-19	3	3
59	DRV1420	Construction of Clear Water Tank complete in all respect	30	11-Sep-19	10-Oct-19	3	3
60	External Sewerage System		90	07-Jul-19	10-Oct-19	0	3
61	DRV1430	Providing & Laying RCC Pipes complete in all respect	60	07-Jul-19	09-Sep-19	0	3
62	DRV1440	Construction of Septic Tank	21	11-Sep-19	01-Oct-19	0	12
63	DRV1450	Construction & Developing of Sewerage Disposal Area	30	11-Sep-19	10-Oct-19	3	3
64	DRV1460	Construction of Manholes	21	11-Sep-19	01-Oct-19	12	12
65	Development of Village Sites		500	30-Jun-19	28-Nov-20	0	17
66	Choochang 1		353	30-Jun-19	28-Jun-20	0	146
67	Effective Access to Choochang 1		104	30-Jun-19	17-Oct-19	0	61
68	DRV1470	Survey Works	7	30-Jun-19	06-Jul-19	0	3
69	DRV1480	Site Clearance	1	07-Jul-19	07-Jul-19	0	3
70	DRV1490	Excavation	66	08-Jul-19	17-Sep-19	0	3
71	DRV1495	Construction of Retaining Wall	44	07-Aug-19	25-Sep-19	0	61
72	DRV1500	Filling / Backfilling	22	26-Sep-19	17-Oct-19	61	61
73	Land Development		311	14-Jul-19	31-May-20	0	120
74	DRV1510	Survey Works	14	14-Jul-19	27-Jul-19	0	49
75	DRV1520	Site Clearance	1	28-Jul-19	28-Jul-19	45	49
76	DRV1530	Excavation	189	18-Sep-19	25-Mar-20	0	4
77	DRV1540	Filling / Backfilling	62	26-Mar-20	31-May-20	120	120
78	Construction of Mosque		194	12-Dec-19	28-Jun-20	0	146
79	DRV1545	Survey Works	5	12-Dec-19	16-Dec-19	0	4
80	DRV1550	Ground Excavation & Filling	4	17-Dec-19	20-Dec-19	0	142
81	DRV1560	Termite Proofing	1	21-Dec-19	21-Dec-19	0	146
82	DRV1570	PCC in Foundation	19	22-Dec-19	10-Jan-20	0	146
83	DRV1580	RCC in Foundations	21	11-Jan-20	31-Jan-20	0	146
84	DRV1590	RCC in Columns, Beam & Slab	40	01-Feb-20	11-Mar-20	0	146
85	DRV1600	Masonry Works	15	12-Mar-20	26-Mar-20	0	146
86	DRV1610	Plaster Works	47	27-Mar-20	13-May-20	0	146
87	DRV1670	Sewerage System	18	27-Mar-20	13-Apr-20	217	217
88	DRV1640	Joinry & Metal Works	21	22-Apr-20	13-May-20	188	188
89	DRV1620	Flooring incl. Skirting	30	27-Apr-20	31-May-20	174	174
90	DRV1650	Roof Treatment incl. drainage	14	14-May-20	31-May-20	174	174
91	DRV1660	Water Supply System	14	14-May-20	31-May-20	174	174
92	DRV1680	Internal Electrical System	14	14-May-20	31-May-20	174	174
93	DRV1630	Paint Works	42	14-May-20	28-Jun-20	146	146
94	Water Supply System		125	12-Dec-19	15-Apr-20	0	215
95	DRV1685	Survey Works	5	12-Dec-19	16-Dec-19	0	4
96	DRV1690	Providing & Laying GI Pipes complete in all respect	102	17-Dec-19	28-Mar-20	0	215
97	DRV1710	Design & Construction of Pipe Bridges with all accessori	90	17-Dec-19	16-Mar-20	245	245
98	DRV1720	Construction of Clear Water Tanks complete in all respe	60	17-Jan-20	16-Mar-20	245	245
99	DRV1700	Construction of Pressure Break Tanks complete in all re	60	16-Feb-20	15-Apr-20	215	215
100	DRV1730	Construction of Sedimentation Tank complete in all respe	45	16-Feb-20	31-Mar-20	230	230
101	Sewerage System		125	12-Dec-19	15-Apr-20	0	215
102	DRV1735	Survey Works	5	12-Dec-19	16-Dec-19	0	4
103	DRV1740	Providing & Laying RCC Pipes complete in all respect	102	17-Dec-19	28-Mar-20	0	215
104	DRV1760	Construction & Developing of Sewerage Disposal Area	90	17-Jan-20	15-Apr-20	215	215
105	DRV1750	Construction of Septic Tank	60	16-Feb-20	15-Apr-20	215	215
106	DRV1770	Construction of Manholes	60	16-Feb-20	15-Apr-20	215	215



Actual Work
Remaining Work
Critical Remaining Work
Milestone

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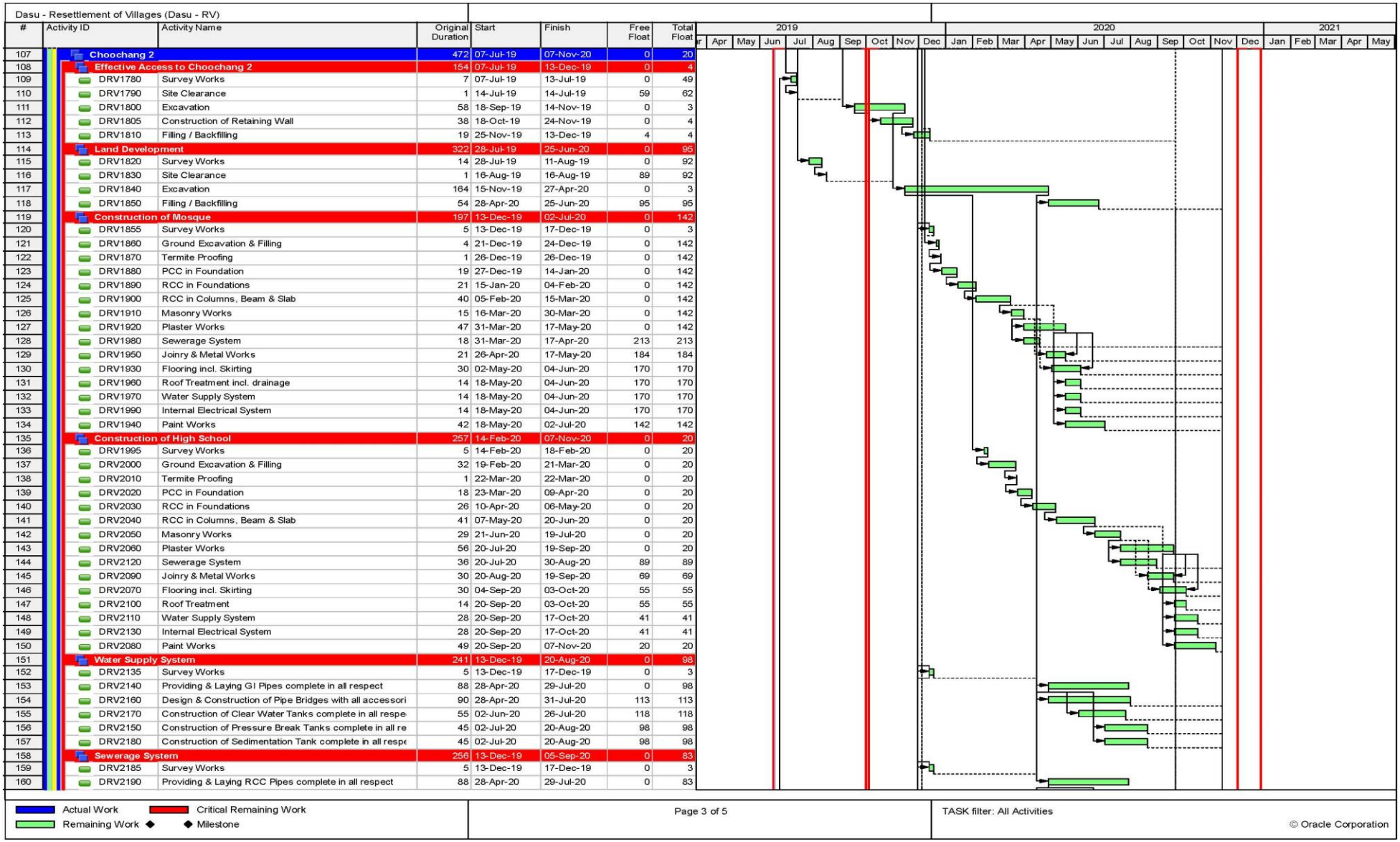
Gantt Chart of Dasu-RV (2 of 5)

Figure 26 [3/5]

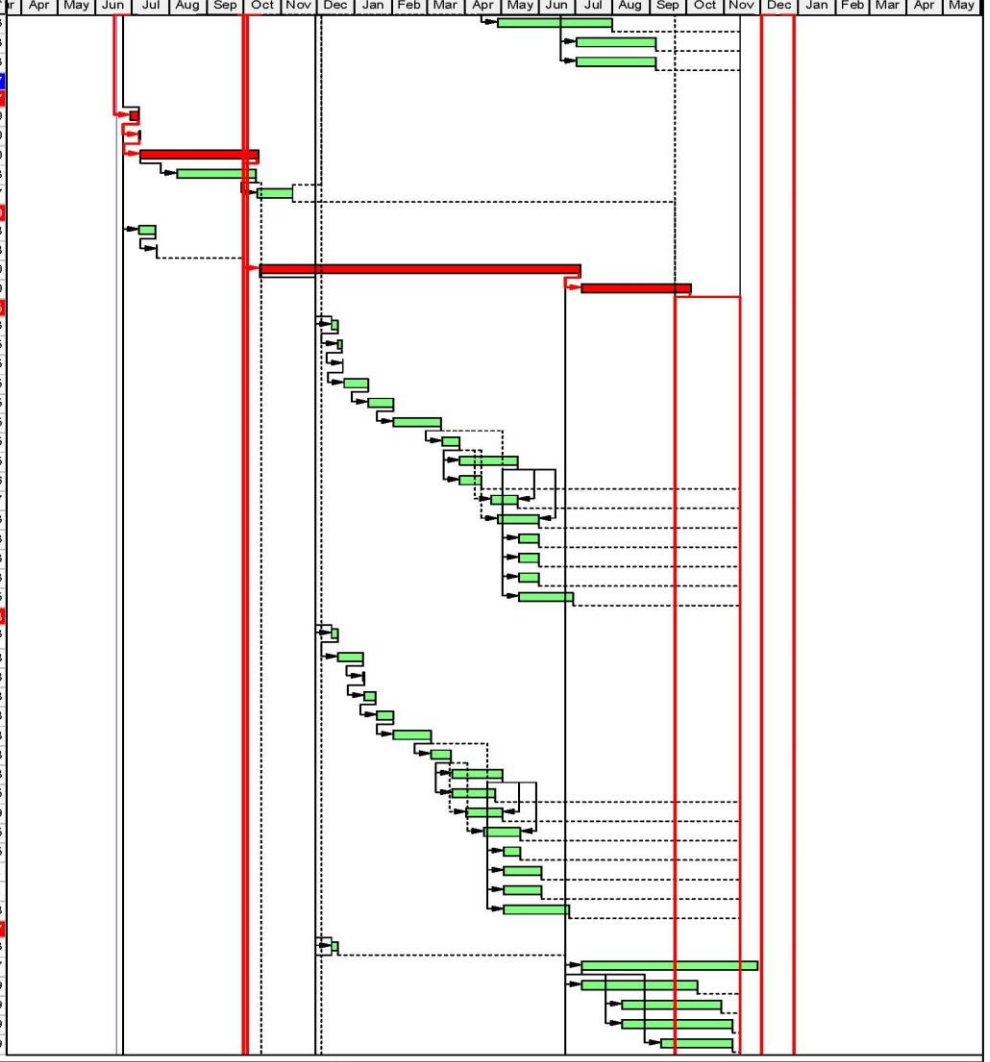


Gantt Chart of Dasu-RV (3 of 5)

Figure 26 [4/5]

Dasu - Resettlement of Villages (Dasu - RV)

#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
161	DRV2210	Construction & Developing of Sewerage Disposal Area	90	28-Apr-20	31-Jul-20	113	113
162	DRV2200	Construction of Septic Tank	60	02-Jul-20	05-Sep-20	83	83
163	DRV2220	Construction of Manholes	60	02-Jul-20	05-Sep-20	83	83
164	Choochang 3		500	30-Jun-19	28-Nov-20	0	17
165	Effective Access to Choochang 3		128	30-Jun-19	10-Nov-19	0	37
166	DRV2230	Survey Works	7	30-Jun-19	06-Jul-19	0	0
167	DRV2240	Site Clearance	1	07-Jul-19	07-Jul-19	0	0
168	DRV2250	Excavation	92	08-Jul-19	13-Oct-19	0	0
169	DRV2255	Construction of Retaining Wall	60	07-Aug-19	11-Oct-19	0	23
170	DRV2260	Filling / Backfilling	30	12-Oct-19	10-Nov-19	37	37
171	Land Development		438	07-Jul-19	04-Oct-20	0	0
172	DRV2270	Survey Works	14	07-Jul-19	20-Jul-19	0	78
173	DRV2280	Site Clearance	1	21-Jul-19	21-Jul-19	78	78
174	DRV2290	Excavation	260	14-Oct-19	05-Jul-20	0	0
175	DRV2300	Filling / Backfilling	85	06-Jul-20	04-Oct-20	0	0
176	Construction of Mosque		194	13-Dec-19	29-Jun-20	0	145
177	DRV2305	Survey Works	5	13-Dec-19	17-Dec-19	0	3
178	DRV2310	Ground Excavation & Filling	4	18-Dec-19	21-Dec-19	0	145
179	DRV2320	Termite Proofing	1	22-Dec-19	22-Dec-19	0	145
180	DRV2330	PCC in Foundation	19	23-Dec-19	11-Jan-20	0	145
181	DRV2340	RCC in Foundations	21	12-Jan-20	01-Feb-20	0	145
182	DRV2350	RCC in Columns, Beam & Slab	40	02-Feb-20	12-Mar-20	0	145
183	DRV2360	Masonry Works	15	13-Mar-20	27-Mar-20	0	145
184	DRV2370	Plaster Works	47	28-Mar-20	14-May-20	0	145
185	DRV2430	Sewerage System	18	28-Mar-20	14-Apr-20	216	216
186	DRV2400	Joinry & Metal Works	21	23-Apr-20	14-May-20	187	187
187	DRV2380	Flooring incl. Skirting	30	28-Apr-20	01-Jun-20	173	173
188	DRV2410	Roof Treatment incl. drainage	14	15-May-20	01-Jun-20	173	173
189	DRV2420	Water Supply System	14	15-May-20	01-Jun-20	173	173
190	DRV2440	Internal Electrical System	14	15-May-20	01-Jun-20	173	173
191	DRV2390	Paint Works	42	15-May-20	29-Jun-20	145	145
192	Construction of Primary / Middle School		191	13-Dec-19	26-Jun-20	0	148
193	DRV2445	Survey Works	5	13-Dec-19	17-Dec-19	0	3
194	DRV2450	Ground Excavation & Filling	20	18-Dec-19	07-Jan-20	0	148
195	DRV2460	Termite Proofing	1	08-Jan-20	08-Jan-20	0	148
196	DRV2470	PCC in Foundation	10	09-Jan-20	18-Jan-20	0	148
197	DRV2480	RCC in Foundations	14	19-Jan-20	01-Feb-20	0	148
198	DRV2490	RCC in Columns, Beam & Slab	31	02-Feb-20	03-Mar-20	0	148
199	DRV2500	Masonry Works	17	04-Mar-20	20-Mar-20	0	148
200	DRV2510	Plaster Works	42	21-Mar-20	02-May-20	0	148
201	DRV2570	Sewerage System	36	21-Mar-20	25-Apr-20	205	205
202	DRV2540	Joinry & Metal Works	30	02-Apr-20	02-May-20	199	199
203	DRV2520	Flooring incl. Skirting	30	16-Apr-20	16-May-20	185	185
204	DRV2550	Roof Treatment	14	03-May-20	16-May-20	185	185
205	DRV2560	Water Supply System	28	03-May-20	03-Jun-20	171	171
206	DRV2580	Internal Electrical System	28	03-May-20	03-Jun-20	171	171
207	DRV2530	Paint Works	51	03-May-20	26-Jun-20	148	148
208	Water Supply System		340	13-Dec-19	28-Nov-20	0	17
209	DRV2585	Survey Works	5	13-Dec-19	17-Dec-19	0	3
210	DRV2590	Providing & Laying GI Pipes complete in all respect	140	06-Jul-20	28-Nov-20	0	17
211	DRV2610	Design & Construction of Pipe Bridges with all accessori	90	06-Jul-20	09-Oct-20	49	49
212	DRV2600	Construction of Pressure Break Tanks complete in all re	80	09-Aug-20	29-Oct-20	29	29
213	DRV2620	Construction of Clear Water Tanks complete in all respe	90	09-Aug-20	08-Nov-20	19	19
214	DRV2630	Construction of Sedimentation Tank complete in all respe	60	10-Sep-20	08-Nov-20	19	19



Actual Work
Remaining Work
Critical Remaining Work
Milestone

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TASK filter: All Activities

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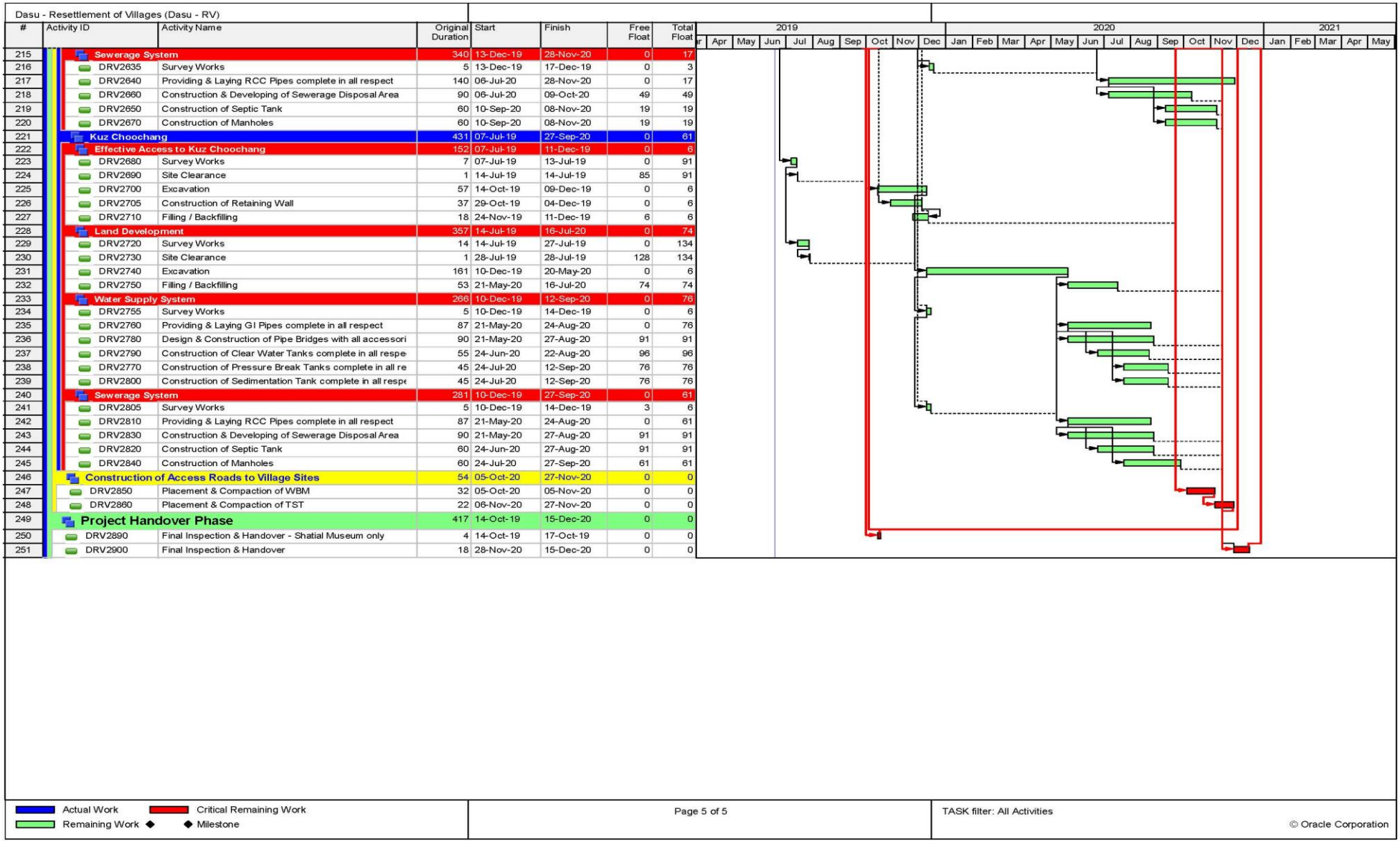
Gantt Chart of Dasu-RV (4 of 5)

Figure 26 [5/5]



#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
215		Sewerage System	340	13-Dec-19	28-Nov-20	0	17
216	DRV2635	Survey Works	5	13-Dec-19	17-Dec-19	0	3
217	DRV2640	Providing & Laying RCC Pipes complete in all respect	140	06-Jul-20	28-Nov-20	0	17
218	DRV2660	Construction & Developing of Sewerage Disposal Area	90	06-Jul-20	09-Oct-20	49	49
219	DRV2650	Construction of Septic Tank	60	10-Sep-20	08-Nov-20	19	19
220	DRV2670	Construction of Manholes	60	10-Sep-20	08-Nov-20	19	19
221		Kuz Choochang	431	07-Jul-19	27-Sep-20	0	61
222		Effective Access to Kuz Choochang	152	07-Jul-19	11-Dec-19	0	6
223	DRV2680	Survey Works	7	07-Jul-19	13-Jul-19	0	91
224	DRV2690	Site Clearance	1	14-Jul-19	14-Jul-19	85	91
225	DRV2700	Excavation	57	14-Oct-19	09-Dec-19	0	6
226	DRV2705	Construction of Retaining Wall	37	29-Oct-19	04-Dec-19	0	6
227	DRV2710	Filling / Backfilling	18	24-Nov-19	11-Dec-19	6	6
228		Land Development	357	14-Jul-19	16-Jul-20	0	74
229	DRV2720	Survey Works	14	14-Jul-19	27-Jul-19	0	134
230	DRV2730	Site Clearance	1	28-Jul-19	28-Jul-19	128	134
231	DRV2740	Excavation	161	10-Dec-19	20-May-20	0	6
232	DRV2750	Filling / Backfilling	53	21-May-20	16-Jul-20	74	74
233		Water Supply System	266	10-Dec-19	12-Sep-20	0	76
234	DRV2755	Survey Works	5	10-Dec-19	14-Dec-19	0	6
235	DRV2760	Providing & Laying GI Pipes complete in all respect	87	21-May-20	24-Aug-20	0	76
236	DRV2780	Design & Construction of Pipe Bridges with all accessori	90	21-May-20	27-Aug-20	91	91
237	DRV2790	Construction of Clear Water Tanks complete in all respe	55	24-Jun-20	22-Aug-20	96	96
238	DRV2770	Construction of Pressure Break Tanks complete in all re	45	24-Jul-20	12-Sep-20	76	76
239	DRV2800	Construction of Sedimentation Tank complete in all respe	45	24-Jul-20	12-Sep-20	76	76
240		Sewerage System	281	10-Dec-19	27-Sep-20	0	61
241	DRV2805	Survey Works	5	10-Dec-19	14-Dec-19	3	6
242	DRV2810	Providing & Laying RCC Pipes complete in all respect	87	21-May-20	24-Aug-20	0	61
243	DRV2830	Construction & Developing of Sewerage Disposal Area	90	21-May-20	27-Aug-20	91	91
244	DRV2820	Construction of Septic Tank	60	24-Jun-20	27-Aug-20	91	91
245	DRV2840	Construction of Manholes	60	24-Jul-20	27-Sep-20	61	61
246		Construction of Access Roads to Village Sites	54	05-Oct-20	27-Nov-20	0	0
247	DRV2850	Placement & Compaction of WBM	32	05-Oct-20	05-Nov-20	0	0
248	DRV2860	Placement & Compaction of TST	22	06-Nov-20	27-Nov-20	0	0
249		Project Handover Phase	417	14-Oct-19	15-Dec-20	0	0
250	DRV2890	Final Inspection & Handover - Shatial Museum only	4	14-Oct-19	17-Oct-19	0	0
251	DRV2900	Final Inspection & Handover	18	28-Nov-20	15-Dec-20	0	0

Gantt Chart of Dasu-RV (5 of 5)

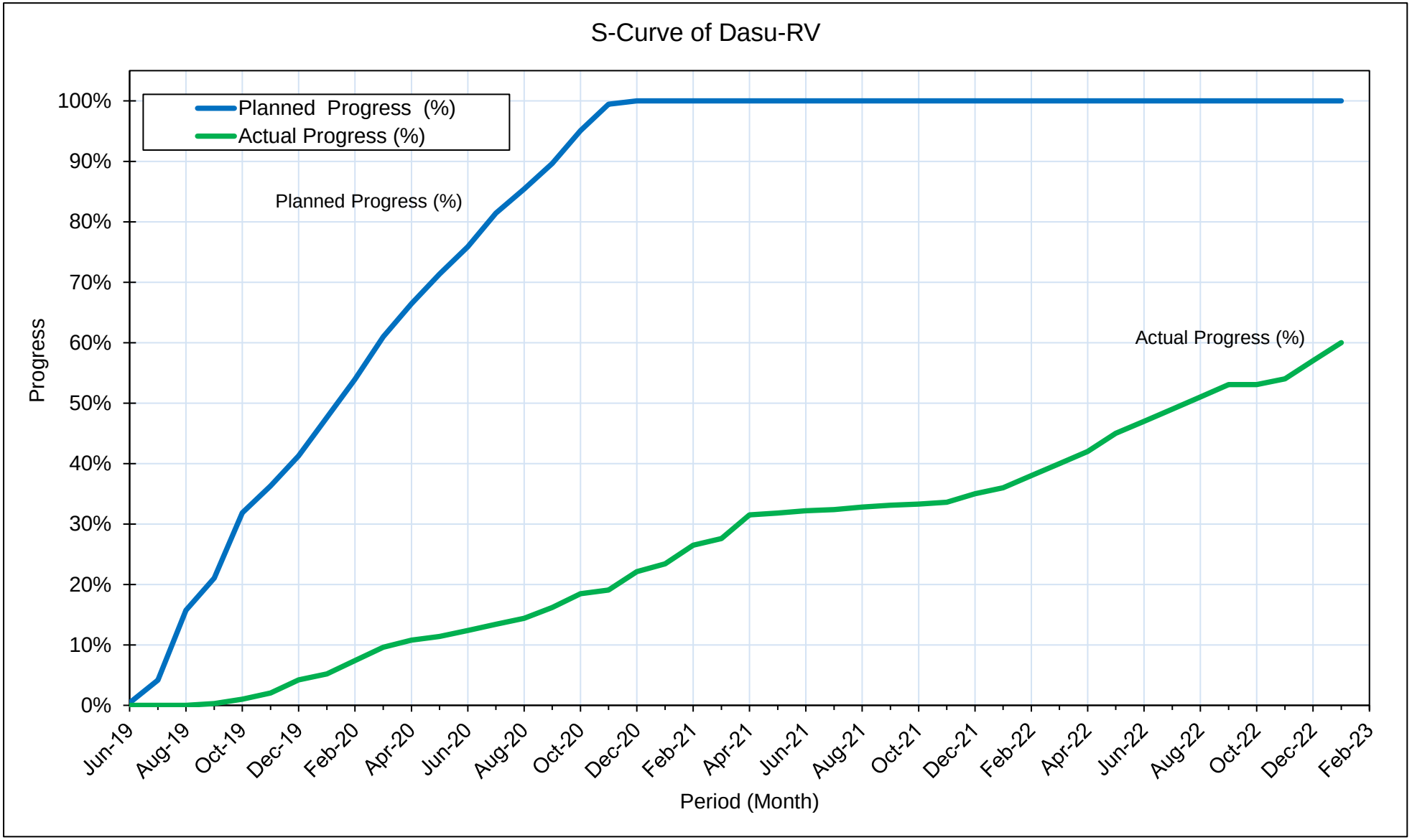


Figure 27: S-Curve for RV

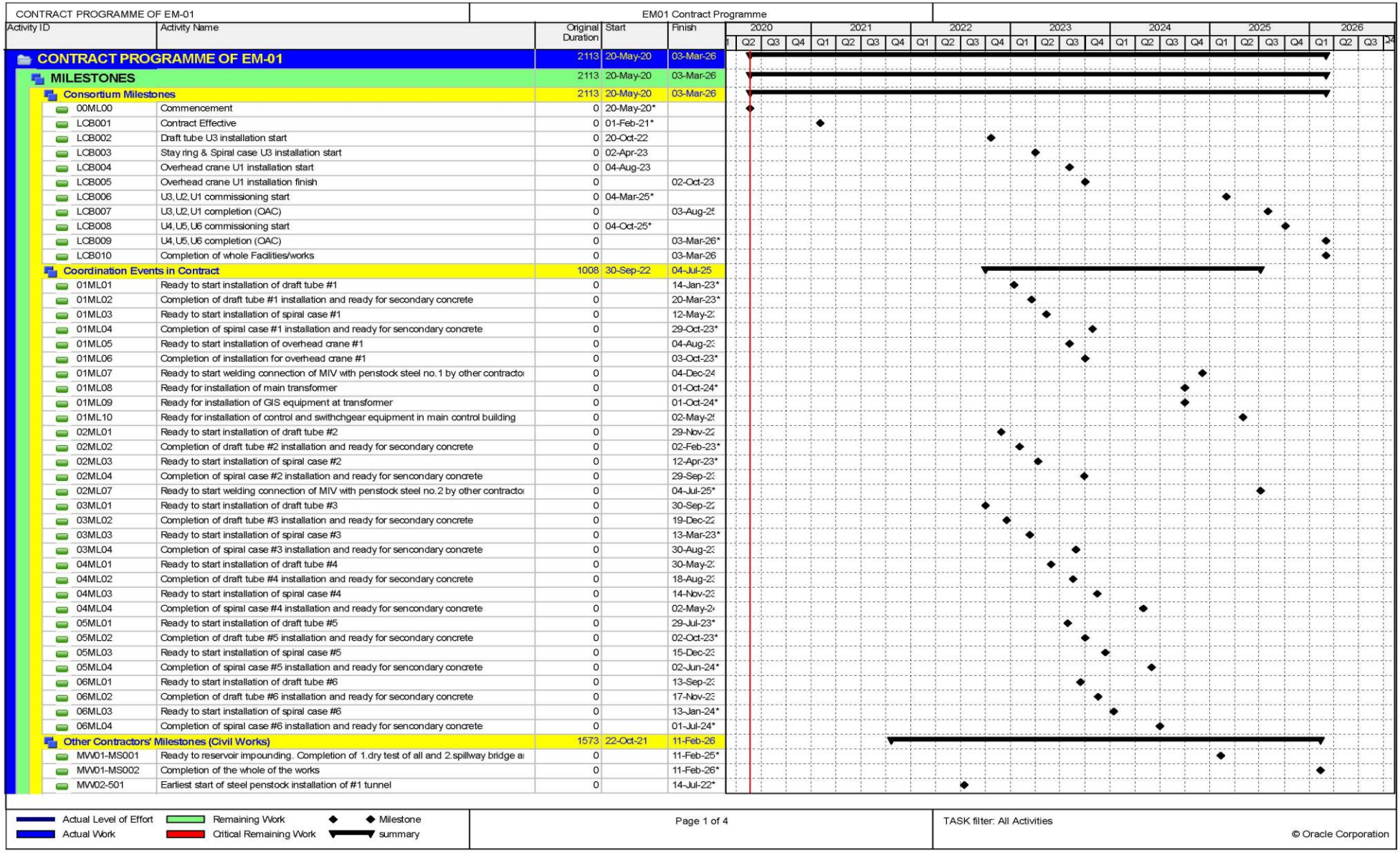
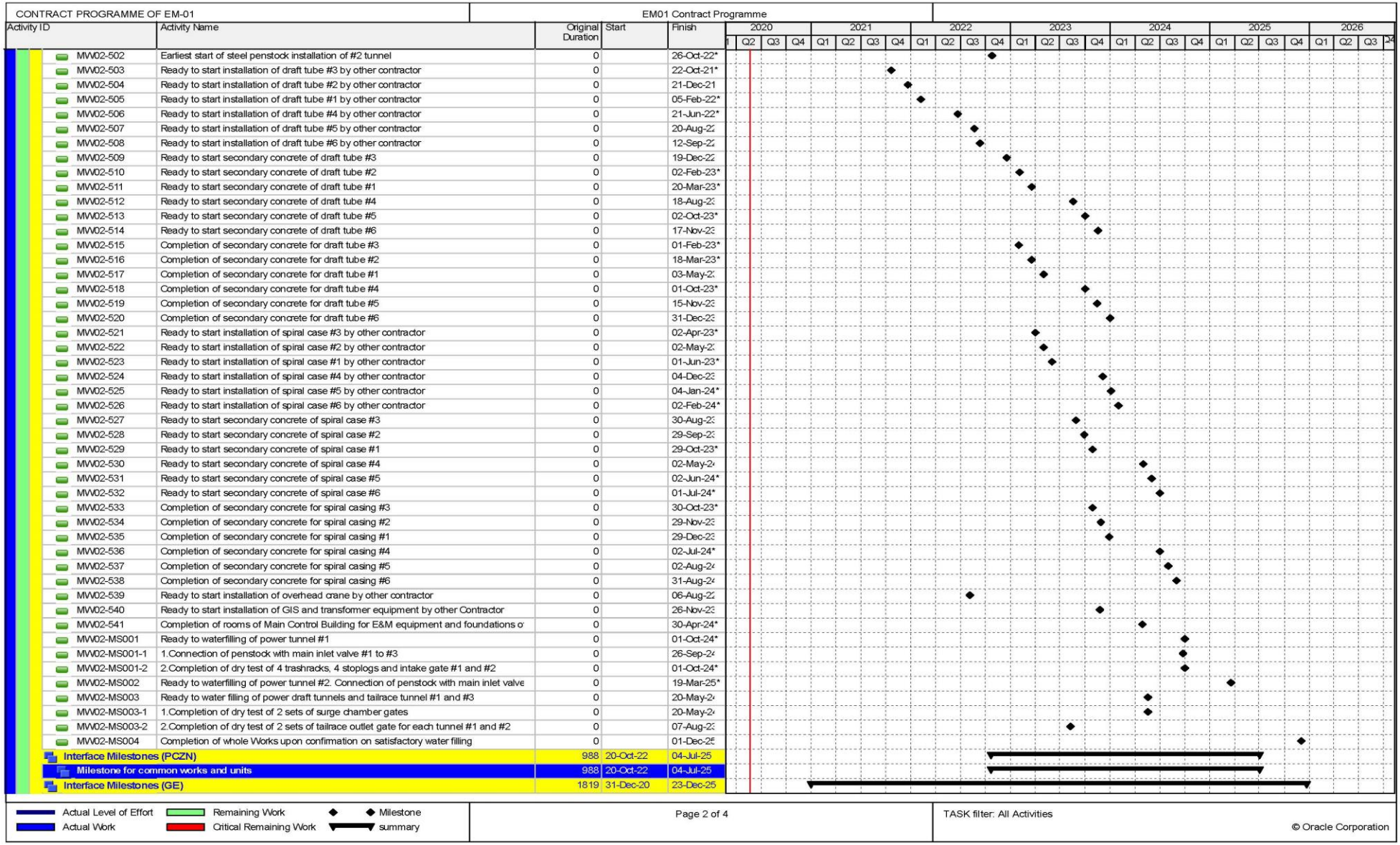


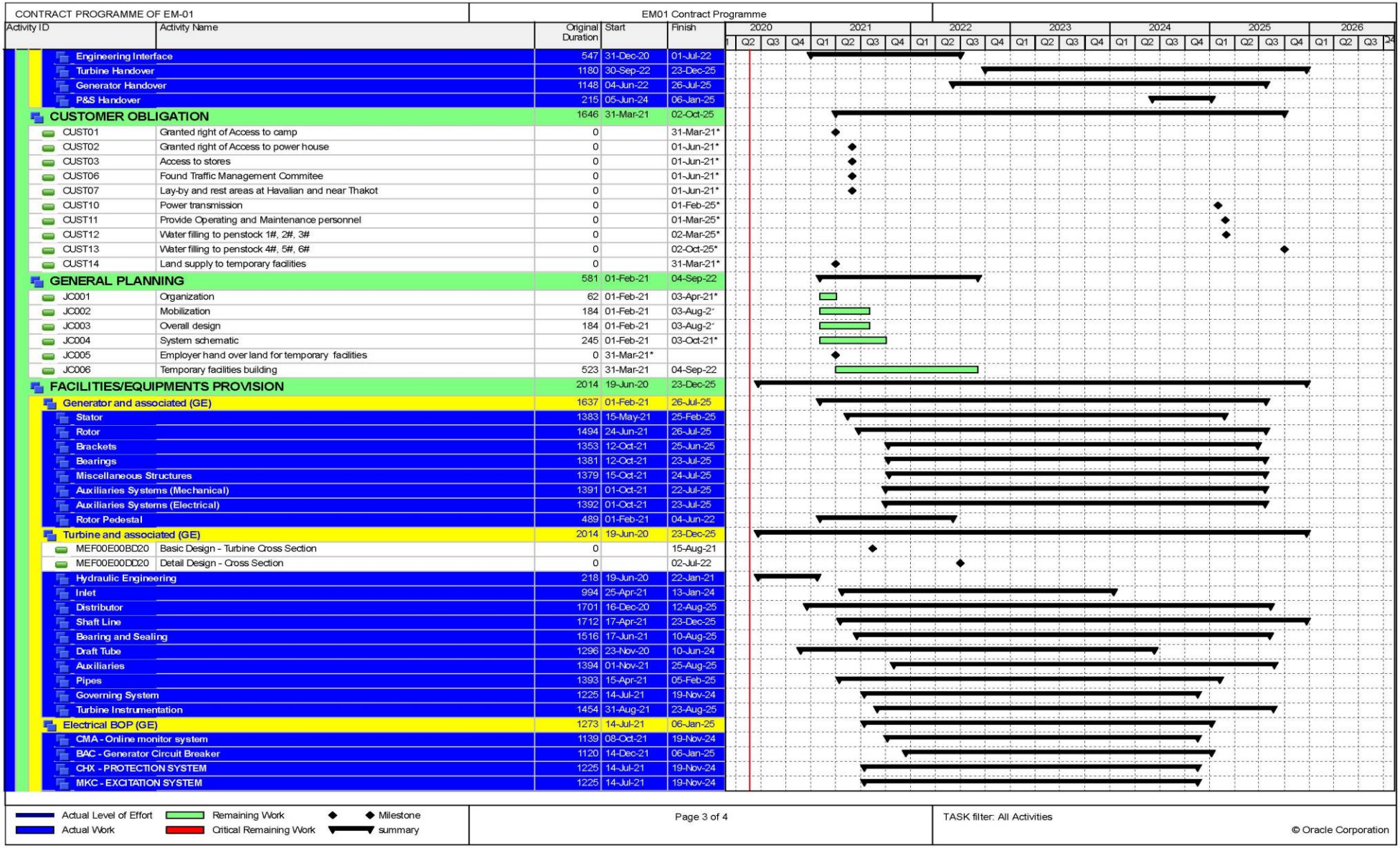
Figure 28: Gantt Chart of Dasu-EM-01 (1 of 4)

Figure 28 [2/4]



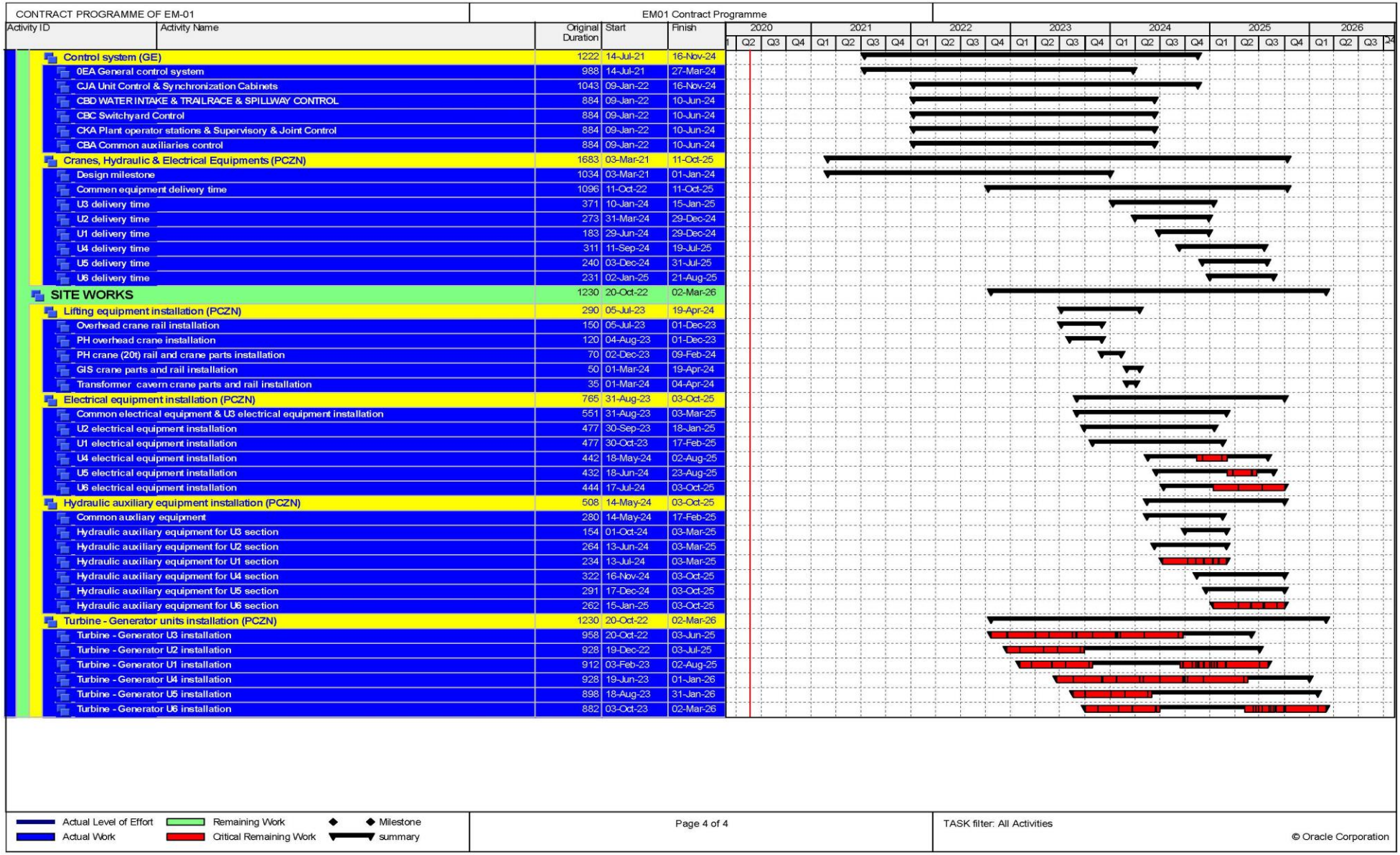
Gantt Chart of Dasu-EM-01 (2 of 4)

Figure 28 [3/4]



Gantt Chart of Dasu-EM-01 (3 of 4)

Figure 28 [4/4]



Gantt Chart of Dasu-EM-01 (4 of 4)

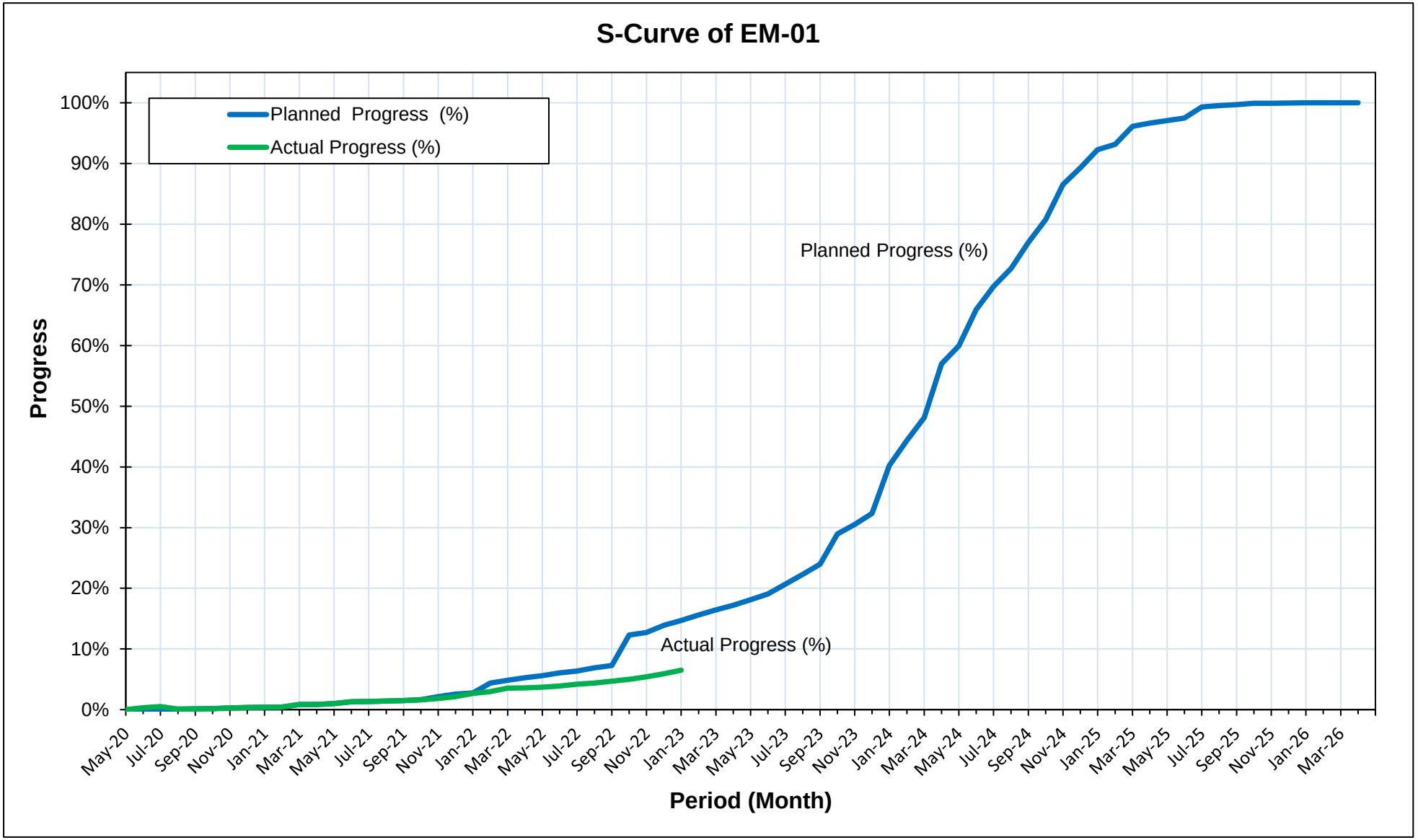


Figure 29: S-Curve for EM-01

APPENDICES

APPENDIX A
Project Activities Pictorial

Appendix A: Project Activities Pictorial

Monthly Spot Monitoring Activity on 16th of Jan 2023

Joint visit to KKH-02 working sites for resumption of works

Monthly Progress Review Meeting on 31st of Jan 2023

Photographs of OHS Section

DHC OHS verifying pre-start hazard assessments and first aid box availability at Siglo MW01

DHC OHS Professionals conducting AFI inspection of first aid station at Uchar Camp MW01

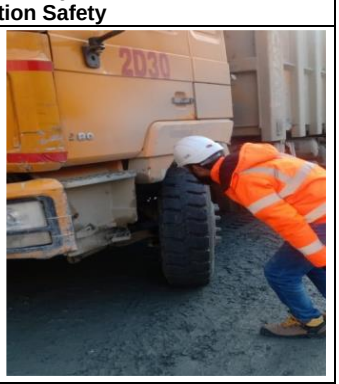
During the joint inspection with CGGC & WAPDA at KKH-02

A view of joint inspection with WAPDA and CGGC at CT2 MW-02

A view of training conducted by DHC OHS on Incident Investigation and 5 Whys analysis

A view of training conducted by DHC OHS on Dam Construction Safety

Monthly fire truck inspection conducted byDHC OHS at Barseen Camp



DHC Equipment Assessor inspecting CGGC heavy equipement at CR-09 MW-02

DHC OHS attending TBT at camp site with CCECC KKH01 workers

A view of DHC OHS Professional conducting TBT

Third party auditor visit to KKH-01 Camps

Third party auditor visit to first aid station at Barseen Camp

Third party auditor visit to Powerhouse MW-02

Third party auditor visit to KKH-02 worksites

Training conducted by Bureau Veritas for PMU, DHC and Contractors

Monthly OHS Progress Review Meeting with RAR-02 Contractor

Safety awards organized by CGGC at RAR-02 sites

Medical Evacuation Drill conducted by CGGC at Doga RAR-02

NK Internal Auditor meeting with the World Bank

Courtesy visit to the KPK District Commissioner by the NK OHS Director and NK Dir. Security Service.

TBTs conducted by CGGC at MW-02

Joint MEDEVAC drill conduted by Security personal and Rescue 1122 insde the tunnels

Photographs of Social & Resettlement Section

Meeting with World Bank Mission along with new NESPAK Consultants on 05-01-2023

Staff working on distribution of compensation cheques at DC Office

CDC members from WAPDA and DHC present at DC Office during compensation disbursement

AHH from various components signing on TRP files for cheques receiving

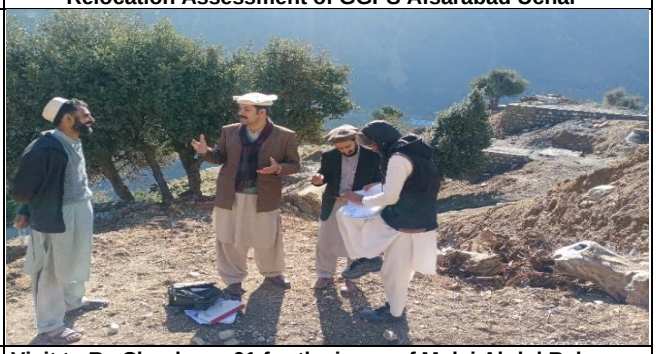
DHC staff completing TRP payment files with AHHs

WAPDA staff presenting allowances payment cheques to the AHH

Budgeting and Accounts Officer WAPDA is presenting TRP payment cheque to AHH

Consultative meeting about WAPDA Offices and Colony design is being held with team of Infrastructure section.

Consultation meeting with community of RV Khush 1, is in progress near DHC office regarding water source availability.

Public Consultation team is holding a meeting with community members RV Khush 01 is being held to discuss the final allocation plan.	Public Consultation team meeting NESPAK team is in progress.
Meeting of DMC employees in DHC with DMC MD	Relocation Assessment of GGPS Afsarabad Uchar
	
Consultation Meeting with the AHHs of RV Khushi for sahring of plots allocation plan and Water supply Issue.	Visit to Rv Chuchang-01 for the issue of Molvi Abdul Rahman Plots design
Relocation Assessment of GPS Seer Gayal	Relocation Assessment of GGPS Seer gayal
Relocation Assessment of GGPS Siglo	Relocation Assessment of GPS & GHS Seo

Relocation Assessment of Joint Assessment team GPS & GHS Seo

Coordination meeting with ADEO (P&D) regarding the relocation Assessment of Affected Schools due to DHPP

Coordination Meeting with ADEO for the relocation assessment of affected schools due to DHPP.

Meeting with Soniwals community regarding identification of affected soniwals and project allowances

Photographs of KKH-01 & 02, RAR-01 & 02 & TL-01

Excavtion and loading at Zero Point 3rd Bench RD=K1+500-1+550

Slope protection works at Zero Point third bench

Drilling for Blasting in Logro-A RD=K9+315

Drilling for canopy pipes at Logro-B Outlet

Excavtion at Dugah Tunnel outlet Area

Gabion at K13 RAR02

Blasting at Seer Gayal Access Road

Drilling for Blast at K45 Access Road

Stone Masonry R/Wall K1+252 (KOMILA BYPASS)

Stone Masonry Protection Works (KOMILA BYPASS)

Excavation for R/Wall foundation k1+290 (Komila Bypass)

Retaining Wall Works K1+260 (Komila Bypass)

Construction of Breast wall at access road of Grid Station.

Steel fixing for Gantry concrete

Excavation/cutting at Alignment-1 of access road

Excavation/cutting at Alignment-2 of access road

Photographs of MW-01 & 02

Outlet area

Siglo Crushing plant

DT-B outlet

DT-A outlet

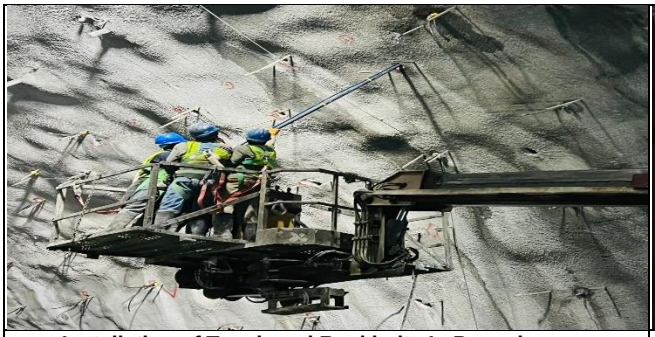
DT-A underground

DT-B Inlet Dyke

DT-B Inlet

RB DT Inlet

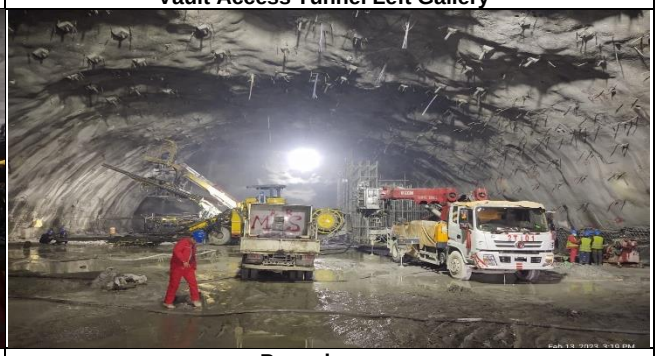
Cut-Off wall



Installation of Tensioned Rockbolts In Powerhouse

Vault Access Tunnel Left Gallery

Tailrace Tunnel-1



Powerhouse

Adit Draft Tunnel-Right Side

Grouting of Tensioned Rockbolts In Powerhouse

Photographs of Infrastructure Section

Stone masonry retaining wall is in progress

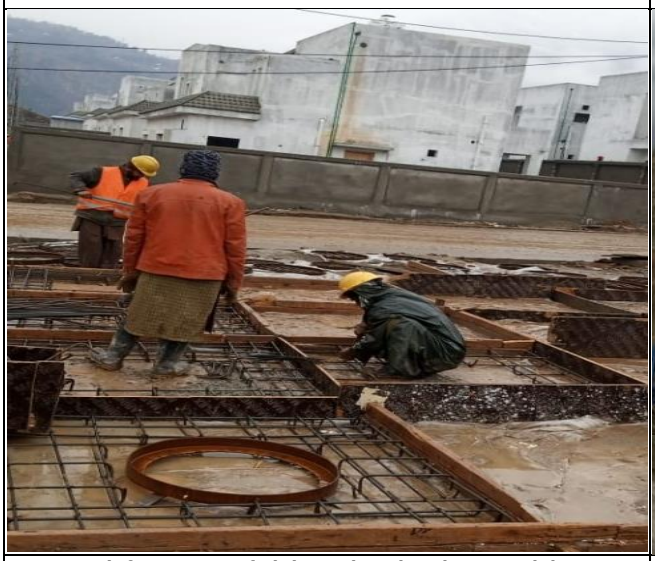
RCC wall in progress choochnage site 01

Retaining wall work in progress at kuz choochnage lower portion

Working of Mosque in progress choochnage site 1

Cat 2B part 12 seepage at Dome

Main Septic tank Type A near relocated KKH steel fixing is in progress



Reinforcement of sluice valve chamber top slab

Excavation of water supply & sewage line at S 5 Road For Hostel cat 2B & 2A

Tuff tile Working Finish in Front of Project Office

APPENDIX B
The Envisaged Man Months

Appendix B: The Envisaged Man Months (MMs)

Months (in the form of Bar Chart)

No	Name	Position	Firm	2021 J F M A M J J A S O N D (78–89)	2022 J F M A M J J A S O N D (90–101)	2023 J F M A M J J A S O N D (102–113)	2024 J F M A M J J A S O N D (114–125)	2025 J F M A M J (126–131)	AM-4 (B) from Aug-14 to June-2025	Activities Performed up to Previous Month	Activities Performed This Month	Total Actual Utilized MMs	Balance MMs
Board Member													
1	Mr. Akio Katayama	Board Member	NK										
2	Mr. Irfan Aker	Board Member	Dolsar										
3	Mr. Muhammad Munir Ch.	Board Member	DMC										
4	Mr. Ijaz Ahmad Khan/ Mr. Foad Hussain	Board Member	NDC										
5	Mr. Sohail Anwer	Board Member	PES										
Key Personnel													
K1	Mr. Motohiko Iijima/ Mr. Radovan Miljanovic/ Mr. Motohiko Iijima/ Mr. Christopher J. Ashdown/ Mr. Fidencio Mendez	Project Manager/ Construction Manager	NK						106.61	73.24	1.00	74.24	32.37
K2	Mr. Zia Ul Hassan	Deputy Project Manager	DMC						40.99	40.99	-	40.99	-
		Coordinator	DMC						57.95	34.47	0.75	35.22	22.73
K3	Osman TUFAN/ Mr. Sabahattin Yenimol/ Mr. Naim Karaman	QA/QC Manager / Deputy Project Manager-C	Dolsar						100.30	84.23	0.83	85.06	15.24
K4	Mr. Nicholas Felix/ Mr. Roger J. Wilkins/ Mr. Nicholas Felix	Head Contracts and Procurement	NK						60.96	40.96	0.87	41.83	19.13
K5	Dr. Yang Pucai	Chief Geologist A	NK						27.34	18.61	-	18.61	8.73
K6	Mr. Tatsuo Hashiguchi/ / Mr. Radovan Miljanovic/ Mr. Hironobu Nishimya	Chief Resident Engineer	NK						84.44	68.61	1.00	69.61	14.83
K7	Mr. Najeeb-ur-Rehman Qureshi / Sajid Mehmood Malik/ Anwar Ahmad Khan/ Naveed Anwar Khan	Resident Engineer (Roads) (Assistant)	NDC						100.64	87.14	1.00	88.14	12.50
K8	Mr. Toshio Kawagoe/ Mr. Kazuhiro Kochi	Resident Engineer (Dam)	NK						54.54	36.54	-	36.54	18.00
K9	Mr. Hidenori Matsuura/ Mr Michael Gerard Gabriel Canny	Resident Engineer (Powerhouse)	NK						55.15	39.21	-	39.21	15.94
K10	Mr. İzzettin İSTANBULOĞLU / Mr. Birol Murat Erdolu	Resident Engineer (Tunnel-A)	Dolsar						1.00	-	-	-	1.00
K11	Mr. Kenji Seto/ Mr Sadahiro Kato	Resident Engineer (Mechanical)	NK						20.79	8.10	-	8.10	12.69
K12	Mr. Akira Odatai	Resident Engineer (Hydraulic Steel Structures)	NK						12.48	4.98	-	4.98	7.50
K13	Mr. Shuji Nakata	Resident Engineer (Electrical)	NK						36.90	25.61	0.20	25.81	11.09
K14	Mr. Wazir Muhammad/Abdus Salam Shaheen/ Mr. Muhammad Riaz	Resident Engineer (Transmission)	NDC						89.23	83.89	0.50	84.39	4.84
K15	Mr. Hasan ÇULHA	Resident Engineer (Hydraulic Steel Structures A)	Dolsar						1.00	-	-	-	1.00
Supporting Technical Staff													
K16	Hitoshi Egawa	Transmission Expert	NK						0.09	0.09	-	0.09	-
K17	Not Applicable	Resident Engineer (Assistant) (Infrastructure and Buildings)	PES						-	-	-	-	-
K18	Mr. Muhammad Younas	Chief Quantity Engineer	PES						-	-	-	-	-
K19	Mr. Tamotsu Kiuna / Mr. Toshio Kawagoe / Mr. Tatsuya Miyazato	Chief Design Engineer (Dam & Appurtenant Structures) / Chief Design Engineer (Mainworks) / Deputy Project Manager-B	NK						44.98	31.01	0.87	31.88	13.10
K20	Mr. Tatsuya Miyazato / Mr. Yoshiaki Samejima	Chief Design Engineer (Power House Complex)	NK						68.10	56.37	1.00	57.37	10.73
K21	Mr. Cemalettin SEZER / Mr. M. Engin Gunindi	Chief Design Engineer (Waterway)	Dolsar						27.57	10.37	-	10.37	17.20
K22	Muhammad Afaq/TBN	Chief Document Controller	NDC						26.96	26.96	-	26.96	-
K23	Mr. Motoyoshi Kawashima	Specification Expert (Civil)	NK						-	-	-	-	-
K24	Mr. Akihisa Manita	Specification Expert (Electrical/Mechanical)	NK						-	-	-	-	-
K25	Mr. David Cameron	Monitoring Expert (Dam)	NK						0.45	-	-	-	0.45
K26	Dr. Akinori Hasui / Dr. Senro Kuraoka	Monitoring Expert Underground)	NK						1.00	-	-	-	1.00
K27	Dr. Malcom Dunstan	RCC Dam Specialist	NK						10.52	5.08	0.06	5.14	5.38
K28	Mr. Makoto Nakagawa	Underground Complex Expert	NK						0.90	0.90	-	0.90	-
K29	Dr. Muhammad Zaman	Social / Resettlement Advisor-A	NK						13.26	11.32	-	11.32	1.94
K30	Mr. Sunil Gonetilleke	Social / Resettlement Advisor-B	NK						3.50	3.50	-	3.50	-
K31	Dr. Venkata Nukala	Environmental Advisor-A	NK						13.01	9.73	-	9.73	3.28
K32	Mr. Malcolm Winsby	Ecologist	NK						-	-	-	-	-
K33	Dr. Masud Karim	Environmental Advisor-B & OHS Expert	NK						29.55	23.55	0.91	24.46	5.09
K34	Mr. Kenichi Tanaka/ Mr Hiroshi OGAWA	Geotechnical Engineer	NK						47.09	35.37	1.00	36.37	10.72
K35	Mr. Junichi Fukuwatari	Dam Design Specialist	NK						36.37	22.60	1.00	23.60	12.77
K36	Takamasa Makino	Underground analysis specialist	NK						4.00	1.76	0.24	2.00	2.00
K37	Mr. Ali Onur Kuyucak/ Mr. Mehmet Serdar Erler/ Mr. Bayraktar Bayraktar/ Mr. Hulusi Haluk CEBECI	Resident Engineer (Road Construction, KKH-01 & RAR-01)	Dolsar						80.70	64.70	0.57	65.27	15.43
K38-1	Dr. Tatsuo Iryo/ Mr. Benito M. Nepomuceno / Mr.Juan Carlos Hernandez	Schedule & Analysis Specialist	NK						79.37	64.44	0.63	65.07	14.30
K38-2	Dr. Tatsuo Iryo	Resident Engineer (Surge Chamber and tunnels)	NK						4.07	2.07	-	2.07	2.00
K39	Mr. M. Melih Kaleli/ Mr Batuhan Ozdemir	Resident Engineer (Road Tunnel, KKH-01 &KKH-02)	Dolsar						29.03	12.77	1.00	13.77	15.26
K40	Mr. Mustafa Caliskan	Building Engineer	Dolsar						1.00	-	-	-	1.00
K41	Mr. N. Naci Gomeclioglu	Utility Specialist	Dolsar						1.51	-	-	-	1.51
K42	Mr. Hiromichi Mochizuki	System Control Engineer	NK						2.00	-	-	-	2.00
K43	Mr. Shahid Goheer/ Mr. Amir Nazir	Chief Social & Resettlement	DMC						119.17	97.49	1.00	98.49	20.68
K44	Mr. Muhammad Hanif / Mr Imtiaz Hussain	Resident Engineer (L) (Infrastructure and Buildings)	PES						60.73	43.49	1.00	44.49	16.24
K45	Mr. Bilal Ahmad/ Mr. Tariq Masud/ Mr. Sarfraz Naseer/ Mr Yousaf Khan	Chief Engineer Technical / Deputy Project Manager-A (Site)	NDC						115.97	79.80	1.00	80.80	35.17
K46	Susumu Sato	Grout Expert(Dam and Tunnels)	NK						8.50	-	-	-	8.50
K47	Mr. Abdul Rauf / Mr. Raheel Ahmad Rana	MFO / Chief Geologist B / Chief Contract Engineer-B	DMC						53.71	27.44	0.93	28.37	25.34
	Mr. Raheel Ahmad Rana	Principal Contract Engineer-B	DMC						6.93	6.73	-	6.73	0.20
K48	Mr. Muhammad Irfan Qureshi	Chief Hydraulic Engineer	NDC						9.60	7.60	-	7.60	2.00

Months (in the form of Bar Chart)

No	Name	Position	Firm	2021	2022	2023	2024	2025	AM-4 (B) from Aug-14 to June-2025	Activities Performed up to Previous Month	Activities Performed This Month	Total Actual Utilized MMs	Balance MMs
				J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J					
				78 79 80 81 82 83 84 85 86 87 88 89	90 91 92 93 94 95 96 97 98 99 100 101	102 103 104 105 106 107 108 109 110 111 112 113	114 115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131					
K49	Mr. Ghulam Ahmed Qazi / Mr. Israr Ahmad Niazi / Mr. Rashid Ullah Beg	Chief Engineer TL / HVAC Specialist / Evaluator for Air Transportation Facility	PES						14.58	10.58	-	10.58	4.00
K50	Mr. Abdul Waheed Mir	Chief Survey Engineer	PES						18.21	18.21	-	18.21	-
K51	Mr. Naseer-ud-Din Hashmi / Mr. Intisab Ahamd	Chief Contract Engineer-B / Chief Geotechnical Engineer	NDC						5.48	5.48	0.50	5.98	(0.50)
K52	Not Applicable	Principal Geotech / Grout Expert	NDC						-	-	-	-	-
K53	Mr. Motohiko Iijima/ Mr. Christopher J. Ashdown / Mr. Motohiko Iijima/ Mr. Octavio Leiva/ Mr. Motohiko Iijima	Project Coordinator	NK						5.82	5.82	-	5.82	-
			NK						8.08	5.79	-	5.79	2.29
K54-1	Mr. Batuhan OZDEMIR/Mr. Mehmet Ali TASDEMIR	Construction Technical Adviser-1-1 (Roads)	Dolsar						-	-	-	-	-
K54-2	Mr. Alican ARSLAN/ Mr. Birol Murat Erdolu	Construction Technical Adviser-1-2 (Tunnels, Mainworks)	Dolsar						59.19	42.61	1.00	43.61	15.58
K55-1	Mr. Alberto S. Belino/ Mr. Hidenori Matsuura/ Mr. Shohei Yamamoto/ Mr. Hirotaka KOIZUMI	Construction Technical Adviser-2 (Infrastructures)	NK						14.44	10.53	-	10.53	3.91
K55-2	Mr. Alberto S. Belino/ Mr. Yoshiaki Samejima/ Mr. Alberto S. Belino	Construction Technical Adviser-2 (Underground Complex)	NK						32.82	27.01	0.30	27.31	5.51
K56	Mr. Ali MUrat Ozbek	Construction Technical Adviser-3 (Dam)	NK						36.48	21.36	0.70	22.06	14.42
K57	Mr. K. Nagata/Yamashita	Project Finance Specialist	NK						-	-	-	-	-
K58	Mr. Rene M. Tamayo/ Mr. Sebastian C. Julian, Jr/ Mr. Yoshiharu Fukuda/ Mr. Tetsushi Zushiden/Mr. Yoshiharu Fukuda/ Mr. Tateki Kan	Resident Engineer (Infrastructure Development)	NK						48.66	44.16	1.00	45.16	3.50
K59	Mr. Zafar Iqbal Ch.	Chief Environmentalist	NDC						61.66	51.12	0.60	51.72	9.94
K60	Mr. Mehmet Ali TASDEMIR/Mr. Ilhan BORA	Resident Engineer (Road Construction, KKH-02 & RAR-02)	Dolsar						68.88	52.64	0.90	53.54	15.34
K61	Mr. Yohei Aoki/ Mr. Kazuyuki Nagaki/ Mr. Takenori Kono/ Mr. Nguyen Huu Duong	Assist. Design Engineer (UG)	NK						55.72	41.56	0.57	42.13	13.59
K62	Mr. Hakan BUYUKCOBAN/ Mr. Erkan Bozkurt/ Mr. Selcuk GENC	Assist. Design Engineer (Tunnel, Mainworks)	Dolsar						54.19	39.15	1.00	40.15	14.04
K63	TBN	Financial Expert	DMC						-	-	-	-	-
K64	Bernhard Eder	Public Health Advisor	NK						1.41	1.41	-	1.41	-
K65	Mr. Takaaki Ogawa	Water Supply Engineer	NK						1.30	1.30	-	1.30	-
KNP1	Mr. Tatsukichi Tanaka	Rock Mechanics Test Engineer	NK						-	-	-	-	-
KNP2	Mr. Nicholas Felix/ Mr. Derek Mc Elearney / Mr Neil White	Contract Engineer-1	NK						45.44	31.74	0.83	32.57	12.87
KNP3	Burhan Arioz	Trnasmission Line and Grid Station Speicalist	Dolsar						9.17	4.90	0.76	5.66	3.51
KNP4	Dr Paul James	Resident OHS Expert	NK						2.77	2.77	-	2.77	-
KNP5	Mr. Serkan Harmandar	Tunnel Design Engineer (KKH-01 & 02)	Dolsar						40.84	31.01	0.57	31.58	9.26
KNP6	Mr.Akihito MUKAI	Land Survey Expert	NK						0.30	0.30	-	0.30	-
KNP7	Mr.Hiroaki MATSUMOTO	UAV Survey Expert	NK						0.30	0.30	-	0.30	-
KNP8	Mr. Yuzo NAKANO	Road/Bridge Engineer	NK						3.47	0.47	-	0.47	3.00
KNP9	Mr. Daisuke OHARA	Seismologist	NK						0.87	0.87	-	0.87	-
KNP10	Mr. Masashi Imano	Computational Fluid Dynamics Engineer	NK						8.01	5.01	-	5.01	3.00
KNP11	Mr. Ali Onur Kuyucak	Bridge Design/ Supervision Engineer	Dolsar						14.00	3.08	-	3.08	10.92
KNP15	Mr. T. Kan	Dam Construction Specialist	NK						1.80	-	-	-	1.80
KNP16	Mr. Hojjat Hosseinzadeh	RCC/CVC Mix Expert	Dolsar						31.10	14.69	1.00	15.69	15.41
KNP17	TBN	Road Design/ Supervision Engineer (KKH-02, RAR-02, KKH-01, RAR-01)	Dolsar						1.00	-	-	-	1.00
KNP18	Monica SUAREZ	Turbine Model Test Expert	NK						0.40	-	-	-	0.40
KNP19	Mr. Takeshi WAKUI	Hydro-mechanical Engineer	NK						0.20	-	-	-	0.20
KNP20	Mr. Ryousuke TOKUNAGA	Electro-mechanical Engineer	NK						0.70	-	-	-	0.70
KNP21	Mr. Masaki WADA/ Mr. Masayuki FUJII	Construction & Cost Estimate	NK						4.55	4.55	-	4.55	-
KNP22	Mr. Kazyuki Nagaki	Structural Engineer	NK						1.25	1.25	-	1.25	-
KNP23	Mr. Yusaku MAKITA	Economic Analysis	NK						0.60	0.60	-	0.60	-
KNP24	Hidehisa TAMURA	Construction Planner/Cost Estimator	NK						8.75	4.43	-	4.43	4.32
	WAPDA's professional	Senior geologist (2 persons x 36month)							-	-		-	-
	WAPDA's professional	Junior geologist (4 persons x 72 month)							-	-		-	-
	WAPDA's professional	Junior civil engineers (4 persons x 72 month)							-	-		-	-
								Grand Total	2,412.4	1,776.4	27.09	1,803.5	608.9
								Nk	1,110.10	794.88	12.18	807.06	303.05
								Dolsar	520.48	360.15	7.63	367.78	152.70
								Local	781.81	621.39	7.28	628.67	153.14
Local Technical Staff													
L1	Mr. Aamar Bashir/ Mr. Zain-ul-Abideen/ Mr. Habib Ullah	Sr. Site Engineer (Diversion Dam)	NDC						68.64	40.88	1.00	41.88	26.76
L2	Mr. Muhammad Awais/ Mr. Tufail Aziz/ Mr. Raja Babar Maqbool	Jr. Site Engineer (Diversion Dam-1)	NDC						60.13	31.03	1.00	32.03	28.10
L3	Mr. Adeel Haider Razi/ Muhammad Asif	Jr. Site Engineer (Dam-2) (Flushing Tunnel)	DMC						41.16	41.16	-	41.16	-
L4	Mr. Imran Khan/ Mr. Muhammad Saleem	Jr. Site Engineer (Dam-3)	PES						29.00	6.50	1.00	7.50	21.50
L5	Mr. Hammad Hassan/ Mr Habib ur Rehman	Sr. Site Engineer (Spillway)	NDC						24.00	8.37	1.00	9.37	14.63
L6	Mr Munib Tariq	Jr. Site Engineer (Spillway)	DMC						-	-	-	-	-
L7	Mr. Amjad Islam	Jr. Site Engineer (Intake, Power Tunnel)	PES						-	-	-	-	-
L8	Mr. Sheharyar Ali Khan/ Mr. Arshad Hussain	Jr. Site Engineer-1 (Intake, Power Tunnel-1)	PES						58.09	41.02	0.93	41.95	16.14
L9	TBN	Jr. Site Engineer-2 (Intake, Power Tunnel)	NDC						36.00	-	-	-	36.00
L10	Mr. Zain-ul-Abideen/ Mr. Habib Ullah	Sr. Site Engineer (Powerhouse-1)	NDC						85.86	57.86	1.00	58.86	27.00
L11	Malik Asif Rehman	Jr. Site Engineer (Powerhouse-1)	PES						25.00	2.33	1.00	3.33	21.67

Months (in the form of Bar Chart)

No	Name	Position	Firm	2021	2022	2023	2024	2025	AM-4 (B) from Aug-14 to June-2025	Activities Performed up to Previous Month	Activities Performed This Month	Total Actual Utilized MMs	Balance MMs
				J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J					
				78 79 80 81 82 83 84 85 86 87 88 89	90 91 92 93 94 95 96 97 98 99 100 101	102 103 104 105 106 107 108 109 110 111 112 113	114 115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131					
L12	Mr. Sajjad-ul-Hassan	Jr. Site Engineer (Powerhouse-2)	PES						18.11	1.80	1.00	2.80	15.31
L13	Mr. Habib-ur-Rehman/ Mr. Khurram Shahzad	Sr. Site Engineer (Tailrace, Outlet)	NDC						41.50	15.97	1.00	16.97	24.53
L14	Mr. Abdul Hafeez/ Mr. Muhammad Hamza Baig	Jr. Site Engineer (Tailrace, Outlet)	NDC						41.50	11.67	1.00	12.67	28.83
L15	Mr. Meer Abdul Qayyum Babar/ Mr. Shahbaz Hassan	Sr. Site Engineer (Mechanical)	DMC						20.51	1.05	-	1.05	19.46
L16	Mr. Shahbaz Hassan/ TBN	Jr. Site Engineer (Mechanical-1)	NDC						39.05	10.55	-	10.55	28.50
L17	Mr. Waqas Khwaja	Jr. Site Engineer (Mechanical-2)	PES						28.50	-	-	-	28.50
L18	Mr. Jahanzaib Alam / TBN	Sr. Site Engineer (Electrical)	DMC						24.00	-	-	-	24.00
L19	Mr. Aqeel Ahmad Khan/ Mr.Muhammad Yahya Khan	Jr. Site Engineer (Electrical-2)	DMC						80.77	76.04	1.00	77.04	3.73
L20	Mr. Tahir Kahlil	Sr. Site Engineer (T/L)	NDC						89.73	83.45	1.00	84.45	5.28
L21	Mr. Zafar-ul-Mulk	Jr. Engineer (T/ L)	PES						99.56	94.29	1.00	95.29	4.27
L22	Mr. Haris Qayyum/ TBN	Jr. Site Engineer (T/L&grid Station-1)	DMC						18.88	1.38	-	1.38	17.50
	Mr. Haris Qayyum/ Mr. Wajid Abbasi	Jr. Site Engineer (Electrical)	DMC						55.21	49.21	1.00	50.21	5.00
L23	Mr. Amanullah/ Mr. Shaukat Masud/ Mr. Muhammad Bashir Bangash/ Mr. Aftab Hussain	Sr. Site Engineer (Infrastructure-1 / PH Control Build)	PES						67.84	43.84	1.00	44.84	23.00
L24	Mr. Muhammad Khurram / Mr. Asif Kahlid / Mr. Saqib Mir	Sr. Site/Design Engineer (Infrastucture-2. PH Control build)	DMC						49.13	33.9	-	33.90	15.23
L25	Mr. Rizwan Qadir/Mr. Ghulam Nabi	Jr. Site Engineer (Infrastucture-1, RAR-01 and Roads)	NDC						70.13	70.56	-	70.56	(0.43)
L26	Mr. Mohammad Daud Jan/ Mr. Anwar-ul-Haq	Jr. Site Engineer (Infrastructure-2)	PES						53.23	41.83	1.00	42.83	10.40
L27	Mr. M. Fahad Naveed Khan/ Mr. Muhammad Asif/ Mr Amir Zada	Jr. Site Engineer (Infrastructure-3)	DMC						74.10	56.69	1.00	57.69	16.41
L28	Mr. Fahid Qadeer Malik	Jr. Monitoring Engineer-1 (Dam, Powerhouse Complex & Tunnel)	NDC						30.00	0	-	-	30.00
L29	Mr. Shahid Ullah	Jr. Monitoring Engineer-2 (Underground Complex)	PES						-	0	-	-	-
L30	Sobia Nazir/ Mr. Asif Mehmood	Sr. Architect / Sr. Quantity Surveyor (Infrastructure & Earthwork)	NDC						69.86	60.93	1.00	61.93	7.93
L31	Mr. Sajid Nawaz Tarrar	Sr. Engineer (Claim and Dispute)	DMC						64.13	42.15	1.00	43.15	20.98
L32	Mr. Syed Haroon Ali Shah	Jr. Utility Engineer (Colony, RV, PH, Control Buildings)	PES						21.50	4.43	0.93	5.36	16.14
L33	Mr. Tariq Javed	Sr. Laboratory Professional-1	NDC						109.50	79.47	1.00	80.47	29.03
L34	Mr. M. Shafique	Jr. Laboratory Professional-1 (Quarry Development)	NDC						36.00	0	-	-	36.00
L35	Mr. Arsala Khan/ Mr. Muhammad Ismail	Jr. Laboratory Professional-2 (batching plant)	DMC						32.00	12.9	1.00	13.90	18.10
L36	Mr. Muhammad Akif/ Mr. Muhammad Waqas Anwar/ Mr. Muhammad Imran Hassan	Sr. Design Engineer-1 (Diversion Dam)	NDC						89.81	68.74	1.00	69.74	20.07
L37	Mr. Hafiz Qadeer Ali Malik/ Mr. Laraib Zaidi	Jr Design Engineer-1 (Diversion Dam)	DMC						55.76	38.14	1.00	39.14	16.62
L38	Mr. Najm ul Hassan	Sr. Structural Design Engineer	PES						22.00	13.57	1.00	14.57	7.43
	Mr. Najm ul Hassan	Sr Design Engineer-2 (spillway)	PES						23.27	1.27	-	1.27	22.00
L39	Mr. Ahmad Riaz	Jr Design Engineer-2 (Spillway, LLO)	PES						23.00	0	-	-	23.00
L40	Mr. Ali Iqbal/ TBN	Sr Design Engineer-3 (Tunnels)	PES						28.21	4.21	-	4.21	24.00
L41	Mr. M. Momin Shahzad	Jr. Design Engineer-3 (Tunnels)	NDC						18.00	0	-	-	18.00
L42	Mr Shah Jahan	Sr Design Engineer-4 (Tunnels)/ Sr Engineer Construction Planning & Costing	DMC						42.13	29.79	1.00	30.79	11.34
L43	TBN	Jr. Design Engineer-4 (Tunnels)	DMC						-	0	-	-	-
L44	Mr. Shaheen Sabir / Mr. Muhammad Akif	Sr Design Engineer-5 (Powerhouse)	DMC						61.67	38.72	1.00	39.72	21.95
L45	Mr. Abdul Waheed Khan / TBN	Jr. Design Engineer-5 (Powerhouse)	NDC						29.55	12.55	-	12.55	17.00
L46	Mr. Ashfaq Ali	Sr Design Engineer-6 (Powerhouse)	PES						24.00	0	-	-	24.00
L47	TBN	Jr. Design Engineer-6 (Powerhouse)	PES						12.00	0	-	-	12.00
L48	Mr. Aurangzeb Irshad/Mr. Anwar Zeb	Sr. Quantity Engineer/ Sr. Construction Planner	PES						107.05	91.32	1.00	92.32	14.73
L49	Mr. Shfaat Iqbal	Sr. Electrical Engineer	DMC						50.94	42.31	1.00	43.31	7.63
L50	Mr Sardar Alam	Sr Survey Engineer/ Sr Environmentalist (MW-01, MW-02, EM-01)	NDC						44.00	14.64	1.00	15.64	28.36
L51	Mr. Muhammad Rasheed/ Mr Sajid Ali Shah	Sr. Design Engineer (KKH01&02)	NDC						52.00	42.00	1.00	43.00	9.00
L52	TBN	Jr. Road Engineer / Jr. M&E Professional (S&R)	PES						18.00	-	-	-	18.00
L53	Mr. Muhammad Usman Yaseen	Sr. Site Engineer (KKH-01, Bridge)	DMC						24.00	11.43	0.93	12.36	11.64
L54	Mr. Muhammad Owais	Sr. Design Engineer (Road 3) (Bridges & Structures)/ Sr. Survey Professional)	PES						114.81	92.44	1.00	93.44	21.37
L55	Mr. Abid Ali / TBN	Jr. Design Engineer(Bridges and Structures)	NDC						20.00	-	-	-	20.00
L56	Mr. Muhammad Aamir Ali/ Mr. Muhammad Rashid	Sr. Design Engineer (Infrastructure)	DMC						63.58	41.47	1.00	42.47	21.11
L57	Mr. Haseeb Akbar/ Mr. Hafiz Awais Danish/ Mr Adil Shakeel	Jr, Design Engineer (Infrastructure-1)/ Jr Contract Engineer	PES						76.05	58.43	1.00	59.43	16.62
L58	Mr Muhammad Mohsin Tariq	Sr. Environmentalist/ Sr Contract Engineer	DMC						20.00	7.27	1.00	8.27	11.73
L59	Mr. Muhammad Waqas Anwar / TBN	Jr, Design & Quantity Engineer (Infrastructure)	NDC						28.05	11.05	-	11.05	17.00
L60	Mr. Muhammad Khalid/ Mr. Noor-ul-Hadi / TBN	Sr. Documents Controller/ Sr. livelihood Specialist	DMC						41.38	41.38	-	41.38	-
L61	Mr. Naveed Anwar Khan / TBN	Sr. Site Engineer (HS-A, Dam)	NDC						24.50	-	-	-	24.50
L62	Mr. Fuzail Arif	Jr. Site Engineer (HS-A, Dam)	PES						24.50	-	-	-	24.50
L63	Mr. Zohaib Ansar	Sr. Site Engineer (HS-B, Underground)	PES						18.00	-	-	-	18.00
L64	Mr. Muhammad Shah Ahmad	Jr. Site Engineer (HS-B, Underground)	NDC						22.00	-	-	-	22.00
L65	Mr. Illyas Hussain Qureshi/ Mr. Abrar Shah Tipu/ Mr. Kashan Arshad / TBN	Sr. Site Engineer (Road-A) (KKH-02)	NDC						46.05	22.05	1.00	23.05	23.00
L66	Mr. Jalil Ahmad	Jr. Site Engineer (Roads)	NDC						32.64	8.64	-	8.64	24.00
L67	Mr. Abrar Ullah/ Mr. Bilal Ahmed	Sr. Site Engineer (Road-B) (RAR1)	PES						99.71	88.68	0.93	89.61	10.10
L68	Mr. Khurram Shahzad/Mr. Zaka-Ur-Rehman / Mr. Muhammad Usman Yaseen	Jr. Road Engineer (KKH-02)	PES						74.82	70.94	-	70.94	3.88
L69	Mr. Muhammad Imran Hanif	Sr. Site Engineer (Road-C) (Resettle/ Internal road, KKH-01)	NDC						78.33	61.33	1.00	62.33	16.00

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				J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J					
				78 79 80 81 82 83 84 85 86 87 88 89	90 91 92 93 94 95 96 97 98 99 100 101	102 103 104 105 106 107 108 109 110 111 112 113	114 115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131					
L70	Mr. Nawazish Ali / TBN	Jr. Site Engineer (Road-C) Resettlement /Internal road)	DMC						71.73	47.73	-	47.73	24.00
L71	Mr. Mohsin Mehdi / TBN	Sr. Hydropower Engineer / Sr. Site Engineer (Powerhouse-2)	PES						30.55	2.55	-	2.55	28.00
L72	Mr. Moin-un-din	Sr. Geologist-1 (Roads)	DMC						115.26	98.51	1.00	99.51	15.75
L73	Mr. Habib Shah	Sr. Geologist-2 (Bridges & Colony & Main works)	NDC						111.84	95.13	1.00	96.13	15.71
L74	Mr. Shafiq-ur-Rehman / TBN	ARE Roads (KKH-02, RAR-02)	DMC						39.70	15.70	-	15.70	24.00
L75	Mr. Kamran Gull/ Mr. Fazle Subhan	Jr. Utility Planning/Jr. Survey Professional	PES						84.23	71.64	1.00	72.64	11.59
L76	Mr. Azam Saeed	Chief Architect -1	NDC						1.80	1.80	-	1.80	-
	TBN	Sr. Design Engineer-7 (Waterway)	NDC						28.00	-	-	-	28.00
L77	Mr. Sohail Khan / TBN	Chief Architect -2 / Sr. Site Engineer-2 (Intake Power Tunnel)	PES						47.23	13.66	-	13.66	33.57
L78	Ms. Sobia Nazir / Mr. Noor ul Hassan/ TBN	Jr. Chief Architect/ Jr. MIS Specialist	NDC						67.15	37.15	-	37.15	30.00
L79	Mr. Haseeb-ur-Rehman / Ms. Razia Atique/ Mr. Sajid Nawaz Tarar/Mr Hafiz Awais Danish	Jr. Electrical Engineer / Jr. Engineer Contract	DMC						74.65	59.32	1.00	60.32	14.33
L80	Mr. Naseer Ahmed/ Mr. Farhan Aslam/ TBN	Jr. Transmission Line/Jr M&E Professional	PES						57.31	29.82	1.00	30.82	26.49
L81	Mr. Sheikh Afzaal / Mr. Noor ul Hassan	Sr. Road Engineer / Sr MIS Specialist	DMC						58.91	44.73	1.00	45.73	13.18
L82	Mr. Shfaat Iqbal/ TBN	Jr. Electrical Engineer	DMC						54.31	54.31	-	54.31	-
L83	Mrs. Saba Asif / Mr. Attique ur Rehman	Sr. Bridge Engineer	NDC						70.57	53.96	1.00	54.96	15.61
L84	Mr. Shaheen Sabir / Mr. Zeeshan Riaz / Mr Mustansar Abbas	Sr. Contract Engineer / Sr. Hydrologist / Sr. Design Engineer (Road-2)	DMC						40.57	23.96	1.00	24.96	15.61
L85	Mr. Shah Jahan/ Mr. Naveed Khan	Jr. Costing & Const. Planner / Schedule Monitoring Engineer	NDC						66.25	41.36	-	41.36	24.89
L86	Mr. Sajjad Masood/ TBN	Sr. Construction Material (Asphalt & Concrete)	DMC						15.45	15.45	-	15.45	-
L87	Mr. Farhan Aziz/ Mr. Ali Akbar	Jr. Hydrologist/ Jr. GIS Specialist	DMC						82.32	67.76	1.00	68.76	13.56
L88	Mr. Muhammad Tufail	Economic and Financial Analyst	NDC						10.70	8.27	-	8.27	2.43
L89	Mr. Noman Saeed/ Mr. Ali Akbar/ Mr Muhammad Hamid Ch.	GIS Expert / Sr GIS Professional	DMC						79.74	77.00	1.00	78.00	1.74
L90	Mr. Aakif Ishaq/ TBN	Jr. Road Engineer (RAR-02)	DMC						21.25	7.46	-	7.46	13.79
L91	Mr. Rao Ali Haider /TBN	Jr. Road Engineer (KKH-02)	DMC						61.79	46.63	1.00	47.63	14.16
L92	Mr. Muhammad Hashim Ch./ Mr. Mustansar Abbas	Jr. Design Engineer (Road-2, RAR01)	DMC						81.91	81.91	-	81.91	-
L93	Mr. Sayyar Ali / Mr Amir Nawaz	Jr. Survey Professional-1	PES						111.99	93.72	1.00	94.72	17.27
L94	Mr. Zubair Ahmad/ Mr. Khuram Shahzad	Jr. Survey Professional-2	PES						107.39	77.52	1.00	78.52	28.87
L95	Mr. Muhammad Ahmad Ch. / Mr Imran Salim	Contract Engineer-1	NDC						46.38	46.38	-	46.38	-
	Mr. Burhan Ilyas		NDC						34.11	3.47	1.00	4.47	29.64
L96	Mr. Hashim Hanif/ Mr. Shaheen Sabir/ Mr. Asif Khalid/ Mr. Raheel Ahmad Rana	Contract Engineer-2	DMC						73.95	71.55	-	71.55	2.40
L97	TBN	Dam Design Expert	NDC						18.00	-	-	-	18.00
L98	TBN	Principal Bridge Engineer	PES						16.88	6.90	1.00	7.90	8.98
L99	Lt.Col.(R) Shahzad Shafiq	Telecommunication Engineer	DMC						-	-	-	-	-
L100	Mr. Maqsood Ahmad/ Mr. Sheraz Hussain/ Mr Noor-ul-Hadi	Social & Resettlement Expert / Livelihood Expert	DMC						88.74	77.78	1.00	78.78	9.96
L101	Mr. Awais Hassan Khan / Mr. Muazzam Mukhtar	Sr. Participation and Consultation	NDC						75.33	66.70	0.83	67.53	7.80
L102	Mr. Ameer Hamza/ Mr Ahmad Taj	Jr. Resettlement Professional	DMC						73.90	63.86	0.97	64.83	9.07
L103	Mr. Zahirullah Agha Jan / Mr. Zia Ur Rehman	Jr. Participation and Consultation	NDC						79.95	71.16	0.83	71.99	7.96
L104	TBN	Jr. Resettlement Professional / Jr M&E Professional (Environment)	PES						28.00	4.73	1.00	5.73	22.27
L105	Mr. Tariq Masood/ Mr. Syed Ahmed	Land Acquisition Specialist	NDC						98.32	89.74	1.00	90.74	7.58
L106	Mr. Shafiq Ahmad/ Mr Abdul Hamid	Jr. Land Acquisition Professional	NDC						87.36	79.05	1.00	80.05	7.31
L107	Ms. Tahira Rahman/ Ms Robina Bangash	Gender specialist	DMC						58.20	45.94	1.00	46.94	11.26
	Ms Asma Abdul Ghafar	Sr. Gender Professional	DMC						9.00	9.00	-	9.00	-
L108	Dr. Muhammad Raza Khan/ Dr. Aziz Ahmad /TBN	Public Health Specialist	NDC						43.51	25.51	-	25.51	18.00
L109	Mr. Mushtaq Ahmad / Mr. Muhammad Ahmad/ Mr. Ansar Abbas	Occupational Health & Safety Specialist	PES						13.60	13.60	-	13.60	-
L110	Mr. Saleem Falak/Mr. Muhammad Azmat Farooq	Jr. Occupational Health & Safety (OHS) Professional-1	DMC						60.61	60.61	-	60.61	-
L111	Mr. Muhammad Shafique	Livelihood Specialist	NDC						-	-	-	-	-
L112	Mr. Noor-ul-Hadi / Mr. Ghulam Nabi	Jr. Livelihood Professional	DMC						79.59	66.57	1.00	67.57	12.02
L113	Mr. Amir Nazir/ Mr. Muhammad Zafar Iqbal/ Mr. Tahir Jelani	Monitoring & Evaluation Specialist	DMC						97.42	75.72	0.97	76.69	20.73
L114	Mr. Muddasar Hassan/ Mr. Awais Hassan Khan	Sr. Environmentalist	DMC						105.91	86.40	1.00	87.40	18.51
L115	Mr. Sardar Alam	Jr. Environmentalist-1	NDC						105.81	83.27	1.00	84.27	21.54
L116	Mr Muhammad Abdullah Ijaz/ TBN	Jr. Environmentalist-2/ Jr. OHS Professional-2	PES						0.63	0.63	-	0.63	-
L117	Mr. Gul Muhammad / TBN	Ecologist (Terrestrial)	NDC						36.34	16.34	-	16.34	20.00
L118	TBN	Ecologist (Water Habitant)	NDC						14.00	-	-	-	14.00
L119	Mr. Aurangzeb Irshad	Sr. Quantity Engineer	PES						9.72	4.92	-	4.92	4.80
L120	Mr. Abid Hussain	Principal Geologist-4 (Dam mapping)	DMC						98.34	77.20	1.00	78.20	20.14
L121	Mr. Muhammad Iqbal/ Mr. Mushtaq Mehmood	Sr. Geologist-5 (Intake, Power Tunnel, Pressure Shaft, Penstock, Tarilrace)	NDC						56.13	28.83	1.00	29.83	26.30
L122	Muhammad Asif	Sr. Site Engineer (Intake, Power Tunnel & Powerhouse Complex)	DMC						31.88	10.73	0.93	11.66	20.22
L123	Hafiz Muhammad Usman /Naveed Iqbal/ Mr. Fawad Afzal	Jr. Document Controlor-1	NDC						101.20	85.50	-	85.50	15.70
L124	Mr. Hassan Aadil/Mr. Muhammad Aakif Ishaq /Mr. Haris Ashraf	Jr. Document Controlor-2/ Jr Engineer Costing & Planning	DMC						48.83	29.66	1.00	30.66	18.17
L125	TBN	Principal Safety Engineer	DMC						-	-	-	-	-
L126	Mr. Muhammad Kashif Lali	Sr. Laboratory Professional-2	NDC						62.73	40.73	1.00	41.73	21.00

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No	Name	Position	Firm	2021	2022	2023	2024	2025	AM-4 (B) from Aug-14 to June-2025	Activities Performed up to Previous Month	Activities Performed This Month	Total Actual Utilized MMs	Balance MMs
				J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J					
				78 79 80 81 82 83 84 85 86 87 88 89	90 91 92 93 94 95 96 97 98 99 100 101	102 103 104 105 106 107 108 109 110 111 112 113	114 115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131					
L127	TBN	Sr. Engineer (Finance)/ Financial Expert	NDC						22.00	-	1.00	1.00	21.00
L128	TBN / Mr. Javed Akhtar/ Mr. Yousaf Khan/ TBN/ Mr. Muhammad Khurshid Ul Hassan	Chief Contract Engineer-A	NDC						95.09	59.16	-	59.16	35.93
L129	TBN/ Mr. Arshad Hussain/ Mr. Irfan Mahmood Janjua	Sr. Migration Management	NDC						62.36	46.39	-	46.39	15.97
L130	Mr. Inaam-ur-Rahim/ Mr Ahmad Shoaib/ TBN	Sr. Downstream Management	NDC						38.60	14.60	-	14.60	24.00
L131	Ms. Turanjbeeen Naqvi / TBN	Jr. Electrical Engineer	NDC						54.10	26.10	-	26.10	28.00
NP1	TBN	Sr. Quantity Engineer-B	NDC						30.00	-	0.47	0.47	29.53
NP2	Mr. Nawazish Ali	Sr. Engineer Roads (KKH-02 & RAR-02)	DMC						60.47	43.00	0.90	43.90	16.57
NP3	TBN	Sr. Site Engineer (Bridge & Structure)	PES						22.00	-	-	-	22.00
NP4	Mr. Sayyar Ali	Sr Survey Professional	PES						46.30	32.57	1.00	33.57	12.73
NP5	Mr. Noman Saeed	Principal GIS	DMC						56.31	42.54	1.00	43.54	12.77
NP6	Ms. Sobia Nazir	Principal Architect	NDC						55.78	38.50	1.00	39.50	16.28
NP7	Mr. Anwarzeb	Principal Construction Planner	PES						37.50	11.50	1.00	12.50	25.00
NP8	Mr. Mudassar Hassan	Principal Environmentalist	DMC						-	-	-	-	-
NP9	Mr. Tariq Javed	Principal Lab Professional	NDC						8.00	-	-	-	8.00
NP10	TBN	Interpreter-1 (Chines/English)	PES						8.00	-	-	-	8.00
NP11	Ghazan Khan	Interpreter-2 (Chines/English)	NDC						52.24	20.54	0.80	21.34	30.90
NP12	Mr Muhammad Usama	Jr GIS Professional	PES						54.67	29.10	-	29.10	25.57
NP13	Mr Shafiq Ahmad	Jr M&E Professional (S&R)	NDC						48.00	15.12	1.00	16.12	31.88
NP14	Mr Abbas Ali	Jr GIS Professional	DMC						11.00	10.83	-	10.83	0.17
NP15	Mr Fazal Hussain Malik	Jr GIS Professional	DMC						13.00	13.00	-	13.00	-
NP16	Mr Zakariya Ayub	Jr GIS Professional	DMC						11.00	10.80	-	10.80	0.20
NP17	Mr. Fawad Afzal	Sr. Document Controller	NDC						35.00	5.00	1.00	6.00	29.00
NP18	Mr. Musaddaq Ahmed	Jr. Water Supply Design Engineer	NDC						18.00	-	-	-	18.00
NP19	Mr. Ghulam Nabi	Sr Site Engineer (KKH-01, Tunnel)	NDC						24.00	6.57	1.00	7.57	16.43
NP20	Mr. Moin-un-din	Principal Geologist (KKH-01&02, RAR-02, Roads, Tunnels, Bridges)	DMC						20.24	-	-	-	20.24
NP21	Mr. Habib Shah	Principal Geologist (Powerhouse Complex)	NDC						14.53	-	-	-	14.53
NP22	Mr. Ahsan Akhlaq	Sr. Environmentalist	NDC						40.00	13.46	0.97	14.43	25.57
NP23	TBN	Sr Cost & Schedule Monitoring Engineer (Dam & Underground Works)	NDC						30.00	-	-	-	30.00
NP24	TBN	Sr Site Engineer Dam-2	DMC						24.00	-	-	-	24.00
NP25	TBN	Sr Site Engineer (Intake, Power Tunnel)	PES						22.00	-	-	-	22.00
NP26	TBN	Sr Site Engineer (Powerhouse-3)	PES						22.00	-	-	-	22.00
NP27	TBN	Sr Site Engineer (RV & Earthwork)	PES						22.00	-	-	-	22.00
NP28	TBN	Sr Geologist	DMC						24.00	2.70	1.00	3.70	20.30
NP29	TBN	Sr Geologist	NDC						32.00	6.48	1.00	7.48	24.52
NP30	Mr Faiz ur Rehman	Jr Geologist	DMC						32.00	8.43	0.93	9.36	22.64
NP31	Mr Sajid Hameed	Jr Geologist	NDC						43.00	8.86	1.00	9.86	33.14
NP32	Mr Akhtar Ali	Jr Geologist	NDC						43.00	8.86	1.00	9.86	33.14
NP33	TBN	Jr Geologist	NDC						36.00	-	-	-	36.00
LA-22	Mr. Sultan Zeb	Sr. Electrical Engineer/ Construction Planner	PES						18.00	4.53	1.00	5.53	12.47
LA-28	TBN	Sr. Geologist/ Sr Contract Engineer	NDC						33.00	-	-	-	33.00
									7,838.57	**4,921.80**	**87.32**	**5,009.12**	**2,829.45**
									59.11				**59.11**
									10,310.07	**6,698.22**	**114.41**	**6,812.63**	**3,497.45**
Local Area Development Program (LADP)													
LA-1	Mr. Piotr WYPLOSZ / Mr. Takeshi OKAMURA	Design and Procurement Coordinator	NK						5.22	5.22	-	5.22	-
LA-2	Mr. Kenichi ISHII	Water Supply Engineer	NK						5.34	5.34	-	5.34	-
LA-3	Mr. Muhammad Haseeb/Mr Zia Ullah	Sr. Water Supply Design Engineer	NDC						39.46	34.20	-	34.20	5.26
LA-4	Mr. Musaddaq Ahmed	Jr. Water Supply Design Engineer	NDC						17.40	10.78	-	10.78	6.62
LA-5	Mr Khadim Hussain	Sr. Water Supply Engineer	NDC						-	-	-	-	-
LA-6	TBN	Jr. Water Supply Engineer - A	NDC						-	-	-	-	-
LA-7	TBN	Jr. Water Supply Engineer - B	PES						-	-	-	-	-
LA-8	Mr. Yuzo NAKANO	Road/Bridge Engineer	NK						3.97	3.97	-	3.97	-
LA-9	Mr. M Awais Tariq/ Mr Sajid Ali Shah	Sr. Road Design Engineer	PES						23.20	23.20	-	23.20	-
LA-10	Mr. Attique Ur Rehman	Sr. Bridge Design Engineer	NDC						4.66	2.23	-	2.23	2.43
LA-11	Mr. Sajid Latif	Jr. Road Design Engineer	PES						31.01	31.01	-	31.01	-
LA-12	Mr Rana Shahid Asghar	Sr. Site Engineer (Road, Building & Structure)	NDC						14.43	9.43	-	9.43	5.00
LA-13	TBN	Sr. Bridge Engineer	PES						-	-	-	-	-
LA-14	TBN	Jr. Road Engineer - A	PES						-	-	-	-	-
LA-15	TBN	Jr. Road Engineer - B	PES						-	-	-	-	-
LA-16	TBN	Jr. Road Engineer - C	PES						-	-	-	-	-

Months (in the form of Bar Chart)

No	Name	Position	Firm	2021	2022	2023	2024	2025	AM-4 (B) from Aug-14 to June-2025	Activities Performed up to Previous Month	Activities Performed This Month	Total Actual Utilized MMs	Balance MMs
				J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J J A S O N D	J F M A M J					
				78 79 80 81 82 83 84 85 86 87 88 89	90 91 92 93 94 95 96 97 98 99 100 101	102 103 104 105 106 107 108 109 110 111 112 113	114 115 116 117 118 119 120 121 122 123 124 125	126 127 128 129 130 131					
LA-17	TBN	Sr. Building Design Engineer	PES	1.0 1.0 1.0 0.5 1.0 1.0 0.5					-	-	-	-	-
LA-18	Mr. Najam ul Hassan	Sr. Structural Design Engineer	PES						28.64	28.54	-	28.54	0.10
LA-19	Mr Adnan Khan	Jr. Building Design Engineer	PES	1.0 1.0 1.0 1.0 0.5 1.0 1.0 1.0 0.5					-	-	-	-	-
LA-20	TBN	Sr. Site Engineer (Building & Water Supply)	PES						-	-	-	-	-
LA-21	TBN	Jr. Procurement Specialist	PES						-	-	-	-	-
LA-23	Ms. Naima Tabassum	Sr. Cost Estimator-A	NDC	1.0					17.69	17.69	-	17.69	-
LA-24	TBN	Sr. Cost Estimator-B	PES						-	-	-	-	-
LA-25	Mr. Yuichi Ueda	Contract Engineer	NK						5.74	5.74	-	5.74	-
LA-26	Mr Muhammad Fawad Nisar	Sr. Contract Engineer-A	NDC						39.07	34.07	-	34.07	5.00
LA-27	Mr. Qasir Adnan	Sr. Contract Engineer-B	NDC						6.04	6.04	-	6.04	-
LA-29	TBN	Sr. Surveyor	PES						-	-	-	-	-
LA-30	Mr. Ahsan Akhlaq	Sr. Environmental Specialist	NDC						27.93	27.84	-	27.84	0.09
LA-31	Mr Arshad Hussain	Sr. Social Safeguard Specialist	PES	1.0 1.0 1.0 1.0 0.5 1.0 1.0 0.5 1.0 1.0					0.54	0.54	-	0.54	-
								Sub-Total of LADP	**270.34**	**245.84**	**0.00**	**245.84**	**24.50**
								Total	**10,580.42**	**6,944.06**	**114.41**	**7,058.47**	**3,521.95**
Occupational Health & Safety (OHS)													
Key Personnel													
KNP4	Dr Paul James	Resident Lead OHS Specialist	NK						14.74	14.74	-	14.74	-
KNP12	Mr Aizaz Ahmed	Road Safety & Traffic Management Specialist	NK						2.60	2.60	-	2.60	-
KNP13	Mr Muhammad Iqbal Anwar	OHS Specialist (OHS Systems and Procedures)	NK						14.14	11.36	-	11.36	2.78
KNP14	Mr Claude Mckenzie	OHS Specialist (Underground Works)	NK						11.90	9.59	-	9.59	2.31
KNP25	Mr. Neil Napoleon Rafol	Deputy Lead OHS Specialist-A	NK						28.62	12.04	1.00	13.04	15.58
KNP26	TBN	Traffic Expert (Civil)	NK						1.00	-	-	-	1.00
Local Technical Staff													
LO-2	Mr. Ansar Abbas/ Mr Muhammad Iqbal	Deputy Lead OHS Specialist-B / Sr. OHS Specialist-1	PES						55.00	26.40	1.00	27.40	27.60
LO-6	Mr. Azmat Farooq	OHS Professional-3 (KKH-01, KKH-02, TL-01)	DMC						15.27	15.27	-	15.27	-
LO-9	Mr. Azmat Farooq	Sr. OHS Professional (Road & Traffic Safety)	DMC						24.83	13.90	0.97	14.87	9.96
								Total of OHS	**168.10**	**105.90**	**2.97**	**108.87**	**59.23**
								Grand Total	**10,748.52**	**7,049.96**	**117.38**	**7,167.34**	**3,581.18**

MMs Utilization

APPENDIX C
Submission of Deliverables

Appendix C: Submission of Deliverables

Date	Subject
03.01.23	Comments on Bidding Documents
04.01.23	Interim Payment No # 33 for Sep-Oct-2022 Contractor IPA # 33 & 34.MW-01
05.01.23	Interim Payment Certificate No # 33- For Sep-Oct-2022 (Contractors IPA # 33 & 34).MW-02
05.01.23	Interim Payment Certificate No.38.PCI-01R
06.01.23	The Project Managers Assessment on Price Adjustment for Market Inflation for the Extended Period.TL-01
08.01.23	Additional Cost Claim due to Change in Legislation- Claim No.MW-01C-09
08.01.23	Additional Cost Claim Due to Change in Legislation- Claim No MW-02 C-07
10.01.23	Revised Design for KKH-02
11.01.23	Interim Payment Certificate no. IPC no. 65
13.01.23	Monthly Progress Report No. 45 for the Month of December, 2022
13.01.23	MPR No.101 for the Month of December 2022 under Assignment-B
17.01.23	Referral No. 02 -Additional Payment due to Crushing and Batching Plant
17.01.23	Interim Payment Certificate No. IPC No. 66
21.01.23	Interim Payment Certificate No. 13
26.01.23	Interim Payment Certificate No # 29
26.01.23	Interim Payment Certificate No# 04
27.01.23	Interim Payment Certificate No# 34A Cost on Claims
27.01.23	Interim Payment Certificate No# 34B Cost on Claims
31.01.23	MW-02-2nd Interim EOT-02 for Completion of Works under Delayed Handing Over Site

APPENDIX D
List of Meetings

Appendix D: List of Meetings

Date	Meeting With	Place	Subject
10.01.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting MW-01
11.01.23	DHC WAPDA PCCC	Contractor's Camp	Minutes of Weekly Progress Review Meeting TL-01
13.01.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for KKH-02
13.01.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting RAR-02
13.01.23	WAPDA DHC CGICOP	Contractor's Camp	Minutes of Weekly Progress Review Meeting PCI-01R
14.01.23	DHC WAPDA CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting.MW-01& MW-02
15.01.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting KKH-01
15.01.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting RAR-01
16.01.23	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting.PCI-01R
17.01.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting MW-01
17.01.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting MW-02
23.01.23	DHC CGGC	DHC Meeting Room	Minutes of Technical Meeting on River diversion Works MW-01
27.01.23	WAPDA DHC CGICOP	WAPDA Meeting Room	Minutes of Weekly Progress Review Meeting PCI-01R
31.01.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly Environmental Progress Review Meeting for KKH-01
31.01.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly Environmental Progress Review Meeting for KKH-02

31.01.23	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly Environmental Progress Review Meeting for PCI-01R
31.01.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly Environmental Progress Review Meeting for RAR-01
31.01.23	DHC WAPDA PCCC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting. TL-01
31.01.23	WAPDA DHC PCCC	DHC Meeting Room	Minutes of Monthly Environmental Progress Review Meeting for TL-01
31.01.23	WAPDA DHC CGGC	WAPDA Meeting Room	Minutes of Meeting on Contractor's Claim for Prolongation Cost MW-01
31.01.23	WAPDA DHC GEPC	DHC Meeting Room	Minutes of Monthly Environmental Progress Review Meeting for EM-01

APPENDIX E
Correspondence

Appendix E: Correspondence of Incoming and Outgoing Letters
Incoming Letters

Sr. No	Receiving Date	Letter No.	Subject	Remarks
			1. From WAPDA	
1.1.	**General**			
	Lahore Office			
1.	04.01.23	GM/PD/Dasu HPP/Dir(C)/6B(CS)/ 45-50	Request for Promotion of Muhammad Riaz from Position RE-TL (K14) to CE Electrical (K51)	
2.	09.01.23	GM/PD/Dasu HPP/Accts/16-19	Release Payments of Re-Imbursable Invoice No. 097 for August 2022	
3.	09.01.23	GM/PD/Dasu HPP/Dir(C)/6B(CS)/ 95(a)-99 (a)	Request for Advance Payment to Executive Engineer DID under GM HPO 1120 Meter Drilling 08 Nos Tunnels at Dasu HPP	
4.	10.01.23	GM/PD/Dasu HPP/Dir(C)/6B(CS)/ 95-99	Request for Promotion Naveed Anwar Khan Shah Jahan M. Akif M. Rashid and Ali Akbar	
5.	13.01.23	GM/PD/Dasu HPP/Accts/135-37	Release Payments Remuneration Inv No. 100 and Re-Imbursable Inv No. 98	
6.	16.01.23	GM/PD/Dasu HPP/Dir(C)/6B(CS)/ 143-48	Promotion of Muhammad Riaz RE (Transmission, K14) to CE Electrical (K51)	
7.	16.01.23	GM/PD/Dasu HPP/Dir(C)/6B(CS)/ 155-60	Approval of Muhammad Haris Malik Jr Engineer (RAR-02 L90) Repl. Waleed Saqib	
8.	17.01.23	GM/PD/Dasu HPP/DD(T)/6C(CS)/ 250-55	19.01.23-020-Verification of Record-Audit Payments made to DHC for Sep. 2011 to 2016 Carried Out 10.01.17 to 26.05.17 (250-55)	
9.	19.01.23	GM/PD/Dasu HPP/Dir(C)/DHC (Audit)/250-55	Verification of Record-Audit Payments made to DHC for Sep. 2011 to 2016 Carried Out 10.01.17 to 26.05.17	
10.	24.01.23	Car/Planning & Coord/AP-IV/1947	Audit Payments made to DHC for Period May 2020 to Dec. 2022	
11.	24.01.23	GM/PD/Dasu HPP/A-73/278-308	Notification (GM-PD Camp Office Shifted Al-Maalik Plaza Davis Road to 325 WAPDA House	
12.	30.01.23	GM/PD/Dasu HPP/Dir(C)/6B(CS)/ 355-60	Approval of Kashif Sajjad TBN Position ARE Roads (KKH-02, RAR-02) L74	
13.	30.01.23	Car/Planning & Coord/AP-IV/17-19	Audit Payment made to DHC from 05-2020 to 09-2022	
Dasu Office				
14.	02.01.23	GM/PD/Dasu HPP/A-19/28-29	Visit Programme -Chairman WAPDA (3rd Jan 2023)	
15.	01.01.23	GM/PD/DHPP/Security/S-21/0-10	Security Instructions	
16.	02.01.23	GM/PD/DHPP/Security/S-04/10-14	Outstation Movement of Expatriates	
17.	05.01.23	GM/PD/DHPP/Security/S-06/15-17	Security Lapses - Hattian - Kamra Camp	
18.	05.01.23	GM/PD/DHPP/Contracts/83-A/257-64	Mou for Helicopter Charter Service	
19.	06.01.23	GM/PD/DHPP/Security/S-26/38-40	0Construction of Security Watch Towers posts at Kass and Uchar Camp	
20.	06.01.23	GM/PD/DHPP/Security/D-26/-53	Construction of Security Watch Towers Posts Control Room at Kass Camp	
21.	07.01.23	GM/PD/DHPP/Security/S-06/45-47	Request for Construction of Security Post at the Entry Point of Kandia for Chinese Security	
22.	07.01.23	GM/PD/DHPP/Security/S-06/45-59	Construction of Security Check Post at the Entry Point of Kandia for Chinese Foreigners	
23.	09.01.23	GM/PD/DHPP/Contracts/81/214-18	Contractors Request for Urgent Assistance for Obtaining NOC for Three Passenger Buses with Special Explosion Proof Facilities	
24.	11.01.23	GM/PD/DHPP/Security/S-06/67	Geo Tagging Coordinates of All Foreigners Residential Camps Work Sites Plazas	
25.	11.01.23	GM/PD/DHPP/Security/S-04/69-73	Outstation Movement of Expatriates	
26.	11.01.23	GM/PD/DHPP/Security/S-26/68	Provision of Cook House Mess and Accommodation at Kass Camp	
27.	11.01.23	GM/PD/DHPP/Security/S-44/74-76	Coordination Meeting on Security Aspects	
28.	12.01.23	GM/PD/DHPP/Security/S-06/91-92	Construction of Security Check Post at the Entry Point of Kandia for Chinese Security	
29.	12.01.23	GM/PD/DHPP/Contracts/01/371-78	Record Note of Chairman's Visit to Dasu Site on January 3rd 2023	
30.	12.01.23	GM/PD/DHPP/ADMN/PF-126/379-83	Extension of Contract Period of Mr.Zeeshan Khan Jr. Engineer (Electronics)	
31.	16.01.23	GM/PD/DHPP/Dir(C)/6B(CS)/149-54	Approval of Mr.AIRO Asayama as Resident Engineer (Dam) (K8)	
32.	13.01.23	GM/PD/DHPP/Security/S-11/108-09	Provision of Data Regarding Foreigners	
33.	16.01.23	GM/PD/DHPP/Security/S-44/124-27	Coordination Meeting on Security Aspects	
34.	16.01.23	GM/PD/DHPP/Env/G-10/20-21	Seeking Advice on Contractual Provisions for Change in Experience Criteria for Environmental Officer for the Contracts of CGGC	
35.	16.01.23	GM/PD/DHPP/Env/W-19/2022/ 001-002	Submission of Monthly Progress Report for the Period of November 26,2022 to December 25,2022	
36.	16.01.23	GM/PD/DHPP/Env/G-27(ii)/22-25	Inadequate Welfare Facilities at CT-02 Site	
37.	16.01.23	GM/PD/DHPP/S&D/OHS/A-90/Env/E-06/226-29	Training on Dam Construction Safety	
38.	18.01.23	GM/PD/DHPP/Security/S-06/133	Preparation of Security Passes As Per MOI Instruction	
39.	19.01.23	GM/PD/DHPP/Security/S-06/139-40	Nomination of Security Officer by Contractors	
40.	11.01.23	GM/PD/DHPP/Accts/118-24	Request for Permission on Open Account of Ms Pakistan Water and POWER Development Authority	
41.	23.01.23	GM/PD/DHPP/Security/S-06/148	Advisory Notice in the Light of (MOI)	
42.	23.01.23	GM/PD/DHPP/S&D/671-73	Advisor (Projects) Tour Note 20-22 Dec 2022	
43.	25.01.23	GM/PD/DHPP/Contracts/GEN/81/2023/701-06	Meeting Regarding Claims of Main Civil Works Contractors for DHPP	
44.	25.01.23	GM/PD/DHPP/S&D/713-17	Senior Survey Engineer from DHC is Required with his Team to be Deployed for the Survey of Basha	
45.	25.01.23	GM/PD/DHPP/(Admn)A-53/722-28	Nomination for Compensation Disbursement Committee	
46.	31.01.23	GM/PD/DHPP/Security/184	Coordination meeting on Security Aspects with Consultant Contractors at DHPP	
47.	31.01.23	GM/PD/DHPP/Security/180-83	Security Conference on Prevailing Situation	
48.	31.01.23	PD-DHPP/S&R/E-1/201-02	Application Regarding Enhanced The Rent of Vehicle	
1.2.	**Dasu-RAR-01**			
Dasu Office				
49.	05.01.23	GM/PD/Dasu HPP/RAR-01/2023/181-83	Complaint from Prime Minister's Performance Delivery Unit (PMDU) RAR-01	
50.	09.01.23	GM/PD/Dasu HPP/CE(S&D)/ 2023/243-46	Unavailability of DHC Staff of RAR-01 at Dasu	
51.	11.01.23	GM/PD/DHPP/Contracts/RAR-01/323F/325-30	Reminder for Verification Authentication of Advance Payment Guarantees (APG) and Performance Security (PS)	

Sr. No	Receiving Date	Letter No.	Subject	Remarks
52.	11.01.23	GM/PD/DHPP/Contracts/RAR-01/323F/354-57	Adjustment of Khyber Pakhtunkhwa Sales Tax (KPST) from the Contract Price	
53.	31.01.23	GM/PD/DHPP/Contracts/RAR-01/23B/1000-1003	Interim Payment Certificate No # 34 A Cost of Claims	
54.	31.01.23	GM/PD/DHPP/Contracts/RAR-01/23/1004-07	Interim Payment Certificate No # 34B Profits on Claims	
1.3.	**Dasu-RAR-02**			
Dasu-Office				
55.	06.01.23	GM/PD/DHPP/Env/G-10/10-11	Comments on the Monthly Environmental Report of the Contractor CGGC for RAR-02	
56.	04.01.23	GM/PD/DHPP/RAR-02/61/171-72	Notice to Correct under Sub-Clause 15.1.RAR-02	
57.	16.01.23	GM/PD/DHPP/Contracts/RAR-02/63/439-42	Engineer's Response on " Stoppage of Works due to Blast Incident on July 14th 2021	
58.	20.01.23	GM/PD/DHPP/Contracts/RAR-02/600-06	Extension of Advance Payment Guarantee	
59.	31.01.23	GM/PD/Dasu HPP/RAR-02/2023/989-91	Variation proposal of Cable River Crossing System (K20+590)	
1.4.	**Dasu-KKH-01**			
Dasu Office				
60.	06.01.23	GM/PD/DHPP/Env/G-28-1/12-13	Approval of Laboratory and 7th Quarterly Environmental Monitoring Plan of CCECC for KKH-01	
61.	06.01.23	GM/PD/DHPP/Env/G-28-1/005-007	Non-Compliances of Environment Contractual Requirements at K-9 Site of KKH-01	
62.	06.01.23	GM/PD/DHPP/Contracts/KKH-01/NHA/16/193-95	Minutes of Meeting Regarding Discussion on Final Design Review of KKH-01 and KKH-02 By Ms NESPAK	
63.	06.01.23	GM/PD/S&D/DHPP/KKH-46/239-42	Report Regarding Construction Work of Relocated KKH	
64.	11.01.23	GM/PD/DHPP/Contracts/KKH-01/13F/319-24	Reminder for Verification Authentication of Advance Payment Guarantees (APG) and Performance Security (PS)	
65.	11.01.23	GM/PD/DHPP/Contracts/KKH-01/13F/350-53	Adjustment of Khyber Pakhtunkhwa Sales Tax (KPST) from the Contract Price	
66.	14.01.23	GM/PD/DHPP/Contracts/DHC/111/427-33	Monitoring of Dasu Hydropower Project	
67.	18.01.23	GM/PD/DHPP/Security/S-06/ 131	Security - Administrative Issues Related to CCECC	
68.	19.01.23	GM/PD/DasuHPP/Dir(C)/KKH-01/54/256-63	Minutes of Meeting Held on 18th January , 2023	
69.	19.01.23	GM/PD.DHPP/589-91	Construction of Causeway at Uchar Nullah KM 303 (N-35)	
70.	26.01.23	GM/PD/DHPP/Contracts/KKH-01/13/829-32	Adjustment of KPK Sales Tax (KPST) from the Contract Price	
71.	31.01.23	PD/DHPP/S&R/E-52/194-99	Arrangement of Discharge Data of Spring Discovered at K-9 Tunnel	
1.5.	**Dasu-KKH-02**			
Dasu Office				
72.	18.01.23	GM/PD/DHPP/Security/S-06/ 130	Security - Administrative Issues Related to CGGC	
73.	24.01.23	GM/PD/DHPP/S&D/KKH/681-83	Urgent Request for Additional Borehole Survey for New Tunnels KKH-02	
1.6.	**Dasu-TL-01**			
Dasu Office				
74.	06.01.23	GM/PD/DHPP/Contracts/TL-01/46/185-92	Erection All Risk (EAR) Insurance Policy.TL-01	
75.	09.01.23	GM/PD/DHPP/Contracts/32/252-59	Request for Quotation (RFQ) for Supply Installation Testing and Commissioning of 250 KVA Diesel Generator Set for WAPDA Project Office	
76.	09.01.23	GM/PD/DHPP/Contracts/32/260-67	Request for Quotation (RFQ) for Supply Installation Testing and Commissioning of 250 KVa Diesel Generator Set for WAPDA Project Office	
77.	09.01.23	GM/PD/DHPP/Contracts/32/276-83	Request for Quotation (RFQ) for Supply Installation Testing and Commissioning of 250 KVA Diesel Generator Set for WAPDA Project Office	
78.	09.01.23	GM/PD/DHPP/Contracts/32/284-91	Request for Quotation (RFQ) for Supply Installation Testing and Commissioning of 250 KVA Diesel Generator Set for WAPDA Project Office (	
79.	09.01.23	GM/PD/DHPP/Contracts/32/292-98	Request for Quotation (RFQ) for Supply Installation Testing and Commissioning of 250 KVA Diesel Generator Set for WAPDA Project Office	
80.	09.01.23	GM/PD/DHPP/Contracts/32/268-75	Request for Quotation (RFQ) for Supply Installation Testing and Commissioning of 250 KVA Diesel Generator Set for WAPDA Project Office	
81.	26.01.23	GM/PD/DHPP/Contracts/TL-01/46/833-36	Request for Justification of Exceeded BOQ Quantities IPC No.66 TL-01	
1.7.	**Dasu-MW-01**			
Dasu-Office				
82.	04.01.23	GM/PD/DHPP/Contracts/MW-01/83&116A/159-64	Contractor's Claim for Crushing and Batching Plants	
83.	04.01.23	GM/PD/DHPP/MW-01/83A/152-55	Recovery of hire Charges Bill NLC Avn Flt.MW-01	
84.	06.01.23	GM/PD/DHPP/Env/G-27-1/14-15	Submission of Documents of M-s Bureau Veritas Pakistan as 3rd Party Environmental Monitoring Laboratory for Ambient Air	
85.	06.01.23	GM/PD/DHPP/Env/G-10/003-004	Comments on the Monthly Environmental Reports of the Contractor CGGC for MW-01 & MW-02 (003-004)	
86.	09.01.23	GM/PD/DHPP/Contracts/MW-01/87A/200-08	Assistance and Support on Custom Clearance	
87.	06.01.23	GM/PD/DHPP/A-11/CGGC Vehicles/166-67	Furnishing of Additional parts of Vehicle GAS-821	
88.	09.01.23	GM/PD/DHPP/Contracts/MW-01/87/227-30	Extension of the Insurance Policies Due to Extension of Time.MW-01	
89.	10.01.23	GM/PD/DHPP/Contracts/MW-01/299-301	Request for your Consent in Issuance of the Variation order for Adjusted River Diversion Scheme.MW-01	
90.	10.01.23	GM/PD/DHPP/Contracts/85&95302-06	Information Regarding Interest on Payment Delayed in IPCs.	
91.	10.01.23	GM/PD/DHPP/MW-01/83A/311-14	MOU for Helicopter Charter Services.MW-01	
92.	10.01.23	GM/PD/DHPP/S&D/MW-01 &MW-02/358-59	Optional Requirements of ASTM C618 for Natural Pozzolan Source 1, MW-01	
93.	16.01.23	GM/PD/DHPP/S&D/MW-01 /476-78	Adjusted River Diversion Scheme	
94.	16.01.23	GM/PD/DHPP/Contracts/MW-01/83/447-51	Engineer Response on Stoppage of Works due to Blast Incident on July 14th ,2021	
95.	18.01.23	GM/PD/DHPP/550-55	Recovery of Hire Charges Bill NLC Avn Fit	
96.	18.01.23	GM/PD/DHPP/Contracts/MW-01/85/523-28	Payment of Rent of Open Land , Sheds, Office Building in GBC Colony Hattian for the Period from 01.01.2023 to 31.01.2023 (01 -Month)	
97.	20.01.23	GM/PD/DHPP/S&D/MW-01/ 632-33	Confirmation on RCC Special Test from CMTL	

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98.	20.01.23	GM/PD/DHPP/MW-01/83A/ 641-44	MoU for Helicopter Charter Services -MW-01	
99.	20.01.23	GM/PD/DHPP/S&D/MW-01/ 646-47	Installation of Generators at Uchar Crushing and Batching Plant	
100.	24.01.23	GM/PD/DHPP/MW-01/86/667-70	NOC for 03 Nos. Staff Buses Equipped with Explosion Proof Facilities for Security of Chinese Personnel at 2160 MW	
101.	24.01.23	GM/PD/DHPP/MW-01/679-80	Urgent Request For Additional Borehole Survey For Downstream Coffer Dam	
102.	24.01.23	GM/PD/DHPP/Contracts/MW-01/83/697-700	Crushing and Batching Plant Claim	
103.	25.01.23	GM/PD/DHPP/Contracts/MW-01/83/729-31	Acceleration Award Against Key Milestone of River Closure	
104.	26.01.23	GM/PD/DHPP/Contracts/81-D/805-08	Shifting of Generators from Neelum Jehlum HPP	
105.	26.01.23	GM/PD/DHPP/DD(T)/Dam-35/313-16	Request for Issuance of Visa for Personnel of Ms CGGC Working on Main Civil Works Contracts	
106.	27.01.23	GM/PD/DHPP/Contracts/MW-01/83/890-93	Contractor's Claim for Re-Handling of Excavated Material Grid Station (Claim No. TL-01-01/C-8)	
1.8. Dasu-MW-02				
Dasu-Office				
107.	02.01.23	GM/PD/DHPP/Contracts/MW-02/83/14-17	LNG Tanker Overturn- Engineers Determination .MW-01	
108.	02.01.23	GM/PD/DHPP/Contracts/MW-02/83/223-26	Extension of the Insurance Policies Due to Extension of Time.MW-02	
109.	16.01.23	GM/PD/DHPP/Contracts/MW-02/93/443-46	Engineer's Response on " Stoppage of Works Due to Blast Incident on July 14th 2021	
110.	16.01.23	GM/PD/DHPP/Contracts/MW-02/93/481-84	Assessment of the Contractor's Interim EOT Report No.2 (1st April 2021 to 14th July 2021 of MW-02 (	
111.	24.01.23	GM/PD/DHPP/Contracts/MW-02/93/689-92	2nd Interim Extension of time (EOT) for Completion of Works under Delayed Handing over of the Site	
1.9. Dasu-PCI-01R				
Dasu office				
112.	18.01.23	GM/PD/DHPP/PCI-01R/529-32	Survey of the Additional Land for Sewerage System at WAPDA Colony at Chuchang of (02K -01M-05)	
113.	18.01.23	GM/PD/DHPP/Security/S-06/132	Security -Administrative Issues Related to CGICOP	
114.	24.01.23	GM/PD/DHPP/PCI-01R/33/ 2023/693-96	Revised Contract Programme for Monitoring Construction Activities and Extension of Time (EoT)	
115.	24.01.23	GM/PD/DHPP/PCI-01R/794-98	Operation and Maintenance of Basic Health Unit	
116.	24.01.23	GM/PD/DHPP/PCI-01R/131/629	Evaluation Of Pre-Qualification Applications	
1.10. Dasu-PCI-02				
Dasu office				
117.	11.01.23	GM/PD/DHPP/Contracts/PCI-01/131/341-49	Notification to Carry out the Opening of Prequalification Application on Jan 18, 2023	
118.	20.01.23	GM/PD/DHPP/Contracts/PCI-01/131/629	Evaluation Of Pre-Qualification Applications	
119.	27.01.23	GM/PD/DHPP/CE(C)/PCI-01/131/894-94	Comments on Draft Bidding Documents PCI-02	
120.	30.01.23	GM/PD/DHPP/CE(C)/PCI-01/131/959-61	Clarification of Pre-Qualification Applications for Project Colony and Infrastructure	
121.	30.01.23	GM/PD/DHPP/CE(C)/PCI-01/131/944-46	Clarification of Pre-Qualification Applications for Project Colony and Infrastructure	
122.	30.01.23	GM/PD/DHPP/CE(C)/PCI-01/131/947-49	Clarification of Pre-Qualification Applications for Project Colony and Infrastructure	
123.	30.01.23	GM/PD/DHPP/CE(C)/PCI-01/131/950-52	Clarification of Pre-Qualification Applications for Project Colony and Infrastructure	
124.	30.01.23	GM/PD/DHPP/CE(C)/PCI-01/131/953-55	Clarification of Pre-Qualification Applications for Project Colony and Infrastructure	
125.	30.01.23	GM/PD/DHPP/CE(C)/PCI-01/131/956-58	Clarification of Pre-Qualification Application for Project Colony and Infrastructure	
1.11. Dasu-EM-01				
Dasu-Office				
126.	09.01.23	GM/PD/DHPP/Contracts/EM-01/101/219-22	Addition of Suppliers to the Agreed Schedule T-4.EM-01	
127.	18.01.23	GM/PD/DHPP/Contracts/EM-01/DB/116G/533-37	Appointment of Dispute Board (DB)	
128.	25.01.23	GM/PD/Dasu HPP/TL-18/732-34	Request of Coordination with NTDC Regarding Relay Protection System Single Line Diagram for 765KV Transmission Line	
129.	27.01.23	GM/PD/Dasu HPP/TL-18/887-89	Reminder for 765kV Transmission Line Basic Design Parameters Between Dasu PS and Mansehra SS	
130.	30.01.23	GM/PD/DHPP/Contracts/EM-01/105/937-41	Interim Payment Certificate No.02	
1.12. Dasu-RV				
Dasu-Office				
131.	02.01.23	GM/PD/DHPP/Contracts/Dasu-RV/74/18-21	Appointment of Adjudicator. RV	
132.	12.01.23	GM/PD/DHPP/Contracts/Dasu-RV/74/19-22	Suggestion for Way Forward.	
133.	19.01.23	GM/PD/DHPP/E-29/142	Dispute Between Local Tribes on Provision of Water to the Resettlement Villages (RVs) from the Water Source	
134.	21.01.23	GM/PD/DHPP/E-34/143	Request for Preparation of Feasibility to Fetch Water from Newly Identified Water Sources for Khoshi-1 and Khoshi-2 Link-1 Resettlement Sites	
135.	24.01.23	PD/DHPP/Contracts/Dasu-RV/74/684-88	Appointment of Adjudicator - Draft Adjudicator Agreement	
1.13. Dasu-S&R				
Dasu-Office				
136.	02.01.23	PD/DHPP/E-70/01	84 Additional AHHs Affecting due to Rationalization of KKH-1, KKH-2 and New Additional Area	
137.	02.01.23	GM/PD/DHPP/SS/S&R/E-28/02	Sharing of Daily Wagers Data Engaged with all Contractors	
138.	03.01.23	GM/PD/DHPP/S&R/E-34/05	Pakistan Citizen Portal Complaint	
139.	03.01.23	GM/PD/DHPP/S&R/E-53/07	Resettlement Villages at Chuchang (Dasu - RV)	
140.	03.01.23	GM/PD/DHPP/S&R/E-66/06	Application Regarding Self - Managed Relocation (SMR)	
141.	04.01.23	GM/PD/DHPP/LA-S&R/W-161/1297-99	Rectified Revenue Record In Respect of "LOR (Shatial Nullah to End Point of Reservoir) Area -4	
142.	04.01.23	GM/PD/DHPP/LA-S&R/W-149/1294-96	Rectified Revenue Record in Respect of " ROR (Dogah End Point End Point to Gayal Nullah) Area -1	
143.	06.01.23	GM/PD/DHPP/LA-S&R/W-161/308-10	Rectification of Massavi Cadastral Map in Respect of "LOR (Shatial Nullah to Reservoir End Point) Area -3 (1308-10)	

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144.	06.01.23	GM/PD/DHPP/LA-S&R/W-161/1308-10	-Rectification of Massavi Cadastral Map in Respect of "LOR (Shatial Nullah to Reservoir End Point) Area -3	
145.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1216-18	Request for Review of GIS Report	
146.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1204-06	Request for Review of GIS Report	
147.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1210-12	Request for Review of GIS Report	
148.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1213-15	Request for Review of GIS Report	
149.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1207-09	Request for Review of GIS Report	
150.	06.01.23	GM/PD/DHPP/LA-S&R/W-161/1234-36	Missing Area in Musavi of the Component "LOR (Shatial Limits to Shatial Nullah) Area -1	
151.	06.01.23	GM/PD/DHPP/LA-S&R/W-161/1237-39	Incorrect Orientation in Musavi of the Component "LOR (Shatial Nullah to Reservoir End Point) Area -6	
152.	06.01.23	GM/PD/DHPP/LA-S&R/W-149/1240-42	Assessment Report of Fruit Plants in Respect of " Dogah End Point to Gayal Nullah (File -1)	
153.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1225-27	Request for Review of GIS Report	
154.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1219-21	Request for Review of GIS Report	
155.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1222-24	Request for Review of GIS Report	
156.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1228-30	Request for Review of Gis Report	
157.	06.01.23	GM/PD/DHPP/LA-S&R/W-35/1231-33	Request for Review of GIS Report	
158.	09.01.23	GM/PD/DHPP/LA-S&R/W-35/1242-55	Provision of Funds for Disbursement of Compensation for Fruit Plants in Shatiyal to Harban Reservoir End Point (File-4)	
159.	09.01.23	GM/PD/DHPP/LA-S&R/W-35/1356-58	Application of Mr.Taj Uddin	
160.	09.01.23	GM/PD/DHPP/LA-S&R/W-35/1344-46	Provision of Funds for Disbursement of Compensation for Fruit Plants in Shatyal to Harban Reservoir End Point (File-1)	
161.	09.01.23	GM/PD/DHPP/LA-S&R/W-35/1341-43	Provision of Funds for Disbursement of Compensation for Fruit Plants in Shatiyal Nala to Harban Reservoir End Point (File-1)	
162.	09.01.23	GM/PD/DHPP/LA-S&R/W-35/1335-37	Provision of Funds for Disbursement of Compensation for Fruit Trees in Shatial Limit to Shatial Nala (File-5)	
163.	09.01.23	GM/PD/DHPP/LA-S&R/W-35/1338-40	Provision of Funds for Disbursement of Compensation for Forest Non Fruit Trees in Shatial Limit to Shatial Nala (File-V)	
164.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1332-34	Provision of Funds for Disbursement of Compensation for Fruit Plants Shatyal to Harban Reservoir End Point (File-3)	
165.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1329-31	Provision of Funds for Disbursement of Compensation for Forest Non Fruit Trees Shatial Nala to Harban Reservoir End Point (File-3)	
166.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1326-28	Provision of Funds for Disbursement of Compensation For Forest Non Fruit Trees Shatial Nala to Harban Reservoir End Point (File-5)	
167.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1323-25	Provision of Funds for Disbursement of Compensation for Forest Non Fruit Trees Shatial Limit to Shatial Nala (File-III)	
168.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1317-19	Provision of Funds for Disbursement of Compensation for Forest Non Fruit Trees Shatial Nala To Harban Reservoir End Point (File-4)	
169.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1320-22	Provision of Funds For Disbursement of Compensation for Forest Non Fruit Trees in Respect of the Component Bailey Bridge Gumoon Looter Area- II	
170.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1314-16	Provision of Funds for Disbursement of Compensation for Forest Non Fruit Trees in Dogah End Point to Gayal Nala (File-1)	
171.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1350-52	Provision of Funds for Disbursement of Compensation for Fruit Plants in Shatyal to Harban Reservoir End Point (File-II)	
172.	09.01.23	GM/PD/DHPP/LA-S&R/128/W-35/1347-49	Provision of Funds for Disbursement of Compensation for Fruit Plants in Shatyal Nal to Harban Reservoir End Point (File-2)	
173.	10.01.23	GM/PD/DHPP/LA/S&R/W-128/1381-83	Provision of Additional Funds for Disbursement of Compensation for Built up Property in Baily Bridge Gumoon Looter Right Side Area-2	
174.	10.01.23	GM/PD/DHPP/LA-S&R/W-162/1393-95	Assessment Report of Built Up Property in Shatial Limits to Shatial Nullah Area-3	
175.	10.01.23	GM/PD/DHPP/LA-S&R/W-162/1390-92	Assessment Report of Built Up Property in Shatial Limits to Shatial Nullah Area-4	
176.	10.01.23	GM/PD/DHPP/LA-S&R/W-161/1374-77	GIS Verification of Land Parcles in Respect of Lor Shatial Nala to Reservoir End Point Area-5	
177.	10.01.23	GM/PD/DHPP/LA-S&R/W-136/1378-80	Provision of Additional Funds for Disbursement of Compensation for Built up Property in Gul-E-Bagh Reservoir Area-1	
178.	10.01.23	GM/PD/DHPP/LA/S&R/W-162/1387-89	Provision of Funds for Disbursement of Compensation for Built up Property in Dogah End Point to Gayal Nullah File- 1	
179.	11.01.23	GM/PD/DHPP/LA/S&R/W-168/1415-17	Tentative Cost Estimate of Land in Respect of Baily Bridge Gumoon Looter Right Side Area-2	
180.	11.01.23	GM/PD/DHPP/LA/S&R/W-161/1412-14	Tentative Cost Estimate of Land in Respect of Lor Shatial Nala to Reservoir End Point Area-2	
181.	11.01.23	GM/PD/DHPP/LA/S&R/W-161/1409-11	Tentative Cost Estimate of Land in Respect of Lor Shatial Nala to Reservoir End Point	
182.	11.01.23	GM/PD/DHPP/LA/S&R/W-161/1406-08	Tentative Cost Estimate of Land in Respect of Lor Shatial Nala to Reservoir End Point Area-4	
183.	11.01.23	GM/PD/DHPP/LA/S&R/W-162/1463-05	Tentative Cost Estimate of Land in Respect of Shatial Limits to Shatial Nala Area-4	
184.	11.01.23	GM/PD/DHPP/LA/S&R/W-162/1400-02	Tentative Cost Estimate of Land in Respect of Shatial Limts to Shatial Nala Area-5	
185.	11.01.23	GM/PD/DHPP/LA/S&R/W-162/1396-99	Tentative Cost Estimate of Land in Respect of Shatial Limits to Shatial Nala Area-3	
186.	11.01.23	GM/PD/DHPP/LA-S&R/W-128/ 16-19	Tentative Cost Estimate of Additional Funds for Land in Respect of Bailey Bridge Gumoon Looter Right Side Area-1	
187.	11.01.23	GM/PD/DHPP/LA-S&R/W-161/ 13-15	Rectified Revenue Record in Respect of LOR (Shatial Nal to End of Reservoir Area-1	
188.	11.01.23	GM/PD/DHPP/LA-S&R/W-161/ 09-12	Tentative Cost Estimate of Land in Respect of Lor Shatial Nal to End Point of Reservoir Area-1	
189.	11.01.23	GM/PD/DHPP/LA-S&R/W-35/ 05-08	Request for Review of GIS Report	
190.	11.01.23	GM/PD/DHPP/LA-S&R/W-35/ 01-04	Request for Review of GIS Report	
191.	11.01.23	GM/PD/DHPP/LA-S&R/W-161/ 20-22	Rectified Revenue Record in Respect of Lor Shatial Nala to Reservoir End Point Area-6	

Sr. No	Receiving Date	Letter No.	Subject	Remarks
192.	11.01.23	GM/PD/DHPP/LA-S&R/W-162/ 27-30	Rectified Revenue Record in Record in Respect of Lor Shatial Limits to Shatial Nala Area-2	
193.	11.01.23	GM/PD/DHPP/LA-S&R/E-66/ 111	Application Regarding Self-Managed Relocation (SMR)	
194.	11.01.23	GM/PD/DHPP/LA-S&R/W-161/ 35-38	Assessment Report of Built Up Property in Respect of Lor Shatial Nallah to Reservoir End Point Area-1	
195.	11.01.23	GM/PD/DHPP/LA-S&R/W-161/ 39-52	Assessment Report of Forest Wild Fruit Trees in Respect of Shatial Nallah to Harban Reservoir End Point (File-6)	
196.	11.01.23	GM/PD/DHPP/LA-S&R/W-161/ 43-46	Assessment Report of Fruit Trees in Respect of Shatiyal to Harban End Reservoir (File-6)	
197.	12.01.23	GM/PD/DHPP/LA-S&R/W-149/ 47-50	Additioal Funds for Land in Respect of Dogah End Point to Gayal Nala Area-1	
198.	12.01.23	GM/PD/DHPP/LA-S&R/W-161/ 31-34	Assessment Report of Built Up Property in Respect of Lor Shatial Limits to Shatial Nala Area-5	
199.	12.01.23	GM/PD/DHPP/LA-S&R/W-162/ 27-30	Rectified Revenue Record in Record in Respect of Lor Shatial Limits to Shatial Nala Area-2	
200.	12.01.23	GM/PD/DHPP/LA-S&R/W-161/ 63-66	Assessment Report of Additional Funds for Built Up Property in Respect of " Shatial Limits to Shatial Nullah (Area -5)	
201.	12.01.23	GM/PD/DHPP/LA-S&R/W-161/ 59-63	Assessment Report of Built Up Property in Respect of " Shatial Limits to Shatial Nullah (Area -2)	
202.	12.01.23	GM/PD/DHPP/LA-S&R/W-162/ 55-58	Assessment Report of Built Up Property in Respect of " Shatial Nallah to Harban Reservoir end (Area -6)	
203.	13.01.23	GM/PD/DHPP/S&R/E-66/116	Application Regarding Self - Managed Relocation (SMR)	
204.	16.01.23	GM/PD/DHPP/LA-S&R/W-162/ 89-91	Provision of Funds for Disbursement of Compensation for Forest -Wild Fruit Trees in Respect of Component Viz " Shatial Limits to Shatial Nullah (File -1)	
205.	16.01.23	GM/PD/DHPP/LA-S&R/W-35/ 86-88	Request for Review of GIS Report	
206.	16.01.23	GM/PD/DHPP/LA-S&R/W-161/ 92-94	Provision of Funds for Disbursement of Compensation For Built -Up Property in Respect of Component Viz " Shatial Nullah to Reservoir End Point Area -2	
207.	17.01.23	GM/PD/DHPP/S&R/2023/E-66/ 122	Application Regarding Self - Managed Relocation (SMR)	
208.	17.01.23	PD/DHPP/S&R/E-66/128-30	Correction in Record for ESMR Package - Chola Package	
209.	19.01.23	PD-DHPP/DG-SS/S&R/E-29/125-27	Temporary Relocation Package for Project Affected People	
210.	19.01.23	GM/PD/DHPP/S&R/E-66/ 137	Application Regarding Self - Managed Relocation (Hujat Nabi)	
211.	20.01.23	GM/PD/DHPP/LA-S&R/W-161/ 70-72	Provision of Funds for Disbursement of Compensation for Built -Up Property in Respect of Component Viz " Shatial Nullah to Reservoir End Point Area -3	
212.	20.01.23	GM/PD/DHPP/LA-S&R/W-162/ 161-63	Provision of Funds for Disbursement of Compensation for Fruit Trees in Respect of Component Viz " Shatial Limits to Shatial Nullah (File -1)	
213.	20.01.23	GM/PD/DHPP/LA-S&R/W-161/ 167-69	Non- Fruit Trees in Respect of Component Viz " Shatial Nala to Harban Reservoir End Point (File-3)	
214.	20.01.23	GM/PD/DHPP/LA-S&R/W-161/ 164-66	Provision of Funds for Disbursement of Compensation for Built-Up Property in Respect of Component Viz " Shatial Nullah to Reservoir End Point Area -4	
215.	20.01.23	GM/PD/DHPP/LA-S&R/W-161/ 186-88	LOR Shatial Nullah to Reservoir End Point Area -6	
216.	20.01.23	GM/PD/DHPP/LA-S&R/W-161/ 183-85	" LOR Shatial Nullah to Reservoir End Point Area -5	
217.	20.01.23	GM/PD/DHPP/LA-S&R/W-161/ 180-82	LOR Shatial Nullah to Reservoir End Point Area -3 (180-82)	
218.	20.01.23	GM/PD/DHPP/LA-S&R/W-162/ 177-79	LOR Shatial Limits to Shatial Nullah Area -2	
219.	20.01.23	GM/PD/DHPP/LA-S&R/W-162/ 174-76	LOR Shatial Limits to Shatial Nullah Area -1	
220.	20.01.23	GM/PD/DHPP/LA-S&R/W-162/ 189-91	Shatial Limits to Shatial Nullah Area -1	
221.	25.01.23	GM/PD/DHPP/LA-S&R/W-35/ 246-49	Request for Review of GIS Report	
222.	26.01.23	GM/PD/DHPP/S&R/2023/E-29/ 73-74	Duplicate Payment of TRP Files	
223.	30.01.23	GM/PD/DHPP/S&R/2021/E-66/ 193	Application Regarding Self-Managed Relocation (SMR)	
224.	31.01.23	GM/PD/DHPP/LA-S&R/W-162/ 282-85	Revised Assessment Report of Built Up Property of the Component VIZ Shatial Limit to Shatial Nullah Area-1	
225.	31.01.23	GM/PD/DHPP/LA-S&R/W-35/ 278-81	Request for Review of GIS Report Mr. Naseer ud din	
226.	31.01.23	GM/PD/DHPP/LA-S&R/W-35/ 270-73	Request for Review of GIS Report Mr. Abdul Wahid	
227.	31.01.23	GM/PD/DHPP/LA-S&R/W-35/ 274-77	Request for Review of GIS Report Mr. Ejaz Ahmad	
1.14.	**Dasu-LADP**			
Dasu Office				
228.	06.01.23	GM/PD/DHPP/Env/E-21/008-009	Environmental Monitoring for Ambient Air and Noise	
229.	06.01.23	GM/PD/DHPP/Contracts/LADP/129H/170-76	Contractor's All Risk (CAR) Insurance Policy	
230.	31.01.23	PD-DHPP/S&R/E-34/191	Provision of LADP Working Data Record in Soft Form	
2. From Contractors				
2.1.	**Dasu-RAR-01**			
Dasu Office				
231.	03.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-001	Stoppage of Subgrade Work Activities by Local People at Komila Bypass at (K1+718.75)	
232.	03.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-002	Postponement of the Boulder Blasting Activities at Komila Bypass at (K1+150) Around Area	
233.	02.01.23	CCECC/PAK/DASUFIELD/RAR-01/WR/23-001	Submission of Weekly Progress Reports	
234.	04.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-003	Illegal Stoppage of Structure Work By Local People at Komila Bypass at (K1-300) Around Area	
235.	09.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-004	Agree with Engineers Determination on Contractors interim Cost Claim for on Site Management During EOT 1 & EOT 2.RAR-01	
236.	09.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-005	Submission of 8th Extension of Contractors All Risk Insurance for RAR-01	
237.	09.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-WR-002	Submission of Weekly Progress Reports RAR-01	
238.	13.01.23	CCECC/PAK/DASUFIELD/RAR-01/HSE-23-001	Request for the Closure of NCR-07	
239.	15.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-WR-003	Submission of Weekly Progress Reports (6th-12th Jan 2023)	
240.	16.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-006	Occurrence of Land sliding at Komaila Bypass from K0+400 to K0+700 - Notice Under Clause 17.4	
241.	19.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-007	Destructive Activities by Dasu Dam Others Contractors at Different Locations at RAR-01	

Sr. No	Receiving Date	Letter No.	Subject	Remarks
242.	20.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-008	Interim Cost Claim Under Disruption & Delayed Handing-Over of Land Possession RAR01 (C1-C4)	
243.	21.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-009	Interim Cost Claim Under Disruption and Delayed Handing-Over of Land Possession RAR-01	
244.	21.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-010	Interim Cost Claim Under Disruption and Delayed Handing-Over of Land Possession RAR-01	
245.	23.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-WR-004	Submission of Weekly Progress Reports (13th - 19th Jan 2023)	
246.	25.01.23	CCECC/PAK/DASUFIELD/RAR-01/HSE-23-002	Unavailability of Up Model than 2020 Vehicles RAR-01	
247.	30.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-011	Submission of Interim Payment Application-IPA No.35.RAR-01	
248.	30.01.23	CCECC/PAK/DASUFIELD/RAR-01/23-012	Request for More Time for Submission of Fourth Extension of Time for Completion.RAR-01	
2.2.	**Dasu-RAR-02**			
Dasu-Office				
249.	01.01.23	CGGC/RAR-02/ED/DHC-483	Kandia K34+420 and K34+820 Work Hindrance RAR-02	
250.	02.01.23	CGGC/RAR-02/ED/DHC-484	Weekly Progress Report of RAR-02	
251.	02.01.23	CGGC/RAR-02/ED/DHC-485	Blasting Plan in Next Week of RAR-02	
252.	02.01.23	CGGC/RAR-02/HSED/DHC-486	Request for the Joint Inspection of Technical Solutions in Raised Issues	
253.	06.01.23	CGGC/RAR-02/HRD/DHC-487	Submission of Staff Information List	
254.	09.01.23	CGGC/RAR-02/ED/DHC-488	Blasting Plan in Next Week of RAR-02	
255.	09.01.23	CGGC/RAR-02/ED/DHC-489	Weekly Progress Report of RAR-02	
256.	10.01.23	CGGC/RAR-02/ED/DHC-490	Monthly Progress Report RAR-02	
257.	12.01.23	CGGC/RAR-02/ED/DHC-491	Kandia K34+420 and K34+820 Work Hindrance.RAR-02	
258.	12.01.23	CGGC/RAR-02/CD/DHC-492	Submission of the Statement Application for IPC 03 of RAR-02	
259.	15.01.23	CGGC/RAR-02/ED/DHC-493	Kandia K37 +700 Access Road Work Hindrance	
260.	16.01.23	CGGC/RAR-02/ED/DHC-494	Blasting Plan in Next Week of RAR-02 (	
261.	17.01.23	CGGC/RAR-02/ED/DHC-495	Reply of Engineers Response on Storage of Works Due to Blast Incident on 14th July 2021	
262.	17.01.23	CGGC/RAR-02/HSED/DHC-496	Submission of the Monthly OHS Report in December 2022 for RAR-02	
263.	16.01.23	CGGC/RAR-02/ED/DHC-497	Weekly Progress Report of RAR-02	
264.	17.01.23	CGGC/RAR-02/CD/DHC-498	Variation Proposal of Cable River - Crossing System (K20+590)	
265.	20.01.23	CGGC/RAR-02/CD/DHC-499	Interim Claim for Additional Payment due to Delayed Commissioning Extension of Bank Guarantees	
266.	21.01.23	CGGC/RAR-02/TD/DHC-500	Submission of Construction Scheme R1 of RAR-02	
267.	23.01.23	CGGC/RAR-02/ED/DHC-501	Blasting Plan in Next Week of RAR-02 (2023.01.23-2023.01.29)	
268.	23.01.23	CGGC/RAR-02/ED/DHC-502	Weekly Progress Report of RAR-02 (2023.01.16-2023.01.22)	
269.	26.01.23	CGGC/RAR-02/HSED/DHC-503	Submission of the Monthly Environment Report in December 2022	
270.	26.01.23	CGGC/RAR-02/CD/DHC-504	Request for Provision of Bitumen Rate from Attock Petroleum RAR-02	
271.	30.01.23	CGGC/RAR-02/ED/DHC-505	Blasting Plan in Next Week	
272.	30.01.23	CGGC/RAR-02/ED/DHC-506	Weekly Progress Report	
2.3.	**Dasu-KKH-01**			
Dasu Office				
273.	01.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-001	OSH KPI December 2022	
274.	01.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-002	High Risk Excavated Materials Lying at Zero Section Above Existing KKH	
275.	01.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-003	Fortnightly Explosive Record , 16-31 December 2022	
276.	02.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-004	7th Quarter Environmental Monitoring Schedule	
277.	02.01.23	CCECC/PAK/DASU-HPP/KKH-01/-23-001	Request for Joint Meeting to Streamline the Process of Payment Under Clause 14.2.6 of VO-005	
278.	06.01.23	CCECC/PAK/DASU-HPP/KKH-01/-23-002	Submission of Temporary Protection Work of the Sub-Grade at Logro B Tunnel Exit Portal	
279.	06.01.23	CCECC/PAK/DASU-HPP/KKH-01/-23-003	Responding to Engineer Comments Regarding Design Report and Detail Design of Uchar Bridge , Barseen Bridge and Dogah Bridge on KKH-01	
280.	06.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-005	NOC for Fuel Storage License (Form L) Rules 115 Article 5 , Petroleum Rules 1937	
281.	08.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-006	Monthly OHS Monitoring Report # 84 December 2022 KKH-01	
282.	09.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-007	Request for Security Personnel for Chinese Camp at Uchar.KKH-01	
283.	11.01.23	CCECC/PAK/DASU-HPP/KKH-01/-23-004	Third Party Testing of Jointly Sampled Material.KKH-01	
284.	12.01.23	CCECC/PAK/DASU-HPP/KKH-01/-23-005	HDPE Corrugated Pipe 600 MM Semicircular Corrugated Drain Pipe 100 MM.KKH-01	
285.	12.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-008	Monthly EHS Monitoring Report # 84 December 2022.KKH-01	
286.	16.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-009	Resubmission of ES - PAK Documents for Environmental Monitoring	
287.	18.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-011	Request Security Personnel for New Chinese Camp Chuchang	
288.	18.01.23	CCECC/PAK/DASU-HPP/ KKH-01/-23-006	Substantiation of On-Site Management Overhead Cost Claim on Account of Claim No.C1 & C4	
289.	19.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-010	Fortnightly Explosive Record , 1-15 January 2023	
290.	21.01.23	CCECC/PAK/DASU-HPP/ KKH-01/-23-007	Rectification of Fully Grouted Rock-bolt for Logro-A Tunnel (K9) KKH-01	
291.	26.01.23	CCECC/PAK/DASU-HPP/KKH-01/HSE-23-012	Initial Incident Report .52 (LTI Case)	
292.	26.01.23	CCECC/PAK/DASU-HPP/ KKH-01/-23-008	Approval of Laboratory Equipment Manufacturer & Supplier Kadeer Brother Limited KKH-01	
293.	30.01.23	CCECC/PAK/DASU-HPP/ KKH-01/HSE-23-013	Security Personnel Demand for New Chinese Camps	
294.	31.01.23	CCECC/PAK/DASU-HPP/ KKH-01/-23-009	Material Approval of Anchor Rod Nut and Steel Plate of Fazal Steeel	
295.	31.01.23	CCECC/PAK/DASU-HPP/ KKH-01/-23-010	Material Approval of Anchor Rod Nut and Steel Plate of PAK Steel	
2.4.	**Dasu-KKH-02**			
Dasu Office				
296.	01.01.23	CGGC/KKH-02/TD/DHC-352	Main Consensus Reached Between the Contractor and the Engineer Regarding the KKH-02 Variation Proposal	
297.	02.01.23	CGGC/KKH-02/TD/DHC-353	Submission of Chinese Specifications for Design of Highway Tunnel & Highway Alignment	
298.	01.01.23	CGGC/KKH-02/ED/DHC-354	Reply to Prolonged Closure of KKH	
299.	02.01.22	CGGC/KKH-02/TD/DHC-355	Re-Submission of Geotechnical Investigation Proposal for the Varied Bridges	
300.	07.01.23	CGGC/KKH-02/HSED/DHC-356	Submission of Method Statement for Removal of Loose Material & Material Haulage of KKH-02	

Sr. No	Receiving Date	Letter No.	Subject	Remarks
301.	07.01.23	CGGC/KKH-02/ED/DHC-357	Request for Resumption of Work at KKH-02	
302.	06.01.23	CGGC/KKH-02/HRD/DHC-358	Submission of Staff Information List	
303.	09.01.23	CGGC/KKH-02/HSED/DHC-359	Closure of ICAP for Fatality Incident at K33+510.KKH-02 on 24th December 2022	
304.	09.01.23	CGGC/KKH-02/TD/DHC-360	Submission of the Geological Investigation Contents and Quantities for New Tunnels Design.KKH-02	
305.	10.01.23	CGGC/KKH-02/TD/DHC-361	Reply to Resource Loaded Schedule.KKH-02	
306.	10.01.23	CGGC/KKH-02/ED/DHC-362	Monthly Progress Report KKH-02	
307.	14.01.23	CGGC/KKH-02/TD/DHC-363	Explanation of the Experimental and Geophysical Exploration Methods.KKH-02	
308.	16.01.23	CGGC/KKH-02/HSED/DHC-364	Submission of Revised Method Statement for Removal of Loose Material & Material Haulage of KKH-02	
309.	16.01.23	CGGC/KKH-02/HSED/DHC-365	Monthly Environmental Report for December 2022	
310.	18.01.23	CGGC/KKH-02/HSED/DHC-366	Blasting Plan in Next Week of KKH-02	
311.	20.01.23	CGGC/KKH-02/CD/DHC-367	Interim Claim for Additional Payment due to Delayed Commissioning Extension of Bank Guarantee	
312.	20.01.23	CGGC/KKH-02/CD/DHC-368	Interim Claim KKH-02 -C-01	
313.	24.01.23	CGGC/KKH-02/ED/DHC-369	Weekly Progress Report of KKH-02 (2023; 1.17 -2023.1.22)	
314.	24.01.23	CGGC/KKH-02/ED/DHC-370	Blasting Plan in Next Week of KKH-02 (2023.1.23-2023.1.29)	
315.	27.01.23	CGGC/KKH-02/ED/DHC-371	The Provision of Recommendation letter for Explosive license Renewal KKH-02	
316.	27.01.23	CGGC/KKH-02/CD/DHC-372	Request for Provision of Bitumen Rate from Attock Petroleum KKH-02	
317.	28.01.23	CGGC/KKH-02/ED/DHC-373	Report on the Delay in Land Handover KKH-02	
318.	28.01.23	CGGC/KKH-02/HSED/DHC-375	Request For Resumption of Work on K-34 & K-36 at KKH-02	
319.	28.01.23	CGGC/KKH-02/HSED/ WAP DA-7	Request for Install the Communication System at Looter Area	
320.	28.01.23	CGGC/KKH-02/HSED/ WAP DA-8	Request for Letter to DC Office for NOC of Explosive License Renewal.KKH-02	
321.	31.01.23	CGGC/KKH-02/HSED/DHC-376	Occupational Health and Safety Report for December 2022	
322.	31.01.23	CGGC/KKH-02/ED/DHC-377	Weekly Progress Report	
323.	31.01.23	CGGC/KKH-02/ED/DHC-378	Blasting Plan in Next Week	
2.5.	**Dasu-TL-01**			
Dasu Office				
324.	01.01.23	PC/Dasusite/TL-01/2023/001	Call for Visual Inspection of Power Transformer at Ghazi Barotha TL-01)	
325.	01.01.23	PC/Dasusite/TL-01/2023/002	Submission of List of Vehicles for the Month of December, 2022 TL-01	
326.	01.01.23	PC/Dasusite/TL-01/2023/003	Data List of In-Migrants Pak Workforce & Daily Wagers Data for the Month of December, 2022 TL-01	
327.	02.01.23	PC/Dasu/TL-01/JS/23/001	Commercial Invoice for Interim Payment.TL-01	
328.	02.01.23	PC/Dasusite/TL-01/2023/004	Submission of Weekly Report	
329.	01.01.23	PC/Dasusite/TL-01/2023/005	Call of Visual Inspection of Power Transformer at Ghazi Barotha	
330.	03.01.23	PC/Dasusite/TL-01/2023/006	Submission of Monthly Progress Report for December 2022	
331.	04.01.23	PC/Dasusite/TL-01/2023/007	Submission of 74th Heath safety & Environment (HSE) Report for the Month of December 2022	
332.	09.01.23	PC/Dasusite/TL-01/2023/008	Submission of Boundary Wall Drawing and Calculation of Grid Station.TL-01	
333.	09.01.23	PC/Dasusite/TL-01/2023/009	Mechanism for Recovery of Advance Payment Foreign Component.TL-01	
334.	09.01.23	PC/Dasusite/TL-01/2023/010	Submission of Weekly Progress Report.TL-01	
335.	10.01.23	PC/Dasusite/TL-01/2023/011	Submission of Approved Foundation Drawings of Gantries and Earth Mast of Grid Station.	
336.	16.01.23	PC/Dasusite/TL-01/2023/012	Submission of Weekly Progress Report	
337.	23.01.23	PC/Dasusite/TL-01/2023/013	Submission of Weekly Progress Report TL-01	
338.	23.01.23	PC/Dasusite/TL-01/2023/014	Replacement of Silica Gel for Power Transformer Stored at Ghazi Barotha complex TL-01	
339.	23.01.23	PC/Dasusite/TL-01/2023/015	Submission of Extended Performance Guarantee TL-01	
340.	31.01.23	PC/Dasusite/TL-01/2023/016	Submission of Weekly Progress Report	
2.6.	**Dasu MW-01**			
Dasu Office				
341.	02.01.23	CGGC/MW-01/ED/DHC-2740	Weekly Progress Report of MW-01	
342.	02.01.23	CGGC/MW-01/ED/DHC-2741	Blasting Plan in Next Week of MW-01	
343.	03.01.23	CGGC/MW-01/TD/DHC-2742	Submission of the C20 Concrete Mix Design for the Cut-off Wall	
344.	02.01.23	CGGC/MW-01/CD/DHC-2743	Proposal for Varied Works for Diversion Gates and Hoists	
345.	04.01.23	CGGC/MW-01/HSED/DHC-2744	Request to Clarify the Measurment & Payment Against Adding Fence along KKH above Adit A3-2 Portal Area	
346.	06.01.23	CGGC/MW-01/ED/DHC-2745	Report on the Delay in Land Handover	
347.	03.01.23	CGGC/MW-01/HSED/DHC-2746	Reply to the Matter Regarding the Layout of Watchtower in KASS Camp	
348.	03.01.23	CGGC/MW-01/TD/DHC-2747	Submission of the Convergence Measurements Data of MW-01 in December 2022	
349.	06.01.23	CGGC/MW-01/ED/DHC-2748	Monthly Progress Report MW-01	
350.	06.01.23	CGGC/MW-01/HRD/DHC-2749	Submission of Staff Information List	
351.	06.01.23	CGGC/MW-01/GD/DHC-2750	Letter Regarding AFI Issues of the Employer and the Engineer's Field Cabins	
352.	06.01.23	CGGC/MW-01/CD/DHC-2751	Interim Claim Contemporary Records MW-01	
353.	07.01.23	CGGC/MW-01/TD/DHC-2752	Letter on Uchar Power Station Canopy and Earthling System Plan	
354.	07.01.23	CGGC/MW-01/HSED/DHC-2753	Request for Removing the WAPDA Camera at Diversion Tunnels	
355.	08.01.23	CGGC/MW-01/HSED/DHC-2754	Request for Restricting the Unauthorized Entry at Uchar New crushing and Batching Plant	
356.	06.01.23	CGGC/MW-01/PD/WAPDA-81	Request for Urgently Assist for NOC.MW-0	
357.	08.01.23	CGGC/MW-01/HRD/DHC-2755	Response Letter to Mr.Saif ur Rehmans Appeal.MW-01	
358.	08.01.23	CGGC/MW-01/ED/DHC-2756	Letter on Water Supply at Kass Main Camp.MW-01	
359.	08.01.23	CGGC/MW-01/CD/DHC-2757	Provision of Administrative Item for Security Staff at Kass Camp MW-01	
360.	09.01.23	CGGC/MW-01/TD/DHC-2758	Submission of Method Statement of Crack Repair of Diversion Tunnel Arch.MW-01	
361.	09.01.23	CGGC/MW-01/TD/DHC-2759	Submission of Design Drawings of Slope Excavation and Support of Cable Crane Installation Platform.MW-01	

Sr. No	Receiving Date	Letter No.	Subject	Remarks
362.	09.01.23	CGGC/MW-01/CD/DHC-2760	Analysis for Prolongation Claim.MW-01	
363.	09.01.23	CGGC/MW-01/ED/DHC-2761	Blasting Plan in next Week of MW-01	
364.	10.01.23	CGGC/MW-01/FD/DHC-2762	Request for the Payment of 33# Interim Payment Certificate No.MW-01	
365.	09.01.23	CGGC/MW-01/ED/DHC-2763	Weekly Progress Report of MW-01	
366.	10.01.23	CGGC/MW-01/CD/DHC-2764	Submission of the Statement Application for IPC-34 11 of MW-01	
367.	10.01.23	CGGC/MW-01/TD/DHC-2766	Reply to Survey of Kaigah Quary.MW-01	
368.	10.01.23	CGGC/MW-01/EMD/DHC-2767	Submission of the Inspection Report for the Guide Frames of DT-A Repaired in SK (HSS).MW-01	
369.	11.01.23	CGGC/MW-01/PD/DHC-2768	Submission of the Documents for Cable Manufacturer Information for MW-01	
370.	13.01.23	CGGC/MW-01/TD/DHC-2769	Submission of the Third-Party Test Results of Material in November	
371.	13.01.23	CGGC/MW-01/TD/DHC-2770	Submission of Fuji LAC, SBT WRA Pump Concrete with Pozzolan Mix Design	
372.	13.01.23	CGGC/MW-01/TD/DHC-2771	Submission of the Amended Construction Plan of River Diversion	
373.	16.01.23	CGGC/MW-01/TD/DHC-2772	Submission the Third-Party 90 Days Test Results of Pozzolan (NSP1)	
374.	16.01.23	CGGC/MW-01/FD/DHC-2773	Submission of Extended Advance Payment Guarantee of Dasu -MW-01	
375.	16.01.23	CGGC/MW-01/ED/DHC-2774	Blasting Plan in Next Week of MW-01	
376.	15.01.23	CGGC/MW-01/TD/DHC-2775	Cut off Wall II-1 and I-1 Construction Works on Right Bank	
377.	16.01.23	CGGC/MW-01/ED/DHC-2777	Weekly Progress Report of MW-01	
378.	17.01.23	CGGC/MW-01/HSED/DHC-2775	Submission of the Monthly OHS Report in December 2022 for MW-01	
379.	18.01.23	CGGC/MW-01/TD/DHC-2776	Reply of Engineers Response on Stoppage of Works Due to Blast Incident on 14th July 2021	
380.	18.01.23	CGGC/MW-01/ED/DHC-2780	Reply to Water Supply at Kass Main Camp	
381.	19.01.23	CGGC/MW-01/TD/DHC-2778	Submission of Conveyor Belt Drawings from RCC Batching Plant to Dam Construction Site , MW-01	
382.	19.01.23	CGGC/MW-01/TD/DHC-2779	Submission of Fauji LAC,SBT WRA Low Slump A40 Concrete Mix Design (30-50mm)	
383.	18.01.23	CGGC/MW-01/PD/DHC-2781	Submission of Minutes of Meetings	
384.	18.01.23	CGGC/MW-01/CD/DHC-2782	Extension for Insurance Due to the Extension of Time	
385.	19.01.23	CGGC/MW-01/TD/DHC-2783	Submission of the Plan for Material Testing in Third -Party in January	
386.	20.01.23	CGGC/MW-01/TD/DHC-2784	Remind to Reply of Amended Construction Plan of River Diversion	
387.	18.01.23	CGGC/MW-01/EMD/DHC-2785	Re-Submission of the Inspection Report for the Guide Frames of DT-A Repaired in SK (HSS)	
388.	20.01.23	CGGC/MW-01/TD/DHC-2786	Equivalent Alkali Content Tests Results of Fauji Lac Cement (MW-01)	
389.	20.01.23	CGGC/MW-01/TD/DHC-2787	Optional Requirements of ASTM618 for Testing of Natural Pozzolan	
390.	21.01.23	CGGC/MW-01/TD/DHC-2788	Reply Engineer's Comments to Amended Construction Plan of River Diversion -MW-01	
391.	23.01.23	CGGC/MW-01/ED/DHC-2789	Blasting Plan in Next Week of MW-01 (2023.01.23-2023.01.29)	
392.	23.01.23	CGGC/MW-01/ED/DHC-2790	Weekly Progress Report of MW-01 (2023.01.16-2023.01.22)	
393.	24.01.23	CGGC/MW-01/TD/DHC-2791	Submission of Method Statement of Crack Repair of Diversion Tunnel Arch (D2)	
394.	25.01.23	CGGC/MW-01/PD/DHC-2792	Delivery Time of 01 DG Set for Urgent Operation of Power Supply No.1 Crushing Plant and No.1 Batching Plant MW-01	
395.	25.01.23	CGGC/MW-01/CD/DHC-2793	Explanation and Supplementary of Firing Incident Claim MW-01	
396.	25.01.23	CGGC/MW-01/ED/DHC-2794	Reply to Water Supply at KASS Main Camp MW-01	
397.	26.01.23	CGGC/MW-01/HSED/DHC-2795	Submission of the Monthly Environment Report in December 2022 (MW-01)	
398.	26.01.23	CGGC/MW-01/TD/DHC-2796	Reminder to Issue Retaining Wall Drawings Along the River Side of Kass Spoil Bank MW-01	
399.	27.01.23	CGGC/MW-01/TD/DHC-2797	Enlarge Excavation Diversion Tunnel Outlet Right Bank Channel MW-01	
400.	27.01.23	CGGC/MW-01/TD/DHC-2798	Reply to Cutoff Wall II -1 and I -1 Construction Works on Right Bank MW-01	
401.	27.01.23	CGGC/MW-01/TD/DHC-2799	Submission of Design Documents of HSS Submit Schedule in 2023 MW-01	
402.	27.01.23	CGGC/MW-01/TD/DHC-2800	Typing Error in Prolongation Costs Claim MW-01	
403.	29.01.23	CGGC/MW-01/CD/DHC-2801	Submission of the Statement Application for IPC 35	
404.	30.01.23	CGGC/MW-01/TD/DHC-2802	Minutes of Technical Meeting on River Diversion Works.MW-01	
405.	31.01.23	CGGC/MW-01/GD/WAPDA-82	Request for Issuing the Recommendation Letter Regarding the Custom Clearance for Equipment Nature Pozzolan Factory	
406.	30.01.23	CGGC/MW-01/TD/DHC-2803	Weekly Progress Report	
407.	30.01.23	CGGC/MW-01/ED/DHC-2804	Blasting Plan in Next Week	
408.	30.01.23	CGGC/MW-01/ED/DHC-2805	Response Letter to Mr.Hafizullah SO Fatiur Rehmans Application	
409.	31.01.23	CGGC/MW-01/TD/DHC-2806	Submission of the Grouting Mix Design	
410.	31.01.23	CGGC/MW-01/CD/DHC-2807	Payment of Hire Charges for Air Transport Services	
2.7. Dasu-MW-02				
Dasu-Office				
411.	01.01.23	CGGC/MW-02/HRD/DHC-2004	Delegation of Power as MW-02 Manager	
412.	02.01.23	CGGC/MW-02/TD/DHC-2005	Service Tunnel B Geological Mapping	
413.	02.01.23	CGGC/MW-02/ED/DHC-2006	Weekly Progress Report of MW-02	
414.	02.01.23	CGGC/MW-02/ED/DHC-2007	Blasting plan of MW-02	
415.	03.01.23	CGGC/MW-02/TD/DHC-2008	Submission of the Method Statement of Excavation and Supporting of Tailrace Tunnel (D1)	
416.	02.01.23	CGGC/MW-02/TD/DHC-2009	Submission of the Strength Calculation of Track of Mobile Platform for Powerhouse Exhaust Shaft	
417.	05.01.23	CGGC/MW-02/TD/DHC-2010	Submission of the Convergence Measurements Data of MW-02 in December 2022	
418.	03.01.23	CGGC/MW-02/HSED/DHC-2011	Reply to the NCR Regarding Failure to Provide Adequate Lighting and Ventilation in and PH Tunnels	
419.	03.01.23	CGGC/MW-02/HSED/DHC-2012	Reply to the NCR Regarding Modification in Sedimentation Tank Effecting the Retention the of Waste Water Near Adit -3	
420.	06.01.23	CGGC/MW-02/ED/DHC-2013	Report on the Delay in Land Handover	
421.	06.01.23	CGGC/MW-02/ED/DHC-2014	Monthly Progress Report	
422.	05.01.23	CGGC/MW-02/ED/DHC-2015	Submission of the Proposal of Ventilation for Surge Chamber	

Sr. No	Receiving Date	Letter No.	Subject	Remarks
423.	06.01.23	CGGC/MW-02/HRD/DHC-2016	Submission of Staff Information List	
424.	07.01.23	CGGC/MW-02/TD/DHC-2017	Submission of the Updated Contract Programme R5-D12 of MW-02 (2017)	
425.	09.01.23	CGGC/MW-02/CD/DHC-2018	Interim Claim Contemporary Records MW-02	
426.	09.01.23	CGGC/MW-02/CD/DHC-2019	Analysis for Prolongation Claim-MW-02	
427.	09.01.23	CGGC/MW-02/ED/DHC-2020	Blasting Plan of MW-02	
428.	10.01.23	CGGC/MW-02/FD/DHC-2021	Request for the Payment of 33# Interim Payment Certificate of MW-02	
429.	09.01.23	CGGC/MW-02/ED/DHC-2022	Weekly Progress Report of MW-02	
430.	09.01.23	CGGC/MW-02/CD/DHC-2023	Submission of the Statement Application for IPC-34 II of MW-02	
431.	11.01.23	CGGC/MW-02/PD/DHC-2024	Submission of the Documents for Cable Manufacturer Information for MW-02	
432.	13.01.23	CGGC/MW-02/TD/DHC-2025	Submission of the Third-Party Test Results of Material in November	
433.	13.01.23	CGGC/MW-02/TD/DHC-2026	Submission of Fuji LAC, SBT WRA Pump Concrete with Pozzolan Mix Design	
434.	16.01.23	CGGC/MW-02/TD/DHC-2027	Submission the Third -Party 90 Days Test Results of Pozzolan (NPS1)	
435.	16.01.23	CGGC/MW-02/FD/DHC-2028	Submission of Extended Advance Payment Guarantee of Dasu -MW-02	
436.	16.01.23	CGGC/MW-02/ED/DHC-2029	Blasting Plan of MW-02	
437.	16.01.23	CGGC/MW-02/ED/DHC-2032	Weekly Progress Report of MW-02	
438.	17.01.23	CGGC/MW-02/HSED/DHC-2030	Submission of the Monthly OHS Report in December 2022 for MW-02 (	
439.	18.01.23	CGGC/MW-02/TD/DHC-2031	Reply of Engineers Response on Stoppage of Works Due to Blast Incident on 14th July 2021	
440.	19.01.23	CGGC/MW-02/TD/DHC-2033	Submission of Fauji LAC , SBT WRA Low A40 Slump A40 Concrete Mix Design (30-50mm)	
441.	19.01.23	CGGC/MW-02/CD/DHC-2034	Extension for Insurance Due to the Extension of Time	
442.	19.01.23	CGGC/MW-02/HRD/DHC-2035	Visa Invitation Letter	
443.	19.01.23	CGGC/MW-02/TD/DHC-2036	Submission of the Plan for Material Testing inThird-Party in January	
444.	23.01.23	CGGC/MW-02/ED/DHC-2037	Blasting Plan of MW-02	
445.	23.01.23	CGGC/MW-02/ED/DHC-2038	Weekly Progress Report of MW-02 (2023.01.16-2023.01.22)	
446.	24.01.23	CGGC/MW-02/ED/DHC-2039	Letter on the Installation Progress of the Powerhouse Instrument MW-02	
447.	25.01.23	CGGC/MW-02/CD/DHC-2040	Explanation and Supplementary of Firing Incident Claim MW-02	
448.	26.01.23	CGGC/MW-02/HSED/DHC-2041	Submission of the Monthly Environment Report in December 2022 (MW-02)	
449.	25.01.23	CGGC/MW-02/TD/DHC-2042	Submission of the Method Statement of Excavation and Supporting of GIL Tunnel (D1)	
450.	27.01.23	CGGC/MW-02/TD/DHC-2043	Submission of Design Documents of HSS Submit Schedule in 2023 MW-02	
451.	27.01.23	CGGC/MW-02/TD/DHC-2044	The Provision of Recommendation letter for Explosive license Renewal MW-02	
452.	28.01.23	CGGC/MW-02/ED/WAPDA-38	Request for Letter to DC Office for NOC of Explosive License Renewal	
453.	29.01.23	CGGC/MW-02/CD/DHC-2045	Submission of the Statement Application for IPC 35 of MW-02	
454.	30.01.23	CGGC/MW-02/TD/DHC-2046	Submission of the Drawings of Transforming Dump Truck into Mobile Construction Platform	
455.	30.01.23	CGGC/MW-02/ED/DHC-2047	Weekly Progress Report	
456.	30.01.23	CGGC/MW-02/ED/DHC-2048	Blasting Plan	
457.	31.01.23	CGGC/MW-02/TD/DHC-2049	Submission of the Grouting Mix Design	
2.8. Dasu-LBRV-11				
Dasu-Office				
458.	28.01.23	ZEG/DHC/LBRV-11/23-01	The Engineer Assessment on the Contractors Prolongation Management Cost Claim	
459.	28.01.23	ZEG/DHC/LBRV-11/23-02	Notice to Correct Under GC Sub-Clause 15.1	
2.9. Dasu-LBRV-12				
Dasu-Office				
460.	28.01.23	ZEG/DHC/LBRV-12/23-01	The Engineer Assessment on the Contractors Prolongation Management Cost Claim	
461.	28.01.23	ZEG/DHC/LBRV-12/23-02	Notice to Correct Under GC Sub-Clause 15.1	
2.10. PCI-01R				
Dasu- Office				
462.	05.01.23	CGICOP-DASU-PCI-01R-PO-1640	Notice for Work Stoppage at Septic Tank Type D for Residence Category -2 Near New KKH Under	
463.				
464.	06.01.23	CGICOP-DASU-PCI-01R-PO-1641	Notice for Delay in Issuance of Boundary Wall Construction Drawings near Residence Category -3	
465.	06.01.23	CGICOP-DASU-PCI-01R-PO-1642	Request for Payment IPC No.38	
466.	12.01.23	CGICOP-DASU-PCI-01R-PO-1643	Submission of Environment Health and Safety Monthly Report Dec 2022 PCI-01R	
467.	12.01.23	CGICOP-DASU-PCI-01R-PO-1644	Submission of Monthly Environment Report Dec 2022 PC-01R	
468.	15.01.23	CGICOP-DASU-PCI-01R-PO-1645	Submission of Catalogue for Selection of Kitchen Smoke Hood	
469.	15.01.23	CGICOP-DASU-PCI-01R-PO-1646	Response to Insufficient Resource to Complete the Project	
470.	14.01.23	CGICOP-DASU-PCI-01R-PO-1647	Submission of Emergency Response Plan and Emergency Equipment List	
471.	16.01.23	CGICOP-DASU-PCI-01R-PO-1648	Approval of Method Statement	
472.	16.01.23	CGICOP-DASU-PCI-01R-PO-1649	Request for Approval of Brighto (Pvt) Color Codes for the Colony Building's	
473.	17.01.23	CGICOP-DASU-PCI-01R-PO-1650	Notice for Delay in Issuance of Step Ladder (Additional Work) for the Top Roof Access of the Residence Category -1 & 2 Buildings	
474.	17.01.23	CGICOP-DASU-PCI-01R-PO-1651	Submission of Variation Order # 40 for Provision of MS Spiral Stairs in Residence Category -2	
475.	17.01.23	CGICOP-DASU-PCI-01R-PO-1652	Submission of Variation Order # 41 for Preparation of Subgrade & Compaction for Colony Roads	
476.	19.01.23	CGICOP-DASU-PCI-01R-PO-1653	Provision of Chinese Foreigners Data	
477.	20.01.23	CGICOP-DASU-PCI-01R-PO-1654	Notice for Delay in Issuance of Construction Drawings for Uchar Nullah	
478.	21.01.23	CGICOP-DASU-PCI-01R-PO-1655	Notice for Delay in Issuance of Slope Protection Design at Front Side of the Hostel Category -2C & 2D	

Sr. No	Receiving Date	Letter No.	Subject	Remarks
479.	21.01.23	CGICOP-DASU-PCI-01R-PO-1656	Notice for Delay in Issuance of Instruction for Boundary Wall Construction Drawings Near Residence Category -3	
480.	21.01.23	CGICOP-DASU-PCI-01R-PO-1657	Notice for Delay in Issuance of Instruction for Boundary Wall Height Increase at Category -2B Part -1	
481.	23.01.23	CGICOP-DASU-PCI-01R-PO-1658	Submission of Detail of Discarded Materials PCI-01R	
482.	24.01.23	CGICOP-DASU-PCI-01R-PO-1659	Monthly Progress Report for the Month of December 2022 PCI-01R	
483.	24.01.23	CGICOP-DASU-PCI-01R-PO-1660	Approval of Method of Statement for Treatment Irregular Top Surface Level PCI-01R	
484.	27.01.23	CGICOP-DASU-PCI-01R-PO-1661	Revised Programme as Per Approval of EoT-1 PCI-01R	
485.	30.01.23	CGICOP-DASU-PCI-01R-PO-1662	Submission of Variation order # 42	
486.	30.01.23	CGICOP-DASU-PCI-01R-PO-1663	Re-Submission of Slope Protection Drawings	
2.11 Dasu RV				
Dasu Office				
487.	01.01.23	KGL/Dasu-RV/23-001	Construction of Access Road for RV Choochang Site -04 (Upper Kuz Choochang) (001)	
488.	01.01.23	KGL/Dasu-RV/23-002	Stoppage of Work	
489.	01.01.23	KGL/Dasu-RV/23-003	Submission of Cost Proposal for External Water Supply Line	
490.	06.01.23	KGL/Dasu-RV/23-004	Development of Plots for Resettlement Villages of Dasu RV	
491.	08.01.23	KGL/Dasu-RV/23-005	Varied Works of Safety Railing and Chain Link Fence for Resettlement Villages. RV	
492.	09.01.23	KGL/Dasu-RV/23-006	Suggestion to Way Forward.RV	
493.	15.01.23	KGL/Dasu-RV/23-007	Rain at Site	
494.	15.01.23	KGL/Dasu-RV/23-008	Possession of Site	
495.	16.01.23	KGL/Dasu-RV/23-009	Submission of December 2022 Progress Report	
496.	17.01.23	KGL/Dasu-RV/23-010	Stoppage of Work	
497.	18.01.23	KGL/Dasu-RV/23-011	PAR Road for Kuz Choochang Upper Portion	
2.12 Dasu EM-01				
Dasu Office				
498.	02.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0001	Submission of Cargo Insurance Document for Second Batch of Equipment	
499.	03.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0002	Dasu U1 Stay Ring Fat Notification for Inspection (NFI) and Test Program	
500.	03.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0003	Follow Up Interim Payment (Invoice Number Dasu –EM-01	
501.	04.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0004	-Delayed Approval for Contractors Technical Drawings	
502.	06.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0005	Notice of Shipment for Second Batch of Delivery Dasu EM-01	
503.	10.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0006	Follow Up Response to Updated Dasu EM-01 Hydro Power Plant Programme of Performance V1.10 and Associated Clarification Needed.EM-01	
504.	10.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0007	Follow Up Further Clarification on Labor Index in Price Adjustment.EM-01	
505.	11.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0011	Remuneration of the Employers Nominee for Dispute Board (DB).EM-01	
506.	12.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0008	Follow Up for Interim Payment Certificate No.02 and Contractors Claim for Interest.EM-01	
507.	12.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0010	Submission of the unit Online Monitoring Drawing for Sensor Assembly and Operation Manual.EM-01	
508.	14.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0012	Submission of Employers Liability Insurance.EM-01	
509.	13.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0013	Record of Contractors Personnel.EM-01	
510.	13.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0015	Claim Additional Payment for December 2022- Temporary Storage Cost at Ghazi Barotha C-08 EM-01	
511.	13.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0016	Claim Additional payment for December 2022- Delay in Generation of Financial Instrument (FI) Number-EM-01-C-07	
512.	13.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0017	Claim NO.EM-01-C-06 Change of Coordination Events- Additional Cost Due to Extension of Time for Completion (Interim as of 31st December 2022)	
513.	13.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0018	Response on Cargo Insurance Document for Second Batch of Equipment.EM-01	
514.	16.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0020	Follow Up Response to Contractor's Commercial Letters (as of 15th January 2023)	
515.	17.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0014	Submission of Security System Plan for EM-01 Site Camp	
516.	17.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0021	Reminder for Dasu Generator Air Water Cooling System , NDE Bearing Piping Assembly , DE Bearing Piping Assembly	
517.	17.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0022	Application for Payment for Plant and Mandatory Spare Parts Supplied from Abroad	
518.	17.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0024	Reply for Discharge Calculation Submission for Approval	
519.	18.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0025	Delayed Approval for Contractor's Technical Drawings	
520.	18.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0027	Reply for Unit Selection of Turbine Site Thermodynamic Test for Approval	
521.	19.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0023	Claim due to Row Issues at EM-01 Site Camp	
522.	19.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0026	Resubmission the GCB Detailed Design Drawing	
523.	20.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0019	Submission the 765KV Protection Single line Diagram	
524.	19.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0028	Reply for Detail Design Drawings of Turbine Piping and Submission for Approval	
525.	23.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0030	Monthly Progress Report ,December 2022 EM-01	
526.	31.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0029	Submission of Structure Drawings for EM-01 Camp	
527.	31.01.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0031	Follow up Response to Contractors Commercial Letters (As of 31st January 2023)	

Outgoing Letters from DHC

Sr. No	Date	Letter No.	Subject	Remarks
1. To WAPDA				
1.1.	**General**			
	Lahore office			
1.	04.01.23	DHC/LHR/WAPDA/GEN/zuh/23-001	Request for Approval Muhammad Haris Malik Jr Road Engineer (RAR-02) L90 Repl. Waleed Saqib	
2.	09.01.23	DHC/LHR/WAPDA/GEN/zuh/23-002	Request for Approval Kashif Sajjad TBN Position ARE Roads (KKH-02 RAR-02) L74	
3.	10.01.23	DHC/LHR/WAPDA/GEN/zuh/23-003	Observation on Promotion Muhammad Riaz RE (Transmission, K14) to Chief Engineer Electrical K51	
4.	10.01.23	DHC/LHR/WAPDA/GEN/mkk/23-004	Request for Expedite Extension Case Multiple Entry Business Visa John Allan	
5.	16.01.23	DHC/LHR/WAPDA/GEN/zuh/23-005	Request for Promotion Naveed Anwar Khan RE (Roads)(Assistant) K7 to Chief Engineer (Roads) L111	
6.	16.01.23	DHC/LHR/WAPDA/GEN/aiq/23-006	Verification of Record-Audit Payment Made to DHC for Sep. 2011 to 2016 Carried Out 10.01.17 to 26.05.17	
7.	17.01.23	DHC/LHR/WAPDA/GEN/aiq/23-007	Supplementary Invoice (Remuneration) Local Currency Portion Jan-17, Dec-20, Jan-21, Nov-21 & Jan. to May-20122	
8.	17.01.23	DHC/LHR/WAPDA/GEN/zaiq/23-008	Supplementary Invoice (Remuneration) Local Currency Portion for June to October 2022	
9.	17.01.23	DHC/LHR/WAPDA/GEN/aiq/23-009	Statement of Reimbursable Expenses Local Currency Portion 1120 Meter Drilling 08 Nos Tunnels	
10.	10.01.23	DHC/LHR/WAPDA/GEN/aiq/23-010	010-10.01.23-Payment to Executive Director DID 1120 Meter Drilling 08 Tunnels at Dasu HPP.	
11.	18.01.23	DHC/LHR/WAPDA/GEN/aiq/23-011	Balance Payment to Executive Director DID in respect of 1120 Meter Drilling of 08 Nos Tunnels Dasu HPP.	
12.	18.01.23	DHC/LHR/WAPDA/GEN/aiq/23-012	Statement of Reimbursable Expenses Local Currency Portion October 2022.	
13.	18.01.23	DHC/LHR/WAPDA/GEN/aiqh/23-013	Gratuity and Employee's Old Age Benefit (EOBI) DHC Non-Technical Staff on Dasu HPP	
14.	19.01.23	DHC/LHR/WAPDA/GEN/zuh/23-014	Request for Promotion Imran Hassan Sr to Principal Design Engineer (Diversion Dam) L36	
15.	20.01.23	DHC/LHR/WAPDA/GEN/aiq/23-015	Invoice Remuneration Local Currency Portion for December 2022	
16.	20.01.23	DHC/LHR/WAPDA/GEN/zuh/23-016	Gratuity and Employee's Old Age Benefit ((EOBI) of DHC Non-Technical Staff Working for DHPP.	
17.	25.01.23	DHC/LHR/WAPDA/GEN/zuh/23-017	Request for Approval Hafiz Jamil Ahmed TBN Position Sr Cost & Schedule Monitoring Engineer NP23	
18.	26.01.23	DHC/LHR/WAPDA/GEN/zuh/23-018	Request for Promotion of Mr. Habib Ullah Sr. Site Engineer (Powerhouse-1) L-10 to TBN Position L-188	
19.	27.01.23	DHC/LHR/WAPDA/GEN/aiq/23-019	Invoice (Remuneration) Foreign Currency Portion December 2022-EURO	
20.	27.01.23	DHC/LHR/WAPDA/GEN/aiq/23-019	Invoice (Remuneration) Foreign Currency Portion December 2022-JPY	
21.	27.01.23	DHC/LHR/WAPDA/GEN/zuh/23-020	Statement Reimbursable Expenses Foreign Currency Portion December 2022-JPY	
22.	27.01.23	DHC/LHR/WAPDA/GEN/zaiq/23-020	Statement Reimbursable Expenses Foreign Currency Portion December 2022-EURO	
23.	31.01.23	DHC/LHR/WAPDA/GEN/zuh/23-001	Audit of Payments Made to DHC for Oct-16 to Apr-20, Gratuity & EOBI of DHC Non-Technical Staff	
Dasu office				
24.	01.01.23	DHC/Dasu/WAPDA/GEN/you/23-001	Security Arrangements for Travelling of CGGC Expatriates	
25.	01.01.23	DHC/Dasu/WAPDA/GEN/you/23-002	Security Arrangements for Travelling of CCECC Expatriates	
26.	01.01.23	DHC/Dasu/WAPDA/GEN/you/23-003	Security Arrangements for Travelling of CGGC Expatriates	
27.	01.01.23	DHC/Dasu/WAPDA/GEN/you/23-004	Security Arrangements for Travelling of CCECC Expatriates	
28.	02.01.23	DHC/Dasu/WAPDA/GEN/myb/23-005	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr.Takuji Kataoka)	
29.	02.01.23	DHC/Dasu/WAPDA/GEN/myb/23-006	Security Arrangements for Travelling of DHC Expatriates as a Special Case (Mr.Fidencio Mendez)	
30.	02.01.23	DHC/Dasu/WAPDA/GEN/myb/23-007	Security Arrangements for Travelling of DHC Expatriates as Special Case (Mr.Cem Aker)	
31.	04.01.23	DHC/Dasu/WAPDA/GEN/you/23-008	Security Arrangements for Travelling of CGGC Expatriates	
32.	04.01.23	DHC/Dasu/WAPDA/GEN/you/23-009	Security Arrangements for Travelling of CCECCC Expatriates	
33.	04.01.23	DHC/Dasu/WAPDA/GEN/you/23-010	Security Arrangements for Travelling of CGGC Expatriates	
34.	04.01.23	DHC/Dasu/WAPDA/GEN/myb/23-011	Revised Security Arrangements for Travelling of DHC Expatriates as a Special Case (Mr.Cem Aker	
35.	04.01.23	DHC/Dasu/WAPDA/GEN/myb/23-012	Revised Security Arrangements for Travelling of DHC Expatriates as a Special Case (Mr.Takuji Kataoka)	
36.	04.01.23	DHC/Dasu/WAPDA/GEN/tm/23-013	Request for Approval of Mr.Airo ASAYAMA as Resident Engineer (Dam((K8)	
37.	05.01.23	DHC/Dasu/WAPDA/GEN/you/23-014	Revised Security Arrangements for Travelling of CCECCC Expatriates	
38.	05.01.23	DHC/Dasu/WAPDA/GEN/myb/23-015	Changes in Schedule of Outstation Movement of Expatriates as a Special Case	
39.	06.01.23	DHC/Dasu/WAPDA/GEN/myb/23-016	Revised Security Arrangements for Travelling of DHC Expatriates (Mr.Tatsuya Miyazato & Mr.Takuji Kataoka)	
40.	06.01.23	DHC/Dasu/WAPDA/GEN/myb/23-017	-Revised Security Arrangements for Travelling of DHC Expatriates (Mr.John Allen Gordon & Mr.Masud Karim)	
41.	06.01.23	DHC/Dasu/WAPDA/GEN/myb/23-018	Revised Security Arrangements for Travelling of DHC Expatriates (Mr.Neil Steven White & Mr.Toshimitsu Tanaka)	
42.	06.01.23	DHC/Dasu/WAPDA/GEN/myb/23-019	Revised Security Arrangements for Travelling of DHC Expatriates (Mr.Takuji Kataoka & Mr.Toshmitsu Tanaka)	
43.	06.01.23	DHC/Dasu/WAPDA/GEN/you/23-020	Security Arrangement for Travelling of CCECC Expatriate	

Sr. No	Date	Letter No.	Subject	Remarks
44.	06.01.23	DHC/Dasu/WAPDA/GEN/nk-you/23-021	Reply to FCCL letter Post Visit Report – Unethical Conduct of WAPDA Consultant ex Dasu HPP	
45.	06.01.23	DHC/Dasu/WAPDA/GEN/sad/23-022	GIS Verification of Land Parcels of Component ROR (Dogah End Pint to Gayal Nullah) Area-1	
46.	07.01.23	DHC/Dasu/WAPDA/GEN/sad/23-023	Security Arrangement for Travelling of CGICOP Expatriates	
47.	07.01.23	DHC/Dasu/WAPDA/GEN/you/23-024	Security Arrangements for Travelling of CGGC Expatriates	
48.	07.01.23	DHC/Dasu/WAPDA/GEN/you/23-025	Security Arrangements for Travelling of CCECC Expatriates	
49.	07.01.23	DHC/Dasu/WAPDA/GEN/you/23-026	Security Arrangements for Travelling of CGGC Expatriates	
50.	08.01.23	DHC/Dasu/WAPDA/GEN/zic/23-027	Submission of Utilization Record of coarse and Fine Aggregates till October 2022	
51.	09.01.23	DHC/Dasu/WAPDA/GEN/sad/23-028	GIS Verification of Land –Parcels of Component ''LOR Shatial Nullah to End Point of Reservoir Area-4"	
52.	09.01.23	DHC/Dasu/WAPDA/GEN/you/23-029	Security Arrangement for Travelling of CCECC Expatriates Special Case	
53.	09.01.23	DHC/Dasu/WAPDA/GEN/you/23-030	Security Arrangement for Travelling of CGGCC Expatriates	
54.	09.01.23	DHC/Dasu/WAPDA/GEN/sad/23-031	Request for Review of GIS Report of the Component LOR Shatial Nullah to Reservoir End Point Area-01	
55.	09.01.23	DHC/Dasu/WAPDA/GEN/sad/23-032	GIS Verification of Land Parcels of Component LoR Shatial Nullah to Reservoir End Point Area-5	
56.	09.01.23	DHC/Dasu/WAPDA/GEN/nhs/23-033	Payment of Project Allowance to 138 AHHs of Various Villages	
57.	09.01.23	DHC/Dasu/WAPDA/GEN/nhs/23-034	Payment of Project Allowance to 38 AHHs of Various Villages	
58.	10.01.23	DHC/Dasu/WAPDA/GEN/sad/23-035	GIS. Verification of Land Parcels of Component LoR Shatial Limits to Shatial Nullah Area-2"	
59.	10.01.23	DHC/Dasu/WAPDA/GEN/you/23-036	Security Arrangement for Travelling of CGGCC Expatriates	
60.	11.01.23	DHC/Dasu/WAPDA/GEN/you/23-037	Security Arrangement for Travelling of CCECC Expatriates	
61.	11.01.23	DHC/Dasu/WAPDA/GEN/sad/23-038	Request for Review of Gis Report	
62.	11.01.23	DHC/Dasu/WAPDA/GEN/sad/23-039	GIS Verification of Land Parcels of Component LoR Shatial Nullah to Reservoir End Point Area-6	
63.	11.01.23	DHC/Dasu/WAPDA/GEN/you/23-040	Security Arrangement for Travelling of CCECC Expatriates	
64.	11.01.23	DHC/Dasu/WAPDA/GEN/sad/23-041	Provision of Funds for disbursement of Compensation for Forest/Non Fruit trees in Respect of the Component viz Shatiyal to Harban End Reservoir Area (file-04)"	
65.	11.01.23	DHC/Dasu/WAPDA/GEN/sad/23-042	Provision of Funds for Disbursement of Compensation for Frest - Non Fruit Trees in Respect of the Component Viz Shatiyal Limit to Shatiyal Nullah (File -V) .	
66.	11.01.23	DHC/Dasu/WAPDA/GEN/sad/23-043	Provision of Funds for Disbursement of Compensation for Forest -Non Fruit Trees in Respect of the Component Viz Shatiyal Limit to Shatiyal Nullah (File -111)	
67.	11.01.23	DHC/Dasu/WAPDA/GEN/myb/23-044	Revised Security Arrangements for Travelling of DHC Expatriates (Cem Aker)	
68.	11.01.23	DHC/Dasu/WAPDA/GEN/you/23-045	Geo Tagging/Coordinates of all Foreigners Residential Camps/ Work Sites/Plazas	
69.	12.01.23	DHC/Dasu/WAPDA/GEN/sad/23-046	Provision of Funds for Disbursement of Compensation Non Fruit Plants in Respect of the Component VIZ Shatiyal to Harban End Reservoir Area (file-1)"	
70.	12.01.23	DHC/Dasu/WAPDA/GEN/sad/23-047	Provision of funds for Disbursement of Compensation for Fruit Plants in Respect of the Component viz Shatiyal to Harban End Reservoir Area (File-II)	
71.	12.01.23	DHC/Dasu/WAPDA/GEN/you/23-048	Security Arrangement for Travelling of CGICOP Expatriates	
72.	12.01.23	DHC/Dasu/WAPDA/GEN/myb/23-049	Security Arrangements for travelling of DHC Expatriate	
73.	12.01.23	DHC/Dasu/WAPDA/GEN/myb/23-050	Security Arrangements for travelling of DHC Expatriate (Mr.Masaaki Otake)	
74.	12.01.23	DHC/Dasu/WAPDA/GEN/myb/23-051	Security Arrangements for travelling of DHC Expatriates (Hulusi Haluk & Juan Carlos)	
75.	12.01.23	DHC/Dasu/WAPDA/GEN/myb/23-052	Security Arrangements for travelling of DHC Expatriate (Mr.Suda Kazuo)	
76.	12.01.23	DHC/Dasu/WAPDA/GEN/sad/23-053	GIS Verification of the Component LOR (Shatiyal Limits to Shatiyal Nullah Area-1) (155K-10M-01S)	
77.	13.01.23	DHC/Dasu/WAPDA/GEN/you/23-054	Bullet Proof Vehicles for Foreigners	
78.	12.01.23	DHC/Dasu/WAPDA/GEN/nhs/23-055	Revised Submission of 125 TRP Files of AHHs Who Opted Resettlement Sites	
79.	12.01.23	DHC/Dasu/WAPDA/GEN/sad/23-056	Survey of the Additional land for Sewerage System at WAPDA Colony at Chuchang of (02k-01m-os).	
80.	13.01.23	DHC/Dasu/WAPDA/GEN/sad/23-057	GIS Verification of Land Parcels of Component " LOR Shatiyal Nullah to Reservoir End Point, Area1 "	
81.	13.01.23	DHC/Dasu/WAPDA/GEN/sad/23-058	GIS Verification of Land Parcels of Component "LOR Shatiyal Nullah to Reservoir End Point.Area-5"	
82.	13.01.23	DHC/Dasu/WAPDA/GEN/sad/23-059	Assessment Report of Fruit Plants In Respect of Dogah End Point To Gayal Nullah (File-1)	
83.	13.01.23	DHC/Dasu/WAPDA/GEN/myb/23-060	Revised Security Arrangements for travelling of DHC Expatriate as a Special Case	
84.	13.01.23	DHC/Dasu/WAPDA/GEN/myb/23-061	Revised Security Arrangements for travelling of DHC Expatriate as a Special Case	
85.	13.01.23	DHC/Dasu/WAPDA/GEN/you/23-062	MPR No.101 for the Month of December 2022 under Assignment-B	
86.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-063	Provision of Funds for Disbursement of Compensation for Forest/Non Fruit Trees in Respect of the Component viz Shatiyal Nullah to Harban Reservoir End Point (File-3)"	
87.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-064	Provision of Funds for Disbursement of Compensation for Forest/Non Fruit Trees in Respect of the Component viz Shatiyal Nullah to Harban Reservoir End Point (File-4)"	
88.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-065	Provision of Funds for Disbursement of Compensation for Forest/ Non Fruit Trees in Respect of the Component viz Dogah end point to gayal nullah (file-i)"	
89.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-066	Provision of Funds for Disbursement of Compensation for Forest/ Non Fruit Trees in Respect of the Component viz Shatial Nullah to Harban Reservoir End Point (File-1)"	
90.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-067	Provision of Funds for Disbursement of Compensation for Forest/ Non Fruit Trees in Respect of the Component viz "Shatiyal Nullah to Harban Reservojrend Point (File-2)	

Sr. No	Date	Letter No.	Subject	Remarks
91.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-068	Provision of Funds for Disbursement of Compensation for Fruit Plants in Respect of the Component viz "shatiyal limit Toshatiyal Nullah (file-5}	
92.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-069	Provision of Funds for Disbursement of Compensation for Forest/ Non Fruit Trees in Respect of the Component viz Bailey Bridge Gumoon/ Looter (Area-ii)"	
93.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-070	Provision of Funds for Disbursement of Compensation for Forest/Non Fruit Trees in . Respect of the Component viz "shatiyal Nullah to Harban Reservoir End Point (File-5)	
94.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-071	Provision of Funds for Disbursement of Compensation for Fruit Plants in Respect of the Component viz Shatiyal Nullah to Harban Reservoir End Point (File-1)	
95.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-072	Provision of Funds for Disbursement of Compensation for Fruit Plants in Respect of the Component viz shatiyal Nullah to Harban Reservoir End Point (Flle-3)	
96.	14.01.23	DHC/Dasu/WAPDA/GEN/you/23-073	Bullet Proof Vehicles for Foreigners	
97.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-074	Provision of Funds for Disbursement of Compensation for Built-up Property in Respect of the Component viz Bailey Bridge Gumoon Looter Right Side Area-2	
98.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-075	Tentative Cost Estimate of Land In Respect of ''Bailey Bridge Gumoonlooter Right Side Area-2	
99.	14.01.23	DHC/Dasu/WAPDA/GEN/amr/23-076	Field Verification and Preparation of Files of the AHHS Falling in Additional Land Kaigah to Awai Area-2 part A (i)	
100.	14.01.23	DHC/Dasu/WAPDA/GEN/amr/23-077	Field Verification and Preparation of Files of the AHHS Falling in Additional KKH-02 Additional land kaigah to Awai Area-1 Part-A (i)	
101.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-078	Assessment Report of Built-up Property in Respect of the Component viz Shatiyal Limits to Shatiyal Nullah Area-3 (Part-A)	
102.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-079	Provision of Funds for Disbursement of Compensation For Built-Up Property In Respect of the Component Viz Shatiyal Limits To Shatiyal Nullah Area-4	
103.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-080	Assessment Report of Built-up Property in Respect of the Component viz Shatiyal Limits to Shatiyal Nullah Area-3 (Part-A)	
104.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-081	Tentative Cost Estimate for Land in Respect of LOR Shatial Nullah to Reservoir End Point Area-3	
105.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-082	Assessment Report of Built up Property in Respect of Shatial Nullah to ''Harban Reservoir end Point Area'-6	
106.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-083	Tentative Cost Estimate for Land in Respect of Shatial Limits to Shatial Nullah Area-5	
107.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-084	Tentative Cost Estimate for Land in Respect of Shatial Limits to Shatial Nullah Area-4 ''	
108.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-085	Tentative Cost Estimate for Land in Respect of Shatial Limits to Shatial Nullah Area-3	
109.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-086	GIS Verification of Land Parcels of Component LOR Shatiyal Nullah to Reservoir EndPoint, Area-6	
110.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-087	GIS Verification of Land Parcels of Component LOR Shatiyal Limits to Shatiyal Nullah, Area,-2	
111.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-088	Tentative Cost Estimate of Land in Respect of Shatiyal Nullah to Reservoir End Point Area-2	
112.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-089	Tentative Cost Estimate of Land in Respect of Shatiyal Nullah to End Point of Reservoir Area-1	
113.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-090	Assessment Report of Fruit Trees in Respect of ''LOR Shatiail Nullah to Harban Reservoir End Point (File-6)	
114.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-091	Assessment Report of Forest I Wild Fruit Trees in Respect of LOR Shatial Nullah to Harban Reservoir End Point (File-6)	
115.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-092	Assessment Report of Built up Property in Respect of Shatial Limits to Shatial Nullah (Area-2)	
116.	14.01.23	DHC/Dasu/WAPDA/GEN/amr/23-093	List of Missing Cost Estimates for Verification and Funds Transfer	
117.	14.01.23	DHC/Dasu/WAPDA/GEN/amr/23-094	Field Verification and Preparation of Files of the AHHS Falling in KKH-02 Shukrit Nullah to Shuri Nullah	
118.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-095	GIS Verification of Land Parcels of Component "LOR Shatial Nullah to Reservoir End Point Area-3"	
119.	14.01.23	DHC/Dasu/WAPDA/GEN/sad/23-096	GIS Verification of Land Parcels of Component LOR Shatial Limits to Shatial Nullah Area-01	
120.	16.01.23	DHC/Dasu/WAPDA/GEN/you/23-097	Security Arrangement for Travelling of CCECC Expatriates	
121.	16.01.23	DHC/Dasu/WAPDA/GEN/myb/23-098	Security Arrangements for travelling of DHC Expatriate (Mr Ali Murat)	
122.	16.01.23	DHC/Dasu/WAPDA/GEN/you/23-099	Security Arrangement for Travelling of CGGC Expatriates	
123.	16.01.23	DHC/Dasu/WAPDA/GEN/mmkk/23-100	Training on Dam Construction Safety	
124.	17.01.23	DHC/Dasu/WAPDA/GEN/sad/23-101	Tentative Cost Estimate of Additional Funds for Land in Respect of "bailey Bridge Gumoon Looter (Right Side) Area"1 ''	
125.	17.01.23	DHC/Dasu/WAPDA/GEN/sad/23-102	Additional Funds for Land in Respect of Dogah End Point to Gayal Area-1 ''	
126.	17.01.23	DHC/Dasu/WAPDA/GEN/sad/23-103	Provision of Additional funds for Disbursement of Compensation· for Built-up Property in Respect of Component ''Gul-I-bagh Reservoir Area-1"	
127.	17.01.23	DHC/Dasu/WAPDA/GEN/myb/23-104	Security Arrangements for travelling of DHC Expatriate for Medical Emergency as a Special Case (Mr. Hiroshi Ogawa)	
128.	17.01.23	DHC/Dasu/WAPDA/GEN/myb/23-105	Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Masud Karim)	
129.	17.01.23	DHC/Dasu/WAPDA/GEN/myb/23-106	Security Arrangements for travelling of DHC Expatriates (Mr. Hiroshi Ogawa, Mr.Serkan)	
130.	17.01.23	DHC/Dasu/WAPDA/GEN/sad/23-107	Assessment Report of Built-up Property in Respect of the Component viz Lor Shatiyal Nullah to Reservoir End Point Area-1	
131.	17.01.23	DHC/Dasu/WAPDA/GEN/you/23-108	Security Arrangement for Travelling of CCECC Expatriates	
132.	17.01.23	DHC/Dasu/WAPDA/GEN/you/23-109	Assessment Report of Built-up Property in Respect of Viz"lor Shatiyal Limits to Shatiyal Nullah, Area-5"	
133.	17.01.23	DHC/Dasu/WAPDA/GEN/nk/23-110	Request Approval of Mr. Erkan BOZKURT Position of K-54 Construction Tunnel Advisor 1-2 (Tunnels, Mainworks)	
134.	18.01.23	DHC/Dasu/WAPDA/GEN/myb/23-111	Security Arrangements for travelling of DHC Expatriates (Mr. Satoshi Okamoto & Otani Takashi)	

Appendix E [14/20]

Sr. No	Date	Letter No.	Subject	Remarks
135.	18.01.23	DHC/Dasu/WAPDA/GEN/myb/23-112	Security Arrangements for travelling of DHC Expatriates (Mr.Naim Karaman, Okan Alper)	
136.	16.01.23	DHC/Dasu/WAPDA/GEN/tm/23-113	Request for Approval Mr. Michiya NAGURA as Traffic Expert (KNP-26)	
137.	18.01.23	DHC/Dasu/WAPDA/GEN/tm/23-114	Security Arrangement for Travelling of PCCC Expatriates	
138.	18.01.23	DHC/Dasu/WAPDA/GEN/tm/23-115	Security Arrangement for Travelling of PCCC Expatriates	
139.	19.01.23	DHC/Dasu/WAPDA/GEN/sad/23-116	Provision, of Funds for Disbursement of Compensation for Forest Wild Fruit Trees in respect of '' shatial Limits to Shatial Nullah (File-1)"	
140.	19.01.23	DHC/Dasu/WAPDA/GEN/nhs/23-117	Clarification of Structure Category & Revenue Record	
141.	20.01.23	DHC/Dasu/WAPDA/GEN/sad/23-118	Provision of funds for Disbursement of Compensation for Built-up Property in Respect of the Component viz" Shatiyal Nullah to Reservoir End Point, Area~2"	
142.	20.01.23	DHC/Dasu/WAPDA/GEN/sad/23-119	GIS Reports of 12 Components along with Maps.	
143.	20.01.23	DHC/Dasu/WAPDA/GEN/you/23-120	Request for Reservation of Meeting with Deputy Commissioner Upper Kohistan	
144.	21.01.23	DHC/Dasu/WAPDA/GEN/sad/23-121	Application	
145.	21.01.23	DHC/Dasu/WAPDA/GEN/you/23-122	Security Arrangement for Travelling of CGGC Expatriates	
146.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-123	Provision of Funds for Disbursement of Compensation for Land in Respect of Lor Shatiyal Limits to Shatiyal Nullah Area-1	
147.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-124	Provision of Funds For Disbursement of Compensation for Land In Respect of LOR Shatiyal Nullah to Reservoir End Point Area-3	
148.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-125	Request for Review of GIS Report	
149.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-126	Request for Review of GIS Report	
150.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-127	Request for Review of GIS Report	
151.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-128	Request for Review of GIS Report	
152.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-129	Request for Review of GIS Report	
153.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-130	Request for Review of GIS Report	
154.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-131	Application	
155.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-132	Request for Review of GIS Report	
156.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-133	Request for Review of GIS Report	
157.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-134	Request for Review of GIS Report	
158.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-135	Request for Review of GIS Report	
159.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-136	Request for Review of GIS Report	
160.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-137	Provision of Funds for Disbursement of Compensation for Built-up Property in Respect of Dogah End Point to Gayal	
161.	23.01.23	DHC/Dasu/WAPDA/GEN/sad/23-138	Request for Review of GIS Report	
162.	23.01.23	DHC/Dasu/WAPDA/GEN/you/23-139	Bullet Proof Vehicles for Foreigners	
163.	24.01.23	DHC/Dasu/WAPDA/GEN/you/23-140	Application Regarding Temporary Relocation Package (TRP)	
164.	24.01.23	DHC/Dasu/WAPDA/GEN/sad/23-141	Provision of Additional Funds for Disbursement of Compensation for Forest non Fruit Trees viz Shatiyal Nullah to Harban Reservoir end Point (file-3)	
165.	24.01.23	DHC/Dasu/WAPDA/GEN/amr/23-142	Non-Payment Issue in Land Acquisition of Dasu Hydropower Project	
166.	24.01.23	DHC/Dasu/WAPDA/GEN/amr/23-143	Correction of Record for ESMR Package I Chola Package	
167.	25.01.23	DHC/Dasu/WAPDA/GEN/myb/23-144	Security Arrangements for travelling of DHC Expatriates (Mr. Shoma Yoshida & Tomoaki Kitamura)	
168.	25.01.23	DHC/Dasu/WAPDA/GEN/myb/23-145	Security Arrangements for travelling of DHC Expatriates (Mr. Satoshi Okamoto & Suda Kazuo)	
169.	25.01.23	DHC/Dasu/WAPDA/GEN/myb/23-146	Security Arrangements for travelling of DHC Expatriates (Mr. Otani Takashi & Burhan ARIOZ)	
170.	25.01.23	DHC/Dasu/WAPDA/GEN/sad/23-147	Provision of Funds for Disbursement of Compensation for Land in Respect of "LOR Shatiyal Nullah to Reservoir End Point Area-6"	
171.	25.01.23	DHC/Dasu/WAPDA/GEN/sad/23-148	Provision of Funds for Disbursement of Compensation for Land in Respect of LOR Shatiyal Limits to Shatiyal Nullah Area-2	
172.	25.01.23	DHC/Dasu/WAPDA/GEN/sad/23-149	Provision of Funds for Disbursement of Compensation for Land in Respect of LOR Shatiyal Nullah to Reservoir End Point Area-5	
173.	25.01.23	DHC/Dasu/WAPDA/GEN/you/23-150	Security Arrangement for Travelling of CGGC Expatriates	
174.	25.01.23	DHC/Dasu/WAPDA/GEN/sad/23-151	Request for Review of GIS Report.	
175.	25.01.23	DHC/Dasu/WAPDA/GEN/sad/23-152	Provision of funds. for disbursement of Compensation for built-up Property in Respect of the. Component viz shatiyal Nullah to Reservoir End Point Area·4	
176.	26.01.23	DHC/Dasu/WAPDA/GEN/sad/23-153	Provision of Funds for Disbursement of Compensation for Fruit Plants in Respect of the Component viz Shatiyal Limits to Shatiyal Nullah (File-1)"	
177.	26.01.23	DHC/Dasu/WAPDA/GEN/myb/23-154	Security Arrangements for travelling of DHC Expatriate (Mr. Duc)	
178.	26.01.23	DHC/Dasu/WAPDA/GEN/sad/23-155	Assessment Report of Built-up Property in Respect of the Component viz" Lor Shatiyal Nullah to Reservoir End Point Area-3	
179.	26.01.23	DHC/Dasu/WAPDA/GEN/myb/23-156	Revised Security Arrangements for travelling of DHC Expatriates	
180.	27.01.23	DHC/Dasu/WAPDA/GEN/myb/23-157	Revised Security Arrangements for Travelling of DHC Expatriates	
181.	28.01.23	DHC/Dasu/WAPDA/GEN/you/23-158	Security Arrangement for Travelling of CCECC Expatriates Special Case	
182.	28.01.23	DHC/Dasu/WAPDA/GEN/you/23-159	Security Arrangement for Travelling of CGGC Expatriates	
183.	29.01.23	DHC/Dasu/WAPDA/GEN/you/23-160	Security Arrangement for Travelling of CGGC Expatriates	
184.	30.01.23	DHC/Dasu/WAPDA/GEN/you/23-161	Security Arrangement for Travelling of CGICOP Expatriates	
185.	29.01.23	DHC/Dasu/WAPDA/GEN/amr/23-162	Pakistan Citizen Portal	
186.	30.01.23	DHC/Dasu/WAPDA/GEN/myb/23-163	Security Arrangements for travelling of DHC Expatriate (Mr. Neil Napoleon)	
187.	30.01.23	DHC/Dasu/WAPDA/GEN/myb/23-164	Security Arrangements for travelling of DHC Expatriate (Mr. John Allen Gordon)	
188.	30.01.23	DHC/Dasu/WAPDA/GEN/sad/23-165	Provision of Funds for Disbursement of Compensation for Built-up Property in Respect of the Company VIZ Shatiyal Limits to Shatiyal Nullah Area-1	

Sr. No	Date	Letter No.	Subject	Remarks
189.	31.01.23	DHC/Dasu/WAPDA/GEN/myb/23-166	Revised Security Arrangements for travelling of DHC Expatriates (Mr. Hulusi Haluk & Gordon)	
190.	31.01.23	DHC/Dasu/WAPDA/GEN/sad/23-167	Revised Assessment Report of Built Up Property of the Component Shtiyal Limits to Shatiyal Nullah Area-1	
1.2.	**Dasu-RAR-01**			
191.	10.01.23	DHC/Dasu/WAPDA/RAR-01/nak/23-002	Unavailability of DHC Staff of RAR-01 at Dasu	
192.	14.01.23	DHC/Dasu/WAPDA/RAR-01/cad/23-004	Interim Claim under Disruption and Delayed Handing-over of Land Possession RAR-01(C-1 C-4)	
193.	26.01.23	DHC/Dasu/WAPDA/RAR-01/bak/23-008	Interference Activities by Local Contractors at Different Location of RAR-01	
194.	27.01.23	DHC/Dasu/WAPDA/RAR-01/Cad/23-009	Interim Payment Certificate No# 34A Cost on Claims	
1.3.	**Dasu-RAR-02**			
Dasu office				
195.	01.01.23	DHC/Dasu/WAPDA/RAR-02/cad/23-001	Engineers Response on Stoppage of Works Due to Blast Incident on 14th July 2021.RAR-02	
196.	13.01.23	DHC/Dasu/WAPDA/RAR-02/cad/23-008	Extension of Advance Payment Guarantee	
197.	23.01.23	DHC/Dasu/WAPDA/RAR-02/cad/23-014	Engineer's Response on Stoppage of Works due to Blast Incident on July 14,2021	
198.	28.01.23	DHC/Dasu/WAPDA/RAR-02/cad/23-015	Request for Provision of Bitumen Rate from Attock Petroleum for Price Adjustment	
1.4.	**Dasu-KKH-01**			
Dasu office				
199.	01.01.23	DHC/Dasu/WAPDA/KKH-01/zic/23-006	Request for Issuance of Recommendation Letter for Fuel Storage License (form-ll rules 115 Article 5 Petroleum Rules 1937-CCECC	
200.	14.01.23	DHC/Dasu/WAPDA/KKH-01/hh/23-014	Sample Delivery Schedule of Project Material to the 3rd party Laboratories, (KKH-01)	
201.	26.01.23	DHC/Dasu/WAPDA/KKH-01/cad/23-022	Interim Payment Certificate No # 29	
202.	27.01.23	DHC/Dasu/WAPDA/KKH-02/cad/23-024	Adjustment of Khybe Pakhtunkhwa Sales Tax (KPST) from the Contract Price	
1.5.	**Dasu-KKH-02**			
Dasu office				
203.	01.01.23	DHC/Dasu/WAPDA/KKH-02/zic/23-005	Revised Design for KKH-02	
204.	23.01.23	DHC/Dasu/WAPDA/KKH-02/cad/23-011	Interim Payment Certificate No# 04	
205.	28.01.23	DHC/Dasu/WAPDA/KKH-02/cad/23-017	Request for Provision of Bitumen Rate from Attock Petroleum for Price Adjustment	
206.	29.01.23	DHC/Dasu/WAPDA/KKH-02/OKK/23-018	Minutes of Meeting held on 18th January, 2023.	
1.6.	**Dasu-TL-01**			
Dasu office				
207.	01.01.23	DHC/Dasu/WAPDA./TL-01/mrz/23-001	Call for Visual Inspection of Power Transformer at Ghazi Barotha.TL-01	
208.	06.01.23	DHC/Dasu/WAPDA./TL-01/PM/23-005	The Project Managers Assessment on Price Adjustment for Market Inflation for the Extended Period.TL-01	
209.	11.01.23	DHC/Dasu/WAPDA./TL-01cad/23-006	Interim Payment Certificate no. IPC No. 65	
210.	11.01.23	DHC/Dasu/WAPDA./TL-01cad/23-007	Response to Employer's Letter Concerning Undue Benefit to Contractor through Issuance of Change Order- Rs. 46.660 Million	
211.	14.01.23	DHC/Dasu/WAPDA./TL-01cad/23-008	Mechanism for Recovery of Outstanding Advance Payment (Foreign Component)	
212.	17.01.23	DHC/Dasu/WAPDA./TL-01cad/23-009	Interim Payment Certificate No. IPC No. 66	
213.	25.01.23	DHC/Dasu/WAPDA./TL-01mrz/23-010	Replacement of Silica Gel for Power Transformer Stored at Ghazi Barotha Complex	
214.	31.01.23	DHC/Dasu/WAPDA./TL-01/cad/23-013	Justification in Respect of Exceeded BOQ Quantities	
1.7.	**DASU-MW-01**			
	Dasu Office			
215.	01.01.23	DHC/Dasu/WAPDA/MW-01/CAD/23-001	Engineers Response on Stoppage of Works Due to Blast Incident on 14th July 2021.MW-01	
216.	04.01.22	DHC/Dasu/WAPDA/MW-01/shj/23-003	Interim Payment No # 33 for Sep-Oct-2022 Contractor IPA # 33 & 34.MW-01	
217.	05.01.23	DHC/Dasu/WAPDA/PCI-01R/infra/23-004	Interim Payment Certificate No.38.PCI-01R	
218.	09.01.23	DHC/Dasu/WAPDA/PCI-01R/JF/23-021	Request Your Consent in Issuance of the Variation Order for Adjusted River Diversion Scheme	
219.	09.01.23	DHC/Dasu/WAPDA/MW-01/cad/23-024	Contractor's Request for Urgent Assistance for Obtaining NOC for Three (03 Nos.) Passenger Buses with Special Explosion Proof Facilities	
220.	12.01.23	DHC/Dasu/WAPDA/MW-01/cad/23-042	Extension of the Insurance Policies due to the Extension of time	
221.	16.01.23	DHC/Dasu/WAPDA/MW-01/cad/23-051	Acceleration Award against Key Milestone of River Closure	
222.	16.01.23	DHC/Dasu/WAPDA/MW-01/pm/23-055	Referral No. 02 -Additional Payment due to Crushing and Batching Plant	
223.	20.01.23	DHC/Dasu/WAPDA/MW-01/nk/23-064	Schedule for Factory Visiting, Sampling, Sample Delivery and Third Party Laboratory Testing of Fauii LAC Cement and Natural Pozzolan MW-01	
224.	20.01.23	DHC/Dasu/WAPDA/MW-01/JF/23-067	Comments on Construction of Causeway at Uchar Nullah KM 303 (N-35) Proposed by NHA	
225.	23.01.23	DHC/Dasu/WAPDA/MW-01/cad/23-071	Engineer's Response on Stoppage of Works due to Blast Incident on July 14,2021	
226.	27.01.23	DHC/Dasu/WAPDA/MW-01/mrz/23-086	Shifting of Generators from Neelum Jehlum Hydropower	
1.8	**Dasu-MW-02**			
	Dasu Office			
227.	01.01.23	DHC/Dasu/WAPDA/MW-02/CAD/23-001	Engineers Response on Stoppage of Works Due to Blast Incident on 14th July 2021.MW-02	
228.	05.01.23	DHC/Dasu/WAPDA/MW-02/shj/23-003	Interim Payment Certificate No # 33- For Sep-Oct-2022 (Contractors IPA # 33 & 34).MW-02	
229.	05.01.23	DHC/Dasu/WAPDA/MW-02/shj/23-004	Justification for Issuance of Interim Payment Certificate No # 33	
230.	20.01.23	DHC/Dasu/WAPDA/MW-02/you/23-022	Visa Invitation Letter	
231.	21.01.23	DHC/Dasu/WAPDA/MW-02/cad/23-024	LNG Tanker Overturn - Engineer's Determination with-Holding Taxes on the 'Cost' Pertaining to any Claim	
232.	23.01.23	DHC/Dasu/WAPDA/MW-02/cad/23-026	Engineer's Response on Stoppage of Works due to Blast Incident on July 14,2021	

Sr. No	Date	Letter No.	Subject	Remarks
1.9 Dasu LBRV-11				
Dasu Office				
233.	11.01.23	DHC/Dasu/WAPDA/LBRV-11/cad/23-001	Khyber Pakhtunkhwa Provisional Sales Tax on Services Adjustment for Change in Legislation	
234.	11.01.23	DHC/Dasu/WAPDA/LBRV-11/infra/23-004	Water Spring Source below the Resettlement Site Khoshe-2 Link-1	
1.10 Dasu-LBRV-12				
Dasu office				
235.	19.01.23	DHC/Dasu/WAPDA/LBRV-12/cad/23-001	Khyber Pakhtunkhwa Provisional Sales Tax on Services Adjustment for Change in Legislation LBRV-12	
1.12 Dasu-PCI-01R				
Dasu office				
236.	03.01.23	DHC/Dasu/WAPDA/PCI-01R/mfn/23-002	Comments on Bidding Documents	
237.	11.01.23	DHC/Dasu/WAPDA/PCI-01Rcad/23-011	Khyber Pakhtunkhwa Provisional Sales Tax on Services-Adjustment for Change in Legislation	
238.	31.01.23	DHC/Dasu/WAPDA/PCI-01R/infra/23-029	Progress Review minutes of meeting held dated 27th January 2023	
1.13 Dasu PCI-02				
Dasu office				
239.	27.01.23	DHC/Dasu/WAPDA/PCI-02/infra/23-001	Thermal Insulation Works for Hospital & Rest House Buildings and Underground Power Distribution	
240.	30.01.23	DHC/Dasu/WAPDA/PCI-02/cad/23-002	Evaluation of Pre-Qualification Applications - Clarification No. 01	
1.14 Dasu EM-01				
Dasu Office				
241.	09.01.23	DHC/Dasu/WAPDA/EM-01/cad/23-001	Submission of Cargo-Transit Insurance Documents for First and Second Batch of Equipment	
242.	08.01.23	DHC/Dasu/WAPDA/EM-01/you/23-003	Handing Taking Over of 3 No. Pickup (Toyota Hilux Revo)	
243.	09.01.23	DHC/Dasu/WAPDA/EM-01/you/23-005	HandingTaking Over of 6 No. Pickup (Toyota Revo)	
244.	09.01.23	DHC/Dasu/WAPDA/EM-01/cad/23-007	Follow Up for Interim Payment Certificate (IPC) No. 02	
245.	13.01.23	DHC/Dasu/WAPDA/EM-01/cad/23-011	Request for Generation of Financial Instrument (FI) Number for the 1st Shipment by the Employer's Bank	
246.	23.01.23	DHC/Dasu/WAPDA/EM-01/YS/23-022	Security System- Plan for EM - 01 Site Camp at Kass	
247.	23.01.23	DHC/Dasu/WAPDA/EM-01/YS/23-023	Request of Coordination with NTDC regarding Relay Protection System Single Line Diagram for 765kV TL	
248.	25.01.23	DHC/Dasu/WAPDA/EM-01/Sn/23-026	Reminding of Basic Deign Parameters for 765kV Equipment	
1.14 Dasu RV				
Dasu Office				
249.	11.01.23	DHC/Dasu/WAPDA/RV/cad/23-003	Appointment of Adjudicator –Draft Adjudicator Agreement	
250.	20.01.23	DHC/Dasu/WAPDA/RV/infra/23-005	Request For Omission of Remaining Works of Archeological Site Shatial (Rock Carving Museum)	
251.	21.01.23	DHC/Dasu/WAPDA/RV/cad/23-007	Interim Payment Certificate No. 13	
1.16 Dasu-LADP				
Dasu Office				
252.	13.01.23	DHC/Dasu/WAPDA/LADP/njm/23-001	Monthly Progress Report No. 45 for the Month of December, 2022	
2.15 Dasu LADP-MI-1				
Dasu Office				
253.	01.01.23	DHC/Dasu/WAPDA/MI-1/mfn/23-001	LADP-RHC-Observations on IPC NO.7	
2. To Contractors				
2.1 RAR-01				
Dasu Office				
1.	05.01.23	DHC/Dasu/CCECC/RAR-01/nak/23-001	Stoppage of Subgrade Activites by Local People at Komila Bypass K1+718.75.RAR-01	
2.	14.01.23	DHC/Dasu/CCECC/RAR-01/cad/23-003	Interim Claim under Disruption and Delayed Handing-over of Land Possession RAR-01(C-1 C-4)	
3.	17.01.23	DHC/Dasu/CCECC/RAR-01/PLS/23-005	Submission of Final Extension of Time (EoT) for RAR-01 Contract	
4.	18.01.23	DHC/Dasu/CCECC/RAR-01/bak/23-006	Outstanding Works (Punch List Items RAR-01).	
5.	19.01.23	DHC/Dasu/CCECC/RAR-01/bak/23-007	Occurrence of Landsliding at komila bypass from k0+400 to Ko+ 700- notice under clause 17 .4.	
6.	26.01.23	DHC/Dasu/CCECC/RAR-01/bak/23-011	Interference Activities by Local Contractor at Different Location of RAR-01	
2.2 RAR-02				
Dasu office				
7.	04.01.23	DHC/Dasu/CGGC/RAR-02/OKK/23-002	Backfilling Material at KM 13+300.RAR-02	
8.	05.01.23	DHC/Dasu/CGGC/RAR-02/OKK/23-003	Kandia KM 34+420 – 34+820 Work Hindrance.RAR-02	
9.	09.01.23	DHC/Dasu/CGGC/RAR-02/OKK/23-004	Approval of Steel Gabion Manufacturer ADVANCED Engineering Industries, (RAR-02)	
10.	11.01.23	DHC/Dasu/CGGC/RAR-02/OKK/23-005	Khyber Pakhtunkhwa Provisional Sales Tax on Services-Adjustment for Change in Legislation	
11.	12.01.23	DHC/Dasu/CGGC/RAR-02/cad/23-006	Notice to Correct Under Sub-Clause 15.1	
12.	12.01.23	DHC/Dasu/CGGC/RAR-02/zic/23-007	Comments on the Monthly Environmental Report of the Contractor CGGC for RAR-2	
13.	16.01.23	DHC/Dasu/CGGC/RAR-02/PLS/23-009	Submission of Contract Programme and Deployment of Resources on Site by the Contractor.	
14.	18.01.23	DHC/Dasu/CGGC/RAR-02/PLS/23-010	Construction of Security Post at the Entry Point of Kandia for Chinese Security	
15.	19.01.23	DHC/Dasu/CGGC/RAR-02/PM/23-011	Confirmation of Stoppage and Resumption of Works Due to lED Blast Incident	
16.	19.01.23	DHC/Dasu/CGGC/RAR-02/PM/23-012	Confirmation of stoppage of Works due to Mudslide Floods in Uchar Nullah	
17.	22.01.23	DHC/Dasu/CGGC/RAR-02/cad/23-013	Anomalies In the Contractor's Submission of the Interim Payment Application No.3 (IPA No.3)	

Sr. No	Date	Letter No.	Subject	Remarks
18.	30.01.23	DHC/Dasu/CGGC/RAR-02/cad/23-016	Contractor's Interim Claim on Account of Delayed Commissioning-Extension of Bank Guarantees	
19.	30.01.23	DHC/Dasu/CGGC/RAR-02/cad/23-017	Claim or Blast Incident - Request for Additional Particulars	
2.3 KKH-01				
Dasu Office				
20.	02.01.23	DHC/Dasu/CCECC/KKH-01/bth/23-001	Reply to Approval for 6mm Wire Mesh in Logro-A Tunnel (K9).KKH-01	
21.	03.01.23	DHC/Dasu/CCECC/KKH-01/bth/23-002	Installation of the Convergence Monitoring Points in Logro-A (K9) Tunnel.KKH-01	
22.	02.01.23	DHC/Dasu/CCECC/KKH-01/bth/23-003	Installation of the Convergence Monitoring Points in Dasu-02 (K4) Tunnel.KKH-01	
23.	06.01.23	DHC/Dasu/CCECC/KKH-01/bth/23-004	Reply to the Submission Method Statement of Logro-B (K11) Tunnel.KKH-01	
24.	05.01.23	DHC/Dasu/CCECC/KKH-01/OHS/23-005	OHS NCRs Closure.KKH-01	
25.	10.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-007	Non-compliances of Environment Contractual Requirements at k-9 Site of KKH-01	
26.	10.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-008	Engineer's comments on 7th Quarter Environmental Monitoring Schedule-kkh-01	
27.	10.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-009	Engineer reply on approval of laboratory and 7th Quarterly environmental monitoring plan of ccecc for kkh-01	
28.	11.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-010	Submission of Procedure –Plan for the Spoil Disposal and Transportation at Uchaar –KKH-01	
29.	12.01.23	DHC/Dasu/CCECC/KKH-01/you/23-011	Coordination Meeting on Aspects	
30.	12.01.23	DHC/Dasu/CCECC/KKH-01/bth/23-012	Reply to the Submission Method Statement of Dogah (K-23) Tunnel.KKH-01	
31.	13.01.23	DHC/Dasu/CCECC/KKH-01/DPM/23-013	Instruction to Conduct Restoration Work at Zaid Khar Nullah	
32.	17.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-015	Review of Construction Environmental Action Plan (CEAP) of KKH-01	
33.	19.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-016	Review of Monthly EHS Monitoring Report No. 84 for the Month of December 2022	
34.	19.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-017	Construction of Crusher Plant at Chuchang- KKH-01	
35.	20.01.23	DHC/Dasu/CCECC/KKH-01/hhc/23-018	Rock Bolts Pull out Tests and Grout Mix Design	
36.	24.01.23	DHC/Dasu/CCECC/KKH-01/you/23-019	Nomination of Security Officer by Contactors	
37.	23.01.23	DHC/Dasu/CCECC/KKH-01/hhc/23-020	Rectification of Fully Grouted Rock-bolt for Logro-A Tunnel (K9)	
38.	25.01.23	DHC/Dasu/CCECC/KKH-01/zic/23-021	Third Party Environment Monitoring by EPA KPK Approved Laboratory on KKH-01	
39.	27.01.23	DHC/Dasu/CCECC/KKH-01/hh/23-023	Approval of Beijing Oriental Yuhong Waterproof Technology Co. Ltd, (KKH-01)	
40.	28.01.23	DHC/Dasu/CCECC/KKH-01/bth/23-025	Repetitive Nonconforming Methodology- Rock Bolt Operations at K4 Tunnel	
41.	30.01.23	DHC/Dasu/CCECC/KKH-01/nak/23-026	Slope Protection for Temporary Facilities Fill Area at Loogro Tunnel A Inlet	
42.	31.01.23	DHC/Dasu/CCECC/KKH-01/PLS/23-027	Comments on Revised Baseline KKH-01 Contract	
2.4 Dasu-KKH-02				
43.	02.01.23	DHC/Dasu/CGGC/KKH-02/okk/23-001	Minutes of the Meeting for Clearance of Slopes and Disposal of Spoil Along Relocated KKH-02	
44.	03.01.23	DHC/Dasu/CGGC/KKH-02/okk/23-002	Resource Loaded Schedule.KKH-02	
45.	04.01.23	DHC/Dasu/CGGC/KKH-02/DPM/23-003	Request for Contents of the Geological Test for New Tunnels Design.KKH-02	
46.	06.01.23	DHC/Dasu/CGGC/KKH-02/OHS/23-004	Detailed Investigation Report Fatality Incident at K-33+510 .KKH-02 24th December 2022	
47.	12.01.23	DHC/Dasu/CGGC/KKH-02/OKK/23-006	Explosive Magazine for KKH-02 at Looter Location	
48.	16.01.23	DHC/Dasu/CGGC/KKH-02/OHS/23-007	Resumption of Work KKH-02 after Submission of Incident Corrective Action Plan and Response to the Level – 4 Fatal Incident at K-34	
49.	18.01.23	DHC/Dasu/CGGC/KKH-02/OKK/23-008	Submission of Revised Method Statement for Removal of Loose Material & Haulage of KKH-02	
50.	18.01.23	DHC/Dasu/CGGC/KKH-02/zic/23-009	Comments on KKH-02 Monthly Environment Progress Report December 2022	
51.	20.01.23	DHC/Dasu/CGGC/KKH-02/Okk/23-010	Reminder for Submission of V0-002 Proposal	
52.	25.01.23	DHC/Dasu/CGGC/KKH-02/hog/23-012	Response of the Suggested Survey Contents from the Contractor KKH02	
53.	25.01.23	DHC/Dasu/CGGC/KKH-02/hog/23-013	Resource loaded Schedule	
54.	27.01.23	DHC/Dasu/CGGC/KKH-02/DPM/23-014	Draft Variation Documents for VO-001	
55.	27.01.23	DHC/Dasu/CGGC/KKH-02/DPM/23-015	Reminder No.2 for Submission of VO-002 Proposal	
56.	27.01.23	DHC/Dasu/CGGC/KKH-02/DPM/23-016	Instruction to Commence Geological Investigation (V0-001)	
57.	29.01.23	DHC/Dasu/CGGC/KKH-02cad/23-019	Contractor's Interim Claim on Account of Delayed Commissioning-Extension of Bank Guarantees	
2.5 Dasu TL-01				
Dasu Office				
58.	05.01.23	DHC/Dasu/PCCC/TL-01/mrz/23-002	Slow Progress at Grid Station.TL-01	
59.	05.01.23	DHC/Dasu/PCCC/TL-01/mrz/23-003	Power Transformer at Ghazi Barotha Store.TL-01	
60.	05.01.23	DHC/Dasu/PCCC/TL-01/mrz/23-004	Submission of Revise Method Statement for Stringing.TL-01	
61.	19.01.23	DHC/Dasu/PCCC/TL-01/zic/23-010	Review of Monthly HSE Report No. 74 for the Month of December, 2022	
62.	24.01.23	DHC/Dasu/PCCC/TL-01/you/23-011	Nomination of Security Officer by Contactors TL-01	
2.6 Dasu MW-01				
Dasu Office				
63.	03.01.23	DHC/Dasu/CGGC/MW-01/dn/23-002	Drawings Issue for Construction Embankment at Diversion Tunnel B Inlet.MW-01	
64.	04.01.23	DHC/Dasu/CGGC/MW-01/PM/23-004	Extension of Insurance Due to the Extension of Time .MW-01	
65.	04.01.23	DHC/Dasu/CGGC/MW-01/PM/23-005	Bullet Point Minutes of Meeting on River Diversion Works.MW-01	
66.	04.01.23	DHC/Dasu/CGGC/MW-01/JF/23-006	Payment Issue Regarding Left Bank Traffic Diversion Niche Excavation and Supporting.MW-01	
67.	04.01.23	DHC/Dasu/CGGC/MW-01/JF/23-007	Acceptance Process for the Guide Frame of DT-A Repaired in SK (HSS).MW-01	
68.	04.01.23	DHC/Dasu/CGGC/MW-01/JF/23-008	Submission of Improve Method for Interference Between Side Steel Plate and Side Reinforcement on Diversion Tunnel B.MW-01	
69.	04.01.23	DHC/Dasu/CGGC/MW-01/AO/23-009	Procedue for Geological Inspection of Cut-Off Wall Excavation.MW-01	

Sr. No	Date	Letter No.	Subject	Remarks
70.	04.01.23	DHC/Dasu/CGGC/MW-01/You/23-010	Application of Mr. Saif Ur Rehman Ex-Loader Operator of CGGC	
71.	06.01.23	DHC/Dasu/CGGC/MW-01/You/23-011	Security Lapses – Hattian Kamra Camp.MW-01	
72.	06.01.23	DHC/Dasu/CGGC/MW-01/hn/23-012	Contractors Letter CGGC –MW-01-CD-DHC-2694	
73.	05.01.23	DHC/Dasu/CGGC/MW-01/AO/23-013	Commencement of Construction Works for Batching Plant No.2 # in Siglo Area.MW-01	
74.	05.01.23	DHC/Dasu/CGGC/MW-01/AO/23-014	Reminder 1 Survey of Kaigah Quarry MW-01	
75.	05.01.23	DHC/Dasu/CGGC/MW-01/dn/23-015	Drawing Issue for Construction Right Bank Diversion Tunnel.MW-01	
76.	05.01.23	DHC/Dasu/CGGC/MW-01/AO/23-016	Drawing Issue for Construction Diversion Tunnel-B- Outlet Surface Protection.MW-01	
77.	07.01.23	DHC/Dasu/CGGC/MW-01/CAD/23-017	Schedule Delay Analysis for Prolongation Claim-Reminder.MW-01	
78.	07.01.23	DHC/Dasu/CGGC/MW-01/PM/23-018	Overall Progress and Status of Procurement of Generators Accessories and Civil Works.MW-01	
79.	08.01.23	DHC/Dasu/CGGC/MW-01/cad/23-019	Additional Cost Claim due to Change in Legislation"- claim no.:MW-01/C-09	
80.	08.01.23	DHC/Dasu/CGGC/MW-01/cad/23-019	Additional Cost Claim due to Change in Legislation- Claim No.MW-01 C-09	
81.	08.01.23	DHC/Dasu/CGGC/MW-01/dn/23-020	Drawing Issue for Construction – Diversion Tunnel – Outlet Surface Protection	
82.	09.01.23	DHC/Dasu/CGGC/MW-01/nk/23-022	Approval of Steel Wire Manufacturer KB Steel Industries	
83.	09.01.23	DHC/Dasu/CGGC/MW-01/nk/23-023	Optional Requirements of ASTM 618 for Testing of Natural Pozzolans, (MW-01)	
84.	10.01.23	DHC/Dasu/CGGC/MW-01/jf/23-025	Cost Proposal of Upstream Starter Dam	
85.	10.01.23	DHC/Dasu/CGGC/MW-01/hur/23-026	Daywork Order for Cleaning of KKH Road at Outlet Portal of Left Bank Traffic Diversion Tunnel, MW-01	
86.	09.01.23	DHC/Dasu/CGGC/MW-01/zic/23-027	Engineer's Reply on Submission of Required Documents for Third Party Environmental Monitoring Laboratory	
87.	09.01.23	DHC/Dasu/CGGC/MW-01/hur/23-028	Slow progress of Work at Security Buildings for Security Personnel at KASS Camp	
88.	09.01.23	DHC/Dasu/CGGC/MW-01/hur/23-029	Construction of Watch Towers Sentry Posts at KASS camp and Crushing Plant at Uchar Site- MW-01	
89.	10.01.23	DHC/Dasu/CGGC/MW-01/nk/23-030	Approval of Self-Compacting Concrete Mix Designs C25, C28 C35 (MW-01)	
90.	11.01.23	DHC/Dasu/CGGC/MW-01/JF/23-032	Request for Urgent Submission of Technical Proposal on Adjusted River Diversion Scheme and River Closure	
91.	11.01.23	DHC/Dasu/CGGC/MW-01/ohs/23-033	Occupational Health & Safety Arrangements at Siglo (Starter Dam MW-01)	
92.	11.01.23	DHC/Dasu/CGGC/MW-01/jf/23-034	Comments on Method Statement of Starter Dam Cut-off Wall (03)	
93.	11.01.23	DHC/Dasu/CGGC/MW-01/cad/23-035	Payment of Hire Charges for Air Transport Services	
94.	12.01.23	DHC/Dasu/CGGC/MW-01/cad/23-036	Provision of Administrative Items for Security Staff at Kass Camp, MW-01	
95.	12.01.23	DHC/Dasu/CGGC/MW-01/AO/23-037	Submission of Conveyor Belt Drawings from RCC Batching Plant to Dam Construction Site, MW-01	
96.	12.01.23	DHC/Dasu/CGGC/MW-01/AO/23-038	Commencement of Right Bank Diversion Tunnel Construction, MW-01	
97.	12.01.23	DHC/Dasu/CGGC/MW-01/zic/23-039	Comments on the Monthly Environmental Report of the Contractor CGGC for MW-01 & 02	
98.	12.01.23	DHC/Dasu/CGGC/MW-01/you23-040	Coordination Meeting on Aspects	
99.	12.01.23	DHC/Dasu/CGGC/MW-01/nk/23-041	Approval of CVC Concrete Mix Design (C20 MPa) for the Cutoff Wall, (MW~01)	
100.	12.01.23	DHC/Dasu/CGGC/MW-01/hur/23-043	Water Supply at KASS Main Camp	
101.	12.01.23	DHC/Dasu/CGGC/MW-01/AO/23-044	Comments on MS of Crack Repair of Diversion Tunnel Arch at Shear Zone Part 3, MW-01	
102.	13.01.23	DHC/Dasu/CGGC/MW-01/AO/23-045	OHS NCRs Closure	
103.	14.01.23	DHC/Dasu/CGGC/MW-01/jf/23-046	Reply for Method Statement of River Channel Dredging of Diversion Tunnel Outlet (D2)	
104.	14.01.23	DHC/Dasu/CGGC/MW-01/jf/23-047	Comment for Uchar Power Station Canopy and Earthing System	
105.	14.01.23	DHC/Dasu/CGGC/MW-01/jf/23-048	Design Drawings of Slope Excavation and Support of Cable Crane Installation Platform	
106.	14.01.23	DHC/Dasu/CGGC/MW-01/jf/23-049	Reply for Proposal for Adding Clay Wall at the Diversion Tunnel Outlet	
107.	15.01.23	DHC/Dasu/CGGC/MW-01/jf/23-050	Air and Noise Dispersion Modelling Report Submission	
108.	14.01.23	DHC/Dasu/CGGC/MW-01/hur/23-052	Monthly Photo Record (Drone View), MW-01	
109.	14.01.23	DHC/Dasu/CGGC/MW-01/cad/23-053	Operation and Maintenance under V0-006 Provision of Power Supply	
110.	14.01.23	DHC/Dasu/CGGC/MW-01/cad/23-054	Submission of Detailed Traffic Management Plan	
111.	17.01.23	DHC/Dasu/CGGC/MW-01/nk/23-056	Equivalent Alkali Content Tests Results of Fauji LAC Cement,	
112.	18.01.23	DHC/Dasu/CGGC/MW-01/Sk/23-057	Reply to Inspection Report for the Guide Frames of DT-A Repaired in SK (HSS)	
113.	19.01.23	DHC/Dasu/CGGC/MW-01/CAD/23-058	Payment of Hire Charges for Air Transport Services	
114.	18.01.23	DHC/Dasu/CGGC/MW-01/zua/23-059	Water Supply at Kass Main Camp	
115.	18.01.23	DHC/Dasu/CGGC/MW-01/zic/23-060	Hiring of Environmental Officer MW-01	
116.	19.01.23	DHC/Dasu/CGGC/MW-01/PM/23-061	Confirmation of Stoppage and Resumption of Works Due to lED Blast Incident	
117.	19.01.23	DHC/Dasu/CGGC/MW-01/PM/23-062	Confirmation of Stoppage of Works due to Mudslide Floods in Uchar Nullah	
118.	19.01.23	DHC/Dasu/CGGC/MW-01/jf/23-063	Reply to Amended Construction Plan of River Diversion (MW-01)	
119.	20.01.23	DHC/Dasu/CGGC/MW-01/jf/23-065	Cutoff Wall ll-1 and 1-1 Construction Works on Right Bank	
120.	20.01.23	DHC/Dasu/CGGC/MW-01/PM/23-066	Invitation of the Progress Meeting	
121.	20.01.23	DHC/Dasu/CGGC/MW-01/NK/23-068	Approval of SGS Pakistan (Private) Limited as a Third-Party Laboratory, (MW-01)	
122.	21.01.23	DHC/Dasu/CGGC/MW-01/cad/23-069	Documentation Requirements for submission of 2d Interim Cost Claim for Additional Payment under Contract Sub-Clause 13.7	
123.	22.01.23	DHC/Dasu/CGGC/MW-01/cad/23-070	Payment of Hire Charges for Air Transport Services	
124.	24.01.23	DHC/Dasu/CGGC/MW-01/you/23-072	Nomination of Security Officer by Contactors	
125.	24.01.23	DHC/Dasu/CGGC/MW-01/PM/23-073	Minutes of Technical Meeting on River Diversion Works	
126.	25.01.23	DHC/Dasu/CGGC/MW-01/cad/23-074	Extension of Insurance Policies due to the Extension of Time (MW-01)	

Sr. No	Date	Letter No.	Subject	Remarks
127.	26.01.23	DHC/Dasu/CGGC/MW-01/zua/23-075	Security Administrative Issues Related to MW-01	
128.	26.01.23	DHC/Dasu/CGGC/MW-01/cad/23-076	Acceleration Award against Key Milestone of River Closure	
129.	27.01.23	DHC/Dasu/CGGC/MW-01/sk/23-077	Re-submission of the Inspection Report for the Guide Frames of DT-A Repaired in SK (HSS)	
130.	26.01.23	DHC/Dasu/CGGC/MW-01/CAD/23-078	Contractor's Request for Urgent Assistance for Obtaining NOC for Three (03) Nos.) Passenger Buses with Special Explosion Proof Facilities	
131.	26.01.23	DHC/Dasu/CGGC/MW-01/Ohs/23-079	Suspension of Manual Handling Works at Uchar Crushing Plant	
132.	26.01.23	DHC/Dasu/CGGC/MW-01/zua/23-080	Minutes of Weekly & Monthly Progress Review Meeting held on 10th January 2023	
133.	26.01.23	DHC/Dasu/CGGC/MW-01/zua/23-081	Minutes of Weekly & Monthly Progress Review Meeting held on 27th December 2023 (MW-01)	
134.	26.01.23	DHC/Dasu/CGGC/MW-01/zua/23-082	Minutes of Weekly & Monthly Progress Review Meeting held on 17th January 2023	
135.	27.01.23	DHC/Dasu/CGGC/MW-01/cad/23-083	Payment of Hire Charges for Air Transport Services	
136.	27.01.23	DHC/Dasu/CGGC/MW-01/cad/23-084	Application of Mr. Hafizullah SO Fatiur Rehman	
137.	27.01.23	DHC/Dasu/CGGC/MW-01/PM/23-085	Invitation of the Progress Meeting MW-01	
138.	30.01.23	DHC/Dasu/CGGC/MW-01/nk/23-087	Approval of Nuclear Density-Humidity Tester	
139.	29.01.23	DHC/Dasu/CGGC/MW-01/cad/23-088	Claim of Blast Incident - Request for Additional Particulars	
2.7 Dasu MW-02				
Dasu Office				
140.	04.01.23	DHC/Dasu/CGGC/MW-02/ PM/23-002	Extension for Insurance Due to the Extension of Time.MW-02	
141.	05.01.23	DHC/Dasu/CGGC/MW-02/ DPM/23-005	Request Modification for the Geological Mapping of ST-B.MW-02	
142.	05.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-006	Daywork Order Instruction for the Relocation of Switchyard Main Gate#1 and Sewerage pipe from the Khooshe Access Road Area.MW-02	
143.	07.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-007	Reply to the Submission of the Proposal Transforming Dump Truck Into Mobile Construction Platform.MW-02	
144.	07.01.23	DHC/Dasu/CGGC/MW-02/ PM/23-008	Schedule Delay Analysis for Prolongation Claim-Reminder.MW-02	
145.	09.01.23	DHC/Dasu/CGGC/MW-02/ cad/23-009	Additional Cost Claim Due to Change in Legislation- Claim No MW-02 C-07	
146.	09.01.23	DHC/Dasu/CGGC/MW-02/ nk/23-010	Approval of Steel Wire Manufacturer KB Steel Industries MW-02	
147.	10.01.23	DHC/Dasu/CGGC/MW-02/ nk/23-011	Approval of Self-Compacting Concrete Mix Designs C25, C28 C35, (MW-02)	
148.	10.01.23	DHC/Dasu/CGGC/MW-02/ you/23-012	Furnishing of Additional carts of Vehicle GAS-821	
149.	13.01.23	DHC/Dasu/CGGC/MW-02/ YS/23-013	Submission of the Proposal of Ventilation for Surge Chamber	
150.	20.01.23	DHC/Dasu/CGGC/MW-02/ nk/23-015	Approval of SGS Pakistan (Private) Limited as a Third-Party Laboratory, (MW-02)	
151.	14.01.23	DHC/Dasu/CGGC/MW-02/ YS/23-016	Comments on Proposal of Diversion Public Traffic Road KKH at Tailrace Tunnel Outlet	
152.	14.01.23	DHC/Dasu/CGGC/MW-02/ YS/23-017	Unsafe Practices within the Underground Powerhouse Cavern between CH0+170.0-0+241.0	
153.	17.01.23	DHC/Dasu/CGGC/MW-02/ YS/23-018	Submission of the Construction Method Statement of Post Tensioned (D2)	
154.	18.01.23	DHC/Dasu/CGGC/MW-02/ zic/23-019	Hiring of Environmental Officer MW-02	
155.	19.01.23	DHC/Dasu/CGGC/MW-02/ PM/23-020	Confirmation of Stoppage and Resumption of Works Due to lED Blast Incident	
156.	19.01.23	DHC/Dasu/CGGC/MW-02/ PM/23-021	Confirmation of stoppage of Works due to Mudslide Floods in Uchar Nullah	
157.	21.01.23	DHC/Dasu/CGGC/MW-02/ cad/23-023	Documentation Requirements for submission of 2d Interim Cost Claim for Additional Payment under Contract Sub-Clause 13.7	
158.	22.01.23	DHC/Dasu/CGGC/MW-02/ PM/23-025	Cost Claim-Overturning Of LNG Tanker Near the Contractor's Barseen Camp	
159.	21.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-027	Submission of the Method Statement of Excavation and Support Tailrace Tunnel (D1)	
160.	23.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-028	Concrete Construction Method Statement of 1# Drainage Tunnel and Exhaust Tunnel Invert Slab (D1)	
161.	24.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-029	Minutes of Weekly Progress Review Meeting held on 17th January 2023	
162.	25.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-031	Provision of Facilities for Police & Security Staff at CR9, Tailrace and Khushi Camp Area	
163.	26.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-032	Provision of Security Measures at CR-9 and Tailrace Site MW-02	
164.	28.01.23	DHC/Dasu/CGGC/MW-02/ ohs/23-033	Formulation of Safety Alert for Non-Work-Related Incident (MW-02)	
165.	28.01.23	DHC/Dasu/CGGC/MW-02/ ys/23-034	Intake Trench Excavation Safety Hazard	
166.	30.01.23	DHC/Dasu/CGGC/MW-02/ cad/23-035	Claim or Blast Incident - Request for Additional Particulars	
. 2.8 Dasu-LBRV-11				
Dasu Office				
167.	12.01.23	DHC/Dasu/ZEGL/LBRV-11/ CAD/23-002	Notice to Correct under GC Sub-Clause 15.1	
168.	16.01.23	DHC/Dasu/ZEGL/LBRV-11/ PLS/23-003	Submission of Final Extension of Time (EoT) for the LBRV-11	
169.	24.01.23	DHC/Dasu/ZEGL/LBRV-11/ you/23-005	Nomination of Security Officer by Contactors LBRV-11& 12	
2.9 Dasu LBRV-12				
Dasu office				
170.	12.01.23	DHC/Dasu/ZEGL/LBRV-12/ CAD/23-002	Notice to Correct under GC Sub-Clause 15.1 LBRV-12	
171.	16.01.23	DHC/Dasu/ZEGL/LBRV-12/ PLS/23-003	Submission of Final Extension of Time (EoT) for LBRV-12 Contract	
2.11 Dasu-PCI-01R				
Dasu Office				
172.	02.01.22	DHC/Dasu/CGICOP/PCI-01R/infra/23-001	Approval of MS Kansai Pant for Colony Phase-B Buildings .PCI-01R	
173.	04.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-003	Arrangement for Accommodation of Security Persons.PCI-01R	
174.	04.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-005	Approval of Paint Manufacturers for Colony Buildings.PCI-01R	
175.	07.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-006	Irregular Top Surface Levels of the P-1 Road.PCI-01R	
176.	09.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-007	Reply to Notice for work stoppage at septic tank Type D for Residence Categotry-2 Near KKH-01	

Sr. No	Date	Letter No.	Subject	Remarks
177.	09.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-008	Reply to Notice for Delay in Issuance of Boundary Wall Construction Drawings near Residence Category-3	
178.	10.01.23	DHC/Dasu/CGICOP/PCI-01R/Cad/23-009	Unjustified Payment Deduction of Manhole Covers in IPC # 33,34,35 & 36	
179.	10.01.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-010	Insufficient Resources to Complete the Project	
180.	12.01.23	DHC/Dasu/CGICOP/PCI-01R/you/23-012	Coordination Meeting on Aspects	
181.	14.01.23	DHC/Dasu/CGICOP/PCI-01R/you/23-013	Registration of Ms CGICOP Workers with EOBI	
182.	16.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-014	Extremely Slow Execution of Water Supply System from the Indus River to the Project Colony	
183.	14.01.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-015	Cost Proposal for Waterproofing	
184.	17.01.23	DHC/Dasu/CGICOP/PCI-01R/PLS/23-016	Revised Contract Programme for Monitoring Construction Activities and Extension of Time (EoT) of PCI-01 R Contract	
185.	18.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-017	Numbering of Project Office Rooms	
186.	18.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-018	Uchar Water Supply Works	
187.	19.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-019	Approval of Smoke Hood for the Kitchens of Residencies Category-1 and the Residencies Category-2	
188.	19.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-020	Exclusion of Transformer, Service Cable and Energy Meters from the Scope of External Electrification	
189.	19.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-021	Irregular top Surface levels of the P-1 Road (Reminder)	
190.	24.01.23	DHC/Dasu/CGICOP/PCI-01R/you/23-022	Nomination of Security Officer by Contactors (PCI-01R)	
191.	24.01.23	DHC/Dasu/CGICOP/PCI-01R/you/23-023	Reply to Approval of Method Statement for PCI-01 R Roads	
192.	24.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-024	Delay in Issuance of Instruction for Boundary Wall Height Increase at Category-2B Part-1	
193.	25.01.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-025	Extension of Performance Security	
194.	27.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-026	Response to Notice for Delay in Issuance of Slope Protection Design (PCI-01R)	
195.	31.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-027	Progress Review minutes of meeting held dated 13th January 2023	
196.	31.01.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-028	Progress Review minutes of meeting held dated 27th January 2023	
.2.12 Dasu RV				
Dasu Office				
197.	02.01.23	DHC/Dasu/KGL/RV/Infra/23-001	Varied Works of Safety Railing and Chain Link Fence for Resettlement Villages.RV	
198.	02.01.23	DHC/Dasu/KGL/RV/Infra/23-002	Development of Plots for Resettlement Villages of Dasu-RV	
199.	18.01.23	DHC/Dasu/KGL/RV/Infra/23-004	Construction Access Road for DASU-RV Choochang Site-4 (Upper Kuz)	
200.	20.01.23	DHC/Dasu/KGL/RV/cad/23-006	Response to the Contractor's Cost Claim Related to Price Adjustment	
201.	24.01.23	DHC/Dasu/KGL/RV/infra/23-008	Tentative Quantities of Remaining works at Resettlement Villages	
202.	25.01.23	DHC/Dasu/KGL/RV/cad/23-009	Request for Extension of Performance Security/Guarantee No. 3AKBL115PB190305	
203.	25.01.23	DHC/Dasu/KGL/RV/cad/23-010	Suggestion for Way Forward	
2.13 EM-01				
Dasu Office				
204.	09.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-002	Submission of Cargo-Transit Insurance Documents for Second Batch of Equipment	
205.	09.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-004	Follow Up for Interim Payment Certificate (IPC) No. 02	
206.	09.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-006	Submission of the Employer's Nominee for Dispute Board (08)	
207.	10.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-008	Submission of Employer's Liability insurance	
208.	10.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-009	Submission of the Revised Master List	
209.	10.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-010	Further Clarification on Labor Cost Index in the Contract Price Adjustment	
210.	14.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-012	Follow-up for Interim Payment Certificate (IPC) No. 02 and Contractor's Claim for Interest	
211.	16.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-013	Additional Payment for December 2022- Temporary Storage Cost at Ghazi Barotha (Interim, as of 13th January 2023)	
212.	16.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-014	Additional Payment for December 2022 - Delay in Generation of Financial Instrument (FI) Number (Interim as o f 13th January 2023)	
213.	16.01.23	DHC/Dasu/GEPC/EM-01/ cad/23-015	Record of Contractor's Personnel	
214.	16.01.23	DHC/Dasu/GEPC/EM-01/ sn/ 23-016	Addition of Suppliers to the Agreed Schedule T-4 for Spiral case & Stay Ring, Auto Silt Monitoring System, Generator Stator Core	
215.	17.01.23	DHC/Dasu/GEPC/EM-01/ sn/ 23-017	Revised Distributed Control System (DCS) Spare Parts	
216.	18.01.23	DHC/Dasu/GEPC/EM-01/ ys/ 23-018	Approval of Drawings for Watch Tower, Gate and Post Detail, Breast Wall, Side Boundary Wall and Road Side Boundary Wall	
217.	21.01.23	DHC/Dasu/GEPC/EM-01/ cad/ 23-019	Remuneration of the Employer's Nominee for Dispute Board (DB)	
218.	19.01.23	DHC/Dasu/GEPC/EM-01/ ys/ 23-020	Dasu Generator Air Water Cooling System, NDE Bearing Piping Assembly, DE Bearing Piping Assembly, HP Oil System	
219.	24.01.23	DHC/Dasu/GEPC/EM-01/ you/ 23-021	Nomination of Security Officer by Contactors (EM-01)	
220.	24.01.23	DHC/Dasu/GEPC/EM-01/ PLS/ 23-024	Submission of Updated Program of Performance V1.1 0.	
221.	25.01.23	DHC/Dasu/GEPC/EM-01/ ys/ 23-025	Excavation for Construction of Retaining Walls along RAR- 01 at EM - 01 Site Camp, Kass	
222.	31.01.23	DHC/Dasu/GEPC/EM-01/ sn/ 23-027	Governor Control System of OPU and Control Sequence Diagrams	
2.17 Dasu LADP PKG-01				
Dasu Office				
223.	03.01.23	DHC/Dasu/NESPAK/PKG-01/mfn/23-001	LADP-PKG-01-Interim Payment Certificate No.04	

APPENDIX F

Detail of Interim Payment Certificates

Appendix F: Details of Interim Payment Certificates

Details of Interim Payment Certificates of MW-01 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	5,556,438,372	56,988,569.00	16-May-17
2	22-Jun-18	2	11-Jul-18	129,457,263	1,384,020.74	17-Aug-18
						17-Aug-18
3	03-Jan-19	3	09-Jan-19	88,936,900	997,133.73	28-Feb-19
4	09-Jun-19	4	04-Jul-19	76,716,800	732,093.22	04-Aug-19
5	25-Jul-19	5	18-Aug-19	145,629,996	1,363,149.96	19-Sep-19
6	26-Sep-19	6	23-Oct-19	248,905,635	2,214,513.54	21-Nov-19
7	10-Dec-19	7	06-Jan-20	629,914,484	5,895,127.76	04-Feb-20
8	10-Feb-20	8	27-Feb-20	206,824,646	1,757,372.29	06-Apr-20
9	06-Apr-20	9	04-May-20	365,752,539	3,245,285.91	01-Jun-20
10	13-Jun-20	10	11-Jul-20	382,303,496	2,880,146.95	08-Aug-20
11	05-Aug-20	11	02-Sep-20	252,654,881	2,252,835.97	30-Sep-20
12	16-Sep-20	12	09-Oct-20	458,055,284	3,898,125.46	11-Nov-20
13	12-Nov-20	13	10-Dec-20	521,447,309	4,746,372.92	07-Jan-21
14	16-Dec-20	14	12-Jan-21	109,355,876	1,157,321.96	10-Feb-21
15	18-Jan-21	15	12-Feb-21	158,129,043	1,570,752.84	15-Mar-21
16	23-Feb-21	16	19-Mar-21	336,954,470	2,658,901.26	20-Apr-21
17	16-Apr-21	17	04-May-21	407,082,473	8,331,836.66	11-Jun-21
18	20-May-21	18	14-Jun-21	762,466,613	6,311,057.52	15-Jul-21
19	21-Jun-21	19	14-Jul-21	425,023,542	4,493,780.63	16-Aug-21
20	26-Jul-21	20	19-Aug-21	226,133,481	2,044,283.79	20-Sep-21
21	25-Aug-21	21	20-Sep-21	480,881,765	4,269,721.44	20-Oct-21
22	29-Sep-21	22	25-Oct-21	4,185,117	39,112.22	24-Nov-21
23	21-Nov-21	23	20/12/2021	821,193,512	9,251,540.73	16-Jan-22
24	26-Dec-21	24	07-Feb-22	679,713,623	6,015,133.50	20-Feb-22
25	29-Jan-22	25	28-Feb-22	321,933,884	2,945,172.60	26-Mar-22
26	02-Mar-22	26	28-Mar-22	131,974,383	1,251,829.96	27-Apr-22
27	28-Mar-22	27	24-Apr-22	159,376,817	1,607,294.43	23-May-22
28	16-Apr-22	28	18-May-22	362,635,724	2,112,719.95	11-Jun-22
29	21-Jun-22	29	22-Jul-22	192,432,354	1,429,597.79	16-Aug-22
30	20-Jul-22	30	18-Aug-22	208,902,264	1,700,738.92	14-Sep-22
31	22-Aug-22	31	20-Sep-22	309,574,151	1,793,501.06	17-Oct-22
32	18-Oct-22	32	18-Nov-22	330,721,543	2,483,232.94	13-Dec-22
33	06-Dec-22	33	03-Jan-23	827,977,759	5,014,543.37	31-Jan-23
Total Amount in LC & FC (1USD = 104.3 PKR) (LC 50:FC 50)				**16,319,685,999**	**154,836,821**	
Total Amount Certified including LC & FC (Rs.)				*32,469,166,431.39*		
Accepted Contract Amount				***115,003,461,240***		
Disbursment Progress with respect to ACA				***28.23%***		

Details of Interim Payment Certificates of MW-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	3,326,067,613	29,880,873.00	16-May-17
2	22-Jun-18	2	11-Jul-18	83,298,629	870,162.03	17-Aug-18
						17-Aug-18
3	03-Jan-19	3	09-Jan-19	74,858,417	766,176.22	28-Feb-19
4	09-Jun-19	4	02-Jul-19	71,107,206	626,942.03	04-Aug-19
5	25-Jul-19	5	18-Aug-19	4,908,345	33,396.51	19-Sep-19
6	02-Oct-19	6	19-Oct-19	77,803,163	676,690.06	27-Nov-19
7	03-Dec-19	7	31-Dec-19	380,055,185	3,487,658.38	28-Jan-20
8	31-Jan-20	8	22-Feb-20	116,606,355	943,411.40	27-Mar-20
9	06-May-20	9	19-May-20	169,704,055	1,210,335.38	01-Jul-20
10	22-Jun-20	10	22-Jul-20	81,144,101	392,991.96	17-Aug-20
11	05-Aug-20	11	02-Sep-20	94,947,361	765,644.82	30-Sep-20
12	16-Sep-20	12	09-Oct-20	155,265,987	1,065,922.39	11-Nov-20
13	12-Nov-20	13	10-Dec-20	76,094,960	641,343.79	07-Jan-21
14	16-Dec-20	14	12-Jan-21	91,489,465	788,644.78	10-Feb-21
15	18-Jan-21	15	12-Feb-21	2,196,767	151,795.03	15-Mar-21
16	23-Feb-21	16	19-Mar-21	95,214,311	336,914.48	20-Apr-21
17	16-Apr-21	17	04-May-21	151,300,083	2,746,114.01	11-Jun-21
18	20-May-21	18	14-Jun-21	155,713,668	968,699.57	15-Jul-21

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19	21-Jun-21	19	14-Jul-21	84,507,053	146,301.84	16-Aug-21
20	26-Jul-21	20	19-Aug-21	52,249,037	172,562.45	20-Sep-21
21	25-Aug-21	21	20-Sep-21	24,216,703	160,409.05	20-Oct-21
22	29-Sep-21	22	25-Oct-21	13,306,835	36,044.08	24-Nov-21
23	21-Nov-21	23	15-Dec-21	10,566,080	70,038.21	16-Jan-22
24	26-Dec-21	23	04-Feb-22	13,396,896	98,850.24	20-Feb-22
25	29-Jan-22	25	28-Feb-22	29,493,180	244,726.79	26-Mar-22
26	02-Mar-22	26	28-Mar-22	9,702,893	60,887.68	27-Apr-22
27	28-Mar-22	27	24-Apr-22	23,355,008	151,238.21	23-May-22
28	16-Apr-22	28	18-May-22	65,408,374	223,236.05	11-Jun-22
29	21-Jun-22	29	23-Jul-22	65,521,384	407,878.71	16-Aug-22
30	20-Jul-22	30	20-Aug-22	61,174,019	159,575.39	14-Sep-22
31	23-Aug-22	31	24-Sep-22	75,988,914	178,590.68	18-Oct-22
32	18-Oct-22	32	19-Nov-22	157,320,766	973,034.70	13-Dec-22
33	06-Dec-22	33	05-Jan-23	286,277,691	1,587,756.94	31-Jan-23
Total Amount in LC & FC (1USD = 104.3 PKR) (LC 50:FC 50)				**6,180,260,504**	**51,024,846.86**	
Total Amount Certified including LC & FC (Rs.)				*11,502,152,031.50*		
Accepted Contract Amount				***64,426,426,087***		
Disbursment Progress with respect to ACA				***17.85%***		

Details of Interim Payment Certificates of EM-01 – Contractor GE-PC JV

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	17-Dec-19	1 (Adv. Pay)	20-Dec-19		24,398,400.00	24-Jan-20
2	21-Oct-21	1	01-Nov-21		921,600.00	20-Dec-21
3	17-Feb-22	(Adv. Pay)	25-Mar-22	480,570,192		
4	12-Oct-22	2	20-Oct-22		785,822.21	11-Dec-22
			Total Amount in LC & FC	**480,570,192**	**26,105,822**	
			Accepted Contract Amount	*25,471,001,920*	*243,984,000*	
			Disbursment Progress with respect to ACA	***2%***	***11%***	
			Total Contract Amount (Rs.)	***52,455,632,320***		

Details of Interim Payment Certificates of PCI-01R – Contractor CGCIOP

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	26-Dec-18	1 (Adv. Pay)	28-Dec-18	726,119,001	2,405,315	16-Jan-19
2	17-Oct-19	2	12-Nov-19	33,567,386	136,295.80	12-Dec-19
3	17-Nov-19	3	12-Dec-19	34,931,356	141,834.03	12-Jan-20
4	14-Feb-20	4	06-Mar-20	35,072,900	142,409.00	10-Apr-20
5	09-Mar-20	5	04-Apr-20	42,945,219	108,612.40	04-May-20
6	24-Apr-20	6	14-May-20	34,543,747	90,408.73	19-Jun-20
7	18-Jun-20	7	28-Jun-20	16,566,772	70,069.45	13-Aug-20
8	02-Jul-20	8	23-Jul-20	32,357,756	95,828.25	27-Aug-20
9	13-Jul-20	9	10-Aug-20	41,345,304	142,436.39	07-Sep-20
10	11-Aug-20	10	25-Aug-20	57,969,212	206,748.57	06-Oct-20
11	09-Sep-20	11	27-Sep-20	46,442,969	176,916.64	04-Nov-20
12	06-Oct-20	12	29-Oct-20	59,435,690	189,186.18	01-Dec-20
13	08-Nov-20	13	01-Dec-20	67,698,771	225,993.44	03-Jan-21
14	09-Dec-20	14	05-Jan-21	36,818,282	126,664.14	03-Feb-21
15	09-Jan-21	15	04-Feb-21	49,773,681	174,006.62	06-Mar-21
16	11-Feb-21	16	10-Mar-21	45,051,858	157,276.41	08-Apr-21
17	11-Mar-21	17	06-Apr-21	28,554,500	94,947.49	06-May-21
18	10-Apr-21	18	05-May-21	48,159,728	162,023.48	05-Jun-21
19	08-May-21	19	05-Jun-21	43,238,709	146,047.14	03-Jul-21
20	10-Jun-21	20	08-Jul-21	42,484,291	146,845.49	05-Aug-21
21	11-Jul-21	21	09-Aug-21	48,422,532	158,859.84	05-Sep-21
22	09-Aug-21	22	05-Sep-21	48,268,339	153,050.04	04-Oct-21
23	07-Sep-21	23	04-Oct-21	32,788,090	109,182.33	02-Nov-21
24	12-Oct-21	24	07-Nov-21	40,545,279	126,723.09	07-Dec-21
25	13-Nov-21	25	23-Nov-21	31,906,308	104,477.57	08-Jan-22
26	14-Dec-21	26	24-Dec-21	26,915,937	91,526.69	08-Feb-22
27	21-Jan-22	26	14-Feb-22	30,908,137	100,942.68	18-Mar-22
28	07-Apr-22	28	08-Apr-22	22,262,030	73,117.80	02-Jun-22
29	07-Apr-22	29	17-Apr-22	20,347,880	63,750.71	02-Jun-22
30	18-Apr-22	30	15-May-22	13,216,994	42,850.56	13-Jun-22
31	09-Jun-22	31	01-Jul-22	24,908,565	80,913.11	04-Aug-22

32	05-Jul-22	32	01-Aug-22	67,779,223	119,945.64	30-Aug-22
33	07-Aug-22	33	04-Sep-22	11,559,525	30,562.99	02-Oct-22
34	07-Sep-22	34	26-Sep-22	27,079,138	62,745.59	02-Nov-22
35	06-Oct-22	35	31-Oct-22	17,155,374	42,162.34	01-Dec-22
36	06-Nov-22	36	02-Dec-22	33,342,424	84,877.98	01-Jan-23
37	06-Dec-22	37	21-Dec-22	30,464,152	100,428.59	31-Jan-23
38	17-Dec-22	38	05-Jan-23	99,858,860	257,957.49	11-Feb-23
			Total Amount in LC & FC (1USD = 105.55 PKR) (LC 70: FC 30)	***2,150,805,919***	***6,943,940***	
			Total Amount Certified including LC & FC (Rs.)	*2,883,738,753*		
			Accepted Contract Amount	***4,900,000,009***		
			Disbursment Progress with respect to ACA	***58.85%***		

Details of Interim Payment Certificates of KKH-01 – Contractor CCECC

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	2,176,756,967	7,257,158.00	01-May-15
2	25-Oct-16	2	05-Nov-16	116,085,061	384,408.90	20-Dec-16
3	20-Mar-17	3	21-Mar-17	115,271,179	384,306.16	15-May-17
4	07-Oct-17	4	09-Oct-17	163,673,731	537,714.66	02-Dec-17
5	02-Jan-18	5	15-Jan-18	140,213,172	467,461.04	27-Feb-18
6	29-Apr-18	6	16-May-18	112,700,084	375,734.32	24-Jun-18
7	13-Jun-18	7	09-Jul-18	137,477,799	294,116.50	08-Aug-18
8	18-Aug-18	8	12-Sep-18	83,900,536	248,588.91	13-Oct-18
9	20-Oct-18	9	07-Nov-18	115,514,185	327,895.98	15-Dec-18
10	22-Dec-18	10	02-Jan-19	54,277,538	153,159.67	16-Feb-19
11	29-Jan-19	11	13-Feb-19	117,014,088	295,608.67	26-Mar-19
12	28-Apr-19	12	13-May-19	83,570,086	218,018.53	23-Jun-19
13	01-Jul-19	13	12-Jul-19	111,832,242	262,033.71	26-Aug-19
14	26-Aug-19	14	13-Sep-19	186,836,976	487,212.82	21-Oct-19
15	24-Nov-19	15	22-Dec-19	60,357,019	167,948.08	19-Jan-20
16	17-Feb-20	16	13-Mar-20	80,325,069	188,092.50	13-Apr-20
17	31-Mar-20	17	28-Apr-20	103,054,752		26-May-20
18	03-Jul-20	18	27-Jul-20	117,062,441	299,271.45	28-Aug-20
19	03-Oct-20	19	30-Oct-20	541,814,894	244,433.16	28-Nov-20
20	10-Nov-20	20	07-Dec-20	126,355,008	161,772.28	05-Jan-21
21	04-Mar-21	21	02-Apr-21	89,700,027	217,810.42	29-Apr-21
22	30-Apr-21	22	30-May-21	218,335,017	131,214.31	25-Jun-21
23	17-Jul-21	23	14-Aug-21	123,748,647	1,564.06	11-Sep-21
24	19-Oct-21	24	16-Nov-21	148,233,396		14-Dec-21
25	22-Feb-22	25	21-Mar-22	46,553,333	388,294.83	19-Apr-22
26	19-Jun-22	27	21-Jun-22	3,351,431,289	11,173,440.91	10-Jul-22
27	19-Jul-22	26	12-Aug-22	22,894,416	2,136,987.46	13-Sep-22
28	03-Nov-22	28	28-Nov-22	413,135,000	235,653.58	29-Dec-22
			Total Amount in LC & FC (1USD=100.73PKR) (LC74.86:FC25.14)	***9,158,123,952***	***27,039,901***	
			Total Amount Certified including LC & FC (Rs.)	11,881,853,171		
			Accepted Contract Amount	***14,538,852,307***		
			Disbursment Progress with respect to ACA	***81.72%***		

Details of Interim Payment Certificates of KKH-02 – Contractor CGGC

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	20-May-17	1 (Adv. Pay)	22-May-17	2,146,910,052	10,590,008	12-Jun-17
2	05-Oct-22	2	23-Oct-22	37,624,777	145,122	30-Nov-22
3	06-Dec-22	3	27-Dec-22	159,914,610	603,728	31-Jan-23
4	01-Jan-23	4	23-Jan-23	117,089,970	420,422	26-Feb-23
			Total Amount in LC & FC (1USD = 104.445 PKR) (LC 60:FC 40)	***2,461,539,409***	***11,759,280***	
			Total Amount Certified including LC & FC (Rs.)	*3,689,737,386.67*		
			Accepted Contract Amount	***16,264,917,100***		
			Disbursment Progress with respect to ACA	***22.69%***		

Details of Interim Payment Certificates of RAR-01 – Contractor CCECC

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	379,956,163	1,616,583.00	01-May-15
2	08-Sep-16	2	28-Sep-16	30,718,272	127,214.05	03-Nov-16

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3	24-Nov-16	3	28-Nov-16	33,046,440	140,751.14	19-Jan-17
4	17-Mar-17	4	18-Mar-17	25,337,809	107,803.64	12-May-17
5	31-May-17	5	06-Jun-17	19,217,560	75,637.40	26-Jul-17
6	29-Sep-17	6	22-Oct-17	15,836,928	67,380.67	24-Nov-17
7	18-Jan-18	7	22-Jan-18	29,111,263	119,640.59	15-Mar-18
8	25-May-18	8	07-Jun-18	29,282,076	124,585.00	20-Jul-18
9	19-Oct-18	9	06-Nov-18	27,200,193	115,728.00	14-Dec-18
10	22-Feb-19	10	27-Feb-19	18,068,304	76,874.00	19-Apr-19
11	13-May-19	11	30-May-19	18,051,845	76,804.00	08-Jul-19
12	12-Jul-19	12	02-Aug-19	15,616,281	66,441.90	06-Sep-19
13	29-Sep-19	13	23-Oct-19	14,343,099	61,024.94	24-Nov-19
14	25-Jan-20	14	22-Feb-20	15,400,368	65,523.26	21-Mar-20
15	04-Apr-20	15	01-May-20	22,964,734	87,258.28	30-May-20
16	25-May-20	16	22-Jun-20	37,010,549	157,467.13	20-Jul-20
17	01-Jul-20	17	25-Jul-20	22,836,053	97,159.54	26-Aug-20
18	30-Jul-20	18	27-Aug-20	33,569,813	86,410.44	24-Sep-20
19	09-Sep-20	19	03-Oct-20	36,443,023	155,052.49	04-Nov-20
20	24-Oct-20	20	20-Nov-20	82,520,944	351,098.18	19-Dec-20
21	04-Dec-20	21	31-Dec-20	44,545,575	189,526.09	29-Jan-21
22	29-Dec-20	22	25-Jan-21	47,609,910	202,563.76	23-Feb-21
23	03-Mar-21	23	31-Mar-21	13,481,331	57,358.41	28-Apr-21
24	23-Apr-21	24	19-May-21	28,305,821	100,414.10	18-Jun-21
25	08-Jun-21	25	06-Jul-21	35,431,501	148,527.77	03-Aug-21
26	10-Aug-21	26	05-Sep-21	17,707,706	75,340.18	05-Oct-21
27	15-Oct-21	27	07-Nov-21	17,127,417	72,871.15	10-Dec-21
28	24-Dec-21	28	08-Jan-22	25,132,074	106,928.19	18-Feb-22
29	14-Feb-22	29	07-Mar-22	59,115,357	294,753.05	11-Apr-22
30	04-Apr-22	30	21-Apr-22	58,643,597	249,508.29	30-May-22
31	21-Jun-22	31	05-Jul-22	29,871,706	124,079.66	16-Aug-22
32	04-Aug-22	32	09-Aug-22	51,238,120	207,000.99	29-Sep-22
33	06-Oct-22	33	25-Oct-22	20,063,157	85,361.70	01-Dec-22
			Total Amount in LC & FC (1USD=100.73PKR) (LC70:FC30)	***1,354,804,989***	***5,690,671***	
			Total Amount Certified including LC & FC (Rs.)	1,928,026,278		
			Accepted Contract Amount	***2,713,972,595***		
			Disbursment Progress with respect to ACA	***71.04%***		

Details of Interim Payment Certificates of RAR-02 – Contractor CGGC

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	20-Mar-17	1 (Adv. Pay)	31-Mar-17	833,528,863	3,993,993	21-Apr-17
1	08-Mar-22	2	04-Apr-22	12,351,687	58,456.46	25-Apr-22
			Total Amount in LC & FC (1USD = 104.445 PKR) (LC 60: FC 40)	***845,880,550***	***4,052,449***	
			Total Amount Certified including LC & FC (Rs.)	*1,269,138,633.85*		
			Accepted Contract Amount	***6,253,407,194***		
			Disbursment Progress with respect to ACA	***20.30%***		

Details of Interim Payment Certificates of TL-01 – Contractor PCCC

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	10-Jul-15	Adv. Payment	28-Jul-15	286,980,047	403,585.00	24-Aug-15
2	16-Mar-16	2016/Rev-01	21-Mar-16	4,652,449		30-Apr-16
3	16-Mar-16	2016/02	21-Mar-16	2,604,724		30-Apr-16
4	11-Jul-16	2016/03	14-Jul-16	347,684		25-Aug-16
5	11-Jul-16	2016/04	14-Jul-16	10,191,948		25-Aug-16
6	25-Jul-16	2016/05	27-Jul-16	8,537,775		08-Sep-16
7	30-Mar-17	2017/01	10-Apr-17	7,286,730		14-May-17
8	30-Mar-17	2017/02	10-Apr-17	20,617,251		14-May-17
9	02-May-17	2017/03	10-May-17	1,029,370		16-Jun-17
10	20-Jun-17	2017/04	07-Jul-17	15,467,707		04-Aug-17
11	17-Jul-17	2017/05	19-Jul-17	2,926,056		31-Aug-17
12	27-Jul-17	2017/06	19-Aug-17	386,316		10-Sep-17
13	08-Aug-17	2017/07	19-Aug-17	768,750		22-Sep-17
14	06-Nov-17	2017/08	09-Nov-17	16,581,527	164,877.75	21-Dec-17
15	03-Jan-18	2017/09	04-Jan-18	79,952,447	24,499.74	17-Feb-18
16	03-Feb-18	2018/01	07-Feb-18	8,312,535		20-Mar-18

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17	04-Apr-18	2018/02	06-Apr-18	32,121,568		19-May-18
18	07-May-18	2018/03	08-May-18	11,485,439	32,729.72	21-Jun-18
19	15-Aug-18	2018/04	16-Aug-18	6,252,657		29-Sep-18
20	12-Sep-18	2018/05	25-Sep-18	15,914,034		27-Oct-18
21	23-Oct-18	2018/06	24-Oct-18	16,345,769		07-Dec-18
22	01-Nov-18	2018/07	07-Nov-18	24,631,750		16-Dec-18
23	04-Dec-18	2018/08	08-Dec-18	7,376,449	4,675.67	18-Jan-19
24	08-Jan-19	2018/09	09-Jan-19	44,412,888		22-Feb-19
25	18-Feb-19	2019/01	21-Feb-19	19,061,264		04-Apr-19
26	06-Apr-19	2019/02	06-Apr-19	20,399,754	6,172.99	21-May-19
27	04-May-19	2019/03	06-May-19	9,149,766		18-Jun-19
28	15-Jun-19	2019/04	21-Jun-19	7,950,672		30-Jul-19
29	22-Jul-19	2019/05	25-Jul-19	8,566,498		05-Sep-19
30	02-Sep-19	2019/06	11-Sep-19	14,717,898		17-Oct-19
31	10-Oct-19	2019/07	16-Oct-19	10,560,040		24-Nov-19
32	08-Nov-19	2019/08	12-Nov-19	21,865,545		23-Dec-19
33	21-Nov-19	2019/09	27-Nov-19	14,948,404		05-Jan-20
34	13-Dec-19	2019/10	17-Dec-19	9,763,128		27-Jan-20
35	13-Jan-20	35	16-Jan-20	6,289,821		27-Feb-20
36	05-Feb-20	36	15-Feb-20	8,269,057		21-Mar-20
37	08-Mar-20	37	11-Mar-20	16,622,182		22-Apr-20
38	12-Apr-20	38	17-Apr-20	14,685,515		27-May-20
39	06-May-20	39	11-May-20	8,674,392		20-Jun-20
40	20-Jun-20	40	29-Jun-20	11,492,085		04-Aug-20
41	14-Jul-20	41	16-Jul-20	17,479,360		28-Aug-20
42	28-Aug-20	42	28-Aug-20	15,535,731	641,006.25	12-Oct-20
43	12-Sep-20	43	16-Sep-20	22,738,054		27-Oct-20
44	29-Oct-20	44	03-Nov-20	18,357,848		13-Dec-20
45	13-Nov-20	45	18-Nov-20	79,002,100		28-Dec-20
46	22-Dec-20	46	28-Dec-20	18,101,938	12,934.08	05-Feb-21
47	22-Jan-21	47	27-Jan-21	28,895,993		08-Mar-21
48	26-Feb-21	48	26-Feb-21	18,046,595		12-Apr-21
49	22-Mar-21	49	27-Mar-21	12,177,261		06-May-21
50	11-Apr-21	50	15-Apr-21	105,933,373		26-May-21
51	15-Apr-21	51	24-Apr-21	8,659,218		30-May-21
52	18-Jun-21	52	26-Jun-21	22,498,685		02-Aug-21
53	06-Jul-21	53	08-Jul-21	22,274,250		20-Aug-21
54	24-Aug-21	54	02-Sep-21	6,968,066		08-Oct-21
55	24-Sep-21	55	01-Oct-21	5,436,112		08-Nov-21
56	06-Dec-21	56	15-Dec-21	14,485,408		20-Jan-22
57	18-Jan-22	57	27-Jan-22	8,255,319	17,028.08	04-Mar-22
58	08-Feb-22	58	11-Feb-22	119,768,095		25-Mar-22
59	23-Mar-22	59	24-Mar-22	27,388,195		07-May-22
60	22-May-22	60	27-May-22	8,921,704		08-Jul-22
61	06-Jul-22	61	22-Jul-22	9,959,510		20-Aug-22
62	26-Jul-22	62	01-Aug-22	19,934,095		09-Sep-22
63	26-Sep-22	63	07-Oct-22	15,673,379		10-Nov-22
64	02-Nov-22	64	16-Nov-22	7,380,082		17-Dec-22
65	17-Dec-22	65	11-Jan-23	10,140,134		31-Jan-23
66	02-Jan-23	66	17-Jan-23	6,452,224		16-Feb-23

Total Amount in LC & FC		***1,191,682,573***	***1,307,509***
Accepted Contract Amount	***Rs***	***1,583,325,237***	***$ 2,017,927***
Disbursment Progress with respect to ACA		***75%***	***65%***
Total Contract Amount (Rs.)		***1,785,117,937***	

Details of Interim Payment Certificates of RV(Re-bid) – Contractor KGL

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	12-Jul-19	1 (Adv. Pay)	17-Jul-19	130,963,036		07-Aug-19
2	09-Mar-20	2	25-Mar-20	19,802,834		22-Apr-20
3	09-May-20	3	20-May-20	9,411,827		17-Jun-20
4	15-Aug-20	4	24-Aug-20	24,116,398		21-Sep-20
5	10-Oct-20	5	26-Oct-20	15,274,462		23-Nov-20
6	10-Dec-20	6	20-Dec-20	19,475,809		17-Jan-21
7	01-Feb-21	7	25-Feb-21	14,543,732		25-Mar-21

8	02-Apr-21	8	16-Apr-21	13,480,239		14-May-21
9	04-Jul-21	9	24-Jul-21	6,466,245		21-Aug-21
10	22-Nov-21	10	25-Nov-21	5,016,366		23-Dec-21
11	01-Apr-22	11	15-Apr-22	6,534,788		13-May-22
12	22-Aug-22	12	15-Sep-22	11,770,977		13-Oct-22
13	30-Dec-22	13	21-Jan-23	17,618,681		18-Feb-23
			Total Amount in LC	***294,475,394***	***-***	
			Total Amount Certified (Rs.)	*294,475,394.00*		
			Accepted Contract Amount	***654,815,181***		
			Disbursment Progress with respect to ACA	***44.97%***		

Details of Interim Payment Certificates of LBRV-11 – Contractor M/s Zongmei

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	83,204,565	1,343,848	25-Jul-17
2	02-Jul-19	2	27-Jul-19	10,967,224	244,073.58	27-Aug-19
2	18-Oct-19	3	18-Oct-19	5,704,559	126,953.95	13-Dec-19
4	01-Feb-20	4	10-Feb-20	7,097,482	157,953.19	28-Mar-20
5	30-Apr-20	5	12-May-20	8,413,484	187,240.57	25-Jun-20
6	20-Sep-20	6	06-Oct-20	14,612,501	315,475.78	15-Nov-20
7	29-Dec-20	7	23-Jan-21	6,767,978	150,620.15	23-Feb-21
8	06-May-21	8	03-Jun-21	8,090,729	127,265.24	01-Jul-21
9	24-Nov-21	9	20-Dec-21	29,671,210	101,302.52	19-Jan-22
10	31-Dec-21	10	24-Jan-22	59,080,621	172,441.90	25-Feb-22
11	13-Apr-22	11	27-Apr-22	58,760,674	94,065,.32	08-Jun-22
12	18-Sep-22	12	10-Oct-22	8,191,493	85,705.12	13-Nov-22
			Total Amount in LC & FC (1USD = 104.8462 PKR) (LC 30:FC 70)	***300,562,520***	***3,012,880***	
			Total Amount Certified including LC & FC (Rs.)	*616,451,539.06*		
			Accepted Contract Amount	***1,120,509,415***		
			Disbursment Progress with respect to ACA	***55.02%***		

Details of Interim Payment Certificates of LBRV-12 – Contractor M/s Zongmei

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	75,233,228	1,222,084	25-Jul-17
2	05-Feb-20	2	18-Feb-20	5,697,404	126,794.70	01-Apr-20
3	05-Jun-20	3	15-Jun-20	6,263,338	139,389.45	31-Jul-20
4	09-Nov-20	4	01-Dec-20	5,732,406	127,573.68	04-Jan-21
5	03-Dec-20	5	29-Dec-20	7,530,157	167,582.29	28-Jan-21
6	05-Jul-21	6	24-Jul-21	8,933,670	198,817.22	30-Aug-21
7	25-Dec-21	7	08-Jan-22	7,712,692	171,644.56	19-Feb-22
8	28-Mar-22	8	23-Apr-22	36,548,959	150,462.38	23-May-22
9	30-May-22	9	26-Jun-22	28,572,688	61,502.53	25-Jul-22
10	01-Oct-22	10	27-Oct-22	46,629,121	124,209.29	26-Nov-22
			Total Amount in LC & FC (1USD = 104.8462 PKR) (LC 30:FC 70)	***228,853,663***	***2,490,060***	
			Total Amount Certified including LC & FC (Rs.)	*489,927,002.26*		
			Accepted Contract Amount	***1,016,820,466***		
			Disbursment Progress with respect to ACA	***48.18%***		

Details of Interim Payment Certificates of RBRV-11 – Contractor M/s CR17B

Sr. No.	*Application Received*	*IPC number*	*IPC's Issued Date*	*Amount Certified*		
				Local Currency	*Foreign Currency*	*Due Date*
1	28-Sep-17	1 (Adv. Pay)	02-Oct-17	54,937,530	182,814	23-Oct-17
			Total Amount in LC & FC (1USD = 105.3 PKR) (LC 70:FC 30)	***54,937,530***	***182,814***	
			Total Amount Certified including LC & FC (Rs.)	*74,187,844.20*		
			Accepted Contract Amount	***370,939,497***		
			Disbursment Progress with respect to ACA	***20.00%***		

APPENDIX G

Details of Claims/Notifications

Appendix G: Details of Claims/Notifications

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
Details of Claims/Notifications of KKH-01 – Contractor CCECC							
1	KKH-01/C-1/C-4 Unfication of C-1 and C-4 Disruption and Delay in Site Possession	Contractor submitted nos. of Interim submissions. First interim submission was made on 18/06/17.	728,709,218		-		The Engineer's replied dated **20/07/2017**. Principle of claim was approved. ***Contractor's substantiation for Additional cost awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.***
		On 14/10/18, Contractor submitted his claim for running cost of Dasu office - [Mar 2017 to Aug 2018]	7,836,150		-		The Engineer asked the Contractor to provide justification for the subject claim. ***Awaiting Contractor's substantiation.***
		On 13/08/18, Contractor submitted Cost Claim - Extension of Workman Insurance	6,236,907		5,597,225		The Engineer recommended Interim entitlements- *dated **13-Oct-2018***. The Employer agreed to include the Claim Cost 5,330,690 excluding the 'Profit' in IPC. (dated Employer's letter **24-03-2020**) ***Claim Paid.***
		On 08/04/19, Contractor submitted Cost Claim - Extension of CAR Insurances	62,860,388		58,410,095		Employer accorded approval on 23/10/20 to pay 55,628,662 PKR, as per actual receipts.
		On 18/05/19, Contractor submitted Cost Claim - Extending the Advance Payment and Performance Guarantees	2,337,028	319,282	913,470	259,661	The Employer was requested to verify the supporting doc of the claim - *dated **1-Jun-2019***. The Initial assessment of the claim was sent to both parties for their agreement.(dated **23-Dec-2019).** ***Awaiting the Employer's Response***
		On 18/08/19, Contractor submitted Claim for 2nd extension of Workmen Compensation (WC) policy with effect from 1st August 2019 to 31 July 2020	4,820,243		4,265,702		Actual reimbursement for 2nd extension of WC Insurance policy may be agreed - [21-April-2020]. On 27-April-2020, Contractor's agreement subject to few condition was conveyed to Employer. Employer shared MSC comments. Engineer replied on 4-Oct-2020. ***Employer replied to process it after 3rd EOT approval.***
		23-02-2022, Constractor's Cost claim regarding extension of Insurances and Guarantees	156,432,253	510,140	130,918,270	481,256	*the Engineer issued his assessment/determination on **25-04-2022***
2	KKH-01/C-5 Force Majeure-Heavy Rainfal and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to heavy rain caussed land sliding and blockage of KKH					*The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via* ***DHC letter dated 28-04-2016 (Ref:16-043)*** ***Contractor's substantiation awaited***
3	KKH-01/C-6 Interference of Local	On 09/05/2016 the Contractor notified claim for extension of time and additional cost due to Stoppage of works by Interference of Locals at Uchar					*The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated **11/05/2016 (Ref: 16-051)*** ***Contractor's substantiation awaited***
4	KKH-01/C-7 Delayed Drawings	On 19/05/16 Contractor notified claim for extension of time and additional cost Incurred by Delayed Cross Section Drawings					*The Engineer asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated **23-05-2016 (Ref:16-060)*** **Contractor's substantiation awaited**
5	KKH-01/C-8 Cost of Damage to Loader	On 20/06/16, Contractor submitted his Cost details of the lost loader	9,010,118		-		*The principle of the Contractor's claim is disapproved. DHC letter - dated **9-Aug-2017.(Ref:028)*** ***Claim Disapproved***
6	KKH-01/C-9 Uchar Slope Collapse	On 05/06/2016 the Contractor motified claim for extension of time and additional cost due to Huge Slope Collapse at Uchar.					*The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated **20-07-2016 (Ref:16-086)*** **Contractor's substantiation awaited**
7	KKH-01/C-10 Stone Slide EOT	On 14/07/2016 the Contractor motified claim for extension of time and additional cost due to Huge Stone Slide at Barseen					*The Engineer acknowledged and asked the contractor to submit full and detailed particulars via* *DHC letter dated **04/08/2016 (Ref:16-100)*** **Contractor's substantiation awaited**
8	KKH-01/C-11 Dumping at Barseen EOT	On 02/09/2016 the Contractor motified claim for extension of time and additional cost due to difficulty in Dumping at Barseen Spoil Bank					*The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated **05-09-2016 (Ref:16-109)*** ***Contractor's substantiation awaited***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
9	KKH-01/C-12 Development of Crack near Barseen EOT	On 31/08/16, Contractor notified claim for Time and Cost Incurred by stoppage of work due to development of 40m Crack					The Engineer asked the contractor to submit full and detailed particulars. *DHC letter - dated* ***19-09-2016 (Ref:113). Contractor's substantiation awaited.***
10	KKH-01/C-13 Revised Drawings issuance and Cancellation	On 27/12/16, Contractor notified claim for Time and Cost Incurred due to Delay in Construction, Revised Design and instruction					The Engineer asked the contractor to submit full and detailed particulars. *DHC letter - dated* ***10-01-2017 (Ref:010). Contractor's substantiation awaited.***
11	KKH-01/C-14 Reducing of R.O. W, increase in gradient of slopes and change in alignment	On 08/01/18, Contractor notified claim due to the certain design changes owing to reducing the R.O.W, and change of alignment of works					The Engineer asked the contractor to submit full and detailed particulars *DHC letter - dated* ***10-01-2018 (Ref:007).*** ***Contractor's substantiation awaited***
12	KKH-01/C-15 Delays in provision of the NOC required for crushing plant	On 25/01/18, Contractor notified claim due to Employer's lack of assistance and delays in obtaining NOC's required for Crushing Plant.					The Engineer asked the contractor to submit full and detailed particulars *DHC letter - dated* ***29-01-2018(Ref:031).*** ***Contractor's substantiation awaited***
13	KKH-01/C-16 Vandalization of Contractor's Generator	On 06/08/18, Contractor notified Claim for Generator used for dust control at Shaal Area was found vandalized.					The Contractor was advised to submit contemporary records in support of your claim. *DHC letter - dated 0****9-Aug-2018 (Ref:138)****.* ***Contractor's substantiation awaited***
14	KKH-01/C-17 Claims on account of reduction in rate of work	On 03/09/18, Contractor notified Claim on account of non-payment of IPC No. 7.					The Contractor advised to clarify the extent to which he intends to reduce rate of progress. *DHC letter - dated* ***6-Sep-2018.*** ***Contractor's substantiation awaited***
15	KKH-01/C-18 Delayed Drawings or Instructions	On 16/05/19, Contractor notified claim for Stoppage of works at K5+743 and Issuance of revised drawings from K6+500 to K8+500 under the same GC Sub clause i.e. 1.9					*DHC letter - dated* ***20-May-2019 (Ref:152)*** ***Contractor's substantiation awaited***
16	KKH-01/C-19 Force Majeure-strike by 80 Members Dam Committee	On 08/10/19, Contractor notified Force Majeure that was instigated by the protest of the 80-Member Dam Committee. Works' stoppage period [18 Sep 19 to 4 Oct 19]					*DHC letter - dated* ***12-Oct-2019 (Ref:349)*** ***Contractor's substantiation awaited***
17	KKH-01/C-20 Interference due to other Employer's Contractor	On 05/12/19, Contractor notified - Delays due to interference from Employer's other Contractor pursuant to Sub-Clauses 2.3, 4.6, 20.1, & 8.4.					*DHC letter - dated* ***14-Dec-2019 (Ref:414)*** ***Contractor's substantiation awaited***
18	KKH-01/C-21 Claim due to outbreak of ·Corina Virus (2019-nCoV)	On 16/03/20, Contractor notified claim for Site progress delay caused by inconvenient material mobilization (Steel), purchasing and other impacting due to 2019-nCov under GC 19.4, 3.1, 13.7					*DHC letter - dated 8-April-2019 (Ref:077) and* ***24-July-2020 (Ref:167)*** ***Contractor's substantiation awaited***
19	KKH-01/C-22 Claim due to due to Shortage of Fuel	On 13/06/20, Contractor notified Intention to claim extension of time and additional cost due to shortage of fuel under Sub Clause 8.4 and Sub-Clause 19.4 of General Condition of Contracts.					*DHC letter - dated* ***29-June-2020 (Ref:145)*** ***Contractor's substantiation awaited***
20	KKH-01/C-23Demoblization of Labour belongs to Gilgit	On 28/03/21, the Contractor notified calim due to Demoblization of Labour belongs to Gilgit					*DHC letter - dated* ***1-Apr-2021 (Ref:063)Contractor's substantiation awaited***
21	KKH-01/C-24B Stoppage of work by dismissed employees and locals.	On 8/07/21, the Contractor notified calim due to stoppage of work by dismissed employees and locals.					*DHC letter - dated* ***24-Aug-2021 (Ref:147)*** ***Contractor's substantiation awaited***
22	KKH-01/C-24A IED Blast Incident	On 2/08/21, the Contractor notified calim due to stoppage of work due to IED Blast Incident					*DHC letter - dated* ***13-Aug-2021 (Ref:144)*** ***Contractor's substantiation awaited***
23	KKH-01/C-25 Increase in PST	On 17/12/21, the Contractor notified claim for additional cost due to change in legislation in KPK PST rate from 1% to 2%.					*DHC letter - dated* ***27-December-2021 (Ref:193)*** ***Contractor's substantiation awaited***
25	KKH-01/C-26 Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah	On 13/08/2022, the Contractor notified its intention to claim for Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah					*DHC letter - dated* ***31-August-2022 (Ref:134)*** ***Contractor's substantiation awaited***
26	KKH-01/C-27 Closure of KKH due to Flash Floods	On 28/08/2022 and 30/08/2022 the Contractor notified its intention to claim for additional cost and time due to closure of Karakoram Highway because of Flash Floods					*DHC letter - dated* ***01-September-2022 (Ref:135)*** ***Contractor's substantiation awaited***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
Details of Claims/Notifications of RAR-01 – Contractor CCECC							
1	RAR-01/C1-C4 Unfication of C-1 and C-4 Disruption and Delay in Site Possession		104,304,865		-		The Engineer's replied dated 20/07/2017. Principle of claim was approved. ***Contractor's substantiation for Additional cost awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.***
		On 13/01/19 Contractor submitted Price adjustment claim for period of Sep 2016 to Sep 2018	15,527,857				The Engineer forwarded his recommendation to the Employer *on 20-3-2019*. The WAPDA agreed in principle, however on basis *of actual additional cost instead of using Formulae. The Engineer asked the Contractor to submit detail claim EOT wise (19/12/19).* ***Contractor's substantiation awaited***
		The Contractor on 7-09-2022 and 14-10-2022 submitted the Inflation Claim for Section of Works K0 to K12.	366,166,698	399,480	275,168,491	181,613	*The Engineer made his determination on* ***27-Oct-2022*** *via* ***DHC letter DHC/DASU/WAPDA.RAR-01/PM/22-098*** ***Claim Paid***
		On 04/08/18 Contractor submitted claim for Reimbursement of Premium- Extension of Workman Insurance	2,873,330		2,578,930		The Engineer recommended Interim entitlements - *dated 13-Oct-2018.* The Employer agreed to include the Claim Cost 2,455,838 excludes the 'Profit,' in IPC. (dated Employer's letter 25-03-2020) ***Claim Paid.***
		On 08/04/19 Contractor submitted claim for 2nd Extension of Workman's Insurance	2,851,616		2,649,721		Engineer's assessment shared with both parties *on 28/05/19*. The Contractor partially agreed. The Employer has accorded formal approval as per insurer verified receipts i.e., Rs 2,523,554/- [DHC Ref: 115 dated 14-July-2020]. ***Claim Paid.***
		On 09/08/20 Contractor submitted claim for Extension of Workers Compensation (WC) Insurance Policy from 9th March 2020 to 8th March 2021	2,190,993				Engineer will proceed Sub-Clause 3.5 [Determinations], after the 4th EOT is accorded by the Employer and/or the Engineer completes its assessment on EOT. [31-Aug-2020].
		On 08/04/19 Contractor submitted claim for Extension of All Risk Insurance Works, Equipment and Third party liability	12,132,400		11,273,469		Engineer's assessment shared with both parties on *28/05/19*. The Contractor partially agreed. The Employer has accorded the formal approval as per the insurer verified receipts i.e., Rs 10,736,637 - [DHC Ref: 115 dated 14-July-2020]. ***Claim Paid.***
		On 18/05/19 Contractor submitted Claim - Extending the Advance Payment Guarantee and Perfonnance Guarantee	4,683,011	70,888.15	2,348,945.00	60,581.25	The Employer was requested to verify the supporting doc of the claim. *DHC letter - dated 1-Jun-2019 (Ref:161).* The additional contemporary record was provided by Contractor at end of August 2019. The Engineer shared his assessment with both parties on 29-Nov-2019. ***Awaiting the Employer's Response. [Contractor]***
		23-02-2022, Constractor's Cost claim regarding extension of Insurances and Guarantees	26,305,766	60,212.00	22,238,918.00	56,039.24	*the Engineer issued his assessment/determination on 12-04-2022*
		On 18th Sep 2022 and 18th Oct 2022, Contractor submitted the claim for additional management cost for delayed period.	253,941,282		165,844,406		*The Engineer provided his determination on 29th Dec 2022*
2	RAR-01/C-05 Force Majeure-Heavy Rainfal and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to haevy rainfal and land sliding (Force Majuere)					*The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 28-04-2016 (Ref:16-029)* ***Contractor's substantiation awaited***
3	RAR-01/C-6 Delayed Drawings EOT	On 19/05/16 Contractor notified claim for Time and Additional Cost Incurred by Delayed Cross Section Drawings					The Engineer asked the contractor to submit full and detailed particulars according to 1.9 "Delayed Drawings or Instructions" & 20.1 "Contractor's Claim". *DHC letter - dated: 24-05-2016* ***Contractor's substantiation awaited***
4	RAR-01/C-7 Stoppage of works by local people	On 9/10/2016 the Contractor notified claim for extension of time and additional cost due to stoppage of work at construction of retaining wall by local people					*The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 17-10-2016 (Ref:16-080)* ***Contractor's substantiation awaited***
5	RAR-01/C-8 Stoppage of work by local resident	On 31/07/2017 the Contractor notified claim for the extension of time and additional cost due to stoppage of campaction by local resident					*The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC*

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
							letter - dated 03-08-2017 (Ref:17-017) ***Contractor's substantiation awaited***
6	RAR-01/C-09 Force majeure linked to massive land sliding at K6.	On 07/03/19 Contractor notified claim for Extension and Additional Cost due to stoppage of works - Force majeure linked to massive land sliding at K6.					The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. *DHC letter - dated: 08-03-2019 (Ref:042)* ***Contractor's substantiation awaited***
7	RAR-01/C-10 Force Majeure - Heavy Rain	On 22/08/19 & 27/08/19 Contractor notified claim for Extension and Additional Cost due to Force Majeure-Heavy Rainfall					The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. *DHC letter - dated: 4-9-2019 (Ref:168)* ***Contractor's substantiation awaited***
8	RAR-01/C-11 Force Majeure-strike by 80 Members Dam Committee	On 08/10/19 Contractor notified claim for Force Majeure that was instigated by the protest of the 80-Member Dam Committee. Works' stoppage period [18 Sep 19 to 4 Oct 19]					*DHC letter - dated 12-Oct-2019 (Ref:202)* ***Contractor's substantiation awaited***
9	RAR-01/C-12 Claim due to outbreak of ·Corina Virus (2019-nCoV)	On 15/07/2020 Contractor notified claim for Site progress delay caused by inconvenient material mobilization (Steel), purchasing and other impacting due to 2019-nCov under GC 19.4, 3.1, 13.7					*DHC letter dated 24-July-2020 (Ref:124)* ***Contractor's substantiation awaited***
10	RAR-01/C-13 Claim due to due to Shortage of Fuel	On 13/06/20 Contractor notified claim for Intention to claim extension of time and additional cost due to shortage of fuel under Sub Clause 8.4 and Sub-Clause 19.4 of General Condition of Contracts.					*DHC letter - dated 29-June-2020 (Ref:104)* ***Contractor's substantiation awaited***
11	RAR-01/C-14 Damages Due to Massive Land Sliding	On 2/08.21, Notice of Claim - Damages Due to Massive Land Sliding Blocking of RAR-01					*DHC letter - dated 24-Aug-2021 (Ref:096)* ***Contractor's substantiation awaited***
12	RAR-01/C-15A 2021- Change in Legislation -KPK PST	on 17th Dec 2021, Notice of Claim- Increase in KPK provisional Slaes Tax.					*DHC letter- dated 27th Dec 2021 (Ref: 137)* ***Claim Registered***
13	RAR-01/C-15B Rainfal-Land Sliding and Blockage of RAR-01	On 3rd Sep 2021 the Contractor requested to register claim regarding Rainfal and landslidig as RAR-01/C-15					*DHC letter-dated 08-Sep-2021 (Ref:105)* ***Claim Registered***
14	RAR-01/C-16 Land and Social Issues of Komila Bypass	On 30 May 2022 the Contractor notified the claim for extension of time and additional cost due to delay in land aquisition and social issues on Komila bypass					*DHC letter-dated 02-June-2022 (Ref:054)* ***Claim Registered***
15	RAR-01/C-17 Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah	On 13/08/2022, the Contractor notified its intention to claim for Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah					*DHC letter - dated 31-August-2022 (Ref:076)* ***Contractor's substantiation awaited***
16	RAR-01/C-18 Closure of KKH due to Flash Floods	On 28/08/2022 and 30/08/2022 the Contractor notified its intention to claim for additional cost and time due to closure of Karakoram Highway because of Flash Floods					*DHC letter - dated 01-September-2022 (Ref:077)* ***Contractor's substantiation awaited***
Details of Claims/Notifications of TL-01 – Contractor PCCC							
1	TL-01/C-1Idle Cost Claim [Direct Cost]	On 14/02/18, Contractor submitted idle Direct cost claim for the period of 2-Nov-2015 to 31-Dec-2016	7,109,690		3,766,650		Employer's approval to pay in IPC recieved on **2-8-2019.*Claim Paid.***
		On 14/11/18, Contractor submitted idle Direct cost claim for the period of 1-Jan-2017 to 31-April-2018	2,676,159		1,736,075		Employer's approval to pay in IPC reieved on **5-8-2019.** ***Claim Paid.***
2	TL-01/C-1 Overhead Claim (Management, offices camp etc) - [Indirect Cost]	On 04/03/19, Contractor submitted Overhead Claim (Management, offices camp etc) - [Indirect Cost] claim for the period of June 2016 to March 2018	161,670,931		74,679,085		Employer's approval to pay recieved on **23-10-20.** ***Claim Paid.***
	TL-01/C-1 2nd Interim claim Overhead Claim (Management, offices camp etc) - [Indirect Cost]	On 04/03/19, Contractor submitted Overhead Claim (Management, offices camp etc) - [Indirect Cost] claim for the period of April 2018 to April 2020	149,088,173		119,786,095		Employer's approval to pay recieved on **31-1-22.** ***Claim Paid.***
	Chinese Staff's Social Insurance	On 06/07/20, Contractor submitted Chinese Staff's Social Insurance June 2016 to December 2019	65,054,640				***Contractor agreed that this claim to be considered alongwith other Management claim.***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
	3rd Interim Management Cost Claim for Social insurances of Chinese Staff	On 14/04/2022 the Contractor submitted his 3rd interim management cost claim for social insurances of Chinese Staff for the period of June 2016 to Dec 2019	32,602,984		28,843,299		***The Engineer sent his evaluation to the Employer for approval on 1-06-2022***
3	Tentative and Abortive Claim	On 18/07/20, Contractor submitted Tentative and Abortive Claim.					**DHC/Dasu/PCCC/TL-01/rar/21-049 dated 15th April 2021** the Contractor ***withdraw*** his claim
4	TL-01/C-2 Equitable Adjustment EoT	On 08/02/16, Contractor submitted Equitable Adjustment Claim.	18,988,060		-		Assessment of "No Entitlement" submitted to WAPDA, and suggested to reply to Contractor - *dated* ***23 February 2016. Claim Disapproved***
5	Reduction in rate of Progress	On 08/03/17, Contractor submitted Reduction in rate of Progress claim for period of 11/10/2016 to 17/02/2017.	27,860,000		-		Explanatory Note submitted to WAPDA on ***29 April 2017.*** ***Claim Disapproved***
6	TL-01/C-7 Care & Custody of Equipment	On 11/04/18, Contractor submitted claim of care and custody of Grid station and TL Equipment from Nov 2017 to 31st March 2018	7,632,186		444,645		Project Manager assessement submitted on **10-Jul-2018**. The Employer agreed with PM Assessement. Contractor replied on **12-11-19** that he did not agrred with PM assessment.
		On 18/02/19, Contractor submitted claim for Additional Charges for care & Custody of Grid Station Equipment from April 2018 to Nov 2018	2,393,313		227,025		Project Manager assessment submitted on ***3-Sep*-2019**. The Employer agreed with PM Assessement.Contractor replied on **12-11-19** that he did not agrred with PM assessment.
7	Extension of Insurance and Guarantee Policies	On 27/07/18, 15/11/2018 Contractor submitted claim for Additional charges - Extension of Insurance and Guarantee Policies	23,106,045		14,948,404		***Agreed and paid*** **GM/PD/DHPP/AD(C)TL-01/43B/9245-49 dated 15-11-2019**
		On 22/04/19, Contractor submitted claim for Additional charges - Extension of Insurance and Guarantee Policies			4,720,820		***Claim Paid*** **GM/PD/DHPP/Contracts/TL-01/43/6869-73 dated 1/12/2021**
8	Relocation of Tower route	On 14/01/19, Contractor's Notice of Claim with regard to Relocation of Towers					***DHC letter - dated 18-January-2019. (Ref:010)*** ***Contractor's substantiation awaited.***
9	Perceived Disruption to Excavation Work	On 28/02/19, Contractor notified Claim for Delayed land acquisition and ROW issues					***DHC letter - dated 3-March-2019 (Ref:043).*** ***Contractor's substantiation awaited.***
10	Price Adjustment for Market Inflation	On 18/02/19, Contractor submitted Claim for Price Adjustment as a result of market inflation during the extended period of work.	443,150,920		355,478,327		***Principle of Claim submitted DHC letter DHC/Dasu/PCCC/TL-01/cad/22-087 dated 29th May, 2022.*** ***Delay Analysis required by the Contractor*** ***Engineer provided assessment report on qunatification for agreement of both parties, on 6-1-2023 (23-005)***
11	Tl-01/C-8 Redesign and difficulty in execution of Grid Station	On 22/05/19, Contractor submitted Claim for Additional cost on account of redesigning of Grid Station.	47,157,647	3,898,986			The Project Manager ***issued Principle of claim and assessment***. **DHC/Dasu/WAPDA/TL-01/cad/22-052 dated 14th March 2022**
12	Change proposal initiated and then Suspended	On 18/11/19, Contractor submitted Claim- Design and Procurement Cost for Preparing the Change Proposal(CR-Tl-01-001). Change proposal was initiated by Employer in 2015 and suspended by the Employer in 2017.	695,700	4,094	Nill	4,094	***Agreed and paid*** **GM/PD/DHPP/Contracts/TL-01/43/6869-73 dated 2-12-202**1
13	Claim Documentation for Guarantee Charges Before Effective Date	On 20/03/20, Contractor submitted claim for Cost of maintenance of guarantees from issue date till to effective date	1,600,914				Contractor agreed in meeting to ***withdraw*** this case. [**Ref. DHC/Dasu/PCCC/TL-01/rar/21-002 dated 11 January 2021]**
14	Claim for Re-excavation/ Slide Removal from Year 2016-19	On 01/04/20, Contractor submitted claim due to continuous ROW issues the backfilling activity of the Contractor was interrupted. The contractor is submitting claim of re-excavation/ slide removal from year 2016 to 2019.	8,459,812				The Contractor agreed to ***withdraw*** this claim **Ref. letter # DHC/DASu/PCCC/TL-01-cad/22-054 dated 21Mard 2022**
15	Outbreak of Corona Virus (2019-nCoV)	On 02/04/20 Contractor notified Force Majeure under GC Sub-Clause 37.1 due to outbreak of COVID19.					***DHC letter - dated 15-April-2020*** ***Awaiting for Contractor's detailed submssion***
16	TL-01/C-09 Right of Way	On 10/04/20, Contractor notified Notice for Extension in Time due to RoW issue					***DHC letter - dated 18-April-2020*** ***Awaiting for Contractor's detailed submssion***
17	TL-01/C-10 Slow Progress by Land Owner's Labour	On 12/03/21, Contractor notified Notice for additional cost due to Slow Progress by Land Owner Labour hired to assist the Employer in resolving RoW issue					***PM replied via DHC/Dasu/PCCC/TL-01/CAD/22-015 dated 24th January 2022*** ***Awaiting for Contractor's detailed submssion***
18	TL-01/C-11 Transportation and	On 6th May 2021, the Contractor submitted a notice of calim regarding additional cost for the power transformer transportation and other associated costs					***DHC letter - dated 1st June-2021*** ***The Engineer registered the subject claim***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
	loading/unloading of Power Transformer						
Details of Claims/Notifications of DASU-MW-01 – Contractor CGGC							
1	MW-01/C-01 Claims for Additional Cost and Time due to delay of Land Handing Over	Contractor submitted 14 nos. of Interim submissions from Jun 23 2017 to Aug 31 2020. First submission was submitted on 18-Aug-2017			-		*The Engineer's replied dated **26 September, 2017**. Principle of claim was approved. Contractor's substantiation for Additional cost and EOT awaited. Contractor provides expense record in interim submissions with out establishing+H91+H89:I92+H89:I93+H8+H89:I117*
		Contractor submitted prolongation claim on 14-06-2022 at cut-off date 14-07-2021	8,115,076,911	77,805,148			*Arranged a discussion meeting with the Contractor's personnels and asked for required substatial documents in support of the claim* *The Engineer Is working on Principle of Claim. Target date is 30-Nov-22*
2	MW-01/C-02Adjustment to Contracts Price due to change in legislation **(Withholding Tax)**	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in the Income Ordinance (2001). Contractor submitted Claim notification dated 22/12/2017.					*Engineer replied on **29-Oct-2019** and **23-Dec-2019**, asked the Contractor to submit additional supporting data for the Engineer to comment on principle of claim. **Additional documents are awaited to determine Time bar implication.***
3	MW-01/C-03 Disruption Claim - [Work Hindrance by Local Residents]	Contractor submitted on [24/07/2020] first Interim disruption Claim for the Period up to Jan 2019	48,630,356				***Engineer's pricncple of claim sent on 12-01-2021***
		Contractor again submitted on interim claim on 14-06-2022 due to disruption of local people upto Jan 2019	3,480,934	33,374			*Engineer replied on **05-07-2022** with comments and asked for additional substantial documents in support of the claim* *On **1-Aug-2022,** the Contractor was once again asked to provide additional substatial documents. **Contractor's Response awaited***
4	MW-01/C-04 Damage to Contractor's Industrial Water Pipe due to unexpected Mud-Rock Flow in Uchar Area	On [18/08/2018], Contractor submitted his claim for Damage to Contractor's Industrial Water Pipe due to Unexpected Mud-Rock Flow in Uchar					*The Engineer, on **20-09-2018**,assessed and replied that the principle of the Contractor's Claim is disapproved pursuant to 19.4.* ***Claim denied.***
5	MW-01/C-05 Work hindrance by Local Residents	The Contractor submitted his claim notifications on 05/09/2018 and 29/10/2018 for additional cost and EOT due to strike by local residence.					*The Engineer replied that the strike was done by Contractor's own employees. Without admitting Employer's liability, the Engineer asked, on **5-11-2018 (Ref:442)**, the Contractor for the submission of detail claim. **Contractor's substantiation awaited.***
6	MW-01/C-06 Delay in Issuance of Drawings	The Contractor notified the intent to claim due to delay in the review of shop drawings [29/10/2018]					*Engineer Replied on **5-11-2018 (Ref:443)*** ***Contractor's substantiation awaited.***
7	MW-01/C-07 Provision of Electricity	The Contractor's intention to claim due to non provision of Electricity [26/02/2019]					*Engineer Replied on **18-03-2019** . The Contractor is fully responsible for the provision of electricity.* ***Claim denied.***
8	MW-01/C-08 Work Stoppage due Landslide Incident	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - Contractor submission on 16/02/2019 and 17/04/2019.	37,280,470				*Replied on **18-03-2019** and **17-05-2019**. The formal notice of your intention to claim was provided outside of the 28 days' time-bar.* ***Claim denied.***
		The Contractor submitted a revised claim on 14-06-2022 after DB's decision	5,049,342	48,412			*Replied on **05-07-2022** and asked for additional substantial documents in support of the subject claim.* ***Contractor's response is awaited***
9	MW-01/C-09 Change in Legislation Additional (**Custom Duty**/Tax on Import of Goods)	On 18/08/2019, Contractor Claim under a Change in Legislation due to the levy of additional customs duties and regulatory duties on the importation of Goods. Contractor submitted Interim Claim No 2 (Feb 2019 to Dec 2019) - dated 23/08/2020.	56,780,851	404,333			***Principle of claim** issued -**DHC/Dasu/CGGC/MW-01/cad/21-491 dated 17th Nov 2021***
		The Contractor on 14-06-2022 submitted claim for additional charges due to increase in various import taxes, at the cut off date 31 Dec 2019	54,369,672	521,282			***Response submitted** via DHC/Dasu/CGGC/MW-01/CAD/22-459 dated 12-09-2022* ***Additional substatiation is awaited***
		The Contractor on 08-09-2022 submitted claim for additional charges due to increase in various import taxes, from Jan 2020 to Dec 2021					*The Engineer responded on **12-Sep-2022** reiterating his stance as given in the Principle of Claim issued on **17-Nov-2021** and asked the Contractor to submit the Claims in accordance with the Principles* *The Engineer and the Contractor had a consultation meeting on **15-Oct-2022** and Contractor agreed to provide the working as per Engineer's Principles of Claim. **Evaluation report sent for agreement of both parties on 8-01-2023 (Ref:23-019)***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
10	MW-01/C-10 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to "Force Majeure- strike by 80 Members Dam Committee" - [13/10/2019]					*The Engineer replied on* ***25-Oct-2019.*** ***CGGC/MW-01/CD/DHC-510 dated 29th October 2019*** ***DHC/DASU/CGGC/MW-01/you/19-401 dated 2-Nov-2019*** ***EOT Claim to be considered in revised time for variation***
11	MW-01/C-11 Unforeseeable Cost due to Co-operation	On 04/09/2020, Contractor submitted first Interim Claim for the Period up to Dec 2018	10,280,007				*Engineer's pricncple of claim sent on* ***12-03-2021***
12	MW-01/C-12 Outbreak of Corina Virus (2019-nCoV)	Contractor submitted nos. of interim Direct Cost claim for the Period up to 31 Jan 2021					The Engineer provided detailed response on **9/10/20.** Only EOT may be acceptable. Cost is Contractor's risk under Contract. ***Principle of Claim denied.***
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 7-06-2022					***Claim Denied*** ***DHC/Dasu/CGGC/MW-01/CAD/22-502 dated 22-09-2022***
		The Contractor submitted interim claim of direct cost due to covid-19 on 09-07-2022, 25-09-2022 and 27-09-2022					*The Engineer replied on* ***30-Sep-2022*** ***Claim Denied***
13	Claim for Crusing Plant and Batching Plant	Contractor submitted detail claim on 4-09-2019					*The payment made in IPCs on pro-rata basis.*
		The Contractor submitted revised claim on 12-04-2022	412,817,975	3,957,986			*Engineer on* ***24-06-2022*** *sbmitted* ***Principle of Claim***
14	MW-01/C-13 Firing incident at River Diversion inlet area	Contractor submitted detail claim on 22-03-2021	224,592,226				Engineer Replied on **25-02-2021 (Ref:090).** .
		The Contractor submitted revised claim on 14-06-2022	25,163,812	241,264			*Engineer's* ***Principle of Claim*** *sent* ***on 30-08-2022*** *Contractor has been asked to resubmit the claim* ***Contractor's Entitlement to claim accepted under Sub-Clause 8.8 and 8.9***
15	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					*Engineer's pricncple of claim sent on* ***26-03-2021*** ***Principle of Claim denied.***
		The Contractor submitted revised claim on 14-06-2022	6,822,489	65,412			*Engineer's pricncple of claim sent on* ***05-07-2022*** ***Principle of Claim denied.***
16	MW-01/C-14 Claim regarding 14-July Blast incident	On 24/07/21, Contractor notified claim due 14-July Blast incident	1,174,806,795	11,263,728			Engineer Replied on **12-08-2021 (Ref:358).** ***Contractor's substantiation awaited. Engineer evaluated EOT of 103 days on 1-1-2023 (Ref:23-001) Further Engineer will issue the Principle of claim after evaluating the Prolongation Claim***
17	MW-01/C-15Amended Reinforcement Design	On 20/03//2022, the Contractor notified its itnent to claim due to amended reinforcement design					*DHC letter - dated* ***09-April-2022 (Ref:144)Contractor's substantiation awaited.***
18	MW-01/C-16 Flood in Uchar Nullah	On 31/07/2022 and 10/08/2022, the Contractor notified its itnent to claim due to Flood in Uchar Nullah					*DHC letter - dated* ***15-August-2022 (Ref:402)*** ***Contractor's substantiation awaited.***
19	MW-01/C-17 Natural Catastrophe	On 27/08/2022, the Contractor notified its itnent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					*DHC letter - dated* ***05-September-2022 (Ref:441)*** ***Contractor's substantiation awaited.***
Details of Claims/Notifications of DASU-MW-02 – Contractor CGGC							
1	MW-02/C-01 Claims for Additional Cost and Time due to delay of Land Handing Over	Contractor submitted 14 nos. of Interim submissions from Jun 23 2017 to Aug 31 2020. First submission was submitted on 18-Aug-2017			-		*The Engineer's replied dated* ***28 September, 2017*** *on principle of claim, and provided detail comments on contemporary records .* ***Principle of claim approved.*** *Contractor's substantiation for Additional cost and EOT awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.*
		The Contractor submitted prolongation cliam at cut-off date 14-07-2021	5,191,161,238	49,771,488			*Arranged a discussion meeting with the Contractor's personnels and asked for required substatial documents in support of the claim* *The Engineer is working on Principle of Claim. Target date is 30-Nov-22*
2	MW-02/C-02 Additional Cost due to Change in Legislation	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in the Income Ordinance (2001). Contractor submitted Claim notification dated 22/12/2017.					*Engineer asked the Contractor to submit additional supporting data for the Engineer to comment on principle of claim.* ***Additional documents are awaited to determine Time bar implication.***
	MW-02/C-03 Effective access to PTDC camp area	The Contractor on 23-01-2018 submitted claim due to prevention of effective acces to PTDC camp area resulting stoppage of work.					*Engineer registered the claim as MW-02/C-03 for future correspondenses*

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
4	MW-02/C-04 Delay in Issuance of Drawings	The Contractor has notified the intent to claim due to delay in the review of shop drawings - [29/10/2018]					*The Engineer **(date 5 Nov. 2018**) replied.* ***Contractor's substantiation awaited.***
5	MW-02/C-05 Provision of Electricity	The Contractor's intention to claim due to non provision of Electricity - [26/02/2019]					*The Contractor is fully responsible for the provision of electricity* ***[Ref: date 18-March-2019]*** ***Claim denied.***
6	Work Stoppage due to Landslide Incident	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - [17/04/2019]	18,371,545				*Formal notification of the Contractor's intention to claim was provided outside of the 28 days' time-bar-* ***[Ref: date 8-May-19] Claim denied.***
		The Contractor submitted revised claim on 14-06-2022	3,625,362	34,759			*The Engineer submitted **principle of claim** on **5-07-2022.*** ***Claim Denied***
7	MW-02/C-06 Landslide Incident at Khoshe Labour Camp	Notice of Intent to Claim - Landslide Incident at Khoshe Labour Camp - [26/06/2019]					*Engineer replied dated **27-Jul-2019] (Ref:126)*** ***Contractor's substantiation awaited.***
8	MW-02/C-07 Additional Tax on Import of Goods	On 18/08/2019, Contractor Claim under a Change in Legislation due to the levy of additional customs duties and regulatory duties on the importation of Goods. Contractor submitted Interim Claim No 2 (Feb 2019 to Dec 2019) - dated 23/08/2020.	34,965,138	193,215			***Principle of claim issued -DHC/Dasu/CGGC/MW-02/cad/21-215 dated 25th Nov 2021***
		The Contractor submitted revised claim on 14-06-2022 for various charges due to increase in Import taxes, at cut off date 31-Dec-2019	30,284,297	290,358			*The Engineer responded on 12-Sep-2022 reiterating his stance as given in the Principle of Claim issued on 17-Nov-2021 and asked the Contractor to submit the Claims in accordance with the Principles*
		The Contractor submitted revised claim on 08-09-2022 for various charges due to increase in Import taxes, from Jan 2020 to Dec 2021					***The Engineer and the Contractor has a consultation meeting on 15-Oct-2022 and Contractor agreed to provide the working as per Engineer's Principles of Claim. The Egnineer provided assessment report for agreement of both parties on 8-01-2023 (Ref:23-009)***
9	MW-02/C-08 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to “Force Majeure- strike by 80 Members Dam Committee” - [13/10/2019]					*The Engineer replied on **25-Oct-2019*** ***CGGC/MW-02/CD/DHC-306 dated 291h October 2019*** ***DHC/DASU/CGGC/MW-02/you/19-207 dated 2- Nov 2019*** ***EOT Claim to be considered in revised time for variation***
10	MW-02/C-09 Unforeseeable Cost Due to Co-operation	On 04/09/2020, Contractor submitted first Interim Claim for the Period up to Dec 2018	8,418,715				***Engineer's pricncple of claim sent on 12-01-2021*** ***Claim Denied***
11	MW-02/C-10 Outbreak of Corona Virus (2019-nCoV)	Contractor submitted nos. of interim Direct Cost claim for the Period up to 31 Jan 2021					*The Engineer provided detailed response on 12/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract.* ***Principle of Claim denied.***
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 7-06-2022					***Claim disapproved via Engineer's correspondence dated 30-Sep-2022***
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 25-09-2022					
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 27-09-2022					
12	LNG Tank Accident - Barseen	Contractor's claim for the idle time as a result of the overturned LNG tank at the Barseen camp - [05/04/2020]	1,028,691				*Engineer approved **principle of Claim** on **28-09-2020** . Asked the Contractor to substantiate actual additional Cost.*
		The Cnotractor submitted revised claim on 14-06-2022	1,141,280		487,984		***The Engineer submitted determination on 02-12-2022*** ***Claim Paid***
13	MW-02/C-11 Firing incident at River Diversion inlet area	Contractor submitted detail claim on 22-03-2021	143,164,727				*Engineer Replied on **25-02-2021 (Ref:039)*** ***Under Review by the Engineer***
		Contractor submitted revised claim on 14-06-2022	17,330,619	166,161			*Engineer's **Principle of Claim** sent on **03-09-2022*** *Contractor has been asked to resubmit the claim.* ***Contractor's entitlement to Claim accepted under Sub-Clause 8.8 and 8.9***
14	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					*Engineer's pricncple of claim sent on **26-03-2021Principle of Claim denied.***
		The Contractor submitted revised claim on 14-06-2022	1,514,864	14,524			*The engineer submitted **Principle of claim** on **5-07-2022.*** ***Claim Denied***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
15	MW-01/C-12 Claim regarding 14-July Blast incident	On 24/07/21, Contractor notified claim due 14-July Blast incident	607,523,703	5,824,772			*Engineer Replied on 12-08-2021 (Ref:144).* ***Engineer evaluated 103 days EOT on 1-1-2023 (Ref:23-001) The Engineer wil issue the Principle of Claim after evaluating Prolongation claim.***
16	MW-02 Disruption Claim - [Work Hindrance by Local Residents]	Contractor submitted on [24/07/2020] first Interim disruption Claim for the Period up to Jan 2019	2,105,168				***Engineer's pricncple of claim sent on 14-01-2021.*** ***Claim Denied.***
		The Contractor submitted revised claim on 14-06-2022	76,250	731			***The Engineer respond on 05-07-2022 and disapproved the claim***
17	MW-02/C-13 Flood in Uchar Nullah	On 31/07/2022 and 10/08/2022, the Contractor notified its itnent to claim due to Flood in Uchar Nullah					*DHC letter - dated* ***15-August-2022 (Ref:336)*** ***Contractor's substantiation awaited.***
18	MW-02/C-14 Natural Catastrophe	On 27/08/2022, the Contractor notified its itnent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					*DHC letter - dated* ***05-September-2022 (Ref:372)*** ***Contractor's substantiation awaited.***
Details of Claims/Notifications of DASU-LBRV-11 – Contractor Zhongmei							
1	LBRV-11/C-01 Perceived Delay in the Issuance of Construction Drawings	On 07/01/19, Perceived Delay in the Issuance of Construction Drawings, January 2019					Replied on ***6-Feb-2019 (Ref:033)***
2	LBRV-11/C-2U Unified the Work stopage's claim nos. C-02, C-03, C-04, C-05 under LBRV-11/C-2U *dated 20-09-2019*	On 03/03/19, Contractor submitted Idle Cost Claim Works' stoppage linked to land acquisition issues	22,075,487		2,530,207		*Received Employer's approval via letter No. GM/PD/DHPP/Contracts/LBRV-11/71/13196-13200 dated 06-10-2022*
3	LBRV-11/C-06 Extension of Guarantees	On 31/05/19, Contractor submitted Claims for Additional Costs for extending performance & advance security					Replied on*10-Jun-2019 (Ref:102&108)*
4	LBRV-11/C-07 Suspension of Works and unforeseeable physical conditions	On 11/09/19, Contractor submitted Notice of Claim - Unforeseeable Man-Made Physical Obstructions and Suspension of Works at RD 0+ 730 on Khoshe Site-1 Permanent Access Road					The responsibility for the safety-related issues rests with the Contractor. Hence, Sub-Clause 4.12 [Unforeseeable Physical Conditions] seems irrelevant under the prevailing Site conditions. ***DHC letter 21-Sep-2019 (153). Contrractor's letter: 21-Oct-2019 DHC's letter: 29-Oct-2019***
5	LBRV-11/C-08 Claim due to outbreak of Corona Virus (COVID-19)	On 28/03/20, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure].					Engineer replied *dated* ***8-April-2020 (Ref:044)***
6	LBRV-11/C-09 Idle Cost Claim and Extension of Time due firing incidence at Logro Tunnel	On 11/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.	1,068,116.00		256,280.00		**Claim certified in IPC #12 [13th October 2022]**
7	LBRV-11/C-10 Idle Cost Claim and Extension of Time due work stoppage by locals	The Contractor has submitted monthly interim claims from March 2021 to October 2021 . The Engineer on the Contractor's request has unify these claims and called as 1st interim calim	16,309,614		5,311,025		The Engineer issued his assessment on **13th December 2021**. The Contrctor shared his consent on **16th Dec 2021.**
		2nd Interim Claim. From November 2021 to February 2022	3,502,800		3,444,420		The Engineer has issued his assessment to both the Parties on **16th March 2022** for their consent. The Contractor has submitted his consent on **19th March 2022**.
8	LBRV-11/C-11 Prolongation Cost Claim for 1st Extension of Time due to non possession of sites	on 2nd May 2021, Contractor has submitted prolongation cost claim for 1st interim Extention of Time (EOT) from 26th Dec 2019 - 4th Dec 2020	319,093,549		4,083,592		**Claim regarding extending the insurances guarantees certified in IPC #12 [13th October 2022]**
					20,714,333		*The Engineer issued his assessment to the Employer and to the Contractor on* ***19-12-2022***
8	LBRV-11/C-13 Cosr Claim for the recovery of Loss	on 5th March 2022, the Contractor has submitted notice of claim related to the cost claim for the recovery of loass due to the omision of Works under LBRV-11					The Engineer on 9th March 2022 acknowledged the Contractor's notice of claim and instructed him to follow strictly the time line for the submission of detailed claim.
9	LBRV-11/C-14 Cosr Claim for the change in legislation (PST)	the Employer served a notice to claim to the Contractor on 13-12-2022					The Engineer registered the claim on 11-01-2023.
Details of Claims/Notifications of DASU-LBRV-12 – Contractor Zhongmei							
1	LBRV-12/C-01 Rock Fall Incident at Zero Point	On 20/06/19, Contractor notified Claims for Additional Costs and Time due to a suspension of the Works on account of a Rock Fall Incident at ZeroPoint					*Engineer replied on* ***11-Feb-2019 (Ref:016).*** *No further particulars submitted by the Contractor to date*

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
2	LBRV-12/C-02 Nasirabad-2 Site's Access Road	On 18/03/19, Contractor notified Claim -Due to Stoppage Work at Nasirabad-2 Site's Access Road					*Employer accorded approval to pay in **IPC 23-8-2022*** ***Claim Paid***
3	LBRV-12/C-02a Nasirabad-1 & 2 Site's Access Road	on 22/09/2019 Contractor notified Claim -Due to Stoppage Work by 80 member dam committee at Nasirabad-1&2 Sites.	1,341,148.80		547,679		*Employer accorded approval to pay in **IPC 22-12-2021*** ***Claim Paid***
4	LBRV-12/C-03 Extension of Guarantees	On 31/05/19, Contractor notified Claim for Additional Costs for extending performance & advance security					*Engineer replied dated **10-Jun-2019 (Ref:043 & 044)*** *This claim has merged in "LBRV-12/C-06*
5	LBRV-12/C-04 Claim due to outbreak of Carona Virus (COVID-19)	On 28/03/20, Contractor notified Force Majeure under Sub-clause 19.2 [Notice of Force Majeure].	Nill	Nill	Nill	Nill	*Engineer replied dated **8-April-2020 (Ref:044)***
6	LBRV-12/C-05 Idle Cost Claim and Extension of Time due firing incidence at Logro Tunnel	On 11/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.	516,020.00		186,077.00		*Employer accorded approval to pay in **IPC 26-6-2022*** ***Claim Paid***
7	LBRV-12/C-06 Prolongation Cost Claim for 1st Extension of Time due to non possession of sites	on 2nd May 2021, Contractor has submitted prolongation cost claim for 1st interim Extention of Time (EOT) from 26th Dec 2019 - 7th Nov 2020	265,758,451.00		6,951,054.00		*The Engineer assess the cost for extending the project insurances and guarantees .* *Employer accorded approval to pay in **IPC 26-6-2022*** ***Claim Paid***
					17,234,706.00		*The Engineer issued his assessment to the Employer and to the Contractor on **19-12-2022***
8	LBRV-12/C-07 Delay in issuance of Drawings	The Contractor on 5th August 2021, has submitted a 1st, 2nd and 3rd interim claim regarding the non issuance of constructions drawings of mosque due to dely in finalization of Mosque location.					*The principle of claim has been forwarded to the Contractor and to the Employer on **20th Sep 2021***
9	LBRV-12/C-08 Cosr Claim for the recovery of Loss	on 5th March 2022, the Contractor has submitted notice of claim related to the cost claim for the recovery of loass due to the omision of Works under LBRV-12					*The Engineer on **9th March 2022** acknowledged the Contractor's notice of claim and instructed him to follow strictly the time line for the submission of detailed claim.*
10	LBRV-12/C-09 Cosr Claim for the change in legislation (PST)	the Employer served a notice to claim to the Contractor on 13-12-2022					*The Engineer registered the claim on 11-01-2023.*
Total Additional Cost			***267,615,620***	***-***	***24,919,516***	***-***	
Details of Claims/Notifications of DASU-PCI-01R – Contractor CGICOP							
1	PCI-01R/C-01 Works' stoppage linked to land acquisition issues	On 18/06/19, Contractor Notice of Claim -Works' Stoppage at the Choochang Colony Site-Batching Plant Location					*Maintain contemporary records in support of your claim and follow the timeline for the submission of any claims as per the Contract.* *The Engineer's letter dated **22-Jun-2019 (Ref:061)*** *Notice of Claim has been acknowledged.* ***Waiting for the Contractor's Submission***
2	PCI-01R/C-02 Delay in issuance of Drawings	On 03/09/19, Contractor claim Extension of time for delay in issuance of construction drawings. July 1st 2019 to Aug. 22 2019	183,457,765				*Engineer considers that the late issuance of construction drawings of residence category 1 &2 didn't cause any impacts on the Works. The Engineer replied on **26-Aug-2019 (Ref:113), and 29-Aug-2019 (Ref:118)** The Engineer replied on **27-Sep-2019 (147)*** *The Contractor's submission only signifies the provision of cost records for expenses. The Engineer submited the Project's Manager explanatory note on **5th August 2021*** ***Particulars not yet submitted by the Contractor***
3	PCI-01R/C-03 Works' stoppage linked to land acquisition issues	On 04/09/19, Contractor claim - Works' Stoppage by House owner in portion-2 near Cat-2 Hostels - 25 July 2019 to 31 August 2019	127,265,692				*Maintain contemporary records in support of your claim and follow the timeline for the submission of any claims as per the Contract.* *The Engineer's letter dated 26-Aug-2019 (Ref:110)* *The Engineer replied on 27-Sep-2019 (147)* *The Contractor's submission only signifies the provision of cost records for expenses. **Waiting for the Contractor to submit record to substantiatehis claim***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
4	PCI-01R/C-04 Claims for Additional Time due to a Works' stoppage linked to Rainfall	On 07/11/19, Contractor submitted notice claim notice due to Construction Works at the site has been stopped due to exceptionally adverse climatic conditions, and inclement rainfall started on 51h November 2019 and continued till 71h November 2019					*The Engineer replied on 14-11-2019* *Notice of Claim has been acknowledged.* ***Waiting for the Contractor's Submission***
5	PCI-01R/C-05 Claim due to outbreak of corona Virus (COVID-19)	On 16/04/20 and 16/05/20, Contractor submitted two interim claim notice for Coronavirsu Force Majeure that lockdown in parts and parcels, causing major deficiency in supply & transport of materials and manpower required for the Project.					***Principle of Cost Claim rejected dated 25-July-2020 (Ref:244)***
6	Additional Test-Petrographic	On 04/06/20, Contractor submittted EOT and Cost plus profit	462,483				***Principle of Claim was rejected dated 7-July-2020 (Ref:229)***
7	PCI-01R/C-06 Claim due to shortage of Fuel	On 25/06/20, Contractor submitted claim notice for extra time and additional Cost due to unavailability of Fuel under Sub-Clause 19.4 read with SubClause 20.1.					*Notice of claim has been acknowledged via Engineer dated* ***29-June-2020*** ***waiting for the Contractor's submission***
9	PCI-01/C-07 Notice of Force Majeure due to firing incident at Logro Tunnel	On 13/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.					*Engineer acknowledge the reciept of notice on* ***23-Feb-2021 (Ref: 079)*** *and requested the Contractor to submit detailed particulars to substantiate his claim.* ***Waiting for the Contractor's submission***
10	Contractor's cost claim for newnewal insurance policies	Contractor's cost claim for newnewal insurance policies for the extended period of time	10,304,710				*The Engineer provided his response via letter No.* ***DHC/Dasu/CGICOP/PCI-01R/CAD/22-248 dated 28-Sep-2022***
11	PCI-01R/C-08 KKH Road Blockage						
12	PCI-01R/C-09 Employer's Claim regarding Change in Legislation (PST)	The Employer served a notice to claim to the Contractor on 9-12-2022					*The Engineer registered the claim on 11-01-2023.*
Total Additional Cost			***311,185,940***	-	-	-	
Details of Claims/Notifications of DASU-RV – Contractor KGL							
1	RV/C-01 Works' stoppage linked to land acquisition issues at Additional Choochang Sites	On 24/12/19, Contractor notified Claim for Additional Costs and Time due to a Works' stoppage linked to land acquisition issues with original landowners at Additional Choochang Sites					*Maintain contemporary records in support of your claim and follow the timeline for the submission of any claims as per the Contract.* *The Engineer's letter dated* ***28-Dec-2019***
2	RV/C-01 Works' stoppage by the original landowners at Shatial Museum Site	On 14/01/20, Contractor notified Claim for Additional Costs and Time due to a Works' stoppage by the original landowners at Shatial Museum Site					*The Engineer's letter dated* ***22-Jan-2020***
3	RV/C-03 Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	On 29/09/20, Contractor submitted claim for Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	38,780,332		4,108,731		*Project Manager shared his assessment to the Employer and to the Contrctor on* ***24-05-2022.*** *After various consultation meeting with the Contractor, the revised Project Manager's assessment report has shared with the Employer and the Contractor on* ***29-Oct-2022***
4	RV/C-04 Coronavirus	On 09/04/20, Contractor notified Corona Virus Pandemic affecting its material transportation. Which delays the progress of Works' at the site and resultantly affecting the completion of the project.					*The Engineer's letter dated* ***29-April-2020***
5	RV/C-05 Prolongation Cost Claim for 1st Extension of Time due to non possession of sites	on 21st September 2021, Contractor has submitted prolongation cost claim for 1st interim Extention of Time (EOT) from 26th Dec 2019 - 7th Nov 2020	89,480,364				*The Engineer's commented on the Contractor's submission dated* ***14-October-2021.*** *The Contracor has withdraw his claim and re-submitted it on* ***29th March 2022.***
6	RV/C-06 Hindrance at Site and Non Issuance od Drawing, Masjid Location and Non-Approval of Extension of Time	on 26 October 2021, Contractor has submitted Early Warning under Clause 31 and provided his intention to claim under Clause 27 & 42					*The Engineer's on* ***09-November-2021*** *registered the claim and requested the contractor to maintain and submit contemporary record regard the events.*
Details of Claims/Notifications of EM-01 – Joint Venture (GE-PC JV)							
1	EM-01/C-01 Potential Impact of Covid-19 Outbreak	On 17/08/2021 the Contractor requsted the Employer to register the claim for extension of time and additional cost due to potential impact of Covid-19 outbreak					*The Project Manager registered the claim on 14-April-2022* ***Contractor's Submissions are awaited.***

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
2	EM-01/C-02 Delay in Land Handover for Site Camp	on 12-12-2021 the Contractor submitted 6th interim claim for extension of time and additional cost due to delay in land handover for the Contractor's site camp	23,598,372				*DHC letter - dated 10-May-2022 (Ref:112)* *DHC letter- dated 10-Nov-2022 (Ref:389)* *DHC letter- dated 6-Dec-2022 (Ref:420)* ***Claim denied***
3	EM-01/C-03 Change in Law and Regulations under the Contract	On 9-05-2022 the Contractor notified claim for additional cost due to change in law and regulations under the Contract					*The Project Manager, on 23-06-2022, assessed and replied that the principle of the Contractor's Claim is disapproved pursuent to GC Sub-Clause 45.1* ***Claim denied.***
4	EM-01/C-04 Temporary Fencing and ground Leveling	On 28-04-2022 the Contractor notified the claim for additional cost due to providing temporary fencing and ground leveling on site.					The Project Manager, on 22-06-2022, assessed and replied that the principle of the Contractor's Claim is disapproved pursuent to GC Sub-Clause 45.1 ***Claim denied.***
5	EM-01/C-05 Right of Way	On 18-08-2022 the Contractor notified claim due to right of way inssues at EM-01 site camp construction.					*The Project Manager registered the claim on 25-August-2022* ***Contractor's Submissions are awaited.***
6	EM-01/C-06 Change of Coordination Events	On 5th Nov 2022 the Contractor notified the claim for extension of time due to change in coordination events.					***Explainatory note for the Employer has been submitted vide letter DHC/Dasu/WAPDA/EM-01/CAD/22-431 dated 13-12-2022.*** ***Wherein the principle of Claim accepted.*** ***Contractor's Submission is awaited***
7	EM-01/C-07Delay in Generation of Financial Instrument (FI) Number by the Employer's Bank	On 6th Dec 2022 the Contractor notified the claim for extension of time and additional cost vide letter Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0457.					***The Contractor's Submission is awaited***
8	EM-01/C-08 Temporary Storage Cost at Ghazi Brotha	On 6th Dec 2022 the Contractor notified the claim for and additional cost vide letter Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0449.					***The Contractor's Submission is awaited***
Details of Claims/Notifications of RAR-02 – Contractor CGGC							
1	RAR-02/C-01 Work Stoppage by Locals	On 3-06-2022 the Contractor notified the claim for additional cost and extension of time due to stoppage of work by locals					The Engineer registered the claim on 9-June-2021 ***Contractor's Submissions are awaited.***
2	RAR-02/C-02 14 July Blast Incident	On 24-07-2021 the Contractor notified the claim for additional cost and extension of time due to 14 july 2021 incident					The Engineer registered the claim on 12-Aug-2021 *DHC letter - dated 30-May-2022 (Ref:047)* ***Contractor's Submissions are awaited.*** ***Engineer evaluated 103 days EOT on 1-1-2023 (Ref:23-001)***
3	Notice to Claim due to Lack of Fuel	On 10-05-2022 the Contractor notified the claim for additional cost and extension of time due to lack of fuel					*DHC letter dated 12-May-2022 (Ref:037)* ***Claim Denied***
4	RAR-02/C-04 Influence of Covid-19 Outbreak	On 30-08-2021 the Contractor notified the claim for additional cost and extension of time due to Covid-19 influence					The Engineer registered the claim on 17-Sep-2021 ***Contractor's Submissions are awaited.***
5	RAR-02/C-5 Flood in Uchar Nullah	On 10/08/2022, the Contractor notified its itnent to claim due to Flood in Uchar Nullah					*DHC letter - dated 15-August-2022 (Ref:071)* ***Contractor's substantiation awaited.***
6	RAR-02/C-6 Natural Catastrophe	On 27/08/2022, the Contractor notified its itnent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					*DHC letter - dated 05-September-2022 (Ref:077)* ***Contractor's substantiation awaited.***
Details of Claims/Notifications of KKH-02 – Contractor CGGC							
1	KKH-02/C-01 Delay in Handing Over	On 01/06/2022 the Contractor notified the claim for additional cost due to delay in handing over of the land					*DHC letter - dated 06-June-2022 (Ref:059)* ***Contractor's substantiation awaited.***
2	KKH-02/C-02 Occupation of Contractor's Dormitories by Army Personnel	On 04/08/2022, the Contractor notified its intent to claim due to occupation of its Pakistani staffs' dormitories by the Army Personnel					*DHC letter - dated 10-August-2022 (Ref:097)* ***Contractor's substantiation awaited.***
3	KKH-02/C-3 Flood in Uchar Nullah	On 18/08/2022, the Contractor notified its itnent to claim due to Flood in Uchar Nullah					*DHC letter - dated 05-September-2022 (Ref:105)* ***Contractor's substantiation awaited.***
4	KKH-02/C-4 Natural Catastrophe	On 29/08/2022, the Contractor notified its itnent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					*DHC letter - dated 05-September-2022 (Ref:106)* ***Contractor's substantiation awaited.***

APPENDIX H
Variation Status

Appendix H: Variations Status

Status of Variation Orders for RAR-01

Sr. No.	VO Descrition and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Security Building	9,155,532		9,155,532	Not executed because Land Possession was not granted
2	VO-002: Installation of electric line and removal of existing poles & wire between K8+339 to K9+100 (dated 16-02-2017]	2,520,225	-	2,520,225	Signed Varation Order was issued on 17-Feb-2017. Work has been completed
3	VO-002A: Construction of Concrete Pavement at start point of DASU RAR-01 [Km 0+000 to Km 1 +590]	35,238,232	42,713,164	(7,474,932)	Signed Varation Order was issued on 17-May-2020. Work has been completed.
4	VO-003: Installation of new Water Supply line & removal of existing Water Supply Pipe Line between K0+000 to K1+590 (dated 01-03-2017)]	2,360,764	-	2,360,764	Signed Varation Order was issued on 01-Mar-2017. Work has been completed.
5	VO-004: Concrete Class "A" Link Road 1,2,3 and FC Yard Road [F-RAR-01-EI-031]	7,096,734	-	7,096,734	Signed VO issued on 11-July-2020. Work Completed.
6	VO-005: Construction of Water channel to feed agriculture land	8,512,251		8,512,251	Signed VO issued on 08-May-2021.
7	VO-006: Construction of Mosque in SEO Village	4,143,986		4,143,986	Signed VO issued on 08-May-2021.
9	VO-007- Komila Bypass	1 ,077,568,049	1,240,702,760	(163,134,711)	Signed Varation Order (VO-007) was issued on 7th Nov 2021.
8	VO-008: Construction of Safety Barriers around Schools	5,339,122	-	5,339,122	Signed VO issued on 28-April-2022.
9	EI-009 Relocation of Existing Water Supply line between K2+400 to K3+600 (dated 30-05-2016)	1,292,582		1,292,582	Signed and Issued on 30-May-16
10	Construction of RCC Retaining Wall	57,415,037			Variation Order issued on Provisional rates on 31-Oct-2017
	Total			**(130,188,447)**	

Status of Issued Variations for KKH-01

Sr. No.	VO Description and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Security Building (dated 29-01-2017)	9,155,532	-	9,155,532	Superceeded by VO-001R
	VO-001: Prefabricated Security Personnel Building (Uchar Camp)	11,987,906	-	11,987,906	Signed VO Issued on 24th June 2022
2	VO-002: Relocation of Explosive Magazine	6,972,310	-	6,972,310	Singed VO Issued on 25-3-2020
3	VO-003: Slope Stabilization at certain areas of Barseen, Kaigah and Khoshe Section	99,638,316	-	99,638,316	Varaition Order signed on 7-Sep-2020
4	VO-004(R): Water Supply Scheme at Kuz Chuchang (K5+500).	663,964	-	663,964	Singed VO Issued on 02-06-2021
5	VO-005: Re-allignment - Tunnels, bridges and culverts	29.413 Billion	7.028 Billion	22,384,659,959	Singed VO Issued on 14-05-2022
6	VO-006: Construction of Safety Barriers around Schools	5,034,513	-	5,034,513	Singed VO Issued on 23-05-2022
7	VO-007: Mitigation Measures for Traffic Safety of Existing KKH	12,586,461	-	12,586,461	Singed VO Issued on 22-05-2022
8	VO-008: Improvement of khooshe Acess Road	32,072,330		32,072,330	Signed VO Issued on 08-10-2022
9	Relocation of Water Supply Facilities in Uchar Village Situated within ROW of the Spoil Dumping Site at Uchar	11,616,918 (p)	-	11,616,918	Final Varaition Order is ready, however, Contractor has not signed yet. Work has been completed. Provisional Interim payment was made.
	Total			**22,574,388,209**	

Status of Issued Variations for KKH-02

Sr. No.	VO Description and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	Proposed New Road Alignments With 4 Bridges and 8 Tunnels	29,966,599,000 (p)			Final design review with cost summary submiited via DHC/Dasu/WAPDA/KKH-02/OKK/22-026 dated 25-04-2022 and DHC/Dasu/WAPDA/KKH-02/ibr/22-011 dated 25-04-2022

Status of Issued Change Orders for TL-01

Sr. No.	VO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	CO-001: [Backfilling with concrete instead of filling with Borrow Material in the foundations of the 132 KV Towers]	62,328,200	-	62,328,200	The Employer Issued formal Change Order on 6-Dec-2019. Work is inprogress.
2	CO-002: Double Circuit 220kV type Towers with twin bundle “Rail” Conductor from NTDC’s Tower no. JKD-5 to Keyal Khwar HPP instead of Single Circuit ZM type Tower with LYNX from Dubair Khwar HPS to Keyal Khwar	187,054,511	-	187,054,511	The Employer Issued formal Change Order on 3-July-2020.
3	CO-003: Procurement, Installation, Construction and Erection of Tower Types ED & EG.	40,978,335 (p)	25,651,753	15,326,582	Employer issued Pending Change Order on 14-7-2020. Final CO will be issued after finalization of Land matters.
4	CO-004: Procurement of Grid station connectors and hydraulic compression Engine with dyes	-	-		It was a negative Variation and the Employer intends to proceed for approval along with the approval of CO-003
5	CO-005: Providing and laying of random rubble masonry and backfilling of retaining wall located at the grid station	46,660,889	-	46,660,889	The Employer Issued formal Change Order on 26-April-2022.
Total				**311,370,182**	

Status of Issued Variations for MW-01

Sr. No.	VO Description and Number	Engineer Estimate (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001 : Varied Works of Construction Roads and Platform for Diversion Facilities [Excluding Price Adjustment amount]	967,498,672	-	967,498,672	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-031 dated 16th January 2022.
2	VO-002 : Varied Works for Work Adits of Diversion Facilities [Excluding Price Adjustment amount]	1,275,244,643	-	1,275,244,643	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-034 dated 16th January 2022.
3	VO-03 : Diversion Tunnel Variation [Excluding Price Adjustment amount]	19,804,974,224	9,285,141,634	10,519,832,590	Variations issued on DHC/Dasu/CGGC/MW-01/CAD/21-499 dated 23rd November 2021
4	VO-04A : Varied Works for the traffic Diversion utilizing the LB Flushing Tunnel [Excluding Price Adjustment amount]	1,010,201,407	-	1,010,201,407	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-030 dated 16th January 2022.
5	VO-04B : Operation and Maintenance of Traffic Diversion Tunnel	180,936,697			Under Preperation
6	VO-05 : Land Lease for Contractor's Facilities at Purana Gao-Seo Area Phase -1	81,944,089	-	81,944,089	Variation Order signed and issued on 4-July-2020
7	VO-06 : For Provision of Power Supply to No.1 Crushing and Batching Plant	1,772,000,000		1,772,000,000	The Engineer made his determionation and issued via DHC/Dasu/CGGC/MW-01/CAD/22-494 dated 26th Sep 2022
8	Diversion Tunnel Gates and Hoists	3,500,000,000			Under Preperation (The Engineer sent request of proposal on 14-April-2022 to the Contractor)
9	VO-07 : Permanent Access Road LU2 and CR5-2 Roads	595,000,000			Under Preperation (The Engineer sent request of proposal on 1-September-2022 to the Contractor)
Total				**15,626,721,401**	

Status of Issued Variations for MW-02

Sr. No.	VO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	V0/001: Reinforcement of Main Access Tunnel Portal and Platform	128,000,000 (p)	-	128,000,000 (p)	The final assessment and draft VO document will be submitted in Aug-2022. Expected to be agreed or determined in Sep-2022.

Status of Issued Variations for PCI-01R

Sr. No.	VO Description and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Providing and Applying Emulsified Bitumen 2kg/m²	13,087,205	-	13,087,205	Signed VO issued on 14-09-2021
2	VO-002: Omission of Works related to Raw Water Tank and Slow Sand Filter		177,610,489	(177,610,489)	Signed VO issued on 06-10-2021

3	VO-003: Supply and Installation of 20mm uPVC pipe for A/C drainage	2,579,200	-	2,579,200	The Engineer issued his determination on 25-05-2022
4	VO-004: Supply, fabrication and Installation of window safety grill for project colony buildings	49,508,680	-	49,508,680	Signed VO issued on 14-09-2021
5	VO-005: Providing and installation of 20mm x 20mm metal lath of 18 Guage in Plaster Works	10,259,865		10,259,865	Signed VO issued on 14-09-2021
6	VO-006: Supply, Installation & Commissioning of Overhead Water Tanks for Project Office & Residences Category-2 Buildings	3,229,430	-	3,229,430	The Engineer issued his determination on 25-05-2022
7	VO-007: Providing & Installation of geotextile on weep holes before the backfilling of retaining walls complete in all respect	371,670	-	371,670	Signed VO issued on 14-09-2021
8	VO-008: External Water Supply to Uchar Site-1	8,466,376	-	8,466,376	Signed VO issued on 14-09-2021
9	Water Supply from Indus River (1st Stage) From Intake to Treatment Plant (existing KKH-01)	88,176,234 (p)		88,176,234 (p)	The Contractor requested to consider the cost of treatment plant and pumps on Provision Sum basis, therefore, when he will submit the quotations, the VO will be finalized accordingly.
	Water Supply from Indus River (2nd Stage) (From existing KKH-01 to Colony Water Tank)	93,076,945 (p)	-	93,076,945 (p)	The rates for 2nd stage has been issued to the Contractor on 13th August 2021. For, pipe related items, the mutually agreed rates were issued to the Contractor on 29th Dec 2021. VO shall be issued after finalization of all rates.
10	VO-010: Modification of Power Cable Size at Project Colony	29,103,816	20,450,032	8,653,784	The Engineer on 01 March 2022 has issued a draft VO via letter DHC/Dasu/CGICOP/PCI-01R/CAD/22-059 to the Employer and to the Contractor for review and consent.
11	VO-011: Supply and Instalation of False Ceiling (Gypsum Board) in Project Office Building. -False Ceiling of Plaster of Paris(Reduced Work)	4,374,000	4,564,382	(190,382)	Singned and issued on 19 July 2022
12	VO-012:Supply and Instalation of Expansion Joint Filler and Backing Rod in Project Office, Community Centre, Hostel Cat-3 and Hospital Buildings	6,066,900		6,066,900	Singned and issued on 19 July 2022
13	VO-013 Omission of 08 Units of Category-4D and Adjacent Road (S-11)		150,991,700	(150,991,700)	Signed and issued to the Contractor on 20 June 2022
14	VO-014 Supply and Installation of False Ceiling Lights in Project Office Building	38,179,140	37,705,434	473,706	Singned and issued on 25 August 2022
15	VO-015 - Replacing Asphalt Surface with Concrete Surface for Main Road and Steep Gradient Roads of Project Colony	30,378,716	20,874,335	9,504,381	Singned and issued on 30th November 2022
16	VO-016 Supply and installation of MS Grill at Backside Terraces for Privacy of Residence Category-1	14,525,993			Under Engineer's Evaulation
	Total			**(44,842,576.22)**	

Status of Issued Variations for EM-01

Sr. No.	CO Descrition and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	Delays to the execution of the works by other project contractors and subsequent impact on the interfacing and Coordination dates of EM-01 Contract				In order to synchronize the activities of the Contractor and the activities of the other project contractors the Time for Completion of the Coordination Events and the Sectional Completion Events shall be amended, to be calculated from the Effective Date i.e., February 01, 2021 . [DHC Letter 13-07-2020]

Status of Issued Variations for LBRV-11

Sr. No.	CO Descrition and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Supply and Installation of uPVC Pipe Class-C for External Sewerage System	389,300	1,601,620	(1,212,320)	Signed VO issued on 2-06-2021
2	V0-002- Slope Protection at Uchar Site-1	36,269,633	-	36,269,633	Signed VO issued on 28-05-2022
3	V0-003- Slope Protection at Khoshe Site-1	117,010,745	-	117,010,745	Signed VO issued on 28-05-2022
3	VO-004: Omission of Sites i.e. Uchar-2, Logro-1, 2 and 3		502,659,938	(502,659,938)	VO will be issed after Employer's approval
	Total			**(350,591,880)**	

Status of Issued Variations for LBRV-12

Sr. No.	CO Descrition and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Slope protection Works at Nasirabad Sites	94,367,950	-	94,367,950	The Engineer has issued a draft Variation order to the Employer and Copy to the Contractor via ref. letter DHC/Dasu/WAPDA/LBRV-12/CAD/22-012 dated 26th February 2022.
	VO-002: Omission of Resettlement Sites Barseen-01, Kaigah-01 and Kaigah-02	715,099,577	715,099,577	(715,099,577)	The Engineer has issued a draft Variation order for approval on 9th sep 2022 via DHC/Dasu/ZEGL/LBRV-12/CAD/22-045
	Total			**(620,731,627)**	

Status of Issued Variations for RV

Sr. No.	CO Descrition and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Supply and Installation Of UPVC Pipe Class-C And PPR Pipes for External Water Supply System	11,711,950	16,436,640	(4,724,690)	Signed VO issued on 21-10-20
2	VO-002: Providing and Laying Uncoursed Rubble Stone masonry with Cement Sand mortar (1:4) at Dasu-RV	35,162,500 (p)	-	35,162,500 (p)	The Contractor submitted his proposal on 07-April-2020. Engineer evaluated the cost and submitted the variation order to Employer on 23-Oct-2020 for his review. Discussion with the stakeholders are going on to get the agreement between the parties on rates to avoid potential dispute. Provisional rates are applied for payment in IPC.
3	VO-003: Providing, Lowering, Laying, Jointing and Testing Mild Steel Pipe 25mm dia Including Specials	1,536,600	11,040,000	(9,503,400)	Signed VO issued on 01-02-21
4	VO-004: Providing and Fixing of 75mm GI Post for Boundary Fence at Shatial Museum Site	2,906,868	-	2,906,868	The Engineer has issued a variation order to the Employer and Copy to the Contractor for their consent via letter DHC/DASU/WAPDA/Dasu-RV/imt/21-047 dated 1st April 2021
	Total			**(11,321,222.15)**	

APPENDIX I
Contract Information

Appendix I: Contract Information

Sr. #	Contract ICB No.	Base Date	Opening of bid	Letter of Acceptance	Signing of Contract	Date of Commence-ment	Time for Completion (days)	Original Completion Date	Accepted Contract Amount	Accepted Contract Amount in USD	Accepted Contract Amount in USD	IPC Total Certified Amount	% of Certified amount w.r.t ACA	Ist EOT	2nd EOT	3rd EOT	Revised Completion Date	Remarks
Main Works Contracts																		
1	DASU-MW-01	13-Jun-16	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2039	22-Jan-23	PKR 115,003,461,240	1,102,621,872	1,102,621,872	32,469,166,431	28.23%	1204	195		21-Nov-26	Work Inprogress
2	DASU-MW-02	13-Jun-16	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2069	21-Feb-23	PKR 64,426,426,087	617,703,031	617,703,031	11,502,152,031	17.85%	1213			18-Jun-26	Work Inprogress
3	DASU-EM-01	31-Jan-18	28-Feb-18	22-Oct-19	25-Nov-19	20-May-20	1856	19-Jun-25	PKR 25,471,001,920	230,506,805	474,490,805	480,570,192						Work Inprogress
Preparatory Works Contracts																		
1	DASU-KKH-01	15-Sep-14	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	546	20-Feb-17	PKR 14,538,852,307	144,334,878	144,334,878	11,881,853,171	81.72%	519	507		21-Jul-24	Work Inprogress. EOT Subject to Varation-005 time
2	DASU-RAR-01	15-Sep-14	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	364	22-Aug-16	PKR 2,713,972,595	26,943,042	26,943,042	1,928,026,278	71.04%	498	408	518	31-Aug-22	Work Inprogress. EOT underprocess. Subject to VO-007 Komila Bypass
3	DASU-TL-01	28-Aug-14	25-Sep-14	03-Mar-15	24-Apr-15	02-Nov-15	230	18-Jun-16	PKR 1,583,325,237 US$ 2,017,927	15,833,252	17,851,179	1,191,682,573 1,307,509	75.26% 64.79%	488	427	514	17-May-20	Work Inprogress. Tentative revised date 1-11-2022 EOT underprocess.
4	DASU-PCI-01	02-Jun-15	30-Jun-15	26-Oct-15	17-Nov-15	02-May-16	728	30-Apr-18	PKR 4,806,000,000	47,210,216	47,210,216	961,199,971						Terminated
5	DASU-PCI-01R	25-Oct-17	22-Nov-17	27-Aug-18	18-Oct-18	20-May-19	728	17-May-21	PKR 4,900,000,009	46,423,496	46,423,496	2,883,738,753	58.85%	895			29-Oct-23	Work Inprogress EOT underprocess.
6	DASU-RV	05-Aug-15	02-Sep-15	17-Nov-15	15-Dec-15	15-Dec-15	546	13-Jun-17	PKR 571,953,818	5,618,407	5,618,407	114,390,751						Terminated
7	DASU-RV (Re-bid)	25-Oct-17	22-Nov-17	23-Apr-19	18-Jun-19	18-Jun-19	546	15-Dec-20	PKR 654,815,181	6,203,839	6,203,839	294,475,394	44.97%				16-May-22	Work Inprogress. EOT granted
8	DASU-KKH-02	29-Sep-15	27-Oct-15	27-Feb-17	25-Apr-17	15-May-22	728	12-May-24	PKR 16,264,917,100	155,727,101	155,727,101	3,689,737,387	22.69%					Notice of Commencement not issued yet
9	DASU-RAR-02	29-Sep-15	27-Oct-15	22-Jun-16	18-Jan-17	20-May-21	728	18-May-23	PKR 6,253,407,194	59,872,729	59,872,729	1,269,138,634	20.30%					Work Inprogress.
10	DASU-LBRV-11	21-Jul-16	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,120,509,415	10,687,172	10,687,172	616,451,539	55.02%	345			04-Dec-20	Work Inprogress. 2nd EOT underprocess.
11	DASU-LBRV-12	21-Jul-16	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,016,820,466	9,698,210	9,698,210	489,927,002	48.18%	318			07-Nov-20	Work Inprogress. 2nd EOT underprocess.
12	DASU-RBRV-11	21-Jul-16	18-Aug-16	27-Feb-17	25-Apr-17	To be Decided	364	Depend on Comencement	PKR 370,939,497	3,522,692	3,522,692	74,187,844	20.00%					Terminated

APPENDIX J

Contract Status of Guarantee and Insurance

Appendix J: Contract Status of Guarantee and Insurance

Sr. #	Contract ICB No.	Advance Guarantee		Performance Guarantee		Insurances				
		Amount	Expiry Date	Amount	Expiry Date	CAW (18.2)	CPM (18.2)	TPL (18.3)	WC (18,4)	Marine Carggo (Import/Inland)
1	DASU-MW-01	PKR 5,556,438,372.00 USD 56,988,569.00	18-Jun-2026	PKR 5,556,438,372.00 USD 56,988,569.00	22-Sep-2023	22-Jan-2023	22-Jan-2023	22-Jan-2023	15-Jul-2023	N/A
2	DASU-MW-02	PKR 3,326,067,613.00 USD 29,880,873.00	18-Jun-2026	PKR 3,326,067,613.00 USD 29,880,873.00	22-Oct-2023	22-Feb-2023	22-Feb-2023	22-Feb-2023	15-Jul-2023	N/A
3	DASU-KKH-01	USD 7,257,158.00 PKR 2,176,756,968.00	12-Sep-2023	PKR 1,453,885,230.70	21-Jul-2025	21-Jul-2024			31-Jul-2024	N/A
4	DASU-RAR-01	PKR 379,956,164.00 USD 1,616,583.00	31-Dec-2023	PKR 271,397,259.50	31-Dec-2023	31-Mar-2023			28-Feb-2023	N/A
5	DASU-TL-01	PKR 166,340,724.00 USD 338,582.75	5-Apr-2023	PKR 178,862.944.00	20-Feb-2024	29-Sep-2024			8-Apr-2023	29-Sep-2024
6	DASU-KKH-02	PKR2,146,910,052.00 USD 10,590,008.00	30-Aug-2023	PKR 1,073,455,026.00 USD 5,295,004.00	20-Apr-2024	12-May-2024	12-May-2024	12-May-2024	15-Jul-2023	
7	DASU-RAR-02	PKR 833,528,863.00 USD 3,993,993.00	31-Mar-2023	PKR 625,340,719.00	30-Sep-2024	17-Aug-2023	17-Aug-2023	17-Aug-2023	15-Jul-2023	
8	DASU-LBRV-11	PKR 83,204,565.00 USD 1,343,848.00	23-Aug-2023	USD 671,924.00 PKR 41,602,282 00	2-Dec-2023	25-Jun-2023	25-Dec-2022	25-Jun-2023	10-Jun-2022	N/A
9	DASU-LBRV-12	PKR 75,233,228.00 USD 1,222,084.00	23-Aug-2023	USD 611,042.00 PKR 37,616,614.00	5-Nov-2023	25-Aug-2023	25-Dec-2022	25-Aug-2023	10-Aug-2022	N/A
10	DASU-RBRV-11	PKR 54,937,530.00 USD 182,814.00	24-Feb-2023	PKR 27,468,765 00 USD 91,407.00	24-Aug-2022	Terminated				
11	Dasu-PCI-01R	PKR 726,119,002.00 USD 2,405,316.00	1-Apr-2023	PKR 363,059,501.00 USD 1,202,658.00	22-Feb-2023	19-May-2023	19-May-2023	19-May-2023	19-May-2023	N/A
12	Dasu-RV	PKR 107,474,520	30-Sep-2023	PKR 65,481,520	14-Feb-2023	14-Jun-2023	14-Jun-2023	14-Jun-2023	14-Jun-2023	N/A

Near to Expiry
Expired
Reminder Issued
Reminder to be issued

APPENDIX K

Summary of Daily Work Records of MW-01 & 02 and EM-01

Appendix K: Summary of Daily Work Records of MW-01 & MW-02

Daily Work Records of MW-01

December 2022

	26 Mon.	27 Tue.	28 Wed.	29 Thu.	30 Fri.	31 Sat.
Diversion Tunnel A INLET	Top Slab Fixing of scaffolding for top slab Middle pier No work Part No.01 No Work Part No.02 &03 Concrete repairing and finishing work Part No.04 No Work	Top Slab Shifting and fixing of scaffolding for top slab Middle pier No work Part No.01 No Work Part No.02&03 Removing of scaffolding Part No.04 Fixing of scaffolding	Top Slab K0+002.3 ~K0-035 L/S+R/S Fixing of scaffolding Part-1 No Work Part-2,3 Concrete repairing and finishing work Part-4 Install of formwork	Top Slab K0+002.3 ~K0-035 L/S+R/S Fixing of formwork Middle pier No work Part-1 No Work Part-2,3 No Work Part-4 No Work	Top Slab K0+002.3 ~K0-035 Fixing of formwork and scaffolding Part-1 No Work Part-2 No Work Concrete repairing and finishing work L/W and crown Part-3 No Work Removal of scaffolding Part-4 No Work	Top Slab K0+002.3 ~K0-035 Fixing of formwork and scaffolding Part-1 No Work Part-2,3 Concrete repairing and finishing work at left wall and crown Part-4 Fixing of scaffolding for crown
Diversion Tunnel A UNDER GROUND	INVERT U/S K0+237 ~249 Right side Cleaning for 1m Invert concrete Pouring of Invert concrete Total quantity poured 118m3 K0+393~405 Left side Cleaning for 1m Invert concrete INVERT D/S No work D/S K1+250~ Left side Excavation and mucking	INVERT U/S K0+237~ 249 Right side Finishing of Invert concrete K0+393~ 405 Left side Fixing of formwork and Cleaning for concrete K0+309~ Invert surface cleaning INVERT D/S No work	INVERT U/S K0+393~ K0+405 L/S Preparation for 1m bedding concrete Pouring of 1m bedding concrete 142m3 INVERT D/S No work	INVERT U/S K0+393 ~ K0+405 L/S Surface finishing of 1m bedding concrete K0+249 ~K0+261 R/S Arrangement for 1m bedding concrete INVERT D/S No work	INVERT U/S K0+249 ~K0+261 R/S Pouring of 1m bedding concrete 132m3 Surface finishing of invert concrete INVERT D/S K0+525~ K0+537 L/S Pouring of 1m bedding concrete 129m3 Surface finishing of invert concrete D/S K1+445~K1+450 Survey for blast Drilling for blast Charging for blast Blast 3:45Hrs Mucking Diversion Channel Excavation and dumping	INVERT U/S K0+249 ~ K0+261 R/S Surface finishing of 1m bedding concrete K0+261~K0+273 R/S Arrangement for 1m bedding concrete INVERT D/S K0+525 ~K0+537 L/S Surface finishing of 1m bedding concrete K0+525~K0+537 Left side Arrangement for invert concrete K0+933~K0+945 L/S Arrangement for invert concrete D/S K1+450 Drilling for blast Charging for blast Blast 01:43Hrs Mucking Diversion Channel Excavation and dumping
Diversion Tunnel B INLET	Top slab Removing of scaffolding from face and top slab and concrete repairing work Gate Slot Area Right side Top slab Removing of scaffolding and concrete repairing and finishing work Gate Slot Area Right side Concrete repairing work Part No.01 Removing of formwork Part No.02, 03 Removing of scaffolding and concrete finishing work on walls	Part No.01 No work due to labour strike Part No.02, 03 Removing of scaffolding and concrete finishing work on walls Part No.04 Drilling for cavity grouting Execution of cavity grouting	Top slab Part-3,4,5 Removal of form work Gate Slot Area L/S Concrete repairing and finishing work Part-1,2,3 Removing and shifting of scaffolding Concrete repairing and finishing work	Top slab No Work Gate Slot R/S Concrete repairing and finishing work Part-1 L/S Concrete repairing and finishing work	Gate Slot R/S+L/S Concrete repairing and finishing work Inlet Outside Removing scaffolding from left side Shifting scaffolding and formwork from top slab Part-4 Removal of scaffolding	Gate Slot Concrete repairing and finishing work Inlet Outside Removing scaffolding from L/S+R/S Concrete repairing and finishing work at R/W Shifting scaffolding and formwork from top slabPart-1,2,3 Removal and shifting of scaffolding
Diversion Tunnel B UNDER GROUND	U/S Shear zone area Part No.01 Drilling for cavity grouting Removing of formwork and scaffolding Part No 02 & 03 Removing of scaffolding and finishing work Removing of scaffolding Part No 04 & 05 Excavation, dumping and levelling for Diversion channel K1+260~ Drilling for blast Charging for blast Blast 01:15 Excavation and mucking K1+110~ 140 Left side Invert cleaning for levelling concrete K1+140~ K1+180 Left side Invert excavation and cleaning for levelling concrete K1+220~ Left side Excavation and mucking	U/S Shear zone area Part No.01 Removing of scaffolding and concrete repairing and finishing work Part No 02 & 03 Removing of scaffolding Part No 04 & 05 No work Excavation, dumping and levelling for Diversion channel K1+280~ Centre bench Drilling for Invert blast Charging for blast Blast 21:30 Excavation and mucking K1+270~285 Drilling and install of canopy tubes K1+090~130 Left side Invert cleaning for levelling concrete Pouring of levelling concrete K1+180~ Left side Invert excavation to remove undercuts Invert excavation and cleaning for levelling concrete	U/S Shear zone area Part-1 Execution of Cavity grouting (21 holes) Part-2 Removal of scaffolding Concrete repairing and finishing work at crown Part-3 No work Part-4,5 Concrete repairing and finishing work K1+280~K1+285.5 Excavation and mucking K1+275~ K1+282 Left Wall Drilling for canopy tubes D/S K1+090 ~K1+130 Pouring of lean concrete 234m3 K1+130~K1+170 Invert rock surface cleaning for invert concrete	U/S Shear zone area Part-1 Concrete repairing and finishing work L/W Concrete repairing and finishing work crown Part-2 No Work Part-3 No work K1+252~ K1+275 Right Wall Grouting of canopy tubes (9 pcs) K1+250~K1+265 Drilling of 3m anchoring for steel arches (8 holes) K1+252~K1+285 Left Wall Install of canopy tubes Drilling for canopy tubes (9 holes) K1+250~K1+265 Drilling of 3m anchoring for steel arches (45 holes)	U/S K0+100~ K0+170 Cleaning sludge from invert surface Shear zone area Part-1 Concrete repairing and finishing work left wall and crown Removing of scaffolding Concrete repairing and finishing work crown Part-2,3 Removing and shifting of scaffolding Part-4,5 No work D/S K0+590~K0+650 Cleaning of inverts surface K1+252~ K1+275 Left Wall Drilling for 3m anchoring for steel arches Grouting for 3m anchoring for steel arches (29pcs) K1+252~K1+285 Left Wall Install of canopy tubes (9 pcs) Drilling for canopy tube Install of canopy tubes D/S K1+094~ K1+106 L/S Pouring of 1m bedding concrete 131m3 Finishing of invert concrete surface K1+130~ K1+170 L/S Invert rock surface cleaning for lean concrete K1+170~ K1+220 L/S Excavation and mucking	U/S No work Shear zone area Part-1 Concrete repairing and finishing work left wall and crown Part-4 Removal and shifting of scaffolding Part-2 Concrete repairing and finishing work at L/W Part-2,3 Removal of scaffolding D/S K0+590~K0+680 Cleaning of invert surface K1+252~ K1+275 L/W+R/W Install of canopy tubes Grouting of 3m anchoring bars for steel girders K1+252 ~K1+285 L/W Install of canopy tubes (18 pcs) Grouting of canopy tubes (17 pcs) K1+252~K1+285 L/S+R/S Drilling for anchoring bars for steel girders Grouting of 3m anchoring bars for steel girders D/S K1+094~K1+106 L/S Surface finishing of invert concrete K1+106~K1+118 L/S Pouring of invert concrete 142m3 Surface finishing of invert concrete K1+130~K1+170 Left side Preparation for lean concrete Pouring of lean concrete 136m3

STARTER DAM LEFT BANK	Fixing of scaffolding	No work due to labour strike	Formwork fixing for guide wall concrete length 5.5m	No work Note: Work stopped because local labors are on strike against Kashmiri labors	No work	No work
STARTER DAM RIGHT BANK	Dumping,leveling & compaction Fixing of formwork for guide wall concrete at K0+073~K0+055 Drilling for cut off wall Dumping, leveling and compaction Drilling for cut off wall	Drilling for cut off wall Dumping levelling and compaction	Drilling for cut off wall Phase II (Slot No.1-2) Loading, dumping and compaction Install of steel pipes and welding work at storage area Drilling for cut off wall Phase II (Slot No.1,2) Loading, dumping and compaction	Drilling for cut off wall Phase II	Drilling for cut off wall Phase II (Slot No.1,2) Loading, dumping and compaction Drilling for cut off wall Phase II (Slot No.1,2)	Drilling for cut off wall Phase II (Slot No.1/2) Loading, dumping and compaction Shift change Drilling for cut off wall Phase II (Slot No.1/2) Loading, dumping and compaction
ADIT 3-2	K0+045~ Excavation and mucking Spraying of 1st layer shotcrete Quantity 06m3 Survey for blast Drilling for blast Charging for blast Blast 05:15 Excavation and mucking	K0+052~Excavation and mucking Spraying of 1st layer shotcrete Quantity 06m3 Drilling for rock bolts Charging for blast Blast 01:30 Excavation and mucking	No work Note: Work stopped because local labors are on strike against Kashmiri labors	No work Note: Work stopped because local labors are on strike against Kashmiri labors	K0+035~K0+044 Drilling for rock Grouting for rock bolts (88pcs grouted and 02 holes collapsed) K0+049~K0+051.5 1st layer shotcrete sprayed 6m3 K0+051.5~ Survey for blast	K0+051.5~ Drilling for blast Charging for blast Blast 23:30Hrs Mucking and scaling
Traffic Diversion Tunnel	K0+852~ Drilling for blast Charging for blast Blast 17:35 Excavation and mucking Install of thickness pins Geological mapping Spraying of 1st layer shotcrete Total quantity 06m3 K1+359~ Fixing of steel arches	K0+840~852 Marking for drilling of rock bolts Drilling of rock bolts K0+854 Drilling for blast Charging for blast Blast 01:35 K1+359~ No work	K0+854~ Shift changing Mucking and scaling Geological mapping 14:00~14:30Hrs (Q value 1.77) K0+833 ~K0+839 Fixing of wire mesh K0+834~ K0+852 Arrangement for grouting of rock bolts Grouting of rock bolts (46pcs)	K0+839~K0+843 Fixing of wire mesh K0+834~K0+839 Fixing of rock bolt plates K0+854~ K0+857 1st layer shotcrete sprayed 6m3 K0+834~ K0+839 2nd layer shotcrete sprayed 24m3 K0+857~ Survey for blast	K0+857 Drilling for blast Charging for blast Blast + Ventilation 17:00~17:30Hrs Mucking and scaling Geological Mapping (Q Value 1.66) K0+857~ K0+8601st layer shotcrete sprayed 8m3 Survey for blast	K0+860~K0+863 Shift changing Drilling for blast Charging for blast Blast+Ventilation 13:00~13:50Hrs Mucking Shift changing Mucking and scaling Geological Mapping (Q Value 1.17) Install of thickness pins K0+860~ K0+863 1st layer shotcrete sprayed 6m3 Invert leveling K0+863~ Survey for blast Drilling Charging Blast 06:55Hrs
Cable crane foundation (Right Bank)	Base Elevation 1019.88 Elevation of working area 1059~1055 Excavation	Base Elevation 1019.88 Elevation of working area 1059~1055 Excavation	Base Elevation 1019.88 Elevation of working area 1059~1055 No Work	Base Elevation 1019.88 Elevation of working area 1059~1055No Work Note: Work stopped because local labors are on strike against Kashmiri labors.	Base Elevation 1019.88 Elevation of working area 1059~1055 Drilling for pre-splitting hole blast	Base Elevation 1019.88 Elevation of working area 1059~1055 Drilling for pre-splitting blast holes
Uchar New Crushing plant	Carrying out trial test at crushing and screening workshops Fixing of conveyor belt underground of stock piles Fixing of platform and machinary in batching plant area Fixing of steel and formwork at batching plant area Shifting of mechanical parts at batching plant area Fixing of reinforcement at storage area Fixing of formwork at batching plant area	Fixing and welding of conveyor belt underground of stock piles Assembling and welding of cement silos parts in batching plant area Concrete masonry wall for power station Fixing of reinforcement at storage area Fixing of formwork at batching plant area	Block masonry for generator room Assembling of cement silos parts and fixing of fabricated fence Install and welding work at conveyor belt line Formwork fixing at storage separator walls Stone masonry work at crushing plant area Fixing of formwork at foundation gallery Stone masonry work near retaining wall No.6	Assembling of cement silo parts and fixing of fabricated fence Install and welding work at conveyor belt line Formwork fixing at storage separator walls Stone masonry work at crushing plant area Fixing of formwork at foundation gallery Stone masonry work near retaining wall No.6 Fixing of reinforcement at storage separator walls	Construction of block masonry wall for generator room and foundation of diesel tank Concrete backfilling for generator base foundation Assembling of cement silos parts and welding steel of fabricated fence Welding of conveyor belt line Formwork fixing of foundation gallery under conveyer belt line	Construction of block masonry wall for generator room and foundation of diesel tank Assembling of cement silos parts and welding steel of fabricated fence Welding of conveyor belt line Formwork fixing of foundation gallery under conveyer belt line. Install of formwork at aggregate storage area Removal of form work from generator room
Kass Camp	Stone masonary at parking platform Stones masonry at retaining walls Fixing and welding of shelters Painting and electrical fittings Excavation & leveling	Stone masonary at parking platform Install of boundary wall fence Brick masonary work Stones masonry at retaining walls Fixing and welding of shelters Painting and electrical fittings Excavation & leveling	Stones masonry at retaining walls and gate way Fixing and welding of shelters Painting and electrical fittings Excavation & leveling Install of water pipe line Install of sewerage pipe line Install of brick masonry main hole Pouring of concrete at Pakistani canteen Stone masonry at retaining walls	Stone masonry at retaining walls Fixing and welding of shelters for Chinese offices Install of sewerage pipe line Install of brick masonry at top of 3rd floor Pouring of concrete at Chinese canteen 7m3 Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Stone masonry at retaining walls	Leveling concrete at Chinese canteen and rooms of 1st block Install of sewerage and water pipe line Install of electricity wires Stones masonry at retaining walls Fixing and welding of shelters for Chinese offices Install of sewerage pipe line Install of brick masonry at top of 3rd floor Pouring of concrete at Chinese canteen 7m3 Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Stone masonry at retaining walls	Fixing and welding of shelters for Chinese offices Protection walls and stone masonry at retaining walls Fixing of doors and making of windows frames Leveling concrete at Chinese canteen and rooms of 1st block Install of sewerage and water pipe line Install of electricity wires Excavation leveling and dumping in parking area Install of sewerage pipe line Install of brick masonry at top of 3rd floor Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Shift change Stone masonry at retaining walls
CR-5-2 / LU-2	Excavation & Mucking	Excavation & Mucking	No work	No Work Note: Work stopped because local labors are on strike against Kashmiri labors.	No work	No work

January 2023

Date/Day Location	1 Sun.	2 Mon.	3 Tue.	4 Wed.	5 Thu.
Diversion Tunnel A INLET	Top Slab K0+002.3 ~K0-035 Fixing of scaffolding Part-1 No Work Part-2 No work Part-3 No work Removing form work from crown	Top Slab K0+002.3~ K0-035 L/S+R/S Fixing of scaffolding Middle Pier Fixing of formwork Part-1 No Work Part No-2 Removal of scaffolding Part No-3 Removal of scaffolding Part-4 Fixing of scaffolding	Top Slab K0+002.3 ~K0-035 Fixing of scaffolding and formwork Part-1 No Work Part-2 Removal of scaffolding Part-4 R/S Fixing of scaffolding for crown	Top Slab K0+002.3 ~K0-035 Fixing of scaffolding & formwork Part-1 No work Part-2 R/W Concrete repairing and finishing work Removal of scaffolding Part-3 Removal of scaffolding Part-4 R/S Install of scaffolding for crown	Top Slab K0+002.3~ K0-035 Fixing of scaffolding & formwork Part-2,3 R/W Removal and shifting of scaffolding Part-4 R/S Install of scaffolding for crown
Diversion Tunnel A UNDER GROUND	INVERT U/S No Work INVERT D/S No Work Diversion Channel Excavation and dumping K1+445~ L/S No work Drilling for blast Charging for blast Blast 16:00Hrs Excavation and mucking	INVERT U/S No Work INVERT D/S No Work D/S K1+450~ L/S No work Drilling for blast Charging Blast 10:03Hrs Excavation and mucking	INVERT U/S No Work INVERT D/S No Work Diversion channel Excavation & loading D/S K1+435~ L/S Drilling for blast Charging Blast 17:10Hrs Excavation and mucking K1+430~ L/W Survey and marking for blast Drilling Charging Blast 5:01Hrs	INVERT U/S No Work INVERT D/S No Work Diversion channel Excavation & loading D/S No activity K1+430~ L/S Scaling and leveling Survey and marking for blast Drilling for blast Charging 1:00~1:40Hrs Blast 2:04Hrs Mucking and scaling	INVERT U/S No work INVERT D/S No work K1+440~ Excavation and loading Diversion channel Excavation & loading
Diversion Tunnel B INLET	Gate Slot R/S+L/S Concrete repairing and finishing work Inlet Outside Removing scaffolding from L/S Concrete repairing and finishing work at L/W Removing and shifting scaffolding from L/S+R/S Part-1 Removing of scaffolding Concrete repairing and finishing work	Gate Slot Concrete repairing and finishing work Inlet Outside Removing scaffolding from L/S Shifting scaffolding and formwork at top slab Part-1 Concrete repairing and finishing work	Transition Part-3,4,5 K0-014~0-035 Removing of scaffolding Loading and shifting scaffolding Part-3,4 Concrete repairing and finishing work at walls	Transition Part-3,4,5 K0-014~0-035 Removal of scaffolding Removal and shifting of scaffolding Gate slot Concrete repairing and finishing Part-1,2.3,4 Manual drilling for cavity grouting holes	Transition Part-3,4,5 K0-014~0-35 Removing of scaffolding Gate slot L/S+R/S Concrete repairing and finishing Part -1 Drilling for cavity grouting holes Part -2 Concrete repairing and finishing work Shift change Removal of scaffolding Concrete repairing and finishing work on walls Part -4 Concrete repairing and finishing work
Diversion Tunnel B UNDER GROUND	U/S No work Shear zone area Part-1 Concrete repairing and finishing work at L/W Concrete repairing and finishing work at crown Part-3 Removing and shifting of scaffolding Part-1,3 Removing and shifting of scaffolding D/S K0+490 ~K0+650 Cleaning of invert concrete surface K1+220~K1+250 Excavation K1+252~ K1+285 L/W Grouting of canopy tubes (31 pcs) D/S K1+106~K1+118L/S Surface finishing of invert concrete K1+118~ K1+130 L/S Pouring of 1m bedding concrete K1+170~K1+220 L/S Preparation for lean concrete	U/S Shear zone area Part-1 L/W+R/W Concrete repairing and finishing work Part-2,3 Removal of scaffolding D/S K0+390~K0+490 Repairing work for inverts concrete K0+650~K0+700 Cleaning of invert concrete surface K1+252 ~K1+275 R/W Welding of canopy tubes K1+265 ~ K1+283 L/W + R/W Drilling for canopy tubes L/W (4 holes) Install of canopy tubes Grouting (13 tubes) K1+252~ K1+272 R/S Drilling for 3m anchoring for steel arches (33 holes) Grouting (40 pcs) D/S K1+130~K1+142 L/S Cleaning for 1m bedding concrete Pouring of 1m bedding concrete 120m3 Surface finishing K1+170 ~K1+210 L/S Cleaning of invert rock surface for lean concrete Pouring of lean concrete K1+142~ K1+170 Cleaning of sediments with loader	U/S Shear Zone Part-1 Concrete repairing and finishing work at walls Part-2,3 Removing of scaffolding Shifting of scaffolding pipes by crane D/S K0+700~ K0+750 Invert concrete surface cleaning K1+252 ~K1+285 L/W + R/W Grouting of canopy tubes (32 pcs) Excavation and mucking D/S K1+130~K1+142 L/S Finishing of invert concrete surface K1+170~K1+210 L/S Pouring of lean concrete (Day shift 6m3 Night shift 136m3 Total 142m3) K1+142~ K1+154 L/S Pouring of concrete 127m3 Concrete surface finishing K1+094~ K1+118 R/S Lean surface cleaning for invert concrete K1+210 ~K1+230 L/S Invert rock surface cleaning for lean concrete Removing undercuts with jack-hammer K1+058~ K1+090 L/S Excavation and mucking	U/S No activity Shear Zone Part-2 Concrete repairing and finishing work at walls Removal of scaffolding Part-3 Removal of scaffolding D/S K0+750~0+850 Invert concrete surface cleaning D/S K1+190~ K1+202 L/S Pouring of 1m bedding concrete 141m3 K1+154~K1+166 L/S Pouring of 1m bedding concrete 120m3 Surface finishing K1+058~K1+070 L/S Arrangement for lean concrete & excavation with jack hammer K1+210 ~K1+230 L/S Cleaning of rock surface for lean concrete	U/S Shear Zone Part-1,2 Concrete repairing and removal of scaffolding Part-02 Removing scaffolding D/S K0+850~ K0+900 Invert concrete surface cleaning and removal of sediments K1+058~K1+070 L/S Invert rock surface cleaning lean and bedding concrete Pouring of 1m invert bedding concrete (179m3=120m3 invert 1m +59m3) K1+166~ K1+178 L/S Arrangement for invert 1m bedding concrete Pouring of concrete 135m3 Surface finishing K1+190~K1+202 L/S Surface finishing K1+210 ~1+230 L/S Invert surface cleaning for leveling concrete Pouring of lean concrete 70m3 K1+252 ~K1+285 R/W Install of anchor bars for steel arches (3 No's) Install of anchor bars for steel girder
STARTER DAM LEFT BANK	No work	Formwork fixing of guide wall length (5.5m) Pouring of concrete 21.5m3	No work	No work	No work
STARTER DAM RIGHT BANK	Drilling for cut off wall Phase II (Slot No.1,2) Loading, dumping, leveling and compaction Drilling for cut off wall Phase II (Slot No.1,2) Loading, dumping, leveling and compaction K0+072~K0+062 Guide WallPouring of concrete 48.5m3	Drilling for cut off wall Phase II (Slot No.1-2) Loading, dumping and compaction Drilling for cut off wall Phase II (Slot No.1/2 Loading, dumping and compaction	Phase II (Slot No. 2,3) Drilling for cut off wall Loading, dumping and compaction Phase I (Slot-3) Hole-5 , Phase II (Slot-2) Hole-5 , Phase II (Slot-3) Hole-3 and 5 Drilling for cut off wall Dumping and compaction	Cut off wall Phase II (Slot-1/2/3) Drilling for cut off wall Loading, dumping and compaction Drilling for cut off wall Dumping and leveling for starter Dam	Cut off wall Phase II (Slot-1/2/3/4) Drilling for cut off wall Loading, dumping and compaction Shift change Drilling for cut off wall Loading, dumping and compaction
Adit 3 - 2	K0+051.5~K0+055 1st layer shotcrete 5m3 K0+055~ Survey for blast Drilling for blast Charging for blast Blast 19:00Hrs Ventilation Mucking and scaling Install of thickness pins	K0+055~0+058 1st layer of shotcrete sprayed 8m3 K0+058~ Survey and marking for blast Drilling Charging Blast 5:30Hrs	K0+058~K0+061.5 Mucking and scaling Mapping Scaling and leveling Install of thickness pins 1st layer of shotcrete sprayed 8m3 Shift change K0+061.5~ Survey and marking for drilling Drilling for blast Charging Blast 1:45Hrs Mucking	K0+061.5~K0+063 Mucking & scaling Install of steel thickness pins 1st layer shotcrete sprayed 8m3 Scaling and leveling K0+063~ Survey and marking for blast Drilling for blast Charging Blast 00:36Hrs Mucking and scaling Outlet portal Drilling for rock dowels Grouting and install of rock bolts (3 pcs) Grouting and install of rock bolts (7 no`s installed and 3 holes collapsed) Re drilling of collapsed holes Grouting and install of rock bolts (3nos installed)	K0+065~0+068.4 Mucking and scaling Charging for additional blast Scaling Drilling rock bolts Grouting and install of rock bolts 89 (no's installed) K0+065~0+068.4 1st layer shotcrete sprayed 5m3 Outlet Portal 2nd layer shotcrete sprayed 8m3 K0+229~ Survey and marking for blast Drilling for blast
Traffic Diversion Tunnel	K0+866~ Shift changing Mucking and scaling Geological Mapping (Q Value 1.17) Shift change K0+863~K0+866 Execution 1st layer shotcrete 6m3 K0+852~ K0+864 Marking and drilling for rock bolts K0+840~K0+852 Fixing of wire mesh K1+361~ K1+358 Install of steel arches (3 No`s)	K0+852~K0+864 Grouting for rock bolts (47 pcs) Invert leveling K0+865~K0+868 Survey for blast Drilling for blast Charging for blast Blast and ventilation Mucking and scaling Geological Mapping (Q Value 1.30) 1st layer shotcrete sprayed 6m3 K1+361~ K1+358 Install of steel arches	K0+865~K0+868.51st layer shotcrete sprayed 6m3 K0+820~K0+830 Remedial Shotcrete sprayed 5m3 K0+840~ K0+855 Fixing of wire mesh K0+868.5~ Survey and marking for blast Drilling for blast Charging Blast 20:40Hrs Ventilation Mucking and scaling Arrangement for shotcrete K1+361~ 1+358 Install of cover sheets on steel arches for	K0+845~K0+850 Fixing of wire mesh K0+872~ Survey and marking for blast Manual drilling for blast Charging Blast 1:55Hrs Mucking and scaling K1+357~K1+355 Drilling for blast Charging for blast Blast 13:05Hrs Mucking and scaling Shift change 1st layer shotcrete sprayed 8m3 K1+355~	K0+872~K0+875 Mucking and scaling Geological mapping (Q value 1.67) K0+872~K0+875 Survey and marking for blasting holes 1st layer shotcrete sprayed 6m3 K0+830~ 0+840 Remedial layer of shotcrete sprayed 5m3 Drilling for rock bolts K1+355 Mucking and scaling 1st layer shotcrete sprayed 8m3

			shotcrete 2nd layer of shotcrete sprayed 15m3 K1+357~ Survey and marking for blast	Survey and marking for blast Drilling Charging Blast 06:40Hrs	
Cable crane foundation (Right Bank)	Base Elevation 1019.88 Elevation of working area 1059~1055 Drilling for pre-splitting blast holes	Base Elevation 1019.88 Elevation of working area 1059~1055 Drilling for Pre-splitting blast holes	Base Elevation 1019.88 Elevation of working area 1059~1055 Drilling for Pre-splitting blast holes	Base Elevation 1019.88 Elevation of working area 1059~ Drilling for Pre-splitting blast holes Charging Blast 14:58Hrs	Base Elevation 1019.88 EL: 1058~1055 Excavation
Uchar New Crushing plant	Construction of block masonry wall for generator room and foundation of diesel tank Assembling of cement silos parts and welding steel of fabricated fence Welding of conveyor belt line Formwork fixing of foundation gallery under conveyer belt line Formwork fixing for generator base foundation Formwork fixing at aggregate storage area	Construction of block masonry wall for generator room and foundation of diesel tank Assembling of cement silos parts and welding steel of fabricated fence Welding of conveyor belt line Formwork fixing of foundation gallery under conveyer belt line Formwork fixing generator base foundation Formwork fixing at aggregate storage area	Assembling of cement silos parts and welding of steel fabricated fence Formwork fixing for aggregate storage area wall Shift change Formwork fixing for aggregate storage area wall Welding work on conveyor belt line	Fixing of reinforcement at aggregate storage separator wall Reinforcement fixing for aggregate storage separator wall Welding work on conveyor belt line Install of batching plant equipment`s Install of formwork for cement storage Removing of formwork from gallery foundation	Install of reinforcement for aggregate storage separator wall Welding work on conveyor belt line Install of batching plant equipment`s Install of formwork for cement storage Install of reinforcement of aggregate storage separator wall Pouring of concrete for gallery foundation
Kass Camp	Fixing and welding of shelters for Chinese offices Protection walls and stone masonry at retaining walls Fixing of doors and making of windows frames Leveling concrete at Chinese canteen and rooms of 1st block Install of sewerage and water pipe line Electricity wiring Excavation leveling and dumping in parking area Install of brick masonry at top of 3rd floor Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Pouring leveling concrete of first block 18m3 Stone masonry at retaining walls	Fixing and welding of shelters for Chinese offices Protection walls and stone masonry at retaining walls Fixing of doors and making of windows frames Leveling concrete at Chinese canteen and rooms of 1st block Install of sewerage and water pipe line Install of electricity wires Excavation leveling and dumping in parking area Install of sewerage pipe line Install of brick masonry at top of 3rd floor Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Stone masonry at retaining walls	Fixing and welding of shelters for Chinese offices Protection walls and stone masonry at retaining walls Fixing of doors and making of windows frames Leveling concrete at Chinese canteen and rooms of 1st block Install of sewerage and water pipe line Install of electricity wires Excavation leveling and dumping in parking area Install of brick masonry at top of 3rd floor Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Stone masonry at retaining walls	Fixing and welding of shelters for Chinese offices Install of water pipe line Install of Edge protection Protection walls and stone masonry at retaining walls Fixing of doors and making of windows frames Install of sewerage and water pipe line Electricity wiring Install of brick masonry at top of 1st floor Pouring of concrete for balcony 8m3 Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Stone masonry at retaining walls	Fixing and welding of shelters for Chinese offices Install of water pipe line Protection walls stone masonry at retaining walls Fixing of doors and making of windows frames Install of sewerage and water pipe line Electricity wiring Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs
CR-5-2 / LU-2	No Work	No Work	No Work	Mucking and excavation at water tank area	Excavation and mucking
Date/Day / Location	**6 Fri.**	**7 Sat.**	**8 Sun.Thu.**	**9 Mon.Fri.**	**10 Tue.**
Diversion Tunnel A INLET	Top Slab K0+002.3 ~K0-035 Fixing of scaffolding & formwork Shifting of scaffolding to top by crane Cleaning of steel and surface washing Part-3 Removal and shifting of scaffolding Part-4 R/S Install of scaffolding for crown Removal and shifting of scaffolding	Top Slab K0+002.3~ K0-035 Fixing of scaffolding & formwork Shifting of scaffolding for top slab by crane Part-4 R/S Install of scaffolding	Top Slab K0+002.3~ K0-035 Fixing of scaffolding and formwork Part-4 R/S Fixing of scaffolding Assembling of caffolding Part-2 Removal and assembling of scaffolding	Top Slab K0+002.3~ K0-035 Fixing of scaffolding and formwork Shifting of scaffolding to site and unloading Part-4 R/S Fixing of scaffolding Part-2 Removal of scaffolding	Top Slab K0+002.3~0-035 Fixing of scaffolding and formwork Shifting of scaffolding to crown portion Shifting and fixing of scaffolding at left side Part-4 Fixing of scaffolding
Diversion Tunnel A UNDER GROUND	INVERT U/S K0+261~ K0+273 Pouring of 1m bedding concrete 123m3 Concrete surface finishing INVERT D/S No workDiversion channel Excavation & loading	INVERT U/S K0+261~ K0+273 Invert concrete surface finishing K0+273 ~ K0+285 Pouring of 1m bedding concrete (120m3) Finishing of concrete surface INVERT D/S No work (shortage of resources) K0+537 ~K0+549 Pouring of concrete 130m3 D/S K1+440~ L/S Excavation Diversion channel Excavation & mucking	INVERT U/S K0+273~ K0+285 R/S Finishing invert concrete surface K0+285~K0+297 R/S Arrangement for 1m bedding concrete INVERT D/S K0+537~ K0+549 L/S Finishing invert concrete surface D/S K1+435~ L/W No work (shortage of resources) Survey for blast Drilling for blast Charging 23:50~1:30Hrs Blast 1:45Hrs Excavation and mucking	INVERT U/S K0+285~ K0+297 Pouring of concrete Qty 126m3 Invert concrete surface finishing work INVERT D/S No work D/S K1+440 No work K1+465~ Excavation with 01 Jack-hammer Diversion channel Excavation and loading	INVERT U/S K0+285~0+297 Invert concrete surface finshing K0+297~0+347 Cleaning for invert 1m concrete INVERT D/S K0+549~ Cleaning for invert 1m concrete D/S Right and Left side 1+252~ Removing of mud material K1+440~ Excavation and mucking Diversion channel Excavation and mucking
Diversion Tunnel B Inlet Portal	Transition Part-3,4,5 K0-014~0-035 Removing of scaffolding Concrete repairing and finishing work at walls Part-1 Drilling for cavity grouting holes Install of PVC pipe Shift change Drilling for cavity grouting holes Part-2,3 Removal of scaffolding Concrete repairing and finishing work on walls Part -4 Removal of scaffolding and shifting	Top Slab K0-014~0-035 Concrete repairing and finishing work Removal of scaffolding Part-1 Concrete repairing and finishing work at walls Arrangement for cavity grouting Execution of cavity grouting (13 hole grouted) Part-4 Removal of scaffolding Drilling for weep holes	Top slab K0-014~0-035 L/W Concrete repairing and finishing work Removing formwork and shifting Part-1 Concrete repairing and finishing work at walls Concrete repairing and finishing work at walls Part-3,4 Removal of scaffolding Removing formwork and shifting	Top slab No work Wing wall Concrete repairing and finishing work Gate Slot Removal of scaffolding Part-1 Concrete repairing and finishing work at walls Concrete repairing work at L/W Part-4 Removal of scaffolding Removal, assembling and shifting of scaffolding	Top slab No work Wing walls Concrete repairing and finishing work Gate Slot area Removal and shifting of scaffolding Part-1 Concrete repairing and finishing work Part-4 Removal of scaffolding Removal and shifting of scaffolding
Diversion Tunnel B UNDER GROUND	U/S Shear Zone Part-1,2 Removing of scaffolding Part-3 Repairing of concrete work on walls D/S K1+058~K1+070 L/S Invert concrete surface finishing K1+166~ K1+178 L/S Invert concrete surface finishing K1+202~ K1+214 L/S Pouring of 1m bedding concrete 150m3 K1+240~ K1+250 L/S Excavation and mucking K1+178~ K1+190 L/S Pouring of 1m bedding concrete 132m3 Invert concrete surface finishing K1+252~K1+282 Install of steel girders Anchoring of steel girders by welding K1+252~ L/S Drilling for anchor bars for steel girders Install of anchor bars (13pcs) Grouting of anchor bars (17 No's) Survey for girder positioning K1+252~ 1+274 R/S Excavation and leveling	U/S Shear Zone Part-1,2 Removal of scaffolding Part-2&3 Wall Concrete repairing and finishing work D/S No work D/S from K1+070~ K1+082 Invert rock surface cleaning for lean concrete Removing of undercuts with jack-hammer K1+202~ K1+214 L/S Invert concrete surface finishing K1+214~ K1+226 L/S Concrete surface finishing K1+245~ Charging Blast 12:00Hrs Excavation and mucking K1+250~ Drilling for blast Charging (21Kg) Blast 2:10Hrs Mucking K1+252~ L/S Welding work and fixing of steel girders Removing of under breaks with jack-hammer to fix steel girder Removing of under breaks with jack-hammer Install and welding work of steel girders	U/S Shear Zone Part-1,2 Removal of scaffolding and shifting Part-2,3 Concrete repairing and finishing work at walls D/S K1+070~K1+094 L/S Cleaning for lean concrete Excavation and cleaning for lean concrete K1+214~ K1+226 L/S Arrangement for 1m bedding concrete K1+257~ L/W Install of steel girders and welding work Install of steel girders and welding work K1+245~1+260 L/S Excavation and mucking K1+252~1+255 L/S Drilling for blast Charging Blast 12:50Hrs Excavation and mucking	Shear Zone Part-1,2 Removal of scaffolding and shifting D/S K1+070 ~K1+090 L/S Invert rock surface cleaning for lean concrete Pouring of lean concrete 176m3 K1+250 ~1+270 L/S+R/S+center Excavation and mucking K1+268~ R/S Survey and marking for blasting holes Drilling for blast Charging 2:00~3:00Hrs Blast 3:32Hrs Excavation and mucking K1+257~ Adjustment and welding of steel girders Right side as per EI-23-001 Arrangement for shotcrete of outlet outside R/wall Shotcrete sprayed Qty 8m3	Shear Zone Part-1,2,4 Removing and shifting of scaffolding Concrete repair work at Right wall Part No.2 D/S Left side K1+070~1+082 No work K1+070~1+094 Pouring of concrete Total quantity poured = 142m3 Surface finishing Left side K1+235~ Drilling for blast Charging (15Kg)Blast at 5:47Hrs Left Side K1+270~ Excavation and loading K1+252~ Install of steel girders Removal of underbreaks with the help of jack-hammer and scaling Install of steel girders

STARTER DAM LEFT BANK	No work	No work	No work	No work	No work
STARTER DAM RIGHT BANK	Cut off wall Phase II (Slot-1/2/3/4) Drilling for cut off wall Loading, dumping and compaction Drilling for cut off wall Loading, dumping and compaction Drilling for cut off wall Loading, dumping and compaction Phase I (Slot-1) Drilling for cut off wall	Cut off wall Phase II (Slot-2/3/4) Drilling for cut off wall Phase I (Slot-1) No work (drilling not possible because of rock) Dumping and leveling Phase I (Slot-5) Hole No.1 Phase II (Slot-3) Hole No.3 Phase II (Slot-4) Hole No.1,3 Percussion drilling for cut off wall Breaking of boulder with Jack-Hammer on right acces road	Cut off wall Phase II (Slot-3/4/5) Drilling for cut off wall	Cut off wall Phase I (Slot-3/4/5) Drilling for cut off wall Phase II (Slot-2/) hole num 1 Core drilling	Cut-off wall Phase II (Slot-3,4,5) Drilling for cut off wall Phase II (Slot-2) hole number(1) Core drilling Dumping and leveling Phase II (Slot-3,4,5) , Phase I (Slot-4,5) Percussion drilling for cut off wall Dumping and leveling
ADIT 3-2	K0+068.4 Survey and marking for blast Drilling Charging Blast 17:46Hrs Mucking Charging for additional blast Blast 4:30Hrs Mucking and scaling K0+229~0+226 Drilling for blast Charging for blast Blast 12:50Hrs Mucking and scaling Geological mapping (Q 0.33) Arrangement for 1st layer shotcrete 1st layer of shotcrete sprayed 6m3	K0+071.5 Mucking and scaling Install of thickness pins Geological mapping (Q 1.33) 1st layer of shotcrete sprayed 8m3 K0+229 ~0+225.5 1st layer of shotcrete sprayed 8m3 Scaling K0+225.5~ Survey and marking for blasting Drilling for blast Charging Blast 1:55Hrs Mucking and scaling	K0+071.8~Survey for blast Drilling for blast Charging Blast 19:35Hrs Mucking and scaling K0+225.5~ Mucking and scaling 1st layer of shotcrete sprayed 8m3	K0+071.8~0+075.5 Mapping (Q value 1.67) 1st layer of shotcrete sprayed 8m3 K0+075.5~ Drilling and marking for blasting holes Charging for blast Blast 18:45Hrs (Explosive Qty 150kg) Mucking Marking for rock bolts Drilling for rock bolts	K0+075.5~0+079 Mucking and scaling Applied 1st layer of shotcrete 8m3) K0+079~ Survey for blast Drilling for blast K0+229 ~0+222.5Grouting of rockbolt 29pcs grouted and 5 holes collapsed
Traffic Diversion Tunnel	K0+863~K0+875.5 Grouting for rock bolts (50 pcs) K0+850~0+854 Fixing of wire mesh Face scaling and invert leveling K0+875.5~ Survey and marking for blast Drilling for blast Charging for blast Blast + ventilation Mucking and scaling K1+360~ 1+356 Grouting for rock bolts (21 pcs installed and 3 hole collapse) K1+357~K1+354 Survey for steel arches K1+353~ Survey and marking for blast	K0+878~ Geological mapping (Q 1.2) 1st layer of shotcrete sprayed 6m3 K0+836~ 0+848 2nd layer shotcrete sprayed 24m3 Invert leveling 0+879.5~ Survey and marking for blast Charging Mucking and scaling K1+357~ 1+354 Install of steel arches Grouting for steel arches anchoring bars	K0+855~K0+860 Fixing of wire mesh (8pcs) K0+879.5~K0+882.4 Mucking and scaling Install of thickness pins for 1st layer shotcrete 1st layer of shotcrete sprayed 6m3 K0+882.4~ Drilling for blast Charging Blast 22:50Hrs Ventilation K1+357~ 1+354 Install of steel arches and welding work	K0+882.4~0+885.5 Mucking and scaling Invert leveling Geological mapping (Q value 1.45) 1st layer of shotcrete sprayed 6m3 Face scaling and invert leveling K0+885.5 Survey and marking for blasting Drilling for blast K0+860~ Fixing of wire mesh K1+357~K1+354 Sprayed 2nd layer of shotcrete Qty 32m3 K1+353 Drilling for blast Charging Blast 4:53Hrs	K0+885.5~0+889 Charging for blast Blast and ventilation 9:10~9:45Hrs Mucking and scaling Geological mapping Applied 1st layer shotcrete (Quanitity= 6m3) Marking for rock bolts Drilling for rock bolts K1+353~1+351.5 Mucking and scaling 1st layer shotcrete sprayed 3m3 K1+351.5~ Drilling for blast Charging Blast at 1:40Hrs Mucking and scaling
Cable crane foundation (Right Bank)	Base Elevation 1019.88 EL: 1058~1055 Excavation	Base Elevation 1019.88 EL: 1058~1055 No work (drilling jumbo break down)	Base Elevation 1019.88 EL: 1058~1055 No work (drilling jumbo break down)	Base Elevation 1019.88 EL: 1058~1055 No work (drilling jumbo break down)	Base Elevation: 1019.88 EL: 1058~1055 No work
Uchar New Crushing plant	Install of reinforcement for aggregate storage separator wall Welding work on conveyor belt line Install of batching plant equipment`s Install of formwork for cement storage Install of reinforcement for aggregate storage separator wall	Install of reinforcement for aggregate storage separator wall Welding work on conveyor belt Install of batching plant equipment`s Install of formwork for cement storage Fixing of fabricated fence Install of reinforcement for aggregate storage separator wall Install of reinforcement for aggregate storage separator wall Pouring of concrete at aggregate storage base slab	Welding work on conveyor belt line Install of batching plant equipment`s Install of formwork for cement storage	Install of crush plant equipment`s Install of formwork for generator room	Install of batching plant equipments Welding work at crush plant Stone masonry Block masonry for fuel tank Arrangment of concrete for the generator room slab Pouring of concrete
Kass Camp	Install of water pipe line valve Stone masonry at retaining walls and gate way Install of sewerage pipe line valve Electricity wiring Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Leveling concrete for rooms 6m3 Stone masonry at retaining walls and gate way	Fixing and welding of shelters for offices Protection walls and stone masonry at retaining walls Fixing of doors and making of windows frames Install of sewerage and water pipe line Electricity wiring Install of brick masonry at top of 1st floor Joint filling between rooms Brick and plaster work for washrooms Making and welding of steel stairs Pouring leveling concrete 7.4m3 Stone masonry at retaining walls	Install of steel shelter for offices Joint filling between two rooms Install of sewerage pipe line wall Brick work for washrooms Plaster work at the top of first block Brick work at the top of first block Electricity fitting inside the room Pouring of concrete for room leveling 7m3 Stone masonry at retaining wall	Install of steel shelter for offices Joint filling between two rooms Install of sewerage pipe line wall Brick work for washrooms Plaster work at the top of first block Brick work at the top of first block Electricity fitting inside the room Stone masonry at retaining wall	Install of steel shelter for Chinese offices Joint filling between two rooms Install of swerage pipe line valve Brick masonary for washrooms Plaster work at the top of first block Brick masonary at the top of first block Electricity fitting inside the room Pouring of concrete for room leveling
CR-5-2 / LU-2	No Work (Due to work at intake area downside)	No Work (Due to work at intake area downside)	No Work (Due to work at intake area downside)	No Work (Due to work at intake area downside)	No Work (Due to work at intake area downside)
Date/Day / Location	**11 Wed.**	**12 Thu.**	**13 Fri.**	**14 Sat.**	**15 Sun.**
Diversion Tunnel A INLET	Top Slab K0+002~0-035 Fixing of scaffolding and formwork Shifting of scaffolding to crown with the help of crane Transition part (Left and Right Side) Fixing of scaffolding for access Part No.4 Fixing of scaffolding	Top Slab K0+002~K0-035 Fixing of scaffolding and formwork Fixing of steel transition part Fixing of steel at gate slot area Welding work at both right and left wall Adjustment of formwork Arrangement for concrete at right wall 8th Lift Part No.4 Fixing of scaffolding	Top Slab K0+002~0-035 Fixing of scaffolding and formwork Fixing of steel at transition part Left wall Arrangement for concrete Pouring of concrete Part No.1 Fixing of scaffolding Part No.4 Shifting of scafolding from invert to top portion Fixing of scaffolding	Top Slab K0+002~0-035 Fixing of scaffolding and formwork Fixing of reinforcement at transition part Invert surface cleaning Left wall Pouring of concrete Total quantity poured (A-25) = 309m3 Chipping and curing Removing of waste concrete Coffer Dyke between DT-A & DT-B Invert cleaning for coffer dyke Part - 4 Fixing of scaffolding	Top Slab K0+002~0-035 Fixing of scaffolding, fixing of formwork and install of reinforcement Shifting of formwork to crown portion Left wall El. 781.4~783.9 (8th Lift) Chipping and curing Right wall El. 781.4~783.9 (8th Lift) Welding work and arrangement for concrete Pouring of concrete Total quantity (A-25) = 288m3 Coffer Dyke Between DTA & DTB Invert cleaning for coffer dyke Part No.1 and 4 Fixing of scaffolding
Diversion Tunnel A UNDER GROUND	INVERT U/S K0+285~ 0+297 Finshing of invert concrete K0+297~0+347 Cleaning for 1m invert concrete INVERT D/S K0+549~ Cleaning for 1m invert concrete D/S Right side K1+140~ 1+180 Breaking stone with jack hammer Right and Left side K1+145~	INVERT U/S K0+381~ K0+357 Cleaning for invert 1m concrete INVERT D/S K0+549~ No work D/S K1+270~ 1+300 Excavation and mucking for lean concrete Left side K1+435~ Drilling for blast Charging and blasting Blast at 14:37Hrs (Explosive used = 50kg) Mucking and excavation Right wall K1+460~1+470	INVERT U/S K0+381~ 0+357 No work INVERT D/S K0+549~ No work D/SRight side K1+260~ 1+280 Drilling for blast Charging for blast (Explosive used=100kg) Blast at 16:37Hrs Mucking and excavation Center Excavation Right and left wall K1+460~ 1+470 Removing of shotcrete from steel arch Right	INVERT U/S K0+381~ 0+357 No work) K0+297~0+309 Invert surface cleaning Pouring of 1m concrete (Quantity= 127m3) Concrete surface finishing INVERT D/S K0+549~ No work Invert surface cleaning D/S Right side 1+240~1+280	INVERT U/S Right side K0+297~0+309 Finishing of concrete surface Right side K0+309~0+321 Invert surface cleaning D/S Right side K1+240~1+280 Excavation with jack hammer+Cleaning of surface for lean concrete Left side K1+460~K1+480 Removing of shotcrete with jack hammer Right side K1+242~1+285 Excavation and mucking

	1+155 Mucking from invert surface Excavition and mucking	Chipping for shotcrete	side K1+240 ~1+280 Excavation and mucking Left wall K1+440 Excavation and mucking	Invert surface excavation and mucking Left wall K1+380~1+430 Install of thickness pins and arrangement for 1st layer shotcrete Applied 1st layer of shotcrete	Diversion channel Excavation, mucking and drilling for boulder blast
Diversion Tunnel B Inlet Portal	Top slab No work Wing walls Concrete repairing and finishing work Gate Slot area Removal and shifting of scaffolding Part No.1 Concrete repairing and finishing work Removing scaffolding Shifting scaffolding Part No.4 Removal of scaffolding Removal and shifting of scaffolding	Top slab No work Wing wall Concrete repairing and finishing work Gate Slot area Removal and shifting of scaffolding Part No.1 Removing formwork and scaffolding Removing of scaffolding and shifting to outside Part No.4 Removal of scaffolding and carrying by manpower	Gate Slot area Shifting of scaffolding Shifting of scaffolding from part No.3,4 and 5 to outside Part No.1 and 2 Removing of scaffolding	Gate Slot Shifting of scaffolding Invert surface cleaning Wing wall Right side Concrete repairing work Part No.1 Removing of scaffolding Concrete repairing work and grinding Part No.2 & 3 Concrete repairing work and grinding Part No.2 Removing of scaffolding Part No.3 Removing of waste material and cleaning	Gate Slot area Invert surface cleaning Transition part Removing of scaffolding Part No.1 Removing of scaffolding and shifting to outside Part No.3 & 4 Right and Left wall Concrete repairing work and grinding
Diversion Tunnel B UNDER GROUND	Shear Zone Part No.1,2 & 4 Removal and shifting of scaffolding D/S K1+070~1+082 Finishing of invert 1m concrete K1+082~1+094 Fixing of formwork for invert 1m concrete Cleaning for invert 1m concrete K1+070~1+082 Surface finishing of invert concrete Right Side D/S K1+252~1+274 Applied 1st layer of shortcrete Left Side K1+255~1+260 Drilling for blast Charging Blast at 6:45Hrs Left side and center K1+255~1+285 Excavation and mucking Left side K1+270~ Excavation and loading K1+252~1+274 Arrangment for install of steel arches Install of steel arches Left wall K1+252~K1+274 Applied 1st layer of shotcrete Install of steel girders	Shear Zone Part No.1 & 2 Removal and shifting of scaffolding Part No.4 Left wall Chipping D/S K1+082~1+094 Cleaning for invert 1m concrete Final inspection and concrete allowed Pouring of invert 1m concrete Total Quantity poured= 109m3 Left side K1+270~ Excavation and mucking Left side K1+273~ Drilling for blast Charging and blasting Blast at 6:03Hrs Left side K1+265~ Drilling for blast charging Blast at 00:35Hrs Mucking and scaling Right wall K1+252~1+282 Welding work for steel arches Drilling for anchor bar of steel arches Grouting of anchor bars K1+280~ Excavation and mucking	D/S Left side K1+082 ~1+094 Finishing of 1m invert concrete Left sise K1+270~1+280 Excavation and mucking Right side K1+252~ 1+274 Fixing of scaffolding Grouting for anchor bars of 3m (28 No's) Left wall K1+250 ~1+260 Install of steel arches Left side K1+281~ Drilling for blast Charging for blast Blast 23:30Hrs Excavation Scaling and washing of surface Left wall K1+264~1+282 Applied 1st layer shotcrete Fixing of steel arches Diversion channel Excavation	Shear Zone Part No.1,2 & 3 Removal and shifting of scaffolding Part No.3 Right wall Concrete repairing work Part No. 4 Left side Removal and shifting of scaffolding D/S Left side K1+094~ Invert Surface cleaning Left side K1+070~1+082 Cleaning mud with excavator Left wall K1+250~1+260 Removing underbreak with jackhammer Install of steel arch Drilling for rock bolts 5m Grouting for anchor bars 7 nos (L=5m) of rock bolts installed and 30 numbers of anchors installed) Right wall K1+252~1+272 Fixing of scoffolding and formwork	Shear Zone Part No.1 Removing and shifting of scaffolding Part No.3 Right wall Concrete repairing work Part No.4 and 5 Left side Removing of scaffolding D/S Right side K1+130~1+142 Invert surface cleaning and fixing of formwork Pouring of 1m concrete Total Quantity poured (A-25/50mm) = 118m3 Right side K1+070~1+082 Invert surface cleaning Pouring of 1m concrete Total Quantity poured (A-25/50mm) = 132m3 Left wall K1+252~ 1+285 Drilling for rock bolts and anchor bars Grouting for rock bolts and anchor bars (30 pieces grouted (Rock bolts), 40 pieces grouted (Anchor bars) and 3 holes collapsed) Grouting for rock bolts (L=5m) Alignment and fixing of steel arches Right wall K1+250~1+265 Fixing of scoffolding and formwork Fixing of scoffolding and formwork Welding works Center K1+267~ Excavation and mucking Left side K1+270~1+285 Excavation and mucking
STARTER DAM LEFT BANK	No work	No work	No work	No work	No work
STARTER DAM RIGHT BANK	Cut-Off wall Phase II (Slot-3,4,5) Drilling for cut off wall Phase II (Slot-2) Hole No.1 Core drilling Dumping and leveling Phase II (Slot-3,4,5) , Phase I (Slot-4,5) Drilling for cut off wall Dumping and leveling at U/S of starter dam	Cut-Off wall Phase II (Slot-5) Hole No. 03 Drilling for cut off wall Phase II (Slot-4) Hole No. 2,4 Drilling for cut off wall Phase II (Slot-3) Hole No. 03 Drilling for cut off wall Phase I (Slot-3) Hole No. 5 Drilling for core sampling	Cut off wall Phase II (Slot-5) Hole No.2 Drilling for cut off wall Phase II (Slot-4) Hole No. 04 Drilling for cut off wall Phase II (Slot-3) Hole No.5 Drilling for cut off wall Phase II (Slot-2) Hole No.2 & 3 Drilling for cut off wall Phase I (Slot-6) Hole No.5 Drilling for cut off wall Drilling for cut off wall Dumping and leveling	Cut-Off wall Phase I (Slot-1) Hole No. 5 Drilling for cut off wall Phase II (Slot-1) Hole No. 3 Core drilling Phase II (Slot-4) Hole No. 2 & 4 Drilling for cut off wall Phase II (Slot-5) Hole No. 2 & 5 Drilling for cut off wall Phase II (Slot-2) Hole No.2 Core drilling Phase II (Slot-1) Hole No. 2 & 4 Drilling for cut off wall Phase II (Slot-3) Hole No. 5 Drilling for cut off wall Phase II (Slot-4) Hole No.4 Drilling for cut off wall Phase II (Slot-5) Hole No. 2 & 4 Drilling for cut off wall Dumping and leveling at U/S of cut-off wall 1	Cut-Off wall Phase I (Slot-1) Hole No.5 Drilling for cut-off wall Phase II (Slot-1) Hole No.3 Core drilling Phase II (Slot-4) Hole No.2 and 4 Drilling for cut-off wall Phase II (Slot-5) Hole No.2 and 5 Drilling for cut-off wall Dumping for access road of diversion tunnel at U/S of starter dam Dumping for access road of diversion tunnel at U/S of starter dam
ADIT 3-2	K0+075.5~0+079 Mucking and scaling Applied 1st layer of shotcrete K0+079~ Survey for blast Drilling for blast K0+079~ Charging for blast Blast 4:00Hrs (Explosive used= 270Kg) K0+229~0+222.5 Grouting for rock bolts 29 pieces of rock bolts grouted and 5 holes collapsed	K0+079~ Mucking and scaling Geological mapping (Q-value = 1.33) K0+042~ Survey for blast K0+229~ 0+222.5 No work	K0+082~ Drilling for blast Charging (Explosive used=225kg) Blasting caried out at 15:06Hrs Mucking and scaling Geological mapping (Q-value=1.5) Applied 1st layer of shorcrete K0+229~0+222.5	K0+085~ Drilling for blast Charging for blast Blast 15:34Hrs Mucking and scaling Geological mapping (Q-value 1.87) K0+085~ 0+087.51st layer shotcrtete sprayed 5m3 K0+229~0+222.5 Grouting of rock bolts (21Pieces installed and grouted, 10 holes collapsed) Scaling Survey for blast	K0+087.5~ Survey for blast Drilling for blast Charging Blast at 22:07Hrs Ventilation Mucking and scaling 1st layer of shotcrete K0+229~0+222.5 No work
Traffic Diversion Tunnel	K0+810~0+840 Drilling for weep holes K0+874 ~0+888 Grouting and install of rock bolts (54 pieces of rock bolts installed and 2 holes collapsed) Invert cleaning K0+889~ Survey and marking for blast Drilling for blast Charging Blast 2:24Hrs Ventillation Mucking and scaling K1+350~ Geological Mapping (Q-Value= 0.2) Applied 1st layer of shotcrete K1+353~1+350 Marking and drilling for rock bolts	K0+889~ Mucking and scaling Geological mapping (Q-value 1.26) Install of thickness pins for 1st layer of shotcrete K0+892~Survey for blast Drilling for blast Charging for blast Blast at 4:36Hrs Mechanical ventilation K1+353~1+350 Grouting and install of rockbolt (30 pieces installed and 2 holes collapsed)	K0+892~ Mucking and scaling Geological mapping (Q-value = 1.46) Install of thickness pin 1st layer of shotcrete K0+895~ Survey for blast Drilling for blast Charging K1+353~1+350 Install of steel arches Grouting for steel ribs anchoring (50 No's)	K0+892~ Charging Blast and ventilation Mucking and scaling Geological mapping (Q-value 1.67) Scaling K0+860~0+864 Shifting of wiremesh and its arrangement Fixing of wiremesh K1+353~ 1+350 Install and grouting of anchor bars for steel arches welding work for steel arches Spraying 2nd layer shotcrete Quantity 16m3 K1+345 Survey and marking for blast Drilling for blast Charging Blast 2:36Hrs Mucking	K0+895~Mucking and scaling K0+895~0+898.5 Applied 1st layer of shotcrete K0+839~0+852 Applied 2nd layer shotcrete Leveling 0+865~ Fixing of wiremesh K0+898.5~ Drilling for blast and also (R/S for niche) K0+888~0+898 Drilling for rock bolts K0+850~0+890 Drilling for weep holes K1+353~1+350 Applied 2nd layer shotcrete K1+345~ Mucking and scaling K1+344~ Drilling for blast Charging for blast Blast at 1:32Hrs Mucking and scalling
Cable crane foundation (Right Bank)	Base Elevation 1019.88 EL: 1058~1055 No work due to break down of drill jambo	Base Elevation 1019.88 EL: 1058~1055 No work	Base Elevation 1019.88 EL: 1058~1055 No work	Base Elevation 1019.88 EL: 1058~ Drilling for blast	Base Elevation 1019.88 EL: 1058~ Drilling for blast
Uchar New Crushing plant	Install of batching plant equipments Welding work at crush plant Stone masonry Block masonry for fuel tank	Install of batching plant equipment`s Welding work at crush plant Stone masonry	Install of batching plant equipment Install of reinforcement for batching plant gate piller Welding work at crush	Install of batching plant equipment`s Install of Formwork for batching plant gate piller Welding work at crush plant	Install of batching plant equipment Install of formwork for batching plant gate pillers Welding work at crush plant

	Arrangement of concrete for generator room slab Pouring of concrete	Leveling for aggregate storage area	plant Block masonry Welding work at crush plant Block masonry		
Kass Camp	Install of steel shelter for Chinese offices Joint filling between two rooms Install of swerage pipe line valve Brick work for washrooms Plaster work at the top of first block Brick work at the top of first block Electricity fitting inside the room Pouring of concrete for room leveling	Install of steel shelter for Chinese offices Joint filling between two rooms Install of swerage pipe line valve Brick work for washrooms Plaster work at the top of first block Brick work at the top of first block Electricity fitting inside the room Decorative works	Install of boundary walls Excavation dumping leveling Electricity wires fitting Door install Brick masonry Stone masonry Painting Welding work	Fixing of washroom tiles Install of boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Electricity cables fitting Painting work Making of Steel stair Install of doors	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Door install work Lean concrete for offices floors
CR-5-2 / LU-2	No work	No work	No work	No work	No work
Date/Day / Location	**16 Mon.**	**17 Tue.**	**18 Wed.Sun.**	**19 Thu.**	**20 Fri.**
Diversion Tunnel A INLET	K0+002.3~0-033 Right side Green cutting and curing COFFER DYKE BETWEEN DTA & DTB Invert cleaning for coffer dyke Part No.1 and 4 Fixing of scaffolding	K0+002.3~0-033 Right and Left wall Green cutting and curing COFFER DYKE BETWEEN DTA & DTB Invert cleaning for the coffer dyke Part No.1 and 4 Fixing of scaffolding	Transition part Fixing of steel Top slab Part No.1 Left and Right side Fixing of formwork and scaffolding Left and Right wall outside Fixing of formwork and scaffolding Fixing of formwork and scaffolding COFFER DYKE BETWEEN DTA & DTB Invert cleaning for coffer dyke Invert cleaning for coffer dyke Shifting steel for transition parts Part No. 1 and 4 Fixing of scaffolding	Transition part Fixing of steel Top slab part 01 Right and Left side Fixing of formwork and scaffolding Outside Left and Right side Fixing of formwork and making acces COFFER DYKE BETWEEN DTA & DTB Invert cleaning for coffer dyke Pouring of concrete Total quantity poured= 46m3 Part No. 1 and 4 Fixing of scaffolding at crown area Fixing of formwork at left and right wall at part No.4	Transition part Fixing of steel Top slab part No.1 Right and Left side Fixing of formwork Outside Left and Right Wall Fixing of formwork and making access Fixing of formwork and making access COFFER DYKE BETWEEN DTA & DTB Curing of concrete surface Arrangement and install formwork Part No.1 Fixing of scaffolding Part 4 Left and Right Wall Fixing of formwork and welding work
Diversion Tunnel A UNDER GROUND	INVERT U/S K0+309~ 0+400 Right side Invert surface cleaning K0+309 ~0+321 Right side Arrangment for pouring of concrete Pouring of invert 1m concrete Total quantity poured 125m3 K0+321~0+400 Right side D/S K1+460~ 1+480 Left side Excavation of surface K1+460~1+480 Left side Excavation Diversion channel Excavation and mucking Drilling for boulder blast	INVERT K0+321~0+333 Right side Cleaning surface for 1m invert concrete Fixing of formwork Pouring of concrete allowed at 17:50Hrs K0+309~0+321 Right side Finishing of concrete surface K0+357 ~0+381 Right side Cleaning of Sluge D/S K1+460~1+480 Left side and half center Drilling for blast Charging Blast at 2:10Hrs Excavation and mucking K1+240~ 1+280 Right side Cleaning of rock surface for lean concrete Right Side K1+290~ Excavation and mucking Diversion channel Excavation and mucking Adit 1 K0+798.6~0+802.6 Cleaning surface for plug concrete Fixing of scaffolding Fixing of wire mesh	INVERT Right side K0+321~0+333 Cleaning of surface Pouring of invert 1m concrete Surface finishing Total quantity poured = 130m3 Right side K0+357~0+381 Cleaning of surface Right side 0+381~0+393 Cleaning of sludge D/S Right side K1+240~ 1+280 Cleaning of rock surface for leveling concrete D/S Right side K1+240~1+280 Cleaning of rock surface for leveling concrete Adit 1 K0+798.6~0+802.6 Fixing of formwork and scaffolding for plug concrete	INVERT Right side K0+357 ~0+381 Cleaning of surface Right side K0+381~0+393 Cleaning of sludge D/S Left side and half Center K1+460 ~1+480 Right side 1+240 ~1+280 Cleaning of rock surface for lean concrete Right side K1+280~ Excavation Adit 1 K0+798.6~0+802.6 Fixing of formwork and scaffolding for plug concrete and welding work Diversion channel Excavation and mucking	INVERT Right side K0+381 ~0+393 Cleaning of sludge D/S Left Side K1+435~ 1+480 Making ramp access Right side K1+240~1+280 Cleaning of rock surface for lean concrete Cleaning of rock surface for lean concrete Right side K1+300~ Excavation and mucking Diversion channel Excavation and Mucking Adit 1 K0+798.6~0+802.6 Making of access and cleaning Fixing formwork Cleaning and arrangement for concrete
Diversion Tunnel B Inlet	Part No.1 Removing of scaffolding and shifting to outside	Left wall and Middle pier Removing of scaffolding Removing of scaffolding Gate slots area Cleaning Part No.1 Removing of scaffolding and shifting to outside	Transition part Right wall and Middle pier Removing scaffolding and shifting to inlet Gate slots area Cleaning Part No.1 Shifting of scaffolding to outside	Transition part Right wall and Middle pier Shifting of scaffolding to intlet Gate slot area Cleaning and finishing Part No.1 Shifting of scaffolding to outside Part No.1 Right and Left wall Finishing of concrete surface with grinder	Right wall and Middle pier Shifting of scaffolding to inlet Gate slot area Shifting of scaffolding to inlet Cleaning,finishing and repairing work DTB Inlet outside Drilling for dyke Part No.1 Shifting of scaffolding to outside
Diversion Tunnel B UNDER GROUND	Shear Zone Part No.1 and 2 Removing of scaffolding and shifting to outside D/S K1+130 ~1+142 Right side Surface finshing of concrete K1+070~ 1+082 Right side Surface finshing of concrete K1+082~1+094 Right side Survey and arrangement for 1m invert concrete Pouring of 1m concrete Total quanity poured = 132m3 K1+085~1+094 Right side Pouring of invert 1m concrete K1+142~ 1+154 Right side Pouring of invert 1m concrete K1+250~1+265 Left wall Welding work K1+252.5 ~1+271.34 Right wall Fixing of formwork Pouring of concrete Quantity of concrete poured = 32m3 Fixing of formwork and welding works Outlet EL. 769~ Fixing of formwork K1+224~1+252 Left and Right wall Applied 1st layer of shotcrete Quantity executed 24m3 K1+277~1+285 Left side Applied 1st layer of shotcrete quantity executed 8m3 K1+252~ 1+262 Right wall Grouting of remaining rock bolt 1 piece installed and grouted Right wall Outside Grouting of rock bolts 2 pieces grouted (L= 4m)	Part No.1 Left and Right wall Finishing of concrete surface with grinder D/S K1+082~ 1+094 Right side Finishing of concrete K1+142~1+154 Right side Pouring of invert 1m concrete Total quantity poured= 125m3 K1+252~1+274 Right side Fixing of formwork for backfill concrete surface cleaning for concrete Outlet EL 769~ Fixing of scaffolding K1+274~1+276 Right side Fixing of formwork and steel arches Excavation and mucking K1+094~1+106 Right side Cleaning surface for 1m concrete Pouring of invert 1m concrete Total quantity poured= 130m3 Surface finishing K1+106~1+118 Right side Surface cleaning for invert 1m concrete K1+118~1+130 Right side Surface cleaning for invert 1m concrete Pouring of invert 1m concrete Total quantity poured= 144m3 K1+154~1+166 Right side Surface cleaning for invert 1m concrete	Part No.1 Left and Right wall 2nd Lift Concrete surface finishing with grinder D/S Left side K1+252~1+274 Fixing of formwork and Scaffolding Fixing of formwork and Scaffolding Right side K1+252.5~1+271.34 Fixing of formwork and Scaffolding Pouring of self compacted concrete Formwork plates opened, sufficient quantiy of concrete wasted and contractor started fixing of formwork again Resume pouring of concrete Total quantity poured (SCC-25) = 24m3 Note: 14 m3 quantity of concrete wasted due to opening of formwork Right side K1+154~ 1+166 Cleaning of surface Pouring of invert 1m concrete Total Quantity poured 120m3 Surface finishing Right side K1+094~1+106 Finishing of concrete surafce K1+118~1+130 Finishing of concrete surafce K1+106~1+118 Pouring of concrete Total Quantity poured = 146m3	Part No.1 Left and Right wall Removing of scaffolding and shifting to outside with the help of wheel loader D/S K1+166~1+178 Right side Pouring of concrete Total quantity poured = 122m3 K1+252~1+282 Left wall Fixing of formwork and scaffolding Welding work Welding work K1+252.5~1+271.34 Right wall Fixing of formwork and scaffolding K1+252.5~ 1+282 Left wall Grouting of canopy tube Outlet Right side 2nd Lift EL.770~767 Fixing of formwork for concrete Pouring of concrete Total quantity poured = 46m3 Outlet Left side EL 777~767 Fixing of wire mesh	Part No.1,2,3 Shifting of scaffolding to outside Remove scaffolding from part No.1 both walls Shifting of scaffolding to outside K0+327~0+350 Applied repairing shotcrete on crown portion D/S K1+166~ 1+178 Right side Pouring of invert 1m concrete 7:30~9:20Hrs Total quantity of concrete poured (108m3+24m3)= 132m3 Finishing of concrete surface K1+178~1+190 Right side Cleaning for invert concrete Pouring of invert 1m concrete Total quantity of concrete poured 126m3 K1+202~1+214 Right side Pouring of invert 1m concrete Total quantity of concrete poured = 112m3 Finishing of concrete surface K1+252~1+282 Left wall Fixing of formwork and scaffolding Welding work Pouring of self compacted concrete Total quantity poured = 46.5m3 K1+240~1+250 Right side Cleaning for lean concrete K1+252.5~1+271.34 Right wall Fixing of formwork and Pouring of SCC concrete 12:20~16:30Hrs Total quantity poured = 28m3 Fixing of formwork and scaffolding
STARTER DAM LEFT BANK	No work	No work	No work	No work	No work
STARTER DAM	Cut-off wall Drilling for cut off wall phase-II - Slot-3 (Hole #03) -	Cut-off wall i) Drilling for cut off wall phase-II - Slot-3 (Hole #03)	Cut-off wall	Cut off wall	Cut off wall

RIGHT BANK	Slot-5 (Hole #03) Drilling for cut off wall phase-I -Slot- 4 (Hole #05) -Slot- 5 (Hole #05) Dumping and leveling for right bank diversion tunnel access road at U/S of starter dam Dumping and leveling for right bank diversion tunnel access road at U/S of starter dam	- Slot-5 (Hole #03) (ii) Drilling for cut off wall phase-I -Slot- 4 (Hole #05) -Slot- 5 (Hole #05) Phase-II (Slot-1) Cleaning of mud Pouring of concrete Total quantity poured (C-20) = 72m3 Dumping and leveling for Right bank diversion tunnel access road U/S Dumping and leveling for Right bank diversion tunnel access road U/S	(i) Drilling for cut off wall phase-II 7:30~17:30Hrs (ii) Drilling for cut off wall phase-II - Slot-2 (Hole #03) - Slot-3 (Hole #04) - Slot-4 (Hole #03) - Slot-5 (Hole #05)	(i) Drilling for cut off wall phase-II 7:30~19:30 Drilling for cut off wall phase-II - Slot-3 (Hole #02) - Slot-4 (Hole #04) - Slot-5 (Hole #02,05)	Drilling for cut off wall phase-II 7:30~19:00Hrs Drilling for cut off wall phase-II - Slot-2 (Hole #3) - Slot-3 (Hole #2) - Slot-4 (Hole #4,#2) - Slot-5 (Hole #3,#2,#5) Drilling for cut off wall Phase-I Drilling for cut off wall phase-I -Slot - 1(Holes#3) -Slot- 4 (Holes #5) Drilling for core phase-II -Slot4 (Hole #5)
ADIT 3-2	K0+065~0+087.5 Marking for the drilling of rockbolt Drilling for rock bolts K0+219~ Survey for blast Drilling for blast Charging (Explosive used= 100kg) Blast at 5:03Hrs Mucking	Face chainage K0+ 090 K0+ 065~0+087.5 Drilling for rock bolts Grouting of rock bolts 77 pieces of rock bolts grouted in the day shift Grouting for rock bolts K0+ 090~ Survey for blast K0+219~ Mucking and scaling 1st layer of shotcrete K0+216~ Survey for blast Drilling for blast Charging and blasting	K0+ 090~ Drilling for blast Applied a layer of shotcrete K0+ 090~ Survey for blast Drilling for blast Charging & blasting Mucking K0+216.5~ Mucking and scaling (Q-value=0.33) K0+215~ Applied 1st layer of shotcrete K0+215~ Survey for blast Drilling for blast	K0+090~0+092.5 Mucking and scaling Geological mapping (Q-value 1.67) Install of thickness pins Applied 1st layer shotcrete K0+092.5~ Drilling for blast Charging and blasting 23:00~1:10Hrs Mucking and scaling K0+215~0+212 Charging and blasting Blast at 10:23Hrs Mucking Applied 1st layer of shotcrete K0+222~0+212 Marking for rock bolts Drilling for rock bolts	KO+092.5~ Geological mapping (Q-value=1.67) Applied 1st layer of shotcrete K0+097~ survey for blast Drilling for blast Charging and blasting Mucking and scaling Redrilling for removal of underbreak Charrging and blasting K0+218~Grouting for rock bolts (44pieces grouted) K0+211~ Survey for blast Drilling for blast Charging and blastIng Mucking and scaling
Right Bank Diversion Inlet			Dumping and leveling for right bank diversion tunnel access road	Dumping and leveling for right bank diversion tunnel access road	No work (Due to excavator breakdown)
Right Bank Diversion Outlet			EL. 782~ Drilling for canopy tubes	EL. 782~ Drilling for canopy tubes Install of canopy tubes	EL. 782~ Drilling for canopy tubes
Traffic Diversion Tunnel	Face chainage: K0+900 K0+865~880 Fixing of wire mesh K0+884~ 0+894 Grouting of rock bolts K0+865~0+880 Fixing of wire mesh Grouting of rock bolts K0+898.5~0+900 Charging Blast at 2:55Hrs Ventilation Mucking and scaling K1+348~ Mucking and scaling Applied 1st layer of shotcrete	Face chainage: K0+904 KO+898.5~0+904 Mucking and scaling Geological mapping (Q-Value =1.67) K0+898.5 ~0+904 Applied 1st layer of shotcrete K0+840~ 0+852 Applied remedial layer of shotcrete K0+901.6~ Survey and marking for blast Drilling for blast Charging Blast at 3:45Hrs Mechanical ventilation Excavation & mucking K1+348~1+355 Drilling for rock bolts Grouting of rock bolts 26 pieces of rock bolts grouted Shfting of steel arches	K0+901.6~ Excavation & mucking Geological mapping (Q-value=1.67) K0+901.6~0+904 Applied 1st layer of shotcrete K0+904~ Survey for bast Drilling for blast Charging Blast at 4:20 K1+346~1+350 Fixing of steel arches Drilling for anchor bars Grouting and install of anchor bars	Face chainage: K0+907.5~ K0+872~ 0+877 Install of wire mesh K0+905- Mucking and scaling Geological mapping Arrangment of 1st layer shotcrete K0+905~ Applied 1st layer of shotcrete invert leveling Survey for blast K0+907.5~ Drilling for blast Charging and blasting K1+346~1+350 Grouting and install of anchor bars 70 Pieces of anchor bars installed K1+342~1+346 Applied 2nd layer of shotcrete K1+342~ Drilling for blast Charging and blasting	Face chainage: K0+910.5~ K0+877~0+822 Fixing of wiremesh K0+907~ Mucking and scaling Geological mapping (Q-value 1.67) Applied 1st of layer shotcrete K0+877~ Fixing of wiremesh k0+910.5- survey for blast Drilling for blast Charging and blasting Ventilation Mucking and scaling K1+343~ Charging for blast Blast at 11:20Hrs (Explosive used= 135kg) Mucking and scaling 12:30~17:30Hrs K1+341~ Survey for blast Drilling for blast Charging and blasting
Cable crane foundation (Right Bank)	Base Elevation: EL.1019.88 EL: 1058~ Drilling for blast	Base Elevation: 1019.88 working Elevation: 1057~1052 Charging (Explosive used = 20kg) Blast at 13:59Hrs Excavation	Base Elevation 1019.88 EL. 1057~ Drilling for blast	Base Elevation 1019.88 El. 1057~ Drilling for blast	Base Elevation: 1019.88 EL: 1058~ Charging Blast at 18:06Hrs
Uchar New Crushing plant	Install of batching plant equipments & welding works Stone masonry at Retaining wall No.3	Stone masonary at retaining wall No.3 Fixing of formwork for foundation pillar Fixing of formwork for parapet wall Generator room Fixing of scaffolding for roof Fixing of scaffolding for roof Fixing of formwork for foundation pillar Fixing of formwork for parapet wall	Stone masonary at retaining wall No.3 Fixing of formwork for pillar foundation Fixing of formwork for parapet wall Welding works Welding works Stone masonary at retaining wall No.3 Fixing of formwork for pillar foundation Fixing of formwork for parapet wall	Stone masonary at Retaining wall No.3 Fixing of formwork for parapet wall Fixing of formwork for parapet wall Welding work Fixing of sheets for roof	Stone masonry at Retaining wall No. 3 Fixing of formwork for parapet wall Fixing of formwork for parapet wall Fixing of formwork for pillar Fixing of formwork for pillar Welding work
Kass Camp	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Door install work	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Install of doors	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Install of doors	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Install of doors	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Install of doors
CR-5-2 / LU-2	No work	No work	No work	No work	No work
Date/Day / Location	**21 Sat.**	**22 Sun.**	**23 Mon.**	**24 Tue.**	**25 Wed.**
Diversion Tunnel A INLET	Transition part Fixing of reinforcement Top slab part No.1 Right and Left side Fixing of formwork and Welding work Left and Right Wall Fixing of formwork and making acces Middle pier at top slab Fixing of formwork COFFER DYKE BETWEEN DTA & DTB Welding and fixing of steel for support of formwork and scaffolding Part No.1 Fixing of scaffolding Part No.4 Left and Right Wall Fixing of formwork and welding work	Left and Right Wall Fixing of formwork and reinfocrement Shifting of reinfocrement and scaffolding from ground Fixing of formwork and reinfocrement Middle pier top slab Fixing of formwork Shifting formwork from down surface Fixing of formwork No work Transition part Shifting scoffolding and formwork COFFER DYKE BETWEEN DTA & DTB Invert drilling for anchor bars Part No.1 Fixing of scaffolding Part No. 4 Left and Right Wall Shifting of reinforcement and formwork from ground to top portion	Top slab Left and Right Side Fixing of formwork and fixing of steel Left and Right Wall. Fixing of formwork and fixing of steel Making acces Middle pier top slab Fixing of formwork COFFER DYKE BETWEEN DTA & DTB Invert drilling for anchor Fixing of formwork Transition part Shifting of steel and scaffolding Part 1 Fixing of scaffolding Part 4 Left and Right Wall Support work at walls and fixing of formwork at crown	Top slab Left and Right Side Fixing of formwork and scaffolding Left and Right Wall Fixing of formwork and Steel Welding work Transition part Right Wall Steel fixing Shifting steel from outside to right wall Middle pier Fixing of formwork Welding work Coffer dyke between DTA & DTB Grouting for anchor bars (20pcs grouted) Fixing of formwork Part -1 Shifting and fixing of scaffolding Part 4 Left and Right Wall Fixing of formwork at crown and support work Fixing of Formwork and steel Welding works	Top slab Formwork fixing and tie bar support work Fixing of steel and formwork Middle pier Fixing of scaffolding and formwork Coffer dyke between DTA & DTB Cleaning concrete surface Fixing of formwork and welding Fixing of scaffolding Part -1 Fixing of scaffolding Shifting of scaffolding for crown Part 4 Left and Right Wall Fixing of formwork at crown Scaffolding fixing
Diversion Tunnel A UNDER GROUND	INVERT No work D/S Right side 1+240~1+280 Cleaning of rock surface for lean concrete Adit 1 K0+798.6~0+802.6	INVERT Right side K0+333 ~0+345 Pouring of invert 1m concrete Total quantity poured = 137m3 Surface finshing	INVERT Right side K0+333~0+345 Pourirng of 1m concrete (Quantity 137m3)	D/S K1+280~ Right side Invert drilling for blast Charging and blasting Excavation and mucking Right side K1+320~ 1+340 Excavation and loading	INVERT Right side K0+345 ~0+357 Cleaning of surface for invert concrete K0+297 ~ 0+333 Cleaning of mud and sediments from concrete surface D/S K1+285~1+340 Right side

	Cleaning and arrangement for concrete Diversion channel Excavation and mucking	D/S Right side K1+240 ~1+280 Cleaning of rock surface for lean concrete Arrangement for lean concrete Pouring of lean concrete Total quantity poured = 244m3 Right side K1+285~1+295 Cleaning of sludge Right side K1+330~1+340 Excavation and mucking Left side K1+137~1+161 Cleaning of rock surface for lean concrete Diversion channel Excavation and mucking Adit 1 0+798.6~0+802.6 Arrangement for concrete	Finishing of concrete surface D/S Right side K1+240~1+280 No work Right side K1+470~ Mucking and excavation Right side 1+320~1+330 Mucking and excavation Diversion channel Excavation and mucking Adit 1 K0+798.6~ 0+802 Plug Pouring of concrete Pouring of concrete Total poured 110.4m3	Excavation and mucking Right side K1+436~ 1+450 Excavation and mucking Diversion channel Excavation and mucking Adit 1 K0+798.6~K+802 Plug 4 n Pouring of concrete (Total Quantity 140.4m3)	Mucking and excavation K1+380~1+410 Right side Excavation and loading K1+242~1+340 Right side Rock surface cleaning for lean concrete Diversion channel Excavation and mucking Adit 1 K0+798.6~ K0+802.6 Plug 4 Chipping and fixing of formwork Fixing of scaffolding and formwork
Diversion Tunnel B Inlet Portal	Right wall at transition part Removing of stairs Gate slot area Shifting of scaffolding to inlet Part No.1 Shifting of scaffolding to outside	Right wall at transition part Removing of stairs Gate slot area Shifting of scaffolding to inlet Cleaning and repairing work Top slab (Left side) Shifting of scaffolding DTB inlet dyke Drilling for dyke Part No.1 Shifting of scaffolding to outside Repairing work Cleaning of invert concrete surface	Gate slot area Cleaning and repairing work Top slab Right and Left side Removal and Fixing of scaffolding Part No.1 Shifting of scaffolding to outside	Middle pier and Right wall Removing of formwork Gate slot area Removing and shifting of formwork Part No.1 Shifting of scaffolding to outside	Middle pier and Right wall Removing of formwork Part No.1 Shifting of remaining scaffolding to outside and surface cleaning Cleaning and washing of invert surface
Diversion Tunnel B UNDER GROUND	D/S K1+190~1+202 Right Side Cleaning for invert 1m concrete K1+252.5~ 1+282 Left wall Fixing of formwork and scaffolding Welding work K1+252.5~ 1+271 Right wall (4th Lift) Fixing of formwork and scaffolding Arrangement for SCC backfill K1+220 ~1+252 Right side Removing of loose material and Cleaning for lean concrete Outlet Left side EL 777~767 Drilling for rockbolt Outlet Rihgt side EL 770~772 Fixing of scaffolding Fixing of formwork	Part No.1,2 No work Cleaning of invert concrete surface Part No.4 Shifting of scoffolding to outside with the help of umpers D/S K1+190~1+202 Right Side Dewatering K1+252.5~1+282 Left wall Fixing of formwork and scaffolding Pouring of backfill concrete Total qantity poured (SCC) = 16m3 Fixing of formwork and scaffolding K1+252.5~ 1+271.34 Right wall 4th Lift Fixing of formwork and scaffolding Fixing of formwork and scaffolding Pouring of backfill concrete Concrete stopped due to opening of formwork Pouring of concrete resumed Total qantity poured (SCC) = 40m3 K1+220~1+252 Right side Pouring of lean concrete Total qantity poured = 112m3 K1+190~1+202 Right side Pouring of invert 1m concrete Total qantity poured =120m3 Outlet Left side EL 777~767 No work Arrangment for grouting Outlet Right side EL 770~772 No work Fixing and adjustment of formwork	Shifting by dumper to remaning scoffolding from surface Repairing work Part -1, 2 Cleaning sludge D/S K1+190~ 1+202 Right Side Surface finishing K1+252.5~ 1+282 Left wall Fixing of formwork and scaffolding K1+252.5~ 1+271.34 Right wall 5th Lift Fixing of formwork and welding Fixing of formwork and welding K1+252.5~1+271.34 Left wall 4th Lift Fixing of formwork and welding K1+214~1+226 Right side Cleaning of surface for invert concrete and fixing formwork Cleaning of surface for invert concrete Pouring of concrete Total poured Qty =122m3 Surface finshing K1+273~ 1+285 Left wall Grouting for canopy tubes 12 Pcs grouted K1+232~ 1+250 Right side Invert grouting (7 peices Grouted) K1+250~1+280 Right side Excavation and loading Outlet Rihgt side Slop protection EL 770~772Pouring of concrete Quantity 36m3	Cleaning of mud material Crack repairing at crown part-3 D/S K1+285~Left wall Grouting for canopy tubes (9pcs grouted) K1+252.5~1+282 Left wall Fixing of formwork and scaffolding Welding work Fixing of formwork and scaffolding K1+252 ~1+271.34 Right wall 5th Lift Fixing of formwork and welding Pouring of self compected concrete Total poured Qty 104m3 K1+214~1+226 Right side Surface finishing K1+238~ 1+250 Right side Cleaning of surface Pouring of 1m concrete Total poured Quantity 99m3 Surface finishing Surface finshing K1+250 ~1+270 Right side Excavation with jack hammer and loading Excavation and mucking Invert cleaning for leveling concrete Outlet Left side EL 777~767 No work Outlet Right side EL 770~772 Removing of formwork from 3rd lift and fixing at 4th lift	Part-1 to 5 Cleaning of mud material Crack repairing at crown part-3 Drilling for weepholes at walls D/S K1+126~1+138 Right side Cleaning of surface for invert 1m concrete Pouring of concrete Total Quantity poured 118m3 Surface finishing K1+250~1+267 Right side Invert rock surface cleaning for lean Pouring for lean concrete 40m3 K1+252.5~1+271.34 Right wall 6th Lift Pouring of backfill self-compacted concrete 16m3 K1+252 ~1+282 Left wall Fixing and welding of steel plates and scaffolding for backfill concrete Fixing and welding of steel plates Pouring of backfill self-consolidation concrete 24m3 Grouting for canopy tubes (13 nos) K1+255~ 1+275 Left side Loading and mucking of muck material Outlet Left side EL 777~767 No work Outlet Right side EL 770~772 No work K0+350 ~0+530 Invert concrete surface cleaning of mud and sediments
STARTER DAM LEFT BANK	No work	No work	No work	No work	No work
STARTER DAM RIGHT BANK	Cut off wall Drilling for cut off wall phase-II - Slot-2 (Hole #3) - Slot-3 (Hole #2) - Slot-4 (Hole #2) - Slot-5 (Hole #2,#5) Drilling for cut off wall Phase-I -slot -1(Holes 03)	Cut off wall Drilling for cut off wall phase-II 7:30~17:30Hrs Drilling for cut off wall phase-II - Slot-2 (Hole #3) - Slot-3 (Hole #2) - Slot-4 (Hole #2) - Slot-5 (Hole #2,#5) Drilling for cut off wall Phase-I -Slot -1(Holes #4) - Slot-2 (Hole #3) - Slot-3 (Hole #2) - Slot-4 (Hole #2) - Slot-5 (Hole #2,#5) Drilling for cut off wall Phase-I	Cut off wall Drilling for cut off wall Phase-II - Slot-2 (Hole 03) - Slot-3 (Hole 02) - Slot-4 (Hole 02) - Slot-5 (Hole 01,05) Drilling for cut off wall Phase-I -Slot -1(Holes 2) - Slot-2 (Hole 5) - Slot-3 (Hole 4) Phase-II - Slot-3 (Hole 4) - Slot-4 (Hole 1 , 5) - Slot-5 (Hole 1 ,3, 5)	Cut off wall Drilling for cut off wall Phase-I -Slot-1 (Hole 2) -Slot-4 (Hole1,5) Phase-II -Slot-2 (Hole 4) -Slot-3 (Hole 5) -Slot-4 (Hole 3) -Slot-5 (Hole 4) Drilling for cut off wall Phase-I -Slot-3 (Hole1,5) -Slot-4 (Hole1,5) -Slot-5 (Hole 1) -Slot-1 (Hole 2) -Slot-2 (Hole1,5) Phase-II -Slot-3 (Hole 4) -Slot-5 (Hole 1,5)	Cut off wall Drilling for cut off wall Phase-II -Slot-3 (Hole 02,04) -Slot-4 (Hole 05) -Slot-5 (Hole 01,03) Drilling for cut off wall Phase-I -Slot-1 (Hole 02) -Slot-2 (Hole 05) Night Drilling for cut off wall phase-II -Slot-2 (Hole 1,2,4,5) -Slot-4 (Hole 1) -Slot-5 (Hole 1,3,4) Drilling for cut off wall Phase-I -Slot-1 (Hole 2) -Slot-2 (Hole 1)
Right Bank Diversion Inlet	Dumping for access of diversion tunnel U/S	Dumping for access diversion tunnel U/S	Dumping for access to diversion tunnel U/S	Drilling for blast Charging for blast Blast 17:10Hrs Excavation and loading Scaling	Drilling for canopy tube Install of canopy tubes
Right Bank Diversion Outlet	EL. 782~ No work (Due to shortage of resources)	EL. 782~ No work (Due to rain) Drilling for canopy tubes No work (Due to rain) k0+520 EL. 782~ Arrangement for grouting Grouting for canopy tubes	EL. 782~ Drilling for canopy tubes	K0+575 EL. 782~ Drilling for canopy tube	K0+575 EL. 782~ Drilling for canopy tube
ADIT 3-2	K0+097~ Charging for additional blast Blast at 10:32Hrs Mucking and scaling K0+211~ No work	K0+099~ Mucking and scaling Drilling for additional blast for underbreak removal Charging Blast at 18:15Hrs Mucking and scaling Applied 1st layer of shotcrete K0+208~ Mucking and scaling Install of thickness pins Applied 1st layer of shotcrete Survey for blast Drilling for blast Charging Blast at 23:36Hrs Mucking and scaling K0+215~ Drilling for weep holes	K0+101~ Survey for blast drilling for blast charging Explosive=250Kg Blast 16:12Hrs Mucking and scaling Charging for additional blast 21:30Hrs ~ Blast 01:20Hrs Mucking and excavation 1st Layer shotcrete K0+208~ Excavation and scaling Install of thickness pin Geological mapping Spraying 1st layer shotcrete Quantity 8m3 K0+204.5~ Survey and denation for blast	K0+104~ Survey for blast Drilling for blast Charging for blast Blast carried out 17:50Hrs Excavation and mucking K0+204.5~ Excavation and scaling Install of thickness pin Spraying 1st layer shotcrete (5m3) K0+201.5~ Survey for blast Drilling for blast Charging for blast Blast carried out 2:10Hrs Excavation and mucking	K0+107~ Mucking and scaling Install of thickness pin 1st layer shotcrete sprayed 4m3 K0+110~ Drilling for blast Charging and blast (250Kg) Mucking and scaling K0+201~0+197 Excavation and scaling Install of thickness pin Geological mapping (Q value 0.5) Spraying 1st layer shotcrete (Quantity 5m3) K0+197~ Survey for blast Drilling for blast Charging and blast (212KG) Mucking and scaling

			Drilling for blast Charging BLast :02:35Hrs Explosive=200Kg Mucking and excavation		Geological mapping 1st layer of shotcrete sprayed 8m3
Traffic Diversion Tunnel Portal	k0+910.5~ Excavation and mucking K1+341~ Mucking and scaling	K0+882~ Fixing of wiremesh K0+910.5~ Excavation and mucking Geological mapping (Q-value= 1.6) Shift change Install of thickness pins K0+910.5~0+913.5 Applied 1st layer of shotcrete K0+894~ 0+912 Drilling for rock bolts K0+800~0+860 Drilling for weep holes K1+341~ Applied 1st layer of shotcrete Shotcrete jumbo breakdown Again started applying of shotcrete Total quantity executed= 12m3 Drilling for blast Charging Blast at 23:58Hrs Mucking and scaling	Face CH : K0+916 K0+894~0+911 Grouting for rock bolts (56peices grouted) Survey and marking for blast Drilling for blast Charging for blast Blast and ventilation Mucking K1+346~ 1+343 Grouting for rockbolt (24 rock dowel installed) Spraying a layer of shotcrete	Face CH : K0+919 K0+887~0+900 Fixing of wire mesh K0+913~ 0+916 Mucking and scaling Invert leveling Install of thickness pin Arrangement for 1st layer shotcrete Spraying 1st layer shotcrete 6m3 Survey for blast K0+916~ 0+919 Survey and marking for blast Drilling for blast Charging for blast Blast and ventilation Mucking and scaling K1+346~ Fixing of steel arch K1+343~ Drilling for blast Charging and blasting Blast carried out 1:30Hrs Excavation and mucking	Face CH : K0+919.5 K0+916~0+919 Mucking and scaling Geological mapping (Q.V 1.46) Install of thickness pin K0+916 ~0+919.5 1st layer shotcrete sprayed 6m3 K0+852~0+900.0 Execution of 2nd layer shotcrete (24m3) K0+919.5 Survey and marking for blast K1+343~1+346 Spraying for 1st layer shotcrete (Quantity 8m3) K1+346~ Spraying 2nd layer shotcrete K1+343~ Install of steel arches
Cable crane foundation (Right Bank)	Base Elevation 1019.88 EL: 1058~ No work	Base Elevation 1019.88 EL: 1057~ No work 7Due to rain	Base Elevation 1019.88 EL: 1057~ No work Due to rain	Base Elevation 1019.88 EL: 1057~ Excavation	Base Elevation 1019.88 EL: 1058~ No work
Uchar New Crushing plant	Stone masonary at Retaining wall No.3 Stone masonary at Retaining wall No.2 Fixing of scaffolding for generator room Welding work	Stone masonary at Retaining wall No.3 Stone masonary at Retaining wall No.2 Excavation for Piles Welding work	Stone masonary for workshop Construction of washroom welding work at cement silo part	Stone masonry for workshop Construction of washroom Fixing of sheet at oil tank room welding work at cement silo part and gate	Block masonry work at genetor room Construction of washroom Fixing of formwork for gate pier
Kass Camp	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Install of doors	Fixing of tiles in washroom Install of Pre-cast boundary walls Excavation, dumping and leveling Brick masonry work Stone masonry Cables fitting for electricity Painting work Steel stairs work Install of doors	Fiting of tiles for washrooms Stones masonry work Brick masonry work Fixing of electricity wires Making of steel stairs Washrroms ceiling work	Install of sewage pipelines Stones masonry work Install of CCTV camera Fixing of electricity wires Making of steel stairs Brick masonry work	Pouring of leveling concrete at office Install of sewage pipelines Stones masonry work Install of CCTV camera Fixing of electricity wires Making of steel stairs Rooms decorative work
CR-5-2 / LU-2	No work	No work	No work	No work	No work

Daily Work Records of MW-02

Date/Day Location	1 Sunday	2 Monday	3 Tuesday	4 Wednesday	5 Thursday	6 Saturday	7 Monday
Main Access Tunnel	DAY F. Ch:0+963 (Design Excavation is completed on 20/11/2020 No Further Activity.). NIGHT F. Ch:0+963 (Design Excavation is completed on 20/11/2020 No Further Activity.)	DAY F. Ch.: 0+963 Design Excavation is completed 20/11/2020. But support work is remaining. NIGHT F. Ch.: 0+963 Design Excavation is completed 20/11/2020. But support work is remaining.	F. Ch.: 0+963 (Design Excavation is completed on 20/11/2020 No Further Activity.) . NIGHT F. Ch.: 0+963 (Design Excavation is completed on 20/11/2020 No Further Activity.) But the support work is remaining.	DAY F. Ch.: 0+963 (Design Excavation is completed on 20/11/2020 No Further Activity.) NIGHT F. Ch.: 0+963 (Design Excavation is completed on 20/11/2020 No Further Activity.) . But the support work is remaining.	Day F: Ch 0+963 (Design excavation is completed on 20/11/2020 No further Activity Night F: Ch 0+963 (Design excavation is Completed on 20/11/2020	Day F: Ch: 963 (Design excavation is completed on 20/11/2020) Night F: Ch:963 (Design Excavation is Completed on 20/11/2020	(Design excavation is completed on 20/11/2020.) Night F: Ch:963 Design excavation is completed on 20/11/2020.
Draft Tunnel Towards Tailrace Tunnel No 2	Day Right side F. Ch.: 0+53.5 No Activity. Night Right side F. Ch.: 0+53.5 No Activity.	Ch.: K0+053.5 (Approx.) No activity due to lack of resources. Night No activity due to lack of resources	Day Ch.: K0+053.5 (approx.) No activity due to lack of resources.	Day Right side F: Ch:0=53.5 No Activity Night Right side F:ch:0=53.5 No Activity	Day Right side F: Ch:0+53.5 No Activity due to lack of Resource Night F:ch:0+53.5 No activity due to lack of resource	Day Right side F: Ch:0+53.5 No Activity due to lack of resource Night F: Ch:0+53.5 No Activity due to lack of resource	Day Right side F: Ch:0+53.5 No Activity Due to lack of resource Night F: Ch:53. f No Activity due to lack of resource
Draft Tunnel Towards Tailrace Tunnel No 1	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F: CH: 0=057.0 No Activity	F: Ch:0+057.0 No activity	F: Ch:057.0 No Activity	F: Ch:0+057.0 No Activity
Exhaust Tunnel	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The total tunnel length of excavation215m Has been completed while excavation of drop shaft verification by inspection of support work still to be done	F: Ch:0+193 The total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced verification by inspection of support work still to be done no activity observed so for	F: Ch:0+193 The total length of tunnel excavation 215m has been Completed while excavation of drop shaft to be commenced verification by inspection of support work still to be done. No Activity is observed so for	Day F. Ch:0+193 The Total tunnel length of excavation 215m has been. completed first layer second pass of shotcrete quantity 05m3 Night The total length of excavation 215m has been completed.	Day F: Ch:0+193 The total length of excavation 215m has been completed. While excavation of droop shaft to be commenced Verification by inspection of support work still to be done no activity observed so for
Service Tunnel C	Day Note: -Design Excavation (450 m) has been Completed. Night Note: -Design Excavation (450 m) has been Completed.	Note: -Design Excavation (450 m) has been Completed.	Note: -Design Excavation (450 m) has been Completed.	Note Design excavation (450) Has been completed.	Note Design Excavation (450m) has been completed Drilling for missing rock bolts.	Note Design Excavation (450) has been completed drilling for missing rock bolts	Note Design excavation (450) has been completed drilling for missing rock bolt
GIS Cavern Access Tunnel	Day F.CH:0+116 approx. Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 No Activity Night F.CH:0+116 approx. No Activity	Day F: Ch:0+116 No Activity Night F Ch:o+116 Approx. No activity	Day F: Ch:0+116 No Activity Night F: Ch:0+116 Approx. No activity	Day F:ch:0+116 No activity Night F: Ch:0+116 Approx. No Activity	Day F: Ch:0+116 No Activity Night F: Ch:0+116 Approx. No Activity
Transformer Cavern II 2 lift and right	Day II-2 Right side No Activity II-2 Left side Ch.:0+203.0~0+236.0 Drilling for missing rock dowels is in progress…. Night F.ch:0+241.0 Right Side Ch. 0+235~0+200 installation of rock dowels and packing Ch.:0+90~0+120 Drilling for rock dowels Left Side Ch. 0+00~0+015 Rectification of rebar mesh 1st layer.	Day II-2 Right side Ch.:0+140.0~119.25 Installation & packing of Rock Dowels. Ch.:0+212 ~0+229 ~) Fixing of Rock Dowel Plates. II-2 Left side Ch.:0+009.0~0+015.0 Rectification of rebar mesh Inspection Carried out from 000.0~0+018.0. Night F.ch:0+241.0 II-2 Right side NO activity II-2 Left side Ch.:0+065.0~0+055.0 Rectification of rebar mesh Ch.:0+25.0~0+70.0 Installation & packing of Rock Dowels. Ch.:0+000~0+018 2nd layer shotcrete PS Qty= 14m³	Day II-2 Right side Ch.: 0~236.0~ Drilling for Remaining Rock Dowel Ch.:0+185.0~0+170.0 Packing of Rock Dowel. Ch.:0+07.5~0+018.75 Grouting of missing Rock Dowel (26Pcs) II-2 Left side Ch.:0+075~0+032.5 Grouting of missing Rock Dowel (31Pcs) Ch:0+026.0~0+42.0 Rectification of Rebar mesh Inspection Has been done & allow for shotcrete Night F.ch:0+241.0 II-2 Right side Ch.: 0+196.75~0+171.75 Grouting for Rock dowels Qty= 60pcs II-2 Left side Ch.:0+065.0~0+055.0 Rectification of rebar mesh Ch.:0+020~0+040 2nd layer shotcrete PS Qty= 14m³	Day II-2 Right side Ch.: 0+192~0+175) Installation of rock Dowel plates Ch.:0+1120~0+170.0 Installation & Packing of Rock Dowel 61pcs Ch.:0+031.25~0+000 Grouting of Rock Dowel (58Pcs) Used cement=2250kg II-2 Left side Ch:0+073.0~0+50.0 Rectification of Rebar mesh Night F.ch:0+241.0 II-2 Right side Ch.:0+000~0+31.25 Grouting and installation of Rock dowels 45pcs Ch.:0+75~0+125 Drilling for missing Rock dowels II-2 Left side Ch:0+073.0~0+50.0 Rectification of Rebar mesh.	Day II-2 Right side Ch.: 0+000~0+029.0 Installation of rock Dowel plates Ch.:0+112.5~0+106.0 Installation & Packing of Rock Dowel's Ch.:0+181.25~0+129.25 Grouting of Rock Dowel 61pcs Used cement=1050kg II-2 Left side Ch:0+075.0~0+40.0 Rectification of rebar mesh & rock dowel plates Night F.ch:0+241.0II-2 Right sideCh. 0+175~0+8001:00-) Installation of missing Rock dowelsII-2 Left SideCh. 0+239.25~0+21Grouting for missing rock dowels 14pcs groutedCh. 0+210~0+15021Installation of missing Rock dowels	Day II-2 Right side Ch.:0+048.0~ Grouting for rock dowels (Grout=34pcs) Ch.:0+075.50~0+100.0 Installation & packing of missing rock dowels (42pcs) Ch.:0+192.50~ Drilling for missing rock dowels II-2 Left side Ch.:0+073.0~0+040.0 Rectification of rebar mesh Ch.:0+085.0~0+095.0 Installation & packing of missing rock dowels (14pcs) Ch.:0+180~0+163.0 Installation & Packing of missing rock dowels (09pcs) Night F.ch:0+241.0II-2 Right sideCh. 0+32~0+202Rectification of rebar meshII-2 Left SideCh. 0+42~0+552Rectification of rebar mesh.	Day II-2 Right side Ch.:0+25.0~0+155.0~0 Drilling for missing rock dowels Ch.:0+73.0~155.0 Installation of rock dowels (35pcs) II-2 Left side Ch..:0+50.0~0+73.0 2nd layer shotcrete (SF Qty=16.0m³) Ch..:0+200.0~0+239.0 Installation of rock dowels plates Night F.ch:0+241.0II-2 Right sideCh.:000~0Rectification of rebar meshII-2 Left SideCh.:0+050.0~0+040.020: Rectification of rebar mesh & rock dowel plates.Note: From chi: 0+050~0+040 final inspection has been done for shotcrete. 2nd layer Shotcrete SF Qty=8m³Ch.:0+156~0+17021Grouting for missing rock dowels 13 pcs grouted Note::25) Grouting suspended due to grouting machine pressure is low,

Transformer Cavern Pilot Tunnel I-2	Day No Activity Night No Activity Face Chainage Ch.: 0+134~0+241	F. Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity Night No Activity	Day Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity Night No Activity	Day Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity Night No Activity	Day F. Ch:0+241.0~ (D/S) Ch. 0236.75~0+201.75 22:30~03:20) Grouting for missing rock dowels 32pcs grouted.	F. Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity	Day No Activity Night F. Ch:0+241.0~ (D/S) Ch. 0236.75~0+201.75 Grouting for missing rock dowels 32pcs grouted.
Transformer Cavern Bench II-1	Day No Activity Design excavation has been completed	Day No Activity Night Ch. 0+241.0 Grouting of rock dowels at Face 22pcs	Day No Activity Design excavation has been completed	Day No activity Design excavation has been completed	Day Design Excavation has been completed. No Activity	Day No Activity Design excavation has been completed	Day No Activity Design excavation has been completed
Transformer Cavern Pilot Tunnel I-1 & I-3	I 1 F.Ch.: 0+241 No Activity I3 F.ch:0+241.0 No Activity	I1 No Activity Tc I 3 No Activity	Tc I 1 No Activity TC I 3 No Activity	TC I 1 No Activity TC I 3 No Activity	I 1 No Activity I 3 No Activity	TC I 1 No Activity Night TC I 3 No Activity	TC I 1 No activity TC I 3 No Activity
Powerhouse II 2 lift and right	Day No Activity Night F. Ch:0+241.0 II-2 RIGHT (01) Ch.0+030~0+020 Installation of rebar mesh 1st layer shotcrete Ch. 0+89.7~0+48.3 Rectification of rock dowels plates II-2 LEFT (02) Ch.0+023~0+015 Installation of rebar mesh 1st layer shotcrete Ch. 0+83.1~0+71.3 Grouting of rock dowels bottom 8pcs grouted Note Further grouting stopped due to low pressure of grouting machine.	Day II-2 Right Ch:0+020.0~0+015.0 Installation of First layer Rebar mesh Ch:0+87.4~0+69.0 Grouting for rock dowels Qty=9pcs II-2 Left Ch:0+015.0~0+010.0 Installation of First layer Rebar mesh Ch:0+85.1~0+43.7 Grouting for rock dowels Qty=41pcs Night F. Ch:0+241.0 II-2 RIGHT (01) Ch.0+015~0+008 Installation of 1st layer rebar mesh Ch. 0+066~0+039. Grouting for rock dowels 20 pcs grouted II-2 LEFT (02) Ch.0+010~0+004 Installation of rebar mesh 1st layer shotcrete	Day F.Ch:0+241.0(D/S) Ch.:0+240.35 Grouting for PS tendon Location:-55-6, 54-5, 54-6, PH56-5 15:57~16:44 Packer Grouting for PS tendons Locations:-PH5-6PH6-6,PH9-7,PH5-5,PH,4-5 Night Ch..: 0+241.0 Ch.:0+040~0+016 Grouting for PS tendon Location: PH13-7, PH14-7, PH14-8, PH15-7, PH15-8, and Ch. 0+28.75 Packer grouting for PS tendon Location PH13-8,	Day II-2 Right Ch:0+040.0~0+020.0 Rectification of first layer Rebar mesh Inspection has been done & allowed for shotcrete II-2 Left Ch:0+070~0+.045.0 Rectification of 2nd layer Rebar mesh Inspection has been done & allowed for shotcrete Night F. Ch:0+241.0 II-2 RIGHT (01) Ch.:0+008~0+000 Installation of 1st layer Rebar-mesh Ch.: 0+040.0~0+020.0 2nd layer Shotcrete Qty=14m³ Note. spraying shotcrete was suspended due to breakdown of shotcrete machine CH:0+240~0+225 Drilling for tension Rock dowels 7m II-2 LEFT (02) Ch:0+042~0+020 Rectification of 1st layer Rebar mesh	Day II-2 Right Ch.: 0+000~0+010.0 Rectification of first layer Rebar mesh is in progress... II-2 Left Ch.: 0+030~0+045.0 Rectification of 2nd layer Rebar mesh is in progress... Night F. Ch:0+241.0 II-2 RIGHT Side Ch. 0+237~0+225 Drilling for Post tension rock bolts Ch.:0+070~0+092 Rectification of 2nd layer Rebar-mesh Ch.: 0+000~0+010.0 Rectification of first layer Rebar mesh has been done.	Day II-2 Right Ch.:0+222.0~0+240.0 Drilling for 07m tension rock bolts NOTE: Contractor notified to keep the drilling angle & position as per design Ch.:0+092.0~0+073.0 Rectification of 2nd layer rebar mesh 3rd layer shotcrete (PS Qty=24.0m³) II-2 Left Ch:0+025.0~0+000 Rectification of 1st layer rebar mesh CH:0+17.0~0+038.0 Second layer shotcrete is in progress (PS Qty=16.0m³) Second layer shotcrete is in progress (PS Qty=16.0m³)	Day II-2 Right Ch.:0+010.0~0+020.0 Rectification of 1st layer rebar mesh Ch..:0+43.0~0+47.0 Fixing of 2nd layer rebar mesh Ch.:0+220.0~0+240.0 Making of scaffolding pipe platform. II-2 Left Ch.:0+00.0~0+17.0 2nd layer shotcrete (PS Qty=16m³) Ch..:0+45.0~0+50.0 Fixing of 2nd layer rebar mesh Night F. Ch:0+241.0 II-2 RIGHT Side Ch. 0+043.0~0+038.0 20:20~) Fixing of 2nd layer rebar mesh
Powerhouse Cavern Pilot Tunnel (Left Crown portion) I-2	Day F. Ch.: 0+241.0~ Approx. No Activity Night F. Ch.: 0+241.0~ Approx. No Activity	Day F. Ch:0+241.0~ (D/S) No Activity) No Activity	Day F. Ch.: 0+241.0~ Approx. No Activity Night F. Ch.: 0+241.0~ Approx. No Activity	Day F. Ch.: 0+241.0~ Approx. No Activity Night F. Ch.: 0+241.0~ Approx. No Activity	Day F. Ch.: 0+241.0~ Approx. No Activity Night F. Ch.: 0+241.0~ Approx. No Activity	Day F: Ch:0+241 Approx. No Activity Night F: Ch:241.0 Approx. No Activity	Day F: Ch:0+241 Approx. No Activity Night F: Ch:241.0 Approx. No Activity
Powerhouse II-1 Bench	Day F. Ch:0+241.0(D/S) Ch.:0+240.35 Drilling for 07m tension rock bolts is in progress…	Day F. Ch:0+241.0(D/S) No Activity Night No Activity	Day No Activity Night No Activity	No Activity Because all workers are on strike against Kashmiri labors	Day No Activity Note contractor Notified to drill angle as per approve design	Day No Activity Night No activity	Day No Activity Night No Activity
Powerhouse Cavern Pilot (Right Crown Portion) I-1 & I-3	PH I 1 Labors are on strike against Kashmiri labor. Night No Activity PH I 3 Day No Activity	Day PH I 1 Day F. Ch:0+241.0 (D/S) Ch.:0+240.35 Grouting for PS tendon Location: -51-6,52-5,53-6 Night Ch..: 0+241.0 Ch.:0+136.85 Grouting for PS tendon Location: PH 60-8 =>	PH I 1 Day F. Ch:0+241.0(D/S) Ch.:0+240.35 Grouting for PS tendon Location: -55-6, 54-5, 54-6, PH56-5 Packer Grouting for PS tendons Locations:-PH5-6PH6-	I 1 Day F. Ch:0+241.0(D/S) Ch.:0+014.95~0+019.55 Grouting for PS tendon Location: - Ph. 13-7, ph. 13-8, ph9-7 Note: Further no activity due to grout machine pipe is breakdown. Ch.:0+239.2~0+232.3 Drilling for 07m tension rock bolts is in progress...	PH I 1 F. Ch:0+241.0(D/S) Grouting for PS tendon Location: - Ph. 3-7, ph. 4-6, ph. 4-7 Making of scaffolding pipe platform for tendon grouting	PH I 1 F. Ch:0+241.0(D/S) Ch.:0+001.15~0+042.55 Packer grouting for PS tendon Location: PH1-7, PH19-7 Ch.:0+19.55~ Grouting for PS tendon	Powerhouse I 1 Day F. Ch:0+241.0(D/S) Ch..:0+219.65~221.95 Backfill grout for PS tendons Location: PH96-10 PH97-12 Ch.:0+231.15 Grouting for PS tendons
01A Drain Tunnel Left Crown of PH I-2	Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity	Day F.ch:0+046.0(Approx.) Vertical Shaft Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity	Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity	Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity	Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity	Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity	Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity
Service Tunnel A	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day Note: -Design Excavation (450 m) has been Completed. Night Note: -Design Excavation (450 m) has been Completed.	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F: Ch:0+567.5 No Activity Due to limited resource Night F:ch 0+567.5 NO Activity due to limited resource	Day No Activity Night No activity	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day No Activity Night No Activity

Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 1	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity > Ventilation is not functional.	Day No Activity Night No Activity	Day No Activity Night No Activity Ventilation issue	Day No Activity Night No Activity	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity > Ventilation is not functional.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity > Ventilation is not functional.	Day PAT-01 Design excavation is completed. PAT-1: Plug Area No activity Ventilation is no Functional
Penstock Admit Tunnel towards Lower pressure Tunnel No 2- manifold area	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 no activity PAT 2 Plug Area No Activity > Ventilation is not functional. Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) PAT 2 Plug Area No activity.	Day No Activity Night No Activity	Day No Activity Night No Activity Ventilation issue	Day No Activity Night No Activity	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 no activity PAT 2 Plug Area No Activity > Ventilation is not functional. Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) PAT 2 Plug Area No activity.	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 no activity PAT 2 Plug Area No Activity > Ventilation is not functional. Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) PAT 2 Plug Area No activity.	Day No activity Night No Activity Ventilation issue
Connection Tunnel to Powerhouse From STA	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 R/w CH:0+036 Preparation for load testing Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day No Activity due to resource limitation and shortage of manpower Night F: Ch:0+076 No activity due to resource limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower
STB from Powerhouse Connection Tunnel	Day F. Ch.:0+125.0~ Waiting for 1st layer shotcrete Note: Ventilation problem in STB. Night F. Ch:0+125~ No activity Note: > High temperature & ventilation problem.	Day F. Ch.:0+125.0 Survey for blast Drilling for blast is in progress Note: Ventilation problem in STB. Night F. Ch:0+125~ Charging for Blast Blasting Mucking & Scaling Note: > High temperature & ventilation problem.	Day F. Ch.:0+127.0) Mucking & Scaling 1st layer Shotcrete Qty=3m³ Note: Ventilation problem in STB. Night F. Ch:0+125~ Ch. 0+94.5~0+60 Grouting and Installation of missing rock dowels (6pcs grouted) Note: > High temperature & ventilation problem.	Day No Activity Night No activity Ventilation problem	Day No Activity Due to Ventilation issue	Day Installation of ventilation fan Night No Activity because of ventilation issue	Day F. Ch.:0+127.0 Ch..:0+00.0 Installation of Supporting bars for ventilation fan Note: Ventilation problem in STB. Night No Activity Ventilation issue
Surge Chamber Vault Access Tunnel	Day Right and Left chamber junction Area Ch.:0+00~0+003 Mucking of benching Note: From Mucking stop due to excavator break down. Towards Right side Chamber #02 Ch.: 0+015 (Approx.) Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.:0+003~0+006.5 Note: Ventilation problem. Night Right and Left chamber junction Area Ch. 0+00~0+03 No activity Towards left side Chamber #01 F. Ch.:0+000~0+010 (Approx.) No activity Towards Right side Chamber #02 Ch.:0+003~0+006.5 No activity > ventilation problem.	Day Right and Left chamber junction Area Ch.:0+00~0+003 Towards Right side Chamber #02 Ch:0+015 (Approx.) Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+10.0~0+67.0 Survey for Missing Rock Dowel Drilling for Missing rock dowels Rock Dowel Note: Ventilation problem. Night Right and Left chamber junction Area Ch. 0+00~0+03 No activity Towards left side Chamber #01 F. Ch.:0+000~0+010 (Approx.) No activity Towards Right side Chamber #02 Ch.:0+003~0+006.5 No activity > ventilation problem.	Day Right and Left chamber junction Area Ch.:0+00~0+003 Towards Right side Chamber #02 Ch:0+015 (Approx.) Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+10.0~0+67.0 Drilling for Missing Rock dowels. Night Towards left side Chamber #01 Ch. 0+65~0+72 Fixing of wire mesh Qty=41m² Towards Right side Chamber #02 Ch.:0+003~0+006.5 No activity > ventilation problem.	Day Right and Left chamber junction Area Ch.:0+00~0+003 Towards Right side Chamber #02 Ch:0+015 (Approx.) Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+10.0~0+67.0 Drilling for Missing Rock dowels Ch:0+055.0~0+060.0 Fixing of Wire mesh 3Pcs Night Towards left side Chamber #01 Ch. 0+55~0+62 Fixing of Wire-mesh Qty=41m² Ch.:0+30~0+010 Day Drilling for Missing Rock dowels Towards Right side Chamber #02 Ch.:0+003~0+006.5 No activity > ventilation problem.	Day Right and Left chamber junction Area Ch.:0+00~0+003 No activity Towards Right side Chamber #02 Ch:0+015 (Approx.) Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+060.0~0+066.0 Fixing of wire mesh Qty= 31.5m² Night Towards left side Chamber #01 Ch.: 0+060.0~0+066.0 20:00~) Rectification of wire mesh Ch.:0+30~0+010 Towards Right side Chamber #02 Ch.:0+05~0+026 22:00~03:40) Removing of bottom underbrace area by Jackhammer > high temperature and ventilation problem.	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 08:00~10:30) Mucking & invert leveling Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.:0+41.00~0+65.0 Drilling for missing rock dowels. Night Towards left side Chamber #01 Ch.: 0+060.0~0+066.0 Grouting and Installation of rock dowels 4pcs Note. Grouting suspended due to grouting machine pressure is very low. Again grouting for bottom rock dowels, 26pcs Ch.:0+30~0+010 Towards Right side Chamber #02 No activity > High temperature and ventilation problem in VAT Right and left Chamber	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.:0+65.0~0+025.0 Grouting for missing rock dowels (Qty=17pcs) Night Towards left side Chamber #01 Ch.: 0+045.0~0+067.0 Rectification of wire mesh Final inspection has been done for shotcrete. Ch.:0+30~0+010 Towards Right side Chamber #02 No activity > High temperature and ventilation problem in VAT Right and left Chamber
Existing shaft tunnel from I1 drain tunnel	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Vertical shaft no activity Note: > Contractor start drilling for vertical shaft from drain tunnel to exhaust tunnel Without	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity

			approved AFI.				
Drain tunnel	Day F.Ch. 0+949.5 Design excavation is complete Night. F. Ch949.5 Design excavation is complete. No activity	Day F.Ch. 0+949.5 Design excavation is complete	Day F.Ch. 0+949.5 Design excavation is complete. Night F.Ch. 0+949.5 Design excavation is complete. No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete. No Activity Night F.Ch. 0+949.5.0 Design excavation is complete. No Activity	Day Ch. 0+ 280-250 Night F.Ch. 0+949.5 Design excavation is complete	Day F. Ch949.5 Design excavation is complete. No activity Night F. Ch949.5 Design excavation is complete. No activity	Day F. Ch949.5 Design excavation is complete. No activity Night F. Ch949.5 Design excavation is complete. No activity
CR-05-01 Access Road/Intake Area & LU-1	Intake Area El: ▼0+990.0~0+980.0 Drilling of boulder blast 8:00~) Excavation and mucking LU! Ch.:0+110~0+ Drilling of rock dowels > No QA/QC responsible person at site.	Intake area El: ▼0+990.0~0+980.0 Drilling of boulder blast Charging for blast Exp=1275kg 11:54) Blast is carried out Excavation and mucking LU 1 No Activity	LU 1 No Activity Intake Area El: ▼0+990.0~0+980.0 Excavation and mucking	Intake Area El: ▼0+990.0~0+980.0 Excavation and mucking LU 1 No Activity o	Intake Area Excavation and mucking are in progress. Lu 1 No activity	Intake Excavation and mucking LU 1 No activity	intake El: ▼0+990.0~0+980.0 Excavation and mucking Drilling for blast LU 1 No Activity
CT-2 Admit Tunnel	Day F.Ch. 0+347.5 Ch.:0+343.0~0+345.0 Grouted of rock dowels Qty=20pcs Survey for blast Drilling for blast > Ventilation is not functional) Night F. Ch 0+347.5~0+350.0 Charging for blast (Exp=224kg) Blast carried out Mucking and scaling 1st layer shotcrete Qty=3m³ Ch. 0+335~0+338 2nd layer shotcrete Qty=2m³ Ch. 0+215~0+245 Pull out test	Day F.Ch. 0+350.0 Ch.:0+346.0~0+347 Grouted of rock dowels Qty=7pcs Survey for blast Drilling for blast Charging for blast Expo=222kg) Blast Carrie doubt Mocking > Ventilation is not functional) Night F.ch: 0+~0350~0+353.7 Mucking and scaling Mapping Qv=1.25) 1st layer shotcrete 3m³ Ch. 0+338~0+341.7 2nd layer shotcrete 2m³ Ch. 0+348.0~0+35	Day F.Ch.: 0+353.0~ Survey for blast Drilling for blast Charging for blast Expo=219kg carried out Mucking and scaling > Ventilation is not functional Night F.ch: 0+~0353.0~0+356.0 Mapping Qv=1.26 1st layer shotcrete 3m³ Ch. 0+341.0~0+350.0 2nd layer shotcrete 6m³ Ch. 0+220.0~0+280.0 Bound test of shotcrete Ch. 0+352.0~0+354 Drilling for rock dowels	Day F.Ch. 0+356.0 Ch.: 0+353~0+356 10:00~11:00) Shotcrete second layer PS Qty=7m³ Ch.:0+350~0+353 1st layer shotcrete second pass PS Qty=7m³ 13:15~13:45) Survey for blast Drilling for blast Charging for blast 20:01 Blast > Ventilation is not functional Night F.ch: 0+356.0~ 0+359.5 Mucking and scaling 23:20~23:40) Mapping Qv=1.25 1st layer shotcrete PS Qty=3m³ Ch.0+355.5~0+357 Drilling for rock dowels	Day F.Ch. 0+359.5 Ch.:0+355.5~0+357 Grouting for rock dowels Qty=15pcs Ch.:0+356~0+358 Installation of wire mesh Shotcrete second layer PS Qty=4m³ Survey for Blast > Ventilation is not functional Night F.CH:0+0+359.5~0+362 Charging for blast Expo=225kg Blast carried out Charging for additional blast Additional blast Mucking and Scaling Mapping Qv=1.0 1st layer shotcrete 4m³	Day F.Ch. 0+361.7 Ch.: 0+270~0+300 Extension of ventilation duct Ch.:0+358.5~0+360 Grouting of rock dowels Qty=11pcs Ch.:0+355~0+357 Grouting of missing rock dowels Qty=3pcs Ch.:0+358~0+360 Installation of wire mesh Shotcrete second layer Qty=4m³ > Ventilation is not functional Night F.CH:0+362.5~0+365 Drilling for blast Charging for blast Expo=225kg 00:20) Blast carried out Mucking and Scaling	Day F.Ch. 0+365.0 Ch.:0+360~0+362 Installation of wire mesh Ch.:0+361.5~0+363 Drilling for rock dowels Grouting for rock dowels is in progress NOTE: > Ventilation is not functional Night F.CH:0+362.5~0+365.0 2nd layer shotcrete 4m³ Note further no activity due to non-availability of leg drillers and drilling jumbo
Switchyard Day work	No Activity	No Activity	No Activity	No Activity	No Activity	No Activity	Day work order No Activity No Activity
Switchyard Compound	Day EL▼970.0~960.0 (5th layer right side) Installation of wire mesh EL▼960.0~950.0 (4th layer Left side) Excavation EL▼960.0~950.0 (4th layer right side) Excavation and mucking > No QA/QC responsible person at site. Night No Activity	Day EL▼970.0~960.0 (5th layer right side) Shotcrete 1st and 2nd layer PS Qty=30m³ EL▼950.0~0+940.0 (3rd layer right side)) Excavation and mucking EL▼920 Excavation and mucking	Day EL▼970.0~960.0 (5th layer right side) Shotcrete 1st layer PS Qty=20m³ Installation of wire mesh EL▼960.0~0+950.0 (4th layer left side) Excavation and mucking EL▼920 Excavation and Mucking	Day EL▼970.0~960.0 (5th layer right side) Installation of wire mesh EL▼0+950.0~0+940(3rd layer left side) Excavation and mucking EL▼920 Excavation and Mucking	Day EL▼970.0~960.0 (5th layer right side) Installation of wire mesh 1st layer shotcrete Qty=15m³ EL▼0+950.0~0+940(3rd layer left side) Excavation and mucking EL▼0+950.0~0+940(3rd layer Right side) Excavation	Day EL▼970.0~960.0 (5th layer right side) Installation of wire mesh and anchors bars 11:00~17:00) Rectification of wire mesh Drilling for PVC weep holes EL▼0+950.0~0+940 (3rd layer Right side) Excavation and mucking.	Day EL▼970.0~960.0 (5th layer right side) Installation of wire mesh and anchors bars Shotcrete second layer PS Qty=30m³ EL▼0+950.0~0+940 (3rd layer left side) Excavation and mucking EL▼920) Mucking
Date/ Day Location	8 Sunday	9 Monday	10 Tuesday	11 Wednesday	12 Thursday	13 Friday	14 Saturday
Main Access Tunnel	Day F:CH:0+963 Design excavation is completed but support work is reaming. Night F: Ch:0+963 Design excavation is completed but support work is remaining.	Day F: Ch: 0+963 Design excavation is completed but support work is remaining. Night F:CH:0+963 Design excavation is completed but the support work still remaining.	Day F: Ch:0+963 Design excavation is completed but the support work is remaining. Night F:CH:0+963 Design excavation is completed but support work still remaining.	Day F: Ch 0+963 Design excavation has been completed but the support work is remaining. Night F: Ch:0+963 Design excavation has been completed but support work is still remaining.	Day F Ch.: 0+963 Design excavation has been completed but the support work is remaining. Night F: Ch: 0+963 Design excavation has been completed but support work is still remaining.	Day F: Ch:0+963 Design excavation has been completed but the support work is remaining. Night F: Ch:0+963 Design excavation has been completed but the support work is remaining.	Day F: Ch:0+963 Design excavation has been completed but the support work is remaining. Night F: Ch:0+963 Design excavation has been completed but the support work is reaming.
Draft Tunnel Towards Tailrace Tunnel No 2	Ch.: K0+053.5 (Approx.) (No activity	Ch:0+053.5 Approx. No Activity	CH: 0+053.5 Approx. No Activity	Ch.: K0+053.5 (Approx.) (No activity	Draft tunnel toward tailrace Tunnel NO.2	Ch.: K0+053.5 (Approx.) (No activity	Ch.: K0+053.5 (Approx.) (No activity
Draft Tunnel Towards Tailrace Tunnel No 1	F: Ch:0+057 No Activity	F: Ch 0+057 No Activity	F: Ch 0+057 NO Activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity
Exhaust Tunnel	F: Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of Drop shaft to be commenced verification of support work still to be done. No Activity observed so for	F: Ch. 0+193 The total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced verification of support work still to be done. No activity observed so for	Day Exhaust tunnels The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼798.40 2nd layer shotcrete	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼798.40 Charging for blast (Exp=15.0kg, Holes=56) Blast carried out Manual Mucking Night	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼98.4~96 ((Approx.) 09:45~10:30) First layer Shotcrete SF (Qty= 1m3) Note:-	Day Exhaust tunnels The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4~	Day Exhaust tunnels The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4~ 1st layer Shotcrete

			(SF Qty=3m³)	Exhaust tunnels The total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft No Activity	3cu.m Rejected due to Time over Nighty	Drilling for rock dowels Night Exhaust tunnels The total length of Tunnel is 215m & excavation of tunnel has been completed	Qty=03m³
ADFT			DAY Ch.:0+045.0~0+065.0 Mucking & Leveling Ch.:0+065.0~ Invert excavation by jack hammer Ch.:0+210.0~ Invert excavation by jack hammer Note: Ventilation is not functional. Night Ch.:0+080.0~0+100.0 Mucking & Leveling	Day No activity Night Ch.:0+100.0~0+120.0 Invert Excavation by Jack Hammer	Day Ch:0+100.0~0+120.0 & 0+190.0~0+200.0 8:00~15:00) Mucking Note: Ventilation is not functional. Night Ch.:0+100.0~0+120.0 01:30-05:20) Invert Excavation by Jack Hammer	Day No activity Night Ch.:0+155.0~0+180.0 Invert Excavation by Jack Hammer Ch.:0+120.0~0+155.0 Invert mucking & levelling	Day NO activity Night Ch.:0180.0~ Excavation by jack hammer Ch.:0+155.0~0+180.0 Mucking & levelling is in progress.
Service Tunnel C	Note: design excavation (450 m) has been completed No Activity regarding to support work	Note Design excavation (450) Has been complete. No activity regarding to support work	Note Design excavation (450) has been completed. No Activity regarding to support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.
Transformer Cavern I-2	Day F. Ch:0+241.0~ (D/S) Night F. Ch:0+241.~ (D/S) Ch.: 0+000 (At Face) No Activity	Day No Activity Night No Activity	Day No Activity Night F. Ch:0+241.0~ (D/S) Ch. 0236.75~0+201.75 Grouting for missing rock dowels 32pcs grouted.	Day F. Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity	F.Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity	F.Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity	Day F. Ch:0+241.0~ (D/S) Ch.: 0+000 (At Face) No Activity
Transformer Cavern Bench II-1	Day Ch.: 0+241 (At face) Grouting for missing rock dowels 2 Pcs Night Ch.: 0+241 (At face) Grouting for missing rock dowels 2 Pcs	Day NO Activity Night No Activity	Day Ch. 0+241.0 Ch.:0+000 (Right face) & Ch.:0+000 (Left face) Rectification of wire mesh Inspection has been done for shotcrete on left side face only.	Day No Activity	Day NO activity Night No Activity	Day No activity Night No Activity	Day No Activity Night No Activity
TC II-2(1) +TCII-2(2) (Left and Right)	II-2 Right side ch.:0+00.0~0+12.0 Rectification of rebar mesh Ch:0+150.0~0+129.0 Installation of rock dowels face plates ch:0+227.50~ Grouting for missing rock dowels 39pcs & progress Ch:210.0~0+230.0 _Drilling for missing rock dowels is in progress II-2 Left side Ch:0+175.0~0+170.0 Drilling for missing rock dowels	day F.ch:0+241.0II-2 Right sideCh.:0+210.0~0+180 .02Fixing of Rock dowels PlatesCH: 0+094.25~0+073. Grouting for Rock dowels 74pcsUsed cement=200kg Ch.:000~0+222nd layer Shotcrete Qty=19m³II-2 Left SideNo Activity Night F.ch:0+241.0II-2 Right sideCh.:0+210.0~0+180 .02Fixing of Rock dowels PlatesCH:	Day II-2 Right side Ch.: 0+00.0 US Face Grouting for rock dowels (Grouted=05pcs, Cement=200kg) Ch..:0+073.0~0+100.0 Fixing of rock dowels plates II-2 Left side Ch:0+00.0 US Face Grouting for rock dowels (Grouted=06pcs, Cement= 200kg) Ch.:0+139.25~0+151.75 Grouting for rock dowels (Grouted=20pcs,	Day II-2 Right side Ch:0+000.0 U/S Face 0Rectification of wire mesh at face Ch:0+130.0~0+113.0) Grouting for rock dowels (32PCS) Cement used= 700Kg II-2 Left side Ch:0+000.0 U/S Face) 2nd layer shotcrete at face (Qty= 8m³) Night F.ch:0+241.0 II-2 Right side Ch.:0+139.25~0+081.75 Grouting for Rock dowels 61pcs grouted Used cement=1000kg Ch.:0+090~0+115 01:30-05:20) Fixing of Rock dowels plates II-2 Left Side No Activity	Day II-2 Right side Ch:0+241~0+130.0 09:50~14:40) Installation of missing rock dowels face plates Ch:0+079.25~0+39.25 08:00~13:40) Grouting for rock dowels (Qty=33pcs) II-2 Left side Ch:0+165~0+241 08:00~09:40) Installation of missing Rock Dowel face Plates Ch:0+71.75~0+105.50 13:50~15:50) Grouting for rock dowels (Qty=22p	Day NO Activity Night F.ch:0+241.0II-2 Right sidei1, I 2 I 3Ch.:0+180.) Installation of missing rock dowelsII-2 Left side Ch.:0+201.75~155.75: 04) Grouting for missing rock dowels (40pcs)Used cement=1500kg	Day II-2 Left side Ch..: 0+076.75 - 031.75 Grouting for missing rock dowels. (50 pcs grouted, 03 pc rejected. (Cement = 1900 KG Night F.ch:0+241.0 II-2 Right side No Activity II-2 Left side No Activity
Transformer Cavern Pilot Tunnel I-1 & I-3	TC I 1 No Activity TC I 3 No Activity	TC I 1 No Activity TC I 2 No Activity	TC I 3 No Activity TC I 1 No Activity	Day Tc I 1 Day No Activity Night F.ch:0+241.0 I-1, I-2, Ch..:0+15.0~0+25.0 02:10~02:40) Removal of cracks by jack hammer TC I 3 No Activity	TC I 1 No activity TC I 3 NO Activity	TC I 1 No activity TC I 3 NO Activity	TC I 3 No Activity TC I 1 No Activity
PH II-2(1) +Ph. II-2(2) (Left and Right)	Day II-2 Right Ch.: 0+020.0~0+010.0 Rectification of 1st layer rebar mesh Ch..:0+31.0~0+37.0 Fixing of 2nd layer rebar mesh Ch..:0+240.0~ Installation of supporting bars for tension rock bolts Ch.: 0+020.0~0+10.0 2nd layer PS shotcrete (Qty=12m³) Ch.: 0+036.8~0+0.000 Survey for rock dowels II-2 Left Ch.:0+00.0~0+05.0 Fixing of 2nd layer rebar mesh Ch.:0+020.0~0+038.0 Drilling for rock dowels Ch.:0+217.35.0~ Drilling for tension rock bolts Ch.: 0+220.0~0+225.0 Installation of supporting	Day II-2 Right Ch.: 0+31.0~0+26.0 Fixing of 2nd layer rebar mesh Ch.:0+189.75~ Installation of Supporting bars for Tension rock bolts Ch:0+224.0~ Drilling for 7m Tension rock bolts II-2 Left Ch.:0+05.0~0+010.0 Fixing of 2nd layer rebar mesh Ch.: 0+208.0~0+212.0 Drilling for 7m Tension rock bolts Ch.: 0+170.0~0+180.0 Installation of Supporting bars for Tension rock bolts Ch.:0+220.0~0+240.0 Fabrication of scaffolding platform. Ch.:0+220.0~0+240.0	Day II-2 Right Ch.: 0+20.0~0+015.0 Fixing of 2nd layer rebar mesh Ch.: 0+211.60~ Drilling for 7m Tension rock bolts II-2 Left Ch.:0+15.0~0+020.0 Fixing of 2nd layer rebar mesh Ch.:0+169.0~164.45 Survey for tension rock bolts Ch:0+175.0~ Drilling for 7m Tension rock bolts Ch:0+218.50~ Installation of Supporting bars for Tension rock bolts Ch.:0+211.0~0+220.0 Fabrication of scaffolding platform. Ch.:0+221.95~ Water pressure test for	Day II-2 Right Ch.: 0+10.0~0+005.0 8:00~) Fixing of 2nd layer rebar mesh Ch.: 0+223.95~ 08:30~) Drilling for 7m Tension rock bolts II-2 Left Ch.:0+022.0~0+027.0) Fixing of 2nd layer rebar mesh Ch.:0+108.0~0+055.0 Survey for tension rock bolts Ch:0+165.60~ Drilling for 7m Tension rock bolts Ch:0+180.00~0+170.0) Installation of Supporting bars for Tension rock bolts Drilling for PS tendon using scaffolding platform Location: PH97-2 09:00~) Drilling for PS tendon using scaffolding platform Location: PH104-3 Ch.:0+207.0~ Fabrication of scaffolding platform. Ch.:0+220.0~+0241.0 Fabrication of scaffolding platform Night	Day II-2 Right Ch:0+70.0~0+54.0 Rectification of 2nd layer rebar mesh 15:45~) 3rd layer PS Shotcrete Qty=8m³ & progress Ch:0+209.0~ Drilling for 7m Tension rock bolts Ch:0+223.0~ Installation of Supporting bars for tension rock bolts Ch:0+159.0~0+ Survey & marking for Tension rock bolts II-2 Left Ch:0+034.0~0+40.5 Fixing of 2nd layer rebar mesh Ch:0+94.0~ Drilling for 7m Tension rock bolts Drilling for PS tendon using scaffolding platform Location: -104-3, PH98-2 8:34~11:04) Water Pressure test For PS Tendon Location: -PH97-2,PH104-3 Ch:0+209.0~0+219.0	Day II-2 Right Ch:0+54.0~0+34.0 Rectification of 2nd layer rebar mesh Ch:0+198.0~ Drilling for 7m Tension rock bolts Ch:0+25.0~0+39.0 Grouting & installation of Rock dowels Qty=10pcs Note:-Grouting Suspended Due Grout Machine Pressure is very Low. Ch.: 0+120.0~ Survey & marking of tension rock bolts Ch.: 0+241.0~ 08:00~) Fabrication of scaffolding platform. II-2 Left Ch.: 0+80.0~ Drilling for 7m Tension rock bolts Water Pressure test	Day II-2 Right Ch.: 025 - 034 Assembling and installation of rock dowels Ch..: 0+090 - 110 08:10 -) Drilling for 07m tension rock bolts Ch.: 0+190 - 200 08:10 - 12:30) installation of support bars for TRB Ch.: 0+220 - 240 Assembly of scaffolding pipe platform Ch.: 0+050 - 060 Survey marking for 7m TRB II-2 Left Ch..: 0+000 - 045 Assembling and installation of rock dowels Ch..: 0+055 - 065; 110 - 120

	bars for tension rock bolts Ch.:0+220.0~0+240.0 Making of scaffolding platform. Night F. Ch:0+241.0 II-2 RIGHT Side Ch. 0+043.0~0+038.0 Fixing of 2nd layer rebar mesh II-2 Left Side Ch. 0+188.0~0+200 Drilling for 07m tension rock bolts Ch. 0+045.0~0+40.0 Fixing of 2nd layer rebar mesh Ch. 0+000~039.0 Survey for rock dowels Drilling for rock dowels	Installation of Tension rock bolts Ch.:0+221.95~ Drilling for PS tendon using scaffolding platform Location: PH97-2 Night F. Ch:0+241.0 II-2 RIGHT Side Ch. 0+026.0~0+020.0 Fixing of 2nd layer rebar mesh II-2 Left Side Ch. 0+185~0+171.0 Drilling for 07m tension rock bolts Ch. 0+010.0~0+015.0 Fixing of 2nd layer rebar mesh Ch.:0+221.95~ Drilling for PS tendon using scaffolding platform Location: PH97-2	6m PS tendons Location: PH97-2=2.3 Drilling for PS tendon using scaffolding platform Location: PH97-2 Ch.:0+220.0~+0241.0 Fabrication of scaffolding platform Night F.Ch:0+241.0 II-2 RIGHT Side Ch.: 0+015.0~0+010.0 Fixing of 2nd layer rebar mesh Ch.:0+208.0~0+221.0 Drilling for 07m tension rock bolts II-2 Left Side Ch.:0+15.0~0+022.0 Fixing of 2nd layer rebar mesh Ch.:0+164~0+171.0 Drilling for 07m tension rock bolts CH:0+200~0+220.0 Fabrication of scaffolding platform CH:0+221.95 Drilling for PS tendon up to 14m Location: ph97-2. CH:0+128.0~0+164.0 Survey for tension rock bolts	F.Ch:0+241.0 II-2 RIGHT Side Ch.:0+000~0+006 Fixing of 2nd layer Rebar mesh Ch.:0+225~0+230, 0+200~0+210 Drilling for Tension Rock bolts L=07m Ch.:0+186.3~0+207.0 22:00-23:00) Survey and Demarcation of Tension Rock bolts II-2 Left Side Ch.:0+030.0~0+037.0 Fixing of 2nd layer Rebar mesh Ch.:0+095.0~0+103.0) Drilling for Tension Rock bolts L=07m Ch.:0+236.0~0+241.0 Drilling for PS tendon using scaffolding platform Location: PH104.3 Ch.:0+207.0~220.0) Fabrication of scaffolding platform.	Fabrication of scaffolding platform.	Upton 6m. Location: -PH99-2,PH103-3,Ph98-2 Ch:0+226.55~0+235.75 Drilling for PS tendon using scaffolding platform Location:-103-3, PH99-2 Ch:0+175.0~ Installation of Supporting bars for Tension Rock bolts Night F. Ch:0+241.0 II-2 RIGHT Side Ch.:0+149.5~0+155.25 Drilling for Tension Rock bolts L=07m Ch.:0+241~0+223.0 Fabrication of scaffolding platform. II-2 Left Side Ch.:0+065.0~0+055.0 Drilling for Tension Rock bolts L=07m CH:0+175.95~0+150.0 Installation of support bars for tension Rock bolts is in progress. Ch.:228.85~0+233.45 Drilling for PS tendon using scaffolding platform is in progress... Location: PH100-2, ph102-3	- Drilling for 07m Tension Rock bolts Ch.: 0+090 - 110 14:00-) installation of support bars for TRB Ch.: 0+185 - 210 Installation of 07m tension rock bolts Ch.: 230 - 240 Drilling for PS tendons for up to 06m Ch.: 0+230 - 240 Water pressure test. Lock: PH100-2 (Perm = 43.2), PH102-3 (Perm = 37.9) Ch.: 0+105 - 130 -) Survey marking for 07m TRB F.Ch:0+241.0 II-2 RIGHT Side Ch:0+213.0~ Installation of Supporting bars for Tension rock bolts Ch:0+116.0~ Drilling for 7m Tension Rock bolts Grouting for 7m Tension rock bolts Locations:-(R90-5=124.3L) (R89-4=75.6L) (R92-5=101.1) (R87-4=91.2) (R88-5=101.9) Ch:0+192.05~0+185.15 Installation of 7m Tension rock bolts (Qty=8pcs) Ch:0+013.8~0+036.8 Grouting for rock dowels (Qty=14pcs) Cement(500kg)
Powerhouse Cavern Pilot tunnel Bench II-1	F. Ch:0+241.0(D/S) Ch.: 0+170.0~0+174.0 Making of scaffolding pipe platform.	Day F. Ch:0+241.0(D/S) Ch.: 0+170.0~0+174.0 Fabrication of scaffolding pipe platform. Night scaffolding pipe platform.	Day No activity Night No activity	Day F Ch.:0+241 No Activity	Day No activity Night No Activity	Day No Activity Night No Activity	Day Ch..: 0+241.0 No Activity
Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2	Day F. Ch:0+241.0~ Approx. No Activity	Day NO activity Night No Activity	Day No Activity Night No Activity	Day F. Ch:0+241.0~ Approx. No Activity	Day No Activity	Day No Activity Night No Activity	F. Ch:0+241.0~ Approx. No Activity
Powerhouse Cavern Pilot I-1 & I-3	PH I 1 F. Ch:0+241.0(D/S) Backfill grouting for PS tendons Location: PH94-12, PH92-11, PH92-12 Done & PH91-12 is in progress Supporting bar for PS Tendon using Dumper Platform. night No Activity PH I 3 No Activity	PH I 1 Day NO Activity Night Ch..: 0+241.0 Back fill grouting Location 90-12 (162.4kg), ph88-12(236.4kg), ph87-11(389.3kg) PH I 3 No Activity	Day F. Ch:0+241.0(D/S) Ch:0+170.0~ Drilling for extensometer is in progress Night Ch..: 0+241.0 Ch.:0+170.0~ Drilling for extensometer	PH I 3 No activity PH I 1 Day F. Ch:0+241.0(D/S) Ch:0+170.0~ Drilling for extensometer is in progress. Night Ch..: 0+241.0 Ch:0+170.0~ Drilling for extensometer used scaffolding platform	PH I 3 No Activity PH I 1 No Activity	Day PH I 1 Day F. Ch:0+241.0(D/S) Ch:0+170.0~ Drilling for extensometer 24m has been drilled & is in progress Night Ch..: 0+241.0 Ch:0+170.0~ Hole depth 26m done in day shift Drilling for 2nd number 03m has been drilled extensometer used scaffolding platform. PH I 3	PH I 1 Day No Activity night F. Ch:0+241.0(D/S) Ch.: 0+170.0~ Assembling of 25m Extensometer for crown.
01A Drain Tunnel Left Crown of PH I-2	Day No Activity Night No Activity	F: Ch 0+280-0+250 NO activity	F. Ch:0+041.5 No Activity Approx.) Vertical Shaft	F.ch:0+046.0(Approx.) Vertical Shaft Night No Activity	F.ch:0+046.0(Approx.) Vertical Shaft	F.ch:0+046.0(Approx.) Vertical Shaft	Day No activity Night No Activity
Service Tunnel A	Day F: Ch 0+567.5 No Activity due resource limitation Night F:CH 0+567.5 No Activity due to resource limitation	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night No Activity	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations
Penstock Admit Tunnel towards Lower pressure Tunnel No 1	Day No Activity Night No Activity	Day NO Activity Ventilation is no functional	Day No Activity Night No Activity	Day No Activity Night No activity	Day No activity Night No Activity	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity	Day No Activity Night No Activity
Penstock Admit Tunnel towards Lower	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0.	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02

pressure Tunnel No 2	Ch.: 0+014.0~025.0 Dewatering and cleaning of rusted Steel. PAT 2 Plug Area Dewatering & cleaning of invert for Bed concrete. > Ventilation is not functional. Night NO activity	Ch.: 0+014.0~025.0 Inspection of Formwork has been Carried out & allowed for Concrete. Dewatering & cleaning of invert for Bed concrete. Pouring of Bed concrete is in progress (Qty=70m³, C30) PAT 2 Plug Area Dewatering & cleaning of invert for Bed concrete. > Ventilation is not functional Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) PAT 2 Plug Area Pouring of Bed concrete is in progress (Qty=11m³ C30) is placed & 10m³ is rejected due to time over &	Ch.: 0+014.0~025.0 Pouring of Bed concrete is in progress (Qty=175.0m³, C30) > Total Quantity: 70.0+11.0+175.0=256.0m³ PAT 2 Plug Area > Ventilation is not functional Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) PAT 2 Plug Area Ch.: 0+014.0~025.0 Day_) Pouring of Bed concrete is in progress (Qty=119.0m³, C30) > Total Quantity: 70.0+11.0+175.0+119=375m³ Dewatering of plug area.	Curing of Concrete Bed PAT 2 Plug Area Pouring of Bed concrete (Qty=204.0m³, C30) (280) > Total Quantity =634.0m³ Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) PAT 2 Plug Area Pouring of Bed concrete (Qty=203m³, C30) > Total Quantity=921m³	07:30~) Curing of Bed Concrete by Ponding method PAT 2 Plug Area Removing of Formwork Curing of Plug Concrete > Ventilation is not functional. Night Night No Activity	Ch.: 0+014.0~025.0 Curing of Bed Concrete PAT 2 Plug Area Removing of Formwork Curing of Plug Concrete > Ventilation is not functional. Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) PAT 2 Plug Area Removing of form work & repairing of plug area.	Ch.: 0+014.0~025.0 Curing of Bed Concrete PAT 2 Plug Area Removing of Formwork Curing of Plug Concrete Note: no responsible CGGC QAQC Person at site to ensure curing Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area Curing of Plug Concrete
GIS Cavern Access Tunnel from STA	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity
Connection Tunnel to Powerhouse From STA	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity
STB from Powerhouse Connection Tunnel	Day F. Ch.:0+127.0 Ch..:0+00.0 Removing of ventilation fan Note: Ventilation problem in STB.	Day No Activity Night No Activity	Day F. Ch.:0+127.0 Ch..:0+120.0~ 2nd pass of 1st layer shotcrete (SF Qty=3m³)	Day F. Ch.:0+127.0 Ch..:0+118.0~0+113.0 2nd pass of 1st layer shotcrete (SF Qty=3m³) Night No Activity	Day Ch.:0+114.0 approx.~ NO Activity Night F. Ch:0+114.0(Approx.) Activity	Day No activity Night No activity	Day No Activity Night No Activity
Surge Chamber Vault Access Tunnel	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+55.0~0+65.0 2nd layer shotcrete (PS Qty=16m³) Note: > Ventilation problem in VAT Right and left Chamber Night Towards left side Chamber #01 Ch.: 0+045.0~0+067.0 Ch.:0+30~0+010 Towards Right side Chamber #02 No activity > High temperature and ventilation problem in VAT Right and left Chamber.	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+08.0~0+19.0 Survey for blast Drilling for Bench Blast Charging for blast (Exp=45.0kg) Blast carried out Mucking Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+19.0~0+023.0 Survey for invert blast Drilling for invert blast Charging for invert blast Exp=40kg is in progress... Ch.:0+30~0+010 Towards Right side Chamber #02 No activity > High temperature and ventilation problem in VAT Right and left Chamber	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+23.0~0+27.0 Mucking & scaling Survey for blast Drilling for Bench Blast Charging for blast (Exp=45.0kg) Blast carried out Note: > Ventilation problem in VAT Right and left Chamber Night Towards left side Chamber #01 Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+23.0~0+27.0 Mucking of bench blast Ch.:0+30~0+010 Towards Right side Chamber #02 No activity > High temperature and ventilation problem in VAT Right and left Chamber	Day Right and Left chamber junction Area Towards Right side Chamber #02 F. Ch:0+026.0 No activity Towards left side Chamber #01 Night Towards left side Chamber #01 Towards left side Chamber #01 F. Ch.: 0+067 (Approx.)	Day Right and Left chamber junction Area Towards Right Side Chamber #02 F. Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+026.0~0+30.0 Survey for blast Drilling for Bench Blast Charging for blast (Exp=50kg)) Blast carried out Mucking is in progress Note: > Ventilation problem in VAT Right and left Chamber Night' Towards left side Chamber #01 Towards left side Chamber #01 F. Ch.: 0+067 (Approx.)	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+035.0~ Survey for blast Drilling for Bench Blast Charging for blast (Exp=75kg) Blast carried out Note: > Ventilation problem in VAT Right and left Chamber Night Towards left side Chamber #01 Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.; 0+038.0~ Mucking & scaling Survey for blast Drilling for blast Charging for blast Exp=70kg) Blast carried out Ch.:0+30~0+010 Towards Right side Chamber #02 No activity	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+039.0~ Mucking) Survey for blast Drilling for Bench Blast Note: > Ventilation problem in VAT Right and left Chamber. Night Towards left side Chamber #01 Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+039.0~ Mucking & scaling Towards Right side Chamber #02 No activity > High temperature and ventilation problem in VAT Right and left Chamber
Existing shaft Tunnel from I1 drain	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical existing shaft No Activity Night Vertical existing shaft No activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity
Drain Tunnel	Day F.Ch. 0+949.5 Design excavation is complete. Night F.Ch. 0+949.5.0 No Activity	Day F.Ch. 0+949.5.0 No Activity Night F.Ch. 0+949.5.0 No Activity	Day No Activity Night No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete. Night F.Ch. 0+949.5.0 Design excavation is complete	Day F.Ch. 0+949.5.0 Design excavation is complete.	F.Ch. 0+949.5 Design excavation is complete.	Note: suspension of work due to contractor`s failure to ensure safe working condition from 16/08/2022

CR-5-1 Access road and LU-1-Intake area	Intake Area El: ▼0+990.0~0+980.0 Mucking Charging for blast Exp=2177kg Blast is carried Lu 1 El: ▼0+990.0~	Lu 1 Ch.:0+80~0+50 Drilling for rock dowels >No responsible QA/QC person at site. Intake Area No Activity	Lu 1 No activity Intake Area El: ▼0+990.0~0+980.0 Breaking of boulders by jack hammer	Lu 1 No Activity Intake area No Activity	Lu 1 No Activity Intake area No “Activity	Intake Area No Activity Lu 1 No Activity	Intake Area El: ▼0+990.0~0+980.0 Breaking of boulder by jack hammer mucking Lu 1 Rectification of rebar mesh
CT-2	Day F.Ch. 0+365.0 Drilling for blast Ch.:0+280~0+320 Drilling for weep holes Charging for blast Exp=222kg Blast is carried out Mucking and scaling NOTE: > Ventilation is not functional Night	Day F.Ch. 0+367.5~ Ch.:0+356~0+365 Shotcrete second layer PS Qty=18m³ Survey for blast Drilling for blast NOTE: > Ventilation is not functional Night F.CH:0+367.5~ Day ~Drilling for blast Charging for blast Exp=224kg Blast carried out Mucking & scaling	Day F.Ch. 0+370.0 Ch.:0+366.0~0+367.5 Grouting of rock dowels 12pcs Note: 6pcs remaining due to seepage from the holes Ch.:0+367.5~0+369.5 Installation of wire mesh Shotcrete second layer PS (Qty=7m³) Ch.:0+280~0+320 Thickness test has been done Ch:0+300.0~0+330.0 Extension of dewatering pipe Night F.CH:0+370.0 No Activity Note: Drilling did not start due to drilling machine was breakdown.	Day NO activity Night NO Activity	Day F.Ch. 0+372.5 7:00~8:25) Charging for blast Exp=215kg) Blast is carried out Mucking and scaling Ch.:0+370~0+372.5 14:50~15:30) Shotcrete 1st layer PS Qty=5m³ Ch.:0+371.5~0+373.0 Drilling for rock dowels is in in progress > Reminded to the contractor for remedial shotcrete. Night F.CH:0+370.0~ No Activity Note: Drilling did not start due to drilling machine was breakdown	Day F.Ch. 0+372.5 Ch.:0+369.5~0+372.5 Night Installation of rebar mesh Shotcrete second layer PS Qty=7m³ Ch.: 0+372.5~ Survey for blast Drilling for blast is in progress > Again reminded to the contractor for remedial shotcrete. Night F.CH:0+370.0~ Day-21:00) Drilling for Blast Charging for blast Exp=224kg Blast carried out Mucking & scaling is in progress...	Day F.Ch. 0+375.5 Ch.:0+373.0~0+374.5 Drilling of rock dowels Grouting for rock dowels Qty=5pcs & 1pcs is rejected due to seepage from the holes. Ch.:0+370~0+371.5) Grouting for missing rock dowels Qty=5pcs & 2pcs rejected due to seepage from the holes. Ch.: 0+372.5~0+374.5 17:00~ Installation of wire mesh in progress... > Again reminded to the contractor for remedial shotcrete. Night F.Ch.: 0+375.5 Ch:0+372.5~0+374.5 2nd layer PS shotcrete (Qty=5m³) Survey for blast Drilling for blast 4Charging for blast is in progress (275kg)
Switch yard Day work	Day work order No Activity	No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity
Switch yard Compounds	Switchyard compound EL▼970.0~960.0 (5th layer right side) EL▼0+950.0~0+940 (3rd layer left side) Excavation and mucking	Day No Activity Night No Activity	Day No activity Night No Activity	Day No activity	No Activity	EL▼970.0~960.0(5th layer left side) Excavation and mucking Excavation of drainage by jack hammer EL▼970.0~960. (5th layer right side) Drilling for blast EL▼960+950.0 (4th layer left side) Excavation and mucking	Day No Activity
Date/Day Location	15 Sunday	16 Monday	17 Tuesday	18 Wednesday	19 Thursday	20 Friday	21 Saturday
Main Access Tunnel	Day F: Ch:0+966 Design excavation has been completed but the support work is remaining Night F: Ch:0+963 Design excavation has been completed but the support work is remaining.	Day F: Ch:0+963 Design excavation has been completed but support work is still remaining Night F: Ch 0+963 Design excavation has been completed but the support work is remaining	Day F: Ch 0+963 Design excavation has been completed but support work is still remaining Night F: Ch 0+963 Design excavation has been completed but the support work is remaining	Day F: Ch:0+963 Design excavation has been completed but the support work is still remaining. Night F: Ch:0+963 Design excavation has been completed but the support work is still remaining.	Day F: Ch 0+963 Design excavation has been completed but the support work is still remaining Night Design excavation has been completed but the support work is still remaining.	Day F: Ch:0+963 Design excavation has been completed but support work is still remaining. Night Design excavation has been completed but support work is still remaining	Day F: Ch.: 0+963 Design excavation has been completed but support work is remaining. night Design excavation has been completed and support work is still remaining
Draft Tunnel Towards Tailrace Tunnel No 2	Day Right side F. Ch.: 0+53.5 No Activity Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F: Ch:0+53.5 No Activity Night Right side F: Ch:0+53.5 No Activity	Day Right side F:ch:0+53.5 No activity Night Right side F:ch: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity Night Right side F. Ch.: 0+53.5 No Activity	Day Right Side F: Ch:0+53.5 No Activity Night Right side F: Ch:0+53.5 No Activity	Day Right side F: Ch:0+53.5 No Activity Night Right Side F: Ch:0+53.5 NO Activity	Day Right side F: Ch;0+53.5 No Activity Night Right side F: Ch;0+53.5 No Activity
ADFT	F ch:0+057.0 No activity	F: Ch:0+057.0 No Activity	Replacement of water pump Invert levelling	Manual leveling of invert	Day Ch..: 0+270-290 (Junction) Excavation. MUCKING NOT STARTED DUE TO UNAVAILIBILITY OF DUMPERS invert excavation by jack hammer	Day No Activity because of the breakage of Jack hammer	Day Ch:0+270-290 No activity Night No Activity due to happy Chinese New Year
Exhaust Tunnel	Day Exhaust tunnels The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4~ Drilling for blast is in progress Night	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4~ Drilling for blast Charging for blast (65 holes 18 KG EXP) - Blast carried out	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4 (004 - 006) Cleaning of holes Charging for blast (Exp = 49KG, blasting Holes=60) Blast carried out. Night The total length of Tunnel is 215m &	Day F.Ch.: 0+383.50~ 7:30~9:45) Charging for blast Exp=200kg Blast is carried out Mucking and scaling Mapping (Qv=0.83) 1st layer shotcrete (PS Qty=3m³) Night F.385.5 (Approx.) Ch.:0+381.0~0+383.5 Grouting for Rock dowels Qty=5pcs Note: -L/w& R/W remaining	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4 (006 - 008) Drilling for blast is in progress Note: > Very poor ventilation conditions on site. Night	Day Exhaust tunnels The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼794.0 (006 - 008) Drilling for blast (holes 58) Charging for blast carried out Night	Day O +270-0+290 N Enlargement No Activity Night 0+245-270 Junction No Activity Work has been stopped at 11:00 because of Chinese happy new year celebration

	Exhaust tunnel The total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4~ Drilling for blast is in progress	Night Exhaust tunnels The total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼796.4~ Drilling for blast is in progress	excavation of tunnel has been completed. Exhaust shaft EL▼794.4~ Drilling for rock dowels) Grouting for rock dowels Qty=8pcs Grouted L=2.5M/ Cement 50KG	(only 2pcs of crown portion has been done)L/C=3rd no rejected due to expose from s/c surface Ch:0+379.0~0+381.0 Installation of wire mesh Qty=21m2	Exhaust tunnel The total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼794.0~ 20:55~) Drilling for blast is in progress	Exhaust tunnel The total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼792.4~ Drilling for rock dowels Grouting for rock dowels Qty=3pcs Grouted) & Five paces Are remaining Note:-Grouting suspended due to Grout pipe Blocked	
Service Tunnel C	Note Design excavation (450) Has been Completed no Activity regarding to support work.	Note Design excavation (450) has been Completed No Activity regarding to support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note Design excavation has been completed. No Activity regarding to support work	Note Design excavation has been completed. No Activity regarding to support work.
Transformer Cavern Pilot Tunnel I-1 & I-3	TC I1 No Activity TC I 3 No Activity	TC I 1 No Activity TC I 3 No Activity	TC I 1 No Activity Tc I 3 NO Activity	Day No activity Day No Activity	Day TC I 1 No Activity TC I 3 No Activity	Day TC I 1 No Activity TC I 3 No Activity	Day TC I 1 No Activity TC I 3 No Activity
Transformer Cavern Bench II-1	Day & Night F Ch..: 0+200 - 241 No activity	Day F: Ch:0+200-241 Night No Activity	Day No Activity	Day No Activity.	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity
TC II-2(1) +TCII-2(2) (Left and Right)	Day II-2 Right Side Ch..:0+141.75~ Drilling for missing rock dowels II-2 Left side Ch:0+85~40 08:00~) Installation of missing rock dowels plates. Night F.ch:0+241.0II-2 Right sideCh.: 0+224.25~0+00021: Grouting for missing rock dowels Qty=12pcs done & is in progress...Cement Qty=250kgII-2 Left side Ch.:0140.0~	Day II-2 Right Side no activity II-2 Left side no activity. Night F.ch:0+241.0 II-2 Right side Ch.: 0+224.25~0+000 Grouting for missing rock dowels Qty=12pcs done & is in progress... Cement Qty=250kg II-2 Left side Ch.:0	Day II-2 Right Side Ch..:0+209.25~ Grouting for missing rock dowels. (11 pcs grouted) II-2 Left side Ch.:0+168.0~ Grouting for missing rock dowels. (05 pcs grouted) Night F.ch:0+241.0 II-2 Right side No Activity II-2 Left side No Activity	Day II-2 Right Side Survey for missing rock dowels Drilling for missing rock dowels II-2 Left side Ch..:0+110.0 Fixing of rock dowels plates. Night F.ch:0+241.0 II-2 Right side No Activity II-2 Left side No Activity	Day II-2 Right Side II-2 Left sideCh..: 0+025 - 200Drilling for missing rock dowels Night F.ch:0+241.0 II-2 Right side Ch.:0+033.0~+064.0 Drillings for missing rock dowels (3Holes) (R/W & L/W) Ch:0+08.0~0+053.0 R/W) & L/W 0+33.0~0+213.0 Installation & packing of missing rock dowels Grouting for rock dowels 02pcs grouted.	Day II-2 Right Side Ch..: 0+150 - 241) selection of locations for pullout test II-2 Left side Ch..: 0+150 - 241 Selection of location for pullout test Pull test for rock dowels. PULL OUT TEST COULD NOT BE PERFORMED DUE TO BREAKING OF COUPLERS OF MACHINE. Night F.ch:0+241.0 II-2 Right side (L/W=0+26.75~0+213.0) & (R/w=021.75~0+33.0)	Day II-2 Right Side Ch..: 0+150 - 241) selection of locations for pullout test II-2 Left side Ch..: 0+150 – 241. No more activity because of Chinese New Year celebration
Transformer Cavern Pilot Tunnel I-2	Day No Activity	Day No Activity Night No Activity	Day No activity	Day No Activity Night No Activity	Day No activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity
Powerhouse Cavern Pilot tunnel Bench II-1	Day F Ch.:0+241 No Activity Night F Ch.:0+241 No Activity	Day No Activity	Day & Night F Ch.:0+241 No Activity Night F Ch.:0+241 No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity
PH II-2(1) +Ph. II-2(2) (Left and Right)	Day II-2 Right Ch.: 0+011~0+035 Rectification of 2nd layer rebar mesh 2rd layer Shotcrete Qty = 24m3 Ch.:0+160.0~0+170.0 Drilling for 07m tension rock bolts Ch.: 0+210 - 220 10:00 -) Grouting for 7m Tension rock bolts Location: R81-45=59.0Ltr, R82-5=111.0Ltr, R86-5=59.0Ltr, R84-5=50.0Ltr, R83-5=73.0Ltr R85-4, R80- Ch.: 0+220 - 230 08:10 -) installation of support bars for TRB Ch.: 0+220 - 240 08:20 -) Assembly of scaffolding pipe platform II-2 Left Ch..: 0+02.3 - 045 Grouting for rock dowels (Grouted=33pcs) Ch.:0+162.0~ Drilling for 07m tension rock bolts Ch..: 0+210 -0+220 Installation of scaffolding pipe platform Ch.: 0+225-0+235 Drilling for PS tendons. CONTRACTOR IS	Day II-2 Right Ch.: 0+00~0+010 Rectification of 2nd layer rebar mesh 3rd layer SC Qty = 14m3 Ch.: 0+010 - 034) 2nd pass of 3rd layer SC Qty = 07m3 Ch.:0+150.0~0+180.0 Drilling for 07m tension rock bolts Ch.: 0+110 – 125 Drilling of 0.5m for cutting rebar mesh at PS tendon locations. CONTRACTOR IS EXECUTING DRILLING BY FIXING THE MACHINE ROD EXTERNALLY ON THE DRILLING JUMBO Ch.: 0+240 - 210 Installation of tension rock bolts II-2 Left Ch.: 0+110 - 140 Survey for tension rock bolts and PS Tendons Ch.:0+150.0~185 Drilling for 07m tension rock bolts Ch.: 0+225 - 241 Grouting for TRB Location: L100-1 (98.3KG), L108-1 (73.2KG), L90-	Day II-2 RIGHT Ch.: 0+00 (Face) Rectification of wire mesh on face Ch.:0+135 - 165 08:10 -) Drilling for 07m tension rock bolts Ch.: 0+115 ~0+10 09:00 -) Drilling of 0.5m for cutting rebar mesh at PS tendon locations. Ch.: 0+220 - 240 assembling of scaffolding pipe platform II-2 LEFT Ch.: 0+000 ~0+010 08:30 -) Rectification of rebar mesh Ch.: 0+035.0~0+050 Rectification of rock dowels plates 3rd layer shotcrete (PS Qty= 15m3). >Issue highlighted to the contractor regarding the finishing of shotcrete surface. Ch.:0+130~0+11Drilling for 07m tension rock bolts Ch.:0+180 - Installation of tension rock bolts (30pcs installed) Ch.: 0+220 - 225 repairing of drill machine for PS tendons Ch.: 0+193.20 - 163.3 Grouting for TRB Location: L68-1(120.2KG), L60-1	Day]II-2 RIGHT Ch.:0+00.0(FACE) Survey for rock dowels Ch.:0+50.0~0+80.0) Survey for tension rock bolts Ch.:0+173.0) Drilling for 07m tension rock bolts Ch.: 0+165.0~0+100.0) Drilling of 0.5m for cutting rebar mesh at PS tendon locations. CH.:0+150.0~220.0 Thickness test of shotcrete Ch.:0+203.55 - 0+195.50 Grouting for TRB. GROUT WASTAGE DUE TO LEAKAGE FROM PACKER. Location: R76-5(141.50KG), R77-4(74.0KG), R74-5(96.0KG), R73-4(71.0KG) R75-4 (107.0KG, Grout didn't return from pipe), R70-5 (55.4kg), R71-5 (63.5), R72-5 (62.3kg), R68-5 (72.5kg) Ch.:0+195.0~0+202.0 Installation of tension rock bolts (07Pcs) Ch.: 0+210 ~0+240) Assembling of scaffolding pipe platform II-2 LEFT Ch.:0+00.0(FACE)) Survey for rock dowels Ch.: 0+00.0~0+025.0 Rectification of rebar mesh Ch.:0+127.0~ Drilling for tension rock bolts	Day II-2 RIGHT Ch.:0+00.0(FACE) Grouting for rock dowels (Grouted = 14pcs, Cement = 750 Kg), Ch.:0+135.0~0+130.0 Drilling for 07m tension rock bolts Ch.:0+ 212.75~ Grouting for TRB. Location:R93-4(70.7KG) R94-5 (127.6kg), R95-4 (146.3kg), R103-4 (104.4), R101-4 (131.1kg), R100-5 (85.7kg), R99-4 (109.3kg), R98-5 (93.8kg), R97-5 (92kg), R96-5 (73kg) Ch.: 0+210.0~0+0240.0 Assembling of scaffolding pipe platform Ch.: 0+160 - 180 Installation of support bars for TRB II-2 LEFT Ch.:0+00.0(FACE) Grouting for rock dowels (Grouted=16pcs, Cement=1400.0kg) Ch.:0+054.0~0+034.0 Survey for tension rock bolts Ch.:0+087.0~0+034.0 Drilling for tension rock bolts Ch.:0+72.45~	Night II-2 RIGHT Ch.:0+200.0 Grouting for 07m tension TRB (Grouted=08PCS) Location :R74-4(118.3), R75-3(78.4KG), R80-4(69.8KG), R82-4(44.9KG), R76-4 (536.9kg) - CONNECTED WITH 78-4(39.5), 77-3(11.6KG), 79-3, (236.4KG) NOTE: R76-4 CONNECTED WITH R78-4, R77-3, R79-3 Ch:0+160 145 Installation of sporting bar for TRB Ch.:0+095 - 110 Drilling for 07m tension rock bolts II-2 LEFT Ch.:0+045 - 30 Drilling for tension rock bolts Ch.:0+72.45~ Grouting for tension rock bolts. (Grouted =03pcs) Location: -L16-1(63.5KG), -L22-1(87.2KG), -L12-1(182.2KG)	Day II-2 RIGHT Ch.:0+095~0+090.008 :30 - 10:00) Drilling for 07m tension rock bolts II-2 LEFTCh.0+80.0~0+090.009:30~) Grouting for tension rock bolts. (Grouted =02pcs)Location: -L24-1(95.0KG), -L30-1(70.8KG) Note: Working stop 11 O'clock due to Chinese new year Night F.Ch:0+241.0II-2 RIGHT Side Note: Working stop due to Chinese new year.II-2 Left SideCh:0+158.0~

	DRILLING FOR ONLY 1m FOR NO REASON AT ALL. NO RESPONSIBLE CHINESE REPRESENTATIVE AT SITE. Night F.Ch:0+241.0 II-2 RIGHT Side Grouting for 7m Tension rock bolts Locations:-(R79-4=109.0Ltr) (R78-5=138.9Ltr) Note: Grouting stop due to grouting machine breakdown. Ch:0+211.0~0+228.5 Installation of 7m Tension rock bolts (Qty=15pcs) Ch:0+00.0~0+012.0 Rectification of 2nd layer Rebar mesh Ch:0+0161.0~180.5 Survey & marking of Tension rock bolts II-2 Left Side Ch:0+160.0~ Drilling for 7m Tension Rock bolts Grouting for 7m Tension rock bolts Locations:-(L106-1=80.8Ltr) (L104-1=66.2Ltr) Ch:0+50.0~0+035.0 Rectification of 2nd layer Rebar mesh Ch:0+0226.0~0+0235.0 Installation of Tension rock bolts	1(66.7KG), L88-1 (91.2KG), L84-1 () Night F.Ch:0+241.0 II-2 RIGHT Side Grouting for 7m Tension rock bolts Locations:-(R79-4=109.0Ltr) (R78-5=138.9Ltr) Ch:0+211.0~0+228.5 Installation of 7m Tension rock bolts (Qty=15pcs) Ch:0+00.0~0+012.0 Rectification of 2nd layer Rebar mesh Ch:0+0161.0~180.5 Survey & marking of Tension rock bolts II-2 Left Side Ch:0+160.0~ Drilling for 7m Tension Rock bolts Grouting for 7m Tension rock bolts Locations:-(L106-1=80.8Ltr) (L104-1=66.2Ltr) Ch:0+50.0~0+035.0 Rectification of 2nd layer Rebar mesh Ch:0+0226.0~0+0235.0 Installation of Tension rock bolts	(87.1KG), L58-1 (92.0KG), L56-1 (60.8KG), L50-1 (203.2kg - connected with L48- 1), L48-1 (69.4kg), L54-1 (75.9kg), L52-1 (109.8kg), L46-1 (70.9 kg Night F. Ch:0+241.0 II-2 RIGHT Side Ch.: 0+159.0~ Drilling for 7m Tension Rock bolts Ch.: 0+241.5~0+223.0 Fabricating of scaffolding platform. Ch.: 0+230.0~ Installation of Tension rock bolts Ch.: 0+00.0 Rectification of First layer Wire mesh on face Ch.: 0+62.0~0+010.0) 3rd layer of 2nd pass PS shotcrete Qty=16m³ II-2 Left Side Ch.: 0+136.0. Drilling for 7m Tension Rock bolts Ch:0+35.0~ Ratification of 2nd layer Rebar mesh Grouting for Tension rock bolts Locations:-(L42-1=169.1KG) (L57-2=46.0KG) (L55-2=180.8KG) (L53-2=216.2KG) Ch:0+00.00 20:15~3:15) Rectification of First layer Wire mesh on face	Ch.:0+143.0~0+180.0 Installation of tension rock bolts (26pcs) CH.:0+150.0~200.0 Thickness test of shotcrete. Night' F.Ch:0+241.0 II-2 RIGHT Side Ch.: 0+200.0~ Drilling of 0.5m for cutting rebar mesh at PS tendon locations. Ch:0+166.0~ 20:00~) Installation of supporting bars for Tension rock bolts 20:50~Grouting for Tension rock bolts Locations:-(R66-5=70.4KG) (R62-5=67.8KG) (R67-4=111.5KG) (R64-5=105.5KG) (R65-4=46.1KG) Ch:0+00.0(U/S Face))Drilling for rock dowels on face II-2 00:) Installation & packing of Rock dowels (Qty=12 pcs L=8m) Ch:0+116.0~0+110.0 Installation & packing of Tension rock bolts (Qty=4pcs) II-2 Left Side Ch:0+094.0~ 21:25~) Drilling for Rock dowels Ch:0+0166.0~ 20:55~) Installation of supporting bars for Tension rock bolts Ch:0+55.0~0+113.0 Installation & packing of Tension rock bolts (Qty=26 pcs) Ch:0+00.0~0+050.0 3rd layer PS shotcrete (Qty=27m³) Ch:0+00.0(U/S Face) 2nd layer PS shotcrete on Face (Qty=5m³) Survey for Rock dowels 1:15~) Drilling for rock dowels 00:27~) Grouting for rock dowels Locations:-(L26-1=(104.4KG)	Grouting for tension rock bolts. GROUT WASTAGE DUE TO LEAKAGE FROM PACKER. Location: L32-1(41.2KG), L34-1(60.9), L36-1(53.2KG), And L38-1 (61.4), -L6-1 (41.2kg), -L8-1(41.7kg), -L14-1 (72.7kg), -L18-1 (61.1kg), -L10-1 (59.7kg), -L20 -1 (69.2) Ch.:0+143.0~0+180.0 09:45~) Installation of tension rock bolts Ch.:0+217.35 09:00~) Drilling for PS tendons Location: PH95-3 Night F.Ch:0+241.0 II-2 RIGHT Side Ch:0+0.00(face U/S) 21:00~1:30) Installation of 2nd layer Wire mesh & R/dowels face plates Inspection has been done & allow for shotcrete 03:10~03:40) 3rd layer shotcrete PS Qty=8.0m³ Ch:0+127.0~ 20:40~) Drilling for Tension rock bolts Ch:0+178.0~ 21:50~) Installation of Tension rock bolts II-2 Left Side Ch:0+052.0~ 20:00~) Drilling for rock dowels	Ch...:160.0~0+ Installation of tension rock bolts (15pcs) Night F.Ch:0+241.0 II-2 RIGHT Side Ch:0+152.0~ Installation of supporting bars for tension roc bolts Ch:0+103.0 Drilling for Tension rock bolts II-2 Left Side Ch:0+158.0~ Installation of Tension rock bolts Ch:0+35.0~ Drilling for Tension rock bolts Grouting for Tension rock bolts (Qty=15Pcs Grouted) Locations:-(L5-2=131.0KG) (L20-1=120.0KG) (L1-1=61.4KG) (-L7-2=83.2KG)(L9-2=50.5KG) (L104-2=76.7KG) (L100-2=70.6KG) (L102-2=81.5KG)(L92-2=184.3KG) (L89-2=164.1KG) (L98-2=110.2KG) (L96-2=60.8KG) (L94-2=136.8KG) (L93-2=74.2KG) (L91-2=162.9KG) (-L13-2=72.4KG) Note:--L11-2=87.4KG) Rejected due to leakage from packer	
Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2	Day F.Ch:0+241.0~ Approx. Day No activity Night No Activity	Day No Activity No Activity	Day No Activity Night No Activity	D Day & Night F.Ch:0+241.0~ Approx. No Activity	Day & Night F.Ch:0+241.0~ Approx. No Activity	Day & night F:Ch:0+241.0 Approx. No activity	Day & night F:Ch:0+241.0 Approx. No activity
Powerhouse Cavern Pilot (Crown Portion) PH-I-3 & I-1	PH I 1 Day F.Ch:0+241.0(D/S) Ch.: 0+170.0~ fixing of head cap and packing of extensometer. 14:30~) Installation of supporting bars for extensometer NOTE: the platform for fixing the extensometer is unsafe Night No Activity	Day F.Ch:0+241.0(D/S) Ch:0+170.0~ Reading for extensometer taken by CGGC laboratory staff Night No Activity Ph. I 1 No activity	Day PH I 3 No Activity PH I 1 Day No Activity Night Ch..: 0+241.0 Ch:0+170.0~ Ch:0+170.0 20:00~) Shifting of XY-2 D.Ma	Ph. I 1 No Activity PH I 3 No Activity	PH I 1 Day No Activity Night' No Activity PH I 3 No Activity	PH I 1 F.Ch:0+241.0(D/S) Ch.: 0+080 - 070 Drilling for PS tendons. Ch..: 170 Assembling and installation of axial load transducer Night Ch..: 0+241.0 Ch.: 0+55.0~ Drilling of 0.6m for cutting Rebar form PS Tendon location. PH I 3 No Activity	PH I 1 F.Ch:0+241.0(D/S)Ch.: 0+170~10:10~10:40) Grouting for axial force Transducer (Grouted= 170.1KG) Note: Working stop 11 O'clock due to Chinese new year Ph. I 1 No Activity
01A Drain Tunnel Left Crown of PH I-2	Day F. Ch:0+041.5 No Activity Night F: Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity Night F: Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity Night F: Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 Mucking Night F: Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity Night F: Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity Night F: Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity Night F: Ch.:0+41.5 No Activity
Service Tunnel A	Day F.Ch:0+567.5 STA PAT Junction Drilling for anchor bars for ventilation duct, Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations
Penstock Admit Tunnel towards Lower	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area	Day PAT- 01 Design Excavation Completed	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area	Day Day PAT- 01 Design Excavation Completed

pressure Mani fold area Tunnel No 1	No activity > Ventilation is not functional Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity	No activity > Ventilation is not functional Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity	PAT 1 Plug Area No activity Night PAT-01 Design Excavation is complete	No activity > Ventilation is not functional Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity	No activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity	No activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity	PAT 1 Plug Area No activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity
Penstock Admit Tunnel towards Lower pressure Manifold area Tunnel No 2	Day Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 Curing of Bed Concrete PAT 2 Plug Area Removing of Formwork Curing of Plug Concrete Note: No responsible CGGC QAQC Person at site to ensure curing. Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area Curing of Plug Concrete	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 Curing of Bed Concrete PAT 2 Plug Area Curing of Plug Concrete Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area Curing of Plug Concrete	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 Curing of Bed Concrete PAT 2 Plug Area Curing of Plug Concrete Note: CURING IS VERY LESS. NO RESPONSIBLE QAQC PERSON AT SITE. Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area NO Activity	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 Curing of Bed Concrete PAT 2 Plug Area Curing of Plug Concrete Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area NO Activity	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 07:30~) Curing of Bed Concrete PAT 2 Plug Area 7:30~) Curing of Plug Concrete Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area 21:40~22:50) Curing of Plug Concrete	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 Curing of Bed Concrete PAT 2 Plug Area Curing of Plug Concrete Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02Ch: 0+014.0~025.0No activity PAT 2 Plug Area No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold)Lower Pressure Tunnel 02PAT 2 Plug Area No
GIS Cavern Access Tunnel from STA	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity Night F.CH:0+116 approx. No Activity
Connection Tunnel to Powerhouse From STA	Day F. Ch:0+076 No Activity Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity Night F. Ch:0+076 No Activity Due to lack of resources	Day F. Ch:0+076 No Activity Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity Night F. Ch:0+076 No Activity
STB from Powerhouse Connection Tunnel	Day F. Ch.:0+116.0 approx. ~ Repairing of ventilation fan. Night F.Ch:0+116.0(Approx.) Mucking & scaling	Day F. Ch.:0+127.0 Ch..: 105 - 080 Remedial shotcrete Qty = 6m3 and in progress. Night F.Ch:0+127 No Activity Note: > High temperature & ventilation problem.	Day F. Ch.:0+127.0 Ch..: 080 - Remedial shotcrete not started due to breakdown of shotcrete machine 2SA02 Note: Ventilation problem at site. Night No activity	Day F. Ch.:0+127.0 Working stopped by OHS due to high concentration of CO inside... Night F.Ch:0+127 No Activity	Day F. Ch.:0+127.0 No Activity Night F.Ch:0+127 No Activity	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0 Remedial SF shotcrete Qty=6M³ Note: > High temperature & ventilation problem.	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Note: Ventilation problem at site Night F.Ch:0+127 Ch.:0+85.0~0+75.0 No Activity
Surge Chamber Vault Access Tunnel	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+44.0 Survey for bench blast 09:05~11:05) Drilling for Bench Blast Charging for bench blast Blast carried out Mucking VAT Right and left Chamber. Night Towards left side Chamber #01 Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+048.5~ Survey for blast Drilling for blast Charging for blast Exp=55kg) Blast carried out Mucking & scaling is in progress....	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+52.0 Excavation and mucking Note: > HIGH TEMPERATURE problem in VAT Night El:▼0+990.0~0+980.0 Mucking	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Bench Ch.: 0+55.0 (approx.) Excavation and mucking Note: > HIGH TEMPERATURE IN VAT Night Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+55.0 (approx.) Survey for Bench blast Drilling for Bench blast Charging for blast (EXP=64KG) 1:16 Blast carried out 2:40~Mucking is in progress > High temperature and ventilation problem in VAT Right and left Chamber	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Bench Ch.: 0+56.0 (approx.) Survey for bench blast Drilling for bench blast (holes = 43) Charging for blast (EXP = 50kg) Blast carried out Mucking is in progress Night Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+56.0 (approx.) Mucking	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Bench Ch.: 0+56.0 (approx.) Mucking Night Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch.: 0+64.5.0 (approx.) Survey for blast 22:09~23:59) Drilling for blast Charging for blast Exp=67kg Blast carried out Mucking is in progress... > High temperature and ventilation problem in VAT Right and left Chamber	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Night Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Ch:0+37~0+55.0	Day Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Night Towards Right side Chamber #02 F.Ch:0+026.0 No activity
Drain Tunnel	Day F. Ch949.5 Design excavation is complete No activity	Day F. Ch949.5 Design excavation is complete No activity	Day F:Ch 949.5 Design excavation is completed no activity Night	Day F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No Activity

	Night F. Ch949.5 Design excavation is complete No activity	Night F. Ch949.5 Design excavation is complete No activity	F:Ch 949.5 Design excavation is completed No Activity	Night Day F.Ch. 0+949.5.0 Design excavation is complete No Activity	Night Day F.Ch. 0+949.5.0 Design excavation is complete No Activity	Night Day F.Ch. 0+949.5.0 Design excavation is complete No Activity	Night Day F.Ch. 0+949.5.0 Design excavation is complete No Activity
Existing shaft tunnel from I1 drain tunnel	Day Vertical Existing shaft No Activity Night No Activity	Day Vertical Existing shaft No Activity Night No Activity	Day Vertical Existing shaft No Activity Night No Activity	Day Vertical Existing shaft No Activity Night No Activity	Day Vertical Existing shaft No Activity Night No Activity	Day Vertical Existing shaft No Activity Night No Activity	Day Vertical Existing shaft No Activity Night No Activity
CR-5-1 Access road and LU-1 Intake Area	Day Intake area Mucking LU 1 NO Activity	Intake Area El:▼0+990.0~0+980.0 Mucking L u 1 No Activity	Intake El:▼0+990.0~0+980.0 Mucking Drilling for blast L u1 No Activity	Intake Area El:▼0+990.0~0+980.0 Mucking Drilling for blast LU 1 Ch..: 550 - 600) Drilling for thickness test holes	Intake Area El:▼0+990.0~0+980.0 Excavation and Mucking Charging for blast (EXP = 850kg) Blast carried out NOTE No QA/QC person not available on site Night No Activity	Intake area El:▼0+978.0~0+972.0 Excavation and Mucking Breaking of boulders by jack hammer L U 1 No Activity	Intake Area El:▼0+978.0~0+972.0 8:00~) Excavation and Mucking NOTE > No responsible OHS person on site L U 1 No Activity
CT-2	Day F.Ch. 0+375.5~0+377.5 Mucking and scaling Shotcrete 1st layer PS Qty=6m³ . Night F.Ch.: 0+375.5 Ch:0+373~0+0376.0 Drilling for rock dowels Grouting & installation of Rock dowels Qty=8pcs	Day F.Ch. 0+378 Ch.:0+370~0+378 Shotcrete second layer PS Qty=6m³ Survey for blast NOTE: > Again reminded to the contractor for remedial shotcrete. Night F.Ch.: 0+375.5 Ch:0+373~0+0376.0 Drilling for rock dowels Grouting & installation of Rock dowels is in progress	Day F.Ch. 0+378~0+381 shotcrete 1st layer PS Qty=4m³ Ch.:0+377.0~0+379.0 10:00~12:00) Installation of wire mesh Ch.: 0+378.5~0+380 12:45~14:30) Drilling for rock dowels Rectification of wire mesh in progress... Night F.Ch.: 0+381 Ch:0+378.5~0+380 2nd layer PS shotcrete Qty=6m³ Ch.: 0+381 Survey for blast Drilling for blast is in progress 20:30~4:00) Dewatering	Day F.Ch.: 0+383.50~ Charging for blast Exp=200kg 10:10) Blast is carried out Mucking and scaling Mapping (Qv=0.83) 1st layer shotcrete (PS Qty=3m³) Night' F.385.5 (Approx.) Ch.:0+381.0~0+383.5 Grouting for Rock dowels Qty=5pcs Note:-L/w& R/W remaining (only 2pcs of crown portion has been done)L/C=3rd no rejected due to expose from s/c surface Ch:0+379.0~0+381.0 Installation of wire mesh Qty=21m2	Day F.Ch.: 0+383.50 Ch:0+385.50~ Drilling for blast Charging for blast EXP = 195kg Blast carried out Mucking Night F.385.5(Approx.) Ch:0+385.50 Day Mucking & scaling Mapping Qv=0.87 First layer shotcrete Qty=6m³	Day F.Ch. 0+386.50 Survey for blast Drilling for blast Ch..:0+384.50~0+386.0 Grouting for rock dowels (Grouted=06pcs) Installation of wire mesh on crown portion 2nd layer shotcrete (PS Qty=5m³) Ch..:0+317.0~0+321.0 Installation of wire mesh on crown portion Night F.Ch.: 0+389.5(Approx.) Ch.: 0+386.50~0+389.5 Charging for blast (Exp=224KG) 20:41) Blast carried out	Day F.Ch.: 0+389.50 Ch..:0+287.50~0+389.0 07:30~08:30) Drilling for rock dowels 09:15~11:00) Grouting for rock dowels (Grouted=06pcs) Ch..: 0+383.5 - 388.0 11:30~) Installation of wire mesh on crown portion Note: > Ventilation is not functional Night F.Ch.: 0+389.5(Approx.) Day_21:50) Drilling for blast 21:50~23:19) Charging for blast (Exp=224KG) 23:37) Blast carried out 00:50~) Mucking is in progress…
Switch Yard Compound	Day El:▼920 Mucking El:▼ 950~960(4th layer left side) 1st layer shotcrete Qty=10m³	Day El:▼ 950~960(4th layer right side) Cleaning of drain El:▼ 940~950 (3rd layer right side) Mucking Night No activity	Day Day work order Excavation	Day El:▼ 950~960(4th layer left side)) Shotcrete 1st layer PS Qty=30m³ El:▼ 960~970 (5th layer right side)) Manually drilling for thickness test El:▼ 950~940 (3rd layer right side) mucking	Day El:▼ 960~958(4th layer left side Center portion) Installation of wire mesh El:▼ 943 (3rd layer) Excavation and mucking El:▼ 950~942(5th layer right side) Installation of PVC pipe	Day El:▼ 950~942(5th layer right side) Installation of wire mesh El:▼ 960~958(4th layer left side Center portion) No activity El:▼ 943 (3rd layer) Excavation and mucking	Day El:▼ 970~960(6th layer Right side) 10:10~10:40) Survey & Geological mapping. El:▼ 950~960(5th layer left side) 08:00~) Installation of wire mesh El:▼ 943 (3rd layer) 08:00 -) Excavation and mucking
Switch Yard Day Work	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity

ate/Day Location	22 Sunday	23 Monday	24 Tuesday	25 Wednesday
Main Access Tunnel	DAY F.Ch:0+963 No Activity due to Limited resources Design Excavation is completed. But support work is remaining.	DAY F.Ch:0+963 No Activity due to Limited resources Design Excavation is completed. But support work is remaining.	DAY F.Ch:0+963 No Activity due to Limited resources Design Excavation is completed. But support work is remaining.	DAY F.Ch:0+963 No Activity due to Limited resources Design Excavation is completed. But support work is remaining.
Draft Tunnel Towards Tailrace Tunnel No 2	Day Ch.: K0+053.5 No Activity Night Ch.: K0+053.5 No Activity.	Day Ch.: K0+053.5 No Activity Night Ch.: K0+053.5 No Activity.	Day Ch.: K0+053.5 No Activity Night Ch.: K0+053.5 No Activity.	Day Ch.: K0+053.5 No Activity Night Ch.: K0+053.5 No Activity.
Draft Tunnel Towards Tailrace Tunnel No 1	Day Ch..: 0+270-290 (Junction) Night Ch:245.0~280.0 (Junction)	Day Ch..: 0+270-290 (Junction) Night Ch:245.0~280.0 (Junction)	Day Ch..: 0+270-290 (Junction) Night Ch:245.0~280.0 (Junction)	Drilling for Blast at Crown Enlargement
Exhaust Tunnel	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼792.0 (008 - 010) Drilling for blast and cleaning of holes Night The total length of Tunnel is 215m & excavation of tunnel has been completed	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼792.0 (008 - 010) Drilling for blast and cleaning of holes Night	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼792.0 (008 - 010) Drilling for blast and cleaning of holes Night	Day Exhaust tunnel The Total length of Tunnel is 215m & excavation of tunnel has been completed Exhaust shaft EL▼792.0 (008 - 010) Drilling for blast and cleaning of holes Night

		The total length of Tunnel is 215m & excavation of tunnel has been completed	The total length of Tunnel is 215m & excavation of tunnel has been completed	The total length of Tunnel is 215m & excavation of tunnel has been completed
Service Tunnel C	Ch.:0+341~0+359.0 Grouting for rock dowels	No Activity	No Activity	No Activity
Transformer Cavern Tunnel i-2	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity
Transformer Cavern Bench II-1	Day No Activity Night 0+241 Note: Working stop 11 O'clock due to Chinese new year	Grouting for missing rock dowel	Drilling for missing rock dowel and support work	
TC II-2(1) +TCII-2(2) (Left and Right)	Day No Activity Because of Chinese happy new year	Drilling for missing rock dowel and support work	Drilling for missing rock dowel and support work	Grouting for missing rock dowel
Transformer Cavern Pilot Tunnel I-1 and I-3	No Activity on I 1 and I 3	Drilling for missing rock dowel and support work	Drilling for missing rock dowel and support work	Drilling for missing rock dowel and support work
Powerhouse Cavern Pilot tunnel (Crown portion) I-2	Day No Activity	Arrangement of extensometer and drilling for Ps Tendon	Arrangement of extensometer and drilling for Ps Tendon	Arrangement of extensometer and drilling for Ps Tendon
Powerhouse Cavern Pilot tunnel Bench II-1	Day No Activity Night No Activity	Arrangement of extensometer and drilling for Ps Tendon	Arrangement of extensometer and drilling for Ps Tendon	Arrangement of extensometer and drilling for Ps Tendon
PH II-2(1) +Ph. II-2(2) (Left and Right)	Day II-2 RIGHT Ch.:0+215 - 195 Grouting for 7m TRB (Grouted = 10 pcs) (154.1kg),R90-4(65.5kg) Ch..: 0+160 - 140 Installation of support bars for TRBII-2 LEFT Ch.:0+080 - 050 = 10 pcs) Ch..: 0+160 - 140 Grouting for 7m TRB. (Grouted Installation of support bars for TRB Night F.Ch:0+241.0 II-2 RIGHT Side Note: Working stop due to Chinese new year.	Drilling for TRB And Rectification of support work.	Drilling for TRB And Rectification of support work.	Drilling for TRB And Rectification of support work.
Powerhouse Cavern Pilot (Right Crown Portion) I-3 & I-1	Day No Activity Night No activity	Day No Activity Night No activity	Day No Activity Night No activity	Day No Activity Night No activity
01A Drain Tunnel Left Crown PH I-2	NO Activity	NO Activity	NO Activity	NO Activity
Service Tunnel A	Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations	Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations	Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations	Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations
Penstock Admit Tunnel towards Lower pressure Tunnel No 1	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity
Penstock Admit Tunnel towards Lower pressure Tunnel No 2	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity PAT 2 Plug Area No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity PAT 2 Plug Area No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity PAT 2 Plug Area No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity PAT 2 Plug Area No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02
GIS Cavern Access Tunnel from STA	Day F.ch:0+116 No Activity Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity Night F.ch:0+116 No Activity
Connection Tunnel to Powerhouse From STA	Day F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources.
Service Tunnel B	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0
Surge Chamber Vault Access Tunnel	Day Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.) Night	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0 Day F. Ch.:0+127.0	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0	Day F. Ch.:0+127.0 No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0

	Right and Left chamber junction Area Towards Right side Chamber #02 F.Ch:0+026.0 No activity Towards left side Chamber #01 F. Ch.: 0+067 (Approx.)	No Activity. STB Access barricaded by OHS Night F.Ch:0+127 Ch.:0+85.0~0+75.0		
Existing shaft tunnel from I1 drain tunnel	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity
Drain Tunnel	Day F.Ch. 0+949.5.0 Design excavation is complete. No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete. No activity	Day F.Ch. 0+949.5.0 Design excavation is complete. No activity	Day F.Ch. 0+949.5.0 Design excavation is complete. No activity
CR-5-1 Access road and LU-1 Intake Area	Intake Area El:▼0+978.0~0+972.0 No activity Due to rain LU 1 No Activity	Intake Area El:▼0+978.0~0+972.0 No activity Due to rain LU 1 No Activity	Intake Area El:▼0+978.0~0+972.0 No activity Due to rain LU 1 No Activity	Intake Area El:▼0+978.0~0+972.0 No activity Due to rain LU 1 No Activity
CT-2 Admit Tunnel	Day F.Ch.: 0+389.50 No activity till due to Chinese new year Drilling for blast Charging for blast Night F.Ch.: 0+389.5(Approx.) Day 21:50) Drilling for blast	Day F.Ch.: 0+391.0 Charging for blast Night F.Ch.: 0+391(Approx.) Drilling for blast was carried out	Day F.Ch.: 0+393.0 Charging for blast Night F.Ch.: 0+393(Approx.) Drilling for blast was carried out	Day F.Ch.: 0+397.0 Charging for blast Night F.Ch.: 0+397(Approx.) Drilling for blast was carried out
Switch yard Compound	Day El: ▼ 970~960(6th layer Right side) No activity Due to rain El:▼ 950~960(5th layer left side) No activity Due to rain El: ▼ 943 (3rd layer) No activity Due to rain Night No Activity	El: ▼ 943 (3rd layer) Excavation and lowering level was in progress Slope protection is in progress	El: ▼ 943 (3rd layer) Excavation and lowering level was in progress Slope protection is in progress	El: ▼ 943 (3rd layer) Excavation and lowering level were in progress Slope protection is in progress
Switch yard Day work order	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity

Daily Work Records of EM-01

S/No Structure	1 Sunday	2 Monday	3 Tuesday	4 Wednesday	5 Thursday	6 Friday	7 Saturday
Terrace #1	No activity	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	No activity	No activity
Terrace #2	Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	Construction of Retaining Wall
Terrace #15	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	No activity
Terrace #4	Construction of Retaining Wall	No activity	No activity	No activity	No activity	No activity	Construction of Retaining Wall
Terrace #16	No activity	No activity	No activity	No activity	Construction of Brest Wall	No activity	No activity
Terrace #11	No activity	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	No activity	No activity
Terrace #10	Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	No activity	Construction of Retaining Wall
Roadside Boundary Wall	Formwork for Boundary wall Foundation & Concrete Work	Formwork for Boundary wall Foundation & Concrete Work	Formwork for Boundary wall Foundation & Concrete Work	Formwork for Boundary wall Foundation & Concrete Work	Formwork for Boundary wall Foundation & Concrete Work	Formwork for Boundary wall Foundation & Concrete Work	Formwork for Boundary wall Foundation & Concrete Work
Side Boundary Wall	Block Masonry Work	Block Masonry Work	Block Masonry Work	Block Masonry Work	Block Masonry Work	Block Masonry Work	Block Masonry Work
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	**8 Sunday**	**9 Monday**	**10 Tuesday**	**11 Wednesday**	**12 Thursday**	**13 Friday**	**14 Saturday**
Terrace #2	Construction of Retaining Wall	Excavation and Levelling & Construction of Retaining Wall	Construction of Retaining Wall	No activity	No activity	No activity	Construction of Retaining Wall
Terrace #15	Excavation and Levelling	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #4	No activity	No activity	No activity	No activity	No activity	No activity	Construction of Retaining Wall
Terrace #7	No activity	No activity	Construction of Retaining Wall	No activity	No activity	No activity	Construction of Retaining Wall
Terrace #12	Construction of Retaining Wall	No activity	Construction of Retaining Wall	No activity	No activity	No activity	Construction of Retaining Wall
Terrace #11	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #10	Construction of Retaining Wall	No activity	No activity	No activity	No activity	No activity	Construction of Breast Wall
Roadside Boundary Wall	Formwork for Boundary wall Foundation & Concrete Work	No activity	No activity	No activity	No activity	No activity	No activity
Side Boundary Wall	Block Masonry Work	Block Masonry Work	Block Masonry Work	No activity	No activity	No activity	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	No activity	No activity	No activity	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	**15 Sunday**	**16 Monday**	**17 Tuesday**	**18 Wednesday**	**19 Thursday**	**20 Friday**	**21 Saturday**
Terrace #1	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #2	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #3	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #4	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	No activity	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #15	No activity	No activity	No activity	No activity	No activity	Excavation and Levelling	Excavation and Levelling
Terrace #7	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	No activity	No activity	No activity
Terrace #8	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #9	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #10	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #12	No activity	No activity	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Roadside Boundary Wall	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Side Boundary Wall	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6	Foundation of Boundary Wall CP14 TO CP15 & Block Masonry Work CP5 TO CP6
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	**22 Sunday**	**23 Monday**	**24 Tuesday**	**25 Wednesday**	**26 Thursday**	**27 Friday**	**28 Saturday**
Terrace #2	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #4	No activity	No activity	No activity	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	No activity
Block Factory	Block Making for Roadside Boundary Wall	Block Making for Roadside Boundary Wall	Block Making for Roadside Boundary Wall	Block Making for Roadside Boundary Wall	Block Making for Roadside Boundary Wall	Block Making for Roadside Boundary Wall	No activity
Terrace #12	No activity	No activity	No activity	No activity	Construction of Retaining Wall	Construction of Retaining Wall	No activity
Terrace #11	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	No activity
Terrace #10	No activity	No activity	No activity	No activity	No activity	Construction of Retaining Wall	No activity

Terrace #15	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	No activity	No activity
Roadsides Breast Wall	No activity	No activity	No activity	No activity	No activity	Construction of Retaining Wall	No activity
Watch Tower	Foundation Excavation	Foundation Excavation	Foundation Excavation	Foundation Excavation	Foundation Excavation	Foundation Excavation	No activity
Roadside Boundary Wall	No activity	No activity	No activity	No activity	Block Masonry Work	Block Masonry Work	No activity
Side Boundary Wall	Column, Beam ,Wall Footing work CP14 TO CP15 & Top Beam Work CP5 TO CP6	Column, Beam ,Wall Footing work CP14 TO CP15 & Top Beam Work CP5 TO CP6	Column , Beam ,Wall Footing work CP14 TO CP15 & Top Beam Work CP5 TO CP6	Column , Beam ,Wall Footing work CP14 TO CP15 & Top Beam Work CP5 TO CP6	Column , Beam ,Wall Footing work CP14 TO CP15 & Top Beam Work CP5 TO CP6	Column , Beam ,Wall Footing work CP14 TO CP15 & Top Beam Work CP5 TO CP6	No activity
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	No activity