



DASU HYDROPOWER CONSULTANTS

Dasu Hydropower Project

Joint Venture of



With sub-consultants



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Contract No: DHP-CSA01

Our Ref. No: DHC/Dasu/WAPDA/GEN/tm/22- 492

Date: 23rd August 2022

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

Subject: Dasu HPP – MPR No.96 for the Month of July 2022 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.96 (14 Copies)

Copy to:

1. GM/PP DHPP,WAPDA Camp Office Lahore
2. All J.V. Members (1-copy each)
3. DHC Lahore Office
4. Office file



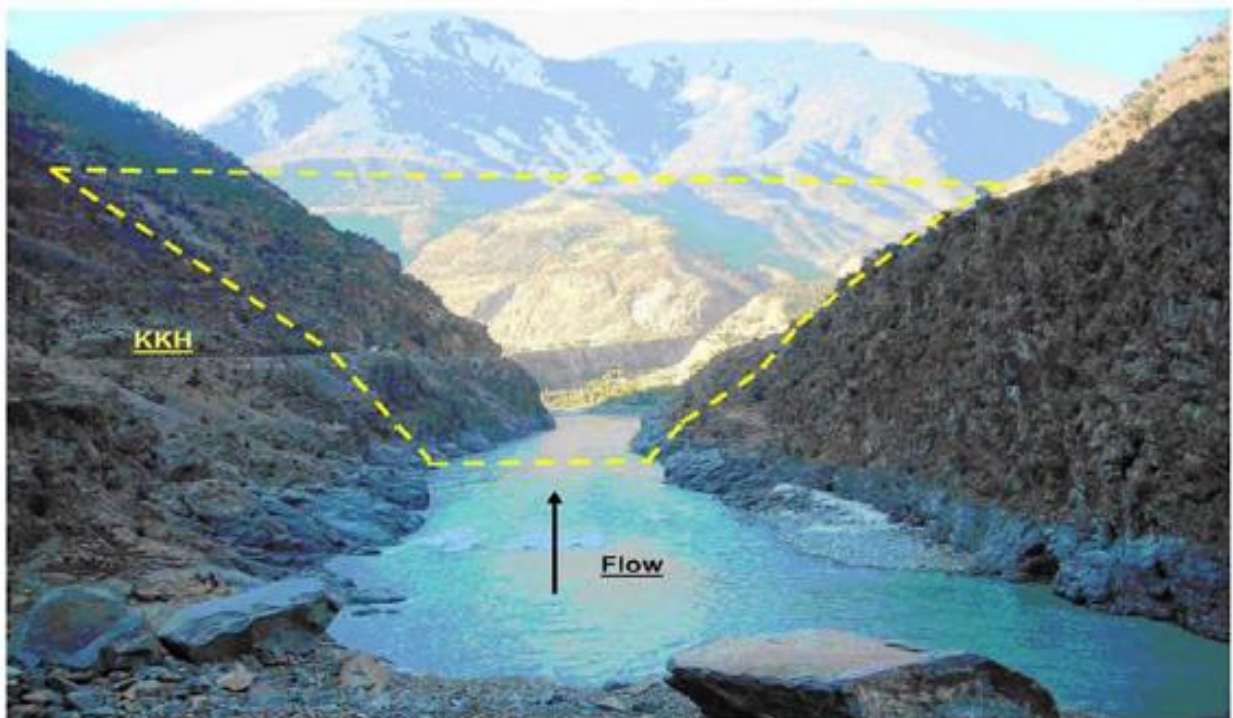
PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY

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. 96

July 2022

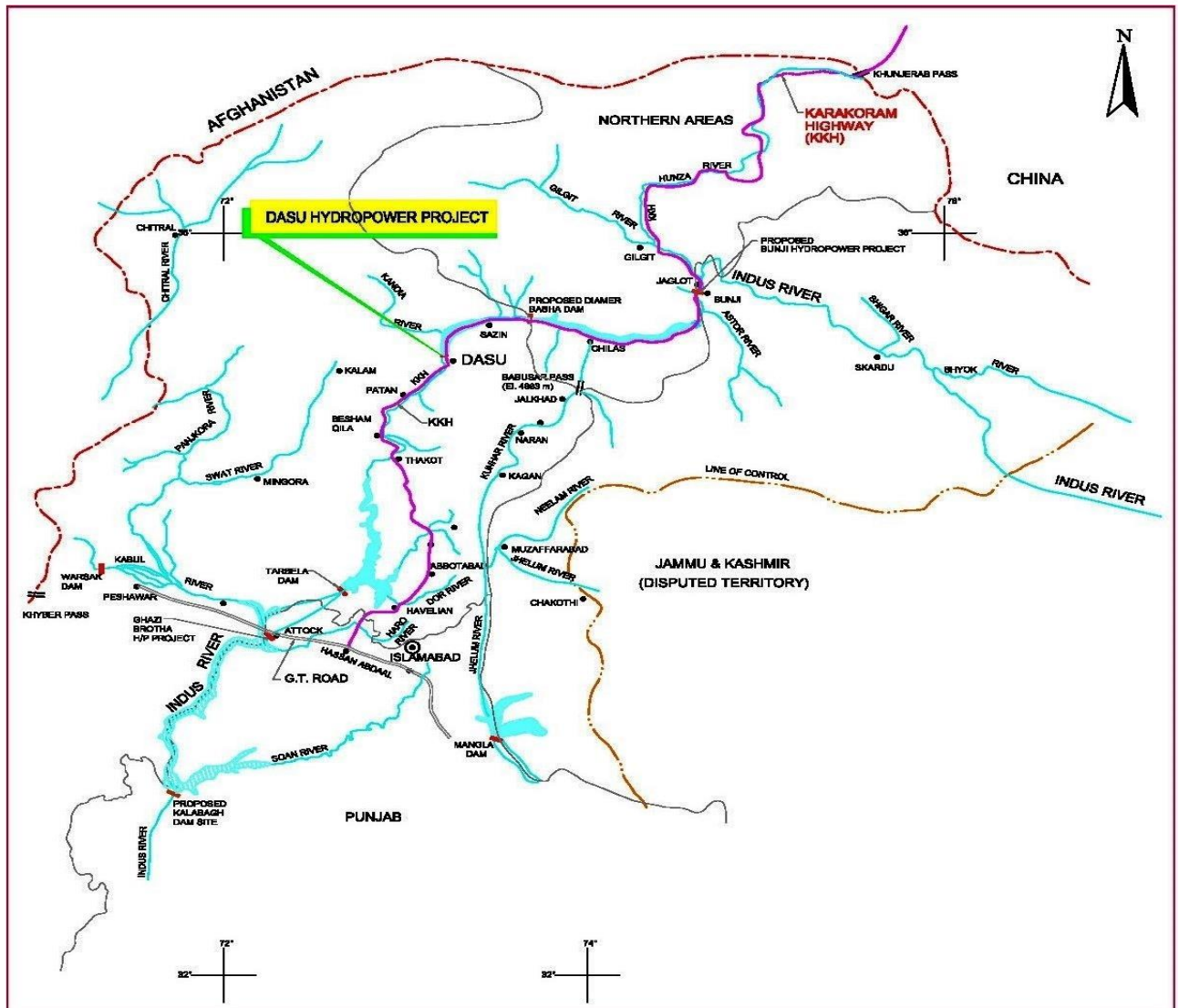
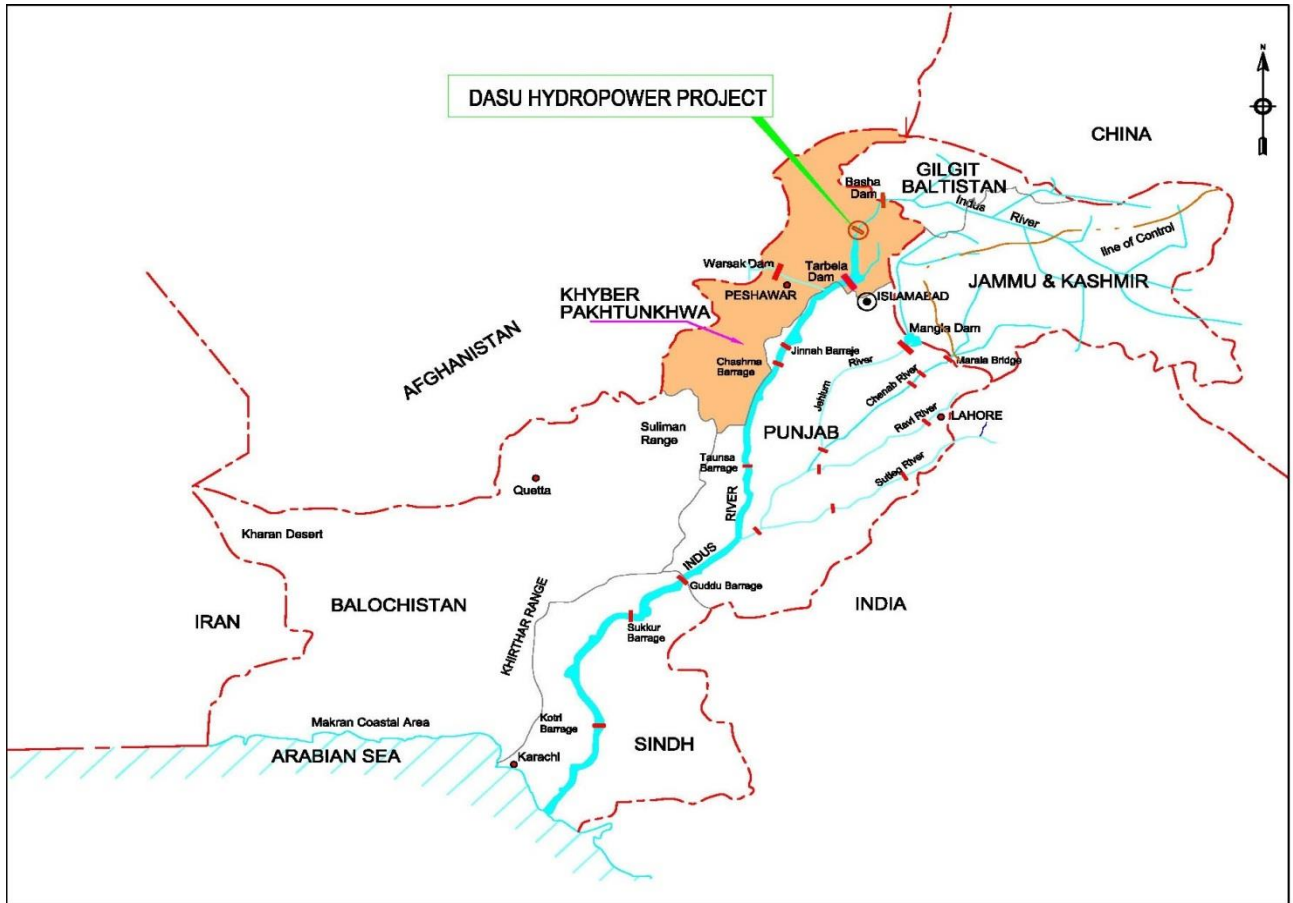
Dasu Hydropower Consultants (DHC)

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With Sub-Consultants





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 x W x H	212 m (424 m) x 31 m x 62 m
- Transformer Cavern L x W x H	212 m (424 m) x 22 m x 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 month of July 2022.

1.1 Major Events

- (1) WAPDA Advisor (Mr. Nasir Hanif) visited the Dasu site on the 3rd of July 2022 as continuation of his visit which started on 29th of June 2022. A meeting was held with the main works Contractor (CGGC) in the DHC conference room. The Contractor was asked to utilize resources efficiently so that the river could be diverted this year. The Contractor highlighted several issues related to land acquisition and provision of power for the Uchar (Thoki) crushing plant, The Employer has agreed to resolve these issues on a priority basis so that progress of the ongoing activities is not impacted.
- (2) The Deputy Commissioner Kohistan Upper (Mr. Wasif-ur-Rehman) transferred and the new Deputy Commissioner (Mr. Asif Shahi) joined on 18th July 2022. The Ex Deputy-Commissioner (Mr. Wasif-ur-Rehman) served as the Deputy Commissioner Kohistan Upper for a period of about eight months. He has been leading the implementation of Enhanced Self-Managed Relocation Package (ESMR) as Convener ESMR-Implementation Committees. The ESMR implementation slowed down during the reporting month due to the transfer of Deputy Commissioner and Eid Holidays.
- (3) Contractor has commenced the construction activities at K4 outlet and Logro-A tunnel during the month. Contractor has faced the flood two times in Uchar Camp due to the rise of water level in Indus River because of the huge debris flow in Uchar Nullah.
- (4) Water supply pipe for temporary facilities was broken due Uchar Nullah Flood on 24th & 27th July, 2022. All construction activities were suspended including operation of crushing plant.
- (5) Comprehensive inter-adjustment of Remuneration and Reimbursable Expenses both Foreign and Local Currency within approved cost of AM-4 (B) in CSA has been submitted to WAPDA for approval during the month of July 2022
- (6) During July 2022, an amount of PKR 24,973,772 /- was paid as compensation payment to 07 PAPs of various components. A total of 07 Cheques were issued by DC office during the month of July 2022.

At the end of July 2022, a total amount of PKR 18.82 billion was paid, including PKR 18.48 billion to 7,492 PAPs through 11,126 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)
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)

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Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
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 17 th 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 10 th April 2017. Comments of CCC were received and after incorporating said comments the PQ documents were resubmitted to WAPDA on 31 st 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 9 th 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 19 th 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
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	780.72	15.60	796.32
Dolsar	520.96	316.81	7.13	323.94
Locals	8,950.44	5,271.13	85.76	5,356.89

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	27	96	233	356
Grand Total					381

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. Hirota Koizumi	Construction Technical Advisor	01 st July 2022	NK
2	Mr. Ali Onur Kuruk	Bridge Design/Supervision Engineer KKH-01 & KKH-02	03 rd July 2022	Dolsar
3	Mr. Fidencio Mendez	Project Manager	09 th July 2022	NK
4	Mr. Nakajima	Construction Technical Advisor	13 th July 2022	NK
5	Mr. Burhan Arioiz	Transmission Line and Grid Specialist	27 th July 2022	Dolsar

Table 3.5: Departure of DHC Expatriates from Project

Sr. No.	Name of Staff	Position/Designation	Date of Departure	Name of Firm
1.	Mr. Selcuk Genc	Assistant Design Engineer	06 th July 2022	Dolsar
2.	Mr. Birol Murat Erdolu	Construction Technical Advisor	10 th July 2022	Dolsar
3.	Mr. Hojjat Hussainzadeh	RCC/CVC Mix Expert	14 th July 2022	Dolsar
4.	Mr. Michael Canny	Resident Engineer for MW-02	16 th July 2022	NK
5.	Mr. Tatsuya Miyazato	Deputy Project Manager B	28 th July 2022	NK
6.	Mr. Shuji Nakata	Chief Electrical Engineer	30 th July 2022	NK

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 Zubair Rafique	Jr. M&E Professional (Data Analyst)	27 th July 2022	PES

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.	-	-	-	-

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 notified the Contractor on his "Notice to Claim due to lack of Fuel" that supply of fuel is currently open and any delay in this regard would be considered as the Contractor's Delay. [MW-01]
- The Engineer notified the Employer of the DB's decision on Discount matter and summarizes its potential financial implication. [MW-01 & MW-02]
- The Engineer reminded the Contractor to provide required information for the provision of vehicles. [MW-01 & MW-02]
- The Engineer informed the Contractor that the Employer has shown his agreement with the DB's non-binding opinion No.1 on Land Slide matter. [MW-01].
- The Engineer requested the Contractor to provide further enlisted supporting documents for Work Hindrance Claim. [MW-01]
- The Engineer requested the Contractor to provide further enlisted supporting documents for Land Slide Claim. [MW-01].
- The Engineer once again reminded the Contractor to provide details for the provision of vehicles within 7 days. [MW-01]
- The Engineer requested the Employer to either provide its comments or submit the referral to dispute board on Power supply issue. [MW-01]
- The Engineer requested the Contractor for extension of expired Contractor's Workmen's Compensation (WC) Insurance Policy. [MW-01]
- The Engineer instructed the Contractor to pay the remaining Hire Charges for Helicopter Services to NLC against the Invoices provided by the Employer. [MW-01]
- The Engineer notified the Contractor on his "Notice to Claim due to lack of Fuel" that supply of fuel is currently open and any delay in this regard would be considered as the Contractor's Delay.[MW-02]

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

- The Engineer reminded the Contractor to extend the Advance Payment guarantee that is going to expire in near future. [LBRV-11]
- The Engineer requested the Contractor to submit the updated list of equipment mobilized for both Contracts LBRV-11 & LBRV-12. [LBRV-11 & LBRV-12]
- The Engineer requested the Contractor to extend the expired WC, TPL and CAW insurance policies as per Contract requirement. [LBRV-11].

- The Engineer issued a variation order No. DASU-LBRV-11 VO-003 signed by the Engineer and the Contractor. [LBRV-11].
 - The Engineer issued a variation order No. DASU-LBRV-11 VO-002 signed by the Engineer and the Contractor. [LBRV-11].
 - The Engineer requested the Contractor to provide supporting particulars for the evaluation of Time Impact Analysis in order to proceed on assessment of delay analysis. [LBRV-11].
 - The Engineer issued interim payment certificate IPC No.9 and forwarded to the Employer for further necessary action. [LBRV-12]
 - The Engineer reminded the Contractor to extend the Advance Payment guarantee that is going to expire in near future. [LBRV-12]
 - The Engineer issued a variation order No. DASU-LBRV-12 VO-001 signed by the Engineer and the Contractor. [LBRV-12].
- c) Contract ICB No. Dasu-PCI-01R**
- The Engineer provided the clarifications on “Notice to Correct” to the Employer.
 - The Engineer refused the request of the Contractor to include application of 1 coat of primer and putty on internal walls of project office and residence C-01 buildings in variation order for extra Cost.
 - The Engineer reminded the Contractor once again to propose potential candidate for establishment of Dispute Board.
 - The Engineer provided clarifications to the Employer on the Contractor’s request for re-evaluation of the additional cost and time claims.
 - The Engineer instructed the Contractor to improve his slow progress on various Works and asked to provide the recovery schedule in 7 days.
 - The Engineer issued the interim payment certificate IPC-31 and sent to the Employer for further action.
 - The Engineer issued a notification of extension of time EOT up to 31st October 2022.
 - The Engineer ask the Contractor to have a consultation meeting to finalize the pending variations.
 - The Engineer requested the Contractor to extend the CPM, WC, CAR insurance policies as per the contractual obligation.
 - The Engineer issued variation order VO-012 signed by the Contractor and the Engineer.
 - The Engineer issued the variation order VO-011 signed by the Contractor and the Engineer
 - The Engineer informed the Employer of the Contractor’s suggestion for appointment of DB through “General Secretary of Internal Chamber of Commerce”.
 - The Engineer refused the request of the Contractor for a variation order for dismantling of walls and supply & installation of aluminum windows and instructed to include in day work
 - The Engineer instructed the Contractor once again to provide revised Program on account of EOT
 - The Engineer requested the response of the Employer on matter of Diesel Generator for Project Office and Colony.
- d) Contract ICB No. DASU-RAR-01:**
- The Engineer issued the interim payment certificate IPC-31 and sent to the Employer for further action.
 - The Engineer instructed the Contractor to extend the Workmen Compensation WC insurance policy that is near to expire.
- e) Contract ICB No. DASU-RAR-02:**
- The Engineer notified the Contractor on his “Notice to Claim due to lack of Fuel” that supply of fuel is currently open and any delay in this regard would be considered as the Contractor’s Delay.
 - The Engineer instructed the Contractor to extend the Workmen Compensation WC insurance policy that is near to expire.

f) Contract ICB No. TL-01

- The Engineer issued the interim payment certificate IPC-61 and sent to the Employer for further action.

g) Contract ICB No. EM-01

- The Project Manager disapproved the Contractor's request for adopting absolute value instead of basic index figures in price adjustment under the Contract and provided his detailed comments.
- The Project Manager acknowledged the Contractor's authorization of its representative to collect the Cheque for Advance payment from the Employer's office.
- The Project Manager responded on the Contractor's proposal of temporary storage for equipment and advised to focus on construction of Site Camp.
- The Project Manager reviewed the proposed DB Member's CV by the Contractor and provided his concerns to the Employer.
- The Project Manager informed the Contractor that the Employer has accorded approval to the subject insurance policy documents submitted by the Contractor.
- The Project Manager denied the recommendation of alternative supplier proposal for Guide Vanes by the Contractor and provided his detailed comments.
- The Project Manager denied the recommendation of alternative supplier proposal for Turbine Shaft by the Contractor and provided his detailed comments.
- The Project Manager provided his comments on templates of permission to deliver and packing list.
- The Project Manager provided his consent to the Contractor to proceed for manufacturing of main transformer and reactor as per approved design.
- The Project Manager responded to the contractor on recommendation of alternative supplier proposal for Generator Store Core by the Contractor and provided his detailed comments.
- The Project Manager provided the principle that the Contractor's request for change order for construction of proposed boundary wall of site camp has no Merit.
- The Project Manager requested the Employer to convey its decision for approval of the Contractor's nominated DB member.

h) Contract ICB No. KKH-01

- The Engineer issued a variation order No. KKH-01/VO-001R signed by both the Contractor and the Engineer.
- The Engineer requested the Contractor to extend Initial Advance Payment Guarantee of original KKH-01 Contract.
- The Engineer conveyed the Employer's approval on the Contractor's request to replace the current bank with another for Bank Guarantee/Security.

i) Contract ICB No. KKH-02

- The Engineer notified the Contractor on his "Notice to Claim due to lack of Fuel" that supply of fuel is currently open and any delay in this regard would be considered as the Contractor's Delay.
- The Engineer proposed a candidate and attached his CV for Sole Member of DB to the Employer for the constitution of the Dispute Board.

j) Contract ICB No. DASU RV

- The Engineer provided clarification on request of the Employer to prepare variation cases for omission of non-handed over of sites Choochang Site 02 & 03

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

- Contractor requested to take over the control of Explosive magazine in Barseen, previously which was in use of Ms. Zhongmei.

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
18-Jun-22	CCECC/DASU-KKH-01/LOGRO-A/RFDA/197	submission shop drawing of logro-A tunnel (K9+140 ~ K10+360)	07-Jul-22	Revise and Resubmit
28-Jun-22	CCECC/DASU-KKH-01/DASU-02/RFDA/198	Submission shop drawing for Exit portal for DASU-02 Tunnel (K4+624 ~ K4+635).	02-Jul-22	Revise and Resubmit
02-Jul-22	CCECC/DASU-KKH-01/RW Backfill/RFDA/199	Resubmission of Shop Drawing for Backfill behind retaining wall at K24+675.00 to K24+710.15 on KKH-01	04-Jul-22	Approved
02-Jul-22	CCECC/DASU-KKH-01/RW Backfill/RFDA/200	Resubmission of Shop Drawing for Backfill behind retaining wall at K0+825.00 to K0+893.75 and K1+175.00 to K1+237.50 on Kaigah bypass (KKH-01)	04-Jul-22	Approved
04-Jul-22	CCECC/DASU-KKH-01/DASU-02/RFDA/198 R	Submission Revised shop Drawings for Exit Portal for DASU-02 Tunnel (K4+624~K4+635).	04-Jul-22	Approved
23-Jul-22	CCECC/DASU-KKH-01/LOGRO-A/RFDA/197R	Submission of shop Drawings of LOGRO-A Tunnel Entrance & Exit Portal (K9+140-K9+152)&(K10+352-K10+360) at KKH-01	23-Jul-22	Approved

B) KKH-02

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

1) Major Activities

- Excavation and blasting at K28 kaigah access Road, K31 Access Road and K34 access Roads.
- Excavation works at K 31 Access Road and K28 access roads have been completed and Contractor has started the excavation of main KKH-02 alignment.
- Area for temporary spoil dumps has been identified and handed over to the Contractor.
- Furnishing items for Engineer's office at Kaigah camp is also being finalized.
- Contractor will start K 45 access road soon.
- Request for removal of houses inside and below the KKH-02 has been forwarded to the Employer.
- Drawings for Army Barracks have been submitted by the Contractor and is sent to Employer for Review.
- Drawings for Security Check Post has been made and forwarded to the Contractor for execution.
- Site visits jointly with WAPDA and Contractor for identification of alternate locations for temporary facilities.
- Meetings conducted with the Contractor and the Employer to discuss the ROW, houses and other issues.

2) Design Activities

The following design activities are in progress.

- Checking of Shop drawings for KKH-02.
- Replying of queries of the Employer on the proposed structures.

C) RAR-01 Team

1) Major Activities

- Site visit to Komila bypass for checking of excavation activities and work progress.
- Joint site visit with social section and Assistant Commoner for checking & verification of houses and also removing of houses at komila bypass.
- Joint progress meeting with the Contractor and Employer for Komila bypass.
- Interim payment certificate # 31 letter dated July 05, 2022.
- Letter issued to Contractor regarding QRF Scouts at zaal camp dated July 05, 2022.

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
04-Jul-22	CCECC/DASU-RAR-01/RFI/80	Construction of Causeway Structure at K1+350 of Komila Bypass	05/Jul/2022	Approved

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
05-Jul-22	CCECC/DASU-RAR-01/KB/RFDA/33	Submission of proposed profile/alignment for locals bypass at end point of komila bypass	05/Jul/2022	Approved
24-Jul-22	CCECC/DASU-RAR-01/KB/RFDA/35	submission of causeway shop drawing K1+318.75 to K1+356.25	23/Jul/2022	Approved Except as Noted
26-Jul-22	CCECC/DASU-RAR-01/KB/RFDA/36	submission of causeway BBS from K1+318.75 to K1+356.25	27/Jul/2022	Approved Except as Noted
27-Jul-22	CCECC/DASU-RAR-01/KB/RFDA/51	submission of concrete pavement work done section K11+393.33 to K11+436.60 K11+534.40 to K11+687.50	27/Jul/2022	Approved Except as Noted

D) RAR-02 Team

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

1) Major Activities

- Excavation and blasting work at RAR02 (K13+200), Larghani Cableway foundation (K20+600), Kandia and Seer Gayal access roads.
- The concreting is continued at Larghani for left side foundation of cable way transportation system.
- Checking blasting pattern submitted by the Contractor.
- Reviewed Contractor's proposal of Heavy Machinery Transportation System at K47+900.
- Checking of Contractor Standing Time records and DPR.
- Review of contractor's weekly and monthly progress reports.
- Supervision of site activities including concrete, blasting, excavation and drilling works.
- Conducting of Progress meetings with Contractor and Employer.

2) Design Activities

The following design activities are in progress.

- Reviewed and replied the submission of shop drawings of RAR02 (Cross sections from K12+666 to K13+190, design of K29+000 access road and left bank foundation treatment of cableway transportation system).
- Issued construction drawings including plan, profile and cross section from K39+800 to K53+790.
- Reviewed and replied the contractor's proposal regarding design change at L13+250.
- Reviewed the submission of Calculation of Kandia suspension bridge

3.4.4 TL Section

Major DHC activities undertaken during this month are:

1) Correspondence:

- Prepared the letter regarding Welding and Stringing inspection form for approval.
- Prepared the letter regarding Slop protection plan and design for Access road of Grid Station.
- Prepared the letter regarding installation of Fence in Grid Station.
- Prepared the letter regarding submission of loads and load combination for foundation drawings of Gantries and revised foundation layout plan of Grid Station.
- Prepared letter regarding handing over of remaining 20m land access of Grid Station.
- Prepared letter regarding no progress at tower erection and stringing.
- Prepared letter regarding no site activities after Eid Holidays.
- Prepared letter regarding slow progress of Control House building at Grid Station.
- Issued approval for revised drawing of foundation layout plan of Grid Station.
- Issued approval for revised drawing of water supply and sanitary system for Control House building of Grid Station.
- Prepared letter regarding construction of telephone exchange building of PCI-01R.
- Prepared letter regarding design, supply, installation, testing and commissioning of solar system for project office, Cat-01 & Cat-02.
- Issued approval for network switches of project office PCI-01R.
- Issued approval for design of underground cable laying of project office, Cat-01 & Cat-02 PCI-01R.

2) Meetings:

- Overall Progress review meeting of TL-01 with Contractor and WAPDA held on 21st July, 2022.

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

The major DHC activities undertaken during this month are:

a) MW-01

- The Engineer continued to finalize RfP for varied works on the permanent road (LU-2) and temporary access road to cable crane foundation on left bank (CR 5-2).
- The following working drawings were submitted by the Contractor and the Engineer reviewed and replied, accordingly.

Contractor's Drawings

Received Date	Letter Number	Title	Reply Date
7-Jul-22	CGGC/MW-01/RFDA/DHC-434	Blasting Design of Left Bank Traffic Diversion Tunnel Type II Section-(D1)	14-Jul-22
17-Jul-22	CGGC/MW-01/RFDA/DHC-435	Design Drawing of Plug Concrete of AT1 and AT2 and AT3-1 of Diversion Tunnel-(D5)	
26-Jul-22	CGGC/MW-01/RFDA/DHC-436	Blasting Design of Left Bank Traffic Diversion Tunnel Type II Section-(D1)	

Method Statement

Received Date	Letter Number	Title	Reply Date
18-Jul-2022	CGGC/MW-01/TD/DHC-2343	Submission of Method Statement of River Closure	
16-July-2022	CGGC/MW-01/TD/DHC-2341	Submission of Method Statement of Diversion Tunnel Cofferdam Removal	

NCR and Engineer's Instruction

NCR

NCR Issued Date	NCR No.	Title	Remarks
1-Jul-2022	MW-01-NCR-39	Improper Concrete Placement	
1-July-2022	MW-01-NCR-40	Water Spring on Invert Concrete	

Engineer's Instruction

EI Issued Date	NCR No.	Title	Remarks
14-Jul-2022	DHC/Dasu/MW-01/EI/22-017	Reconstruction of Water Tank for Local Houses at Kass	
16-Jul-2022	DHC/Dasu/MW-01/EI/22-018	Inlet Open Part below El. 802.9m Crown Slab Part next to Gate Slot Amending Concrete Outline and Re-bar Arrangement in 1 st Concrete Stage	
27-Jul-2022	DHC/Dasu/MW-01/EI/22-019	Part-1 Open Portion Crown Slab Amending Re Bar Arrangement	
29-Jul-2022	DHC/Dasu/MW-01/EI/22-020	Removing all the Equipment near the Indus River and in the Diversion Tunnel to the Safer Sites & Dewatering of Seepage water at the Inlet Structure of Diversion Tunnel	

b) MW-02

1) General

- Emergency Planning for Potential Flood.MW-02.

The Contractor was instructed to continuously monitor the flow level of the Indus River and should ensure emergency preparedness strategies for storage of material and heavy equipment should be away from the riverbank.

- Claim for Additional Payment Due to Landslide for MW-02

The Engineer reiterated his position regarding this issue the Contractor's Claim on the MW-02 Contracts was not proven.

- Location Tailrace Diversion of KKH from Existing KKH Road.MW-02

The Contractor was instructed to submit with immediate effect the following:

- Recovery Plan for the current site conditions.
- Traffic Management Pan.

- **The Removal of Spoil Material Back to Natural Ground Formation Switchyard Area MW-02 (Day Work order)**
The Engineer issued the daywork order towards the removal of spoil material back to natural ground formation.
- **Ventilation within the Entire Underground Powerhouse Complex.MW-02**
The Contractor was instructed to install the correct and appropriate ventilation system as stated within the method statement(s)/construction plan for the entire Underground Powerhouse Complex.
- **Construction Design Drawings for Steel Penstock.**
The Engineer was issued the Construction Drawings for Steel Penstock.
- **Comments on the Submitted Plan for Third Party Laboratory Testing of Construction Materials, (MW-02)**
The Contractor was instructed that samples should be send to the third-party laboratory without any delay.
- **Approval of A25 Class Concrete Mix Design (Dmax= 50 mm Slump= 30-50 mm).**
The Engineer was approved conditionally the A25 Concrete Mix Design (Dmax=50mm Slump =30-50mm).
- **Submission of the Contract Programme R5-D9A of MW-02.**
The Contractor was reminded that Contractor should submit the soft version of the afore mentioned Schedule in Primavera P6, as requested in reference letter (DHC/Dasu/CGGC/MW-02/PLS/22-239 dated 4th June 2022), to review the relationships between the activities, sequences, etc. for the proper assessment of the EoT-2.
- **Extension of the Contractor's Workmen's Compensation (WC) Insurance Policy.**
Pursuant to GC Sub-Clause 18.4 [Insurance for Contractor's Personnel], which states that: "the insurance shall be maintained in full force and effect during the whole time that these personnel are assisting in the execution of the Works",
The Contractor was directed to extend the WC Insurance Policies for the remaining period till completion of the Work (i.e. 21st January 2023), as per provision of the contract.

2) Review of Contractor's Working Drawings

The Engineer reviewed and replied of the following drawings.

Letter Nos.	Title	EAC No.	Reply Date	Remarks
CGGC/MW-02/RFDA/DHC-405	Construction design drawings for steel Penstock	EAC-22-034	23-Jul-22	
CGGC/MW-02/RFDA/DHC-406	Intake Structure Support from EL.961.60m to EL.1018.00m	EAC-22-032	02-Jul-22	
CGGC/MW-02/RFDA/DHC-409	Blasting Design of Penstock Adit Plug Bottom (D3)	EAC-22-033	18-Jul-22	

3) Issued Engineer Instruction

The Engineer issued the following Site Instructions (SIs).

Location	Subject	EI No.	Issue Date
Lower Pressure Tunnel LPT1	Crown Underbreak Removal at Ch.0+00-0+006	22-42a	22-Jul-22

4) NCR Issued by Engineer

The Engineer issued the following NCR.

Location	Subject	NCR No.	Issue Date
Nil	Nil	Nil	Nil

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 asked the contractor to submit the Updated List of all Equipment Mobilized for Contracts LBRV-11 and LBRV-12 dated 14th July 2022.
- The Engineer issued the Progress Review Minutes of Meeting held Dated 6th July, 2022 dated 15th July 2022.

- The Engineer asked the contractor for Extension of Insurance Policies dated 16th July 2022.
- The Engineer responded regarding the Defective Sewer System Works of Khoshe Site-2 Link-1 dated 17th July 2022.
- The Engineer issued Drawing Safety Guard at Koshee-1 and Uchar-1 dated 21st July 2022.
- The Engineer requested the Employer to review and return the signed V0-003-Slope Protection Works at Khoshe-1 dated 22nd July 2022.
- The Engineer requested the Employer to review and return the signed V0-002-Slope Protection Works at Uchar -01 dated 22nd July 2022.
- The Engineer asked the Employer about the Public Structure Omission from the Ambit of LBRV-11 dated 25th July 2022.
- The Engineer responded regarding the Supporting Particulars for the Evaluation of Time Impact Analysis dated 25th July 2022.
- The Engineer responded Erosion of Construction Material and Damage of Contractor's Camp due to Heavy Rainfall & Flood in River Indus dated 26th July 2022.
- The Engineer asked the contractor regarding there Extension of Advance Guarantee.LBRV-11 dated 30th July 2022.

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
23-Jul	ZEG/DASU-LBRV-11 Khoshee 01 SD/RFDA/039	Submission of the shop drawing of typical cross section for permanent access road	28-07-2022	Approved Except As Noted
27-Jul	ZEG/DASU-LBRV-11 Khoshee 01 SD/RFDA/040	Submission of the revised shop drawing for the external water supply of khoshee 1	28-07-2022	Approved Except As Noted
27-Jul	ZEG/DASU-LBRV-11 Khoshee 02 Link 01 SD/RFDA/020	Submission of the shop drawing for the clear water tank at khoshee 02 link 01	28-07-2022	Returned For Correction
31-Jul	ZEG/DASU-LBRV-11 Uchar 01 SD/RFDA/030	Submitting shop drawing for the chamber for house connection at Uchar site 01		

b) LBRV-12

- The Engineer requested the contractor to Provide Updated Programme Schedule for Remaining Works (Reminder) dated 4th may 2022.
- The Engineer responded regarding Non-Compliance to Use of Approved Construction Material dated 14th June 2022.
- The Engineer responded on the Delay in Construction of Drain Ditch at LBRV-12 dated 20th June 2022.
- The Engineer Requested the contractor to Provide Updated Schedule for Remaining Works .LBRV-12 dated 20th June 2022.
- The Engineer informed the Employer about Draft Variation (VO-004) Regarding Omission of Sites LBRV-12 dated 21st June 2022.

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
22-Jul	ZEG/DASU-LBRV-12 NASIRABAD 02/SD/RFDA/030	Submission of the Revised Shop drawing for the external water supply of Nasirabad site 02	25-07-2022	Approved
22-Jul	ZEG/DASU-LBRV-12 NASIRABAD 02/SD/RFDA/031	Submission of the shop drawing for the clear water tank of Nasirabad site 02	27-07-2022	Approved
25-Jul	ZEG/DASU-LBRV-12 NASIRABAD 02/SD/RFDA/032	Submission of the shop drawing for the sewerage system of additional terrace of Nasirabad site 02	25-07-2022	Approved Except As Noted

c) RV

- The Engineer Responded to the contractor Proposal for Design Supply Installation and Commissioning of Solar System for Project Office CAT-1 and CAT-2 Houses Project Colony dated 6th July 2022.
- The Engineer asked the Employer about the mission of Remaining Works of Archeological Site Shatial (Rock Carving Museum) dated 25th July 2022.
- The Engineer responded the contractor, s Proposal for Design Supply installation Testing and Commissioning of Solar System for Project office and Category 1 & 2 Houses at Project Colony. RV dated 26th July 2022.

No working drawings was submitted by the Contractor in May 2022.

d) Project Colony – PCI-01R

- The Engineer verified Interim Payment Certificate No.31.PCI-01R dated 1st July 2022.
- The Engineer responded regarding Notification of Extension of Time.PCI-01R dt: 1st July 22.
- The Engineer responded to the PPE Non-Compliances-Supply of PPEs by the Employer or DHC and Deduction of PPEs Payment from Your Invoice IPC.PCI-01R dated 4th July 2022.
- The Engineer issued the Progress Review Minutes of meeting held dated 11th June 2022.PCI-01R dated 5th July 2022.
- The Engineer issued the Progress Review Minutes of meeting held dated 19th June 2022. PCI-01R dated 5th July 2022.
- The Engineer issued the Progress Review Minutes of meeting held dated 27th June 2022. PCI-01R dated 6th July 2022.
- The Engineer responded instructed the contractor to Demonstration of Three Types of Accessories on Wooden Doors dated 27th June 2022.PCI-01R dated 13th July 2022.
- The Engineer instructed the contractor to start the Construction of WAPDA Security Office dated 13th July 2022.
- The Engineer instructed the contractor to start the Construction of Telephone Exchange Building dated 13th July 2022.
- The Engineer instructed the contractor to attend the Consultation Meeting to Finalize the Pending Variations dated 14th July 2022.
- The Engineer informed the contractor regarding the Extension of Insurance Policies dated 16th July 2022.
- The Engineer informed the regarding the Provision of Windows in Office Building Rooms dated 19th July 2022.
- The Engineer informed the Employer regarding the VO-012-Supply and Installation of Expansion Joint Filler and Backing Rod in Project Office, Community Center, Hostel Cat-3 and Hospital Buildings dated 19th July 2022.
- The Engineer informed the Employer regarding the V0-011- Supplying and Installation of False Ceiling (Gypsum Board) in Project Office Building Complete in all Respect dated 19th July 2022.
- The Engineer informed the Employer about the Contractor's Response to Establishment of Dispute Board dated 20th July 2022.
- The Engineer Replied to The Contractor's Submission of Variation Order Regarding Additional Works of Project Colony dated 21st July 2022.
- The Engineer instructed the contractor to control the dust at Colony Area Due to Crushing Plant Operation dated 21st July 2022.
- The Engineer responded to the Submission of Revised Programme on Account of EOT dated 22nd July 2022.
- The Engineer responded regarding Payment of the Outstanding Amount Rs. 17,242,550 as on 30th April 2022 dated 22nd July 2022.
- The Engineer issued the Progress Review Minutes of meeting held dated 19h June 2022.PCI-01R dated 23rd July 2022.
- The Engineer requested the Employer to respond regarding the Design, Supply, Installation, Testing and Commissioning of Diesel Generators for Project Office and Category-1 and 2 dated 23rd July 2022.
- The Engineer informed the Employer regarding the Payment of the Outstanding Amount Rs. 17,242,550 as on 30th April 2022 dated 26th July 2022.
- The Engineer responded regarding the Submission of Traffic Management Plan and Related Data dated 26th July 2022.
- The Engineer instructed the contractor regarding the Construction of Trench and Manholes for Underground Electrical Service Cable in Project Colony PCI-01R dated 28th July 2022.
- The Engineer responded the regarding the Works Damaged Due to Heavy Rain Fall Flood at Uchar Nullah.PCI-01R dated 30th July 2022.
- The Engineer issued the Progress Review Minutes of meeting held dated 19th July 2022.PCI-01R dated 30th July 2022.

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
4-Jul	CGICOP/DASU/PCI-01R/RFDA/303.Rev.03	Request of internal water supply system with for wapda project office and residence cat-1&2	6/7/2022	Approved Except As Noted
4-Jul	CGICOP/DASU/PCI-01R/RFDA/622	Request of underground service for wapda project colony	6/7/2022	Approved Except As Noted
7-Jul	CGICOP/DASU/PCI-01R/RFDA/623	submission of the typical drawing of sewerage system internal manhole for security guard rooms check post building	6/7/2022	Approved Except As Noted
7-Jul	CGICOP/DASU/PCI-01R/RFDA/619-Rev.01	Submission of shop drawing for the layout of plots and stone masonry retaining wall for the water pump supply system at intake	17-07-2022	Approved Except As Noted
19-Jul	CGICOP/DASU/PCI-01R/RFDA/285-Rev.05	Submission of shop drawing for the outer curtain glass wall with additional support cross sectional detail for the wapda project office building	20-07-2022	Approved Except As Noted
23-Jul	CGICOP/DASU/PCI-01R/RFDA/624	Submission of the drawing for the connection line WPO septic tank to main sewerage line Connection line Cat 1 S1 road to main sewerage line	23-07-2022	Approved Except As Noted
23-Jul	CGICOP/DASU/PCI-01R/RFDA/625	Submission of the shop drawing for the outside marble slab at wapda project office building.	25-07-2022	Approved
23-Jul	CGICOP/DASU/PCI-01R/RFDA/626	Submission of the shop drawing for the marble slab at inside stairs of the wapda project office building.	25-07-2022	Approved
23-Jul	CGICOP/DASU/PCI-01R/RFDA/627	Submission of the shop drawing for the marble slab at bath vanity counter top slab at wapda project office building.	25-07-2022	Approved
23-Jul	CGICOP/DASU/PCI-01R/RFDA/628	Submission of the shop drawing for the marble slab at kitchen counter top slab at wapda project office building.	25-07-2022	Approved Except As Noted
27-Jul	CGICOP/DASU/PCI-01R/RFDA/629	Submission of the internet data communication switch data sheet	27-07-2022	Approved
27-Jul	CGICOP/DASU/PCI-01R/RFDA/531-Rev.06	Submission of the shop drawing for the RCC top slab for the drainage of the wapda project office building	27-07-2022	Approved
29-Jul	CGICOP/DASU/PCI-01R/RFDA/630	Submission of the shop drawing for the additional design of the balcony safety railing at back side of the Res Cat 1	31-07-2022	Approved
29-Jul	CGICOP/DASU/PCI-01R/RFDA/631	Submission of the shop drawing for the kitchen counter top marble slab & building inside stair for the Res Cat 1	31-07-2022	Approved
31-Jul	CGICOP/DASU/PCI-01R/RFDA/632	Submission of the shop drawing for the layout of finish floor pattern detail for the security Guard Room at P1 road both Sides	31-07-2022	Approved
31-Jul	CGICOP/DASU/PCI-01R/RFDA/633	Submission of the shop drawing for the layout of vent pipe detail for the wapda project office building		
31-Jul	CGICOP/DASU/PCI-01R/RFDA/634	Submission of the shop drawing for the layout of earth work drawing for the septic tank & anaerobic tank at KKH Road	31/07/2022	Approved Except As Noted

3.4.7 EM-01

The major activities undertaken during this month were:

1) Civil Works

- **Claim No. EM-01C-02 Additional Cost and Time due to Delayed Handover of Camp Area.**

The Project Manager, pursuant to sub-Clause 45.1 of General Condition of Contract, disapproved the Contractor's Claim.

The Contractor's claim in the light of available documentation has no merit, and he has no entitlement for any additional cost.

- **Claim No. EM-01-C-02 Contractors Final Claim Report for Delayed Handing Over of Camp Area (4.442 ha) EM-01**

The Project Manager, pursuant to sub-Clause 45.1 of General Condition of Contract, disapproved the Contractor's Claim.

- **Confirmation of Security Facilities for EM-01 Camp.**

The Project Manager reviewed the Contractor's design drawings for security facilities and replied to modify the design according to the comments via letter no :(DHC/Dasu/WAPDA/EM-01/tm/22-147 dated June 14, 2022).

- **Submission of Revised Retaining Wall Drawing.**

The Project Manager reviewed the Contractor's design drawings and calculation and replied to correct or modify the drawings and calculation according to the comments. (Referenced Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0180 dated May 30th, 2022).

- **Sharing of Present Employees List along with Police Clearance Certificates. (Reminder#3).**

The Contractor was instructed to provide Police Clearance Certificates for all Pakistanis EM-01's Staff.

- **Cost Comparison Report for Construction of Boundary Wall at EM-01 Site Camp.**

The Project Manager reviewed cost comparison report for boundary wall at EM-01 camp submitted by the Contractor and replied that there is no merit and he has no entitlement of additional cost for the boundary wall which was instructed by the Employer.

- **Additional Cost of Temporary Fencing and Ground Leveling.EM-01.**

The Project Manager, pursuant to sub-Clause 45.1 of General Condition of Contract, disapproved the Contractor's Claim. The Contractor's claim has no merit, and such as The Contractor would not entitle for any additional cost.

- **Arrange Joint Site Inspection for EM-01 Camp.**

The Contract was requested to arrange joint site inspection with the Employer and the Project Manger to inspect the site to be used for the following structures.

- Watch Tower and Main Gate.
- Boundary wall and Temporary Fence.
- Toilet room for Watch Tower.

- **Security Requirements for EM-01 Camp.**

The Contractor was informed regarding the security requirements / arrangement of EM-01 Camp via letter no: (DHC/Dasu/WAPDA/EM-01/YS/22- 158 dated June 24, 2022.

2) 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
06-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0103	Employer's Liability Insurance	01-July-22	
15-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0114	Dasu Generator Rotor Fan Assembly, Rotor Balance Assembly, Low Voltage Diagram, Instrumentation List, Housing and Opening Arrangement for Approval	01-July-22	
19-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0160	Submit the Updated Key Drawing List	02-July-22	
19-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0121	Dasu Generator Inspection Test Plan for Approval	05-July-22	
13-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0160	Submission of Revised DASU Powerhouse Cavern Equipment Arrangement Drawing	06-July-22	
09-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0145	Reply for Foundation & Anchorage of Spiral Case and Stay Ring submission for approval	07-July-22	
06-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0146	Reply for the detail drawing of Upper Liner and Air Admission submission for approval	07-July-22	
07-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0148	GE Reply for 072-12-07 Dasu Generator Slip Assembly for Approval. EM-01	08-July-22	
28-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0142	Reply for 041-08.03.22 Combined Bearing Complete for Approval	09-July-22	
16-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0207	Reply for Detail Design Drawing of Lower Pit Liner submission for approval	08-July-22	
07-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0147	Dasu Generator Stator Winding Assembly, Rotor Lead Assembly Grounding System for Approval	08-July-22	
30-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0232	Internal Alignment on Protection System EM-01 and Shunt Reactor Capacity	-Jun-22	
01-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0188	Detail design drawing of turbine Draft tube cone submission for approval	13-July-22	
06-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0245	Equipment and piping arrangement of turbine draft tube dewatering pipe gallery for approval	15-July-22	
13-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0257	Application for Material Replacement Request 1&2	15-July-22	
30-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0170	Dasu HPP Application for Change Order on Update AVR Excitation System	15-July-22	
30-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0177	Auto Slit Monitoring System	16-July-22	
08-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0190	Reply for Main Shaft and Runner Pre Assembly in GE Workshop	18-July-22	
01-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0181	Dasu Generator Upper Floor Assembly, Shaft Current Monitoring Assembly, Electrical Consumer list for Information	18-July-22	
15-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0265	Reply for Lower pit Liner & Pressure Taps Embedded pipping drawing submission for approval	18-July-22	
09-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0196	Submission Unit Online Monitoring System General Design Drawing	19-July-22	
28-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0229	Supplier Change Application for Turbine Shaft	20-July-22	
13-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0259	Alternative Supplier Proposal for Guide Vanes	20-July-22	
30-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0164	Reply for Draft tube elbow, Anchorage and Air admission submission for approval	07-July-22	
05-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0144	Dasu Generator Stator Assembly, Rotor Assembly, Collector Static parts arrangement for approval	5-July-22	
22-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0212	Proposal to add Supplier Stay Ring-GE Hydro China Co. Ltd	21-July-22	
7-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0247	Templates of Permission to Deliver and Packing List	22-July-22	
23-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0224	Request for Consent to Subcontractor Main Transformer and Reactor	22-July-22	

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
14-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0200	Supplier Change Application for Generator Stator Core	22-July-22	
10-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0197	Resubmission of Governor System Hydraulic drawing, Calculation notes and Operating Instruction	21-July-22	
4-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0243	Cost Comparison report for Construction of Boundary Wall at EM-01 Site Camp	23-July-22	
15-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0262	Dasu HPP Confirmation of Equipment Color and 765KV Network Data	22-July-22	
20-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0217	Reply for 113-10.05.22- Dasu Generator Upper Bracket Lower Bracket foundation for Approval	22-July-22	
15-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0263	Casting Blade-UT & MT testing procedure for approval	23-July-22	
02-Sep-21	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0099	Ventilation Design Temperature and Humidity in Underground Cavern	23-July-22	
12-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0254	Casting Crown and Band UT&PT&MT testing procedure for approval	23-July-22	
13-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0258	Lightning Fixture of Pit Lightning and outline drawing on Upper Pit Liner submission for approval	23-July-22	
21-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0269	Submission of Contractor's Dispute Board (Db) Member for Approval	25-July-22	
16-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0196	Proposal to add Supplier of Auto Silt Monitoring System	25-July-22	
21-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0124	Proposal to Add Supplier of Unit Online Monitoring System	25-July-22	
27-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0267	Dasu HPP Reply to NTDC Comments on Transmission Line Protection	26-July-22	
26-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0277	Import Process Conformation Request	26-July-22	
26-Jun-22	GM/PD/DHPP/Contracts/E M-01/101/9261-68	Duties and Import Tax Exemption Application- Request for Advice/ Way-Forward	27-July-22	
14-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0202	Reply for Dasu Turbine Foundation Load Calculation submission for approval	27-July-22	
20-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0213	Dasu HPP- Comments on Revised Boundary Wall Design for the Contractor's Camp	28-July-22	
4-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0244	Notice to Provisional Sum- Reimbursement of Cost Security	28-July-22	
27-July-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0278	Templates of Permission to Deliver and Packing List	28-July-22	
27-July-22	GM/PD/DHPP/EM-01/9340-41	Change in the Shunt Reactor Rating from 120 to 180 MVAR Bank	29-July-22	
17-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0211	Submission the detail design drawing of Generator Voltage Switchgear (GCB)	29-July-22	

3.4.8 Environment Management Section

1. Overall activities

i) Solid Waste Disposal Area

The design has been completed by infrastructure section. A screening report preparation is in progress which will be submitted to WAPDA for their comments very shortly.

ii) Meeting with Chairman WAPDA regarding DHPP Logistic arrangements

Environment team prepared presentation in consultation with planning department regarding DHPP logistic arrangement and requirements. This was presented to Chairman WAPDA in Islamabad on 14th July 2022. NHA, NESPAK and Diamer Basha Dam management also participated in the meeting. NHA demanded that all safety measures that are planned under DHPP traffic management plan should be submitted with location map for approval. Similarly the requirement of layby area at Kuzabanda should also be submitted to NHA for onward processing.

iii) Participation in Dasu - District Monitoring Committee meeting

Participated in the Dasu - district monitoring committee meeting on 28th July 2022 regarding Seo and Uchaar crusher plants NOC. All stakeholders were invited to the meeting which included representatives from KP EPA, Industries department, Mines and Mineral and Forest Department. A presentation was delivered by Col@ Abdul Ghaffar (Advisor to DHC management) regarding the crusher plants and informed that Seo crusher plant would be state of the art and modern plant which is unique to Pakistan and is fully covered to contain dust and noise. All the stakeholders put their queries before the committee which was replied by DHPP to their satisfaction.

The D.C. Dasu granted conditional NOC and asked the stakeholders to represent the case in their respective departments to grant their NOC. Minutes of meeting will be issued to all stakeholders. Later on a site visit was also conducted.

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:

DHC reviewed Monthly Progress Report for KKH-01 and RAR-01 of the previous month of June 2022.

b) Environmental supervision:

Environmental supervision were conducted for both contracts of CCECC. At KKH-01 the environmental non-compliances like minor Oil spill, dust and inadequate housekeeping was noted. The observations were sent to the contractor through walkthrough environmental inspection report for rectification.

At RAR-01 dust and minor oil spillage along the Komila bypass construction site were observed. These observations were conveyed to contractor in Walkthrough Environmental inspection reports (WTEIRs) along with timelines to rectify the non-compliances.

c) Monthly meetings:

The monthly environmental progress review meeting were scheduled on 1st August 2022 but due to flooding of Uchaar camp and washing away of Uchaar Bridge, the meeting could not be made possible. Uchaar camp has been badly damaged but fortunately no casualties occurred.

RAR-01 contractor arrived for meeting. The Contractor showed compliance pictures of Oil spillage removal at Zaal camp. Contractor submitted a spoil disposal plan which was also discussed. The Contractor was informed that WAPDA has been asked to arrange a meeting with wildlife department Kohistan to sort out a mechanism to either handover the monkey to wildlife department for onward handing over to zoo or to release it into the wild. Similarly, the contractor was instructed to remove the oil spill and ensure housekeeping at Komila bypass. The contractor was also instructed to arrange an awareness session/refresher session with the staff regarding Oil spill and waste management. Likewise, the contractor was asked to ensure waste segregation at camp and at temporary waste storage site. The recyclable and reusable should not be dumped in the disposal site.

2.2. KKH-02 and RAR-02

a) Review:

The Construction Environmental Action Plan (CEAP) document of KKH-02 was reviewed and comments were sent to the contractor on 20th June 2022 to update the CEAP as per the Engineer comments. The Contractor has not submitted the report as yet.

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. The main issues identified at RAR-02 were same i.e. improper spoil disposal and dust during the excavation work and minor oil spillage. Similarly, for KKH-02 construction works, WTEIR has been sent to the contractor for rectification of the non-compliances i.e. Dust control, minor oil spillage and inadequate housekeeping at site. The contractor was instructed to rectify the non-compliance and submit report.

c) Monthly meetings:

The monthly environmental progress review meeting was scheduled on 1st August 2022 but due to Uchaar nullah flooding and consequent washing out of Uchaar Bridge, the meeting was postponed.

2.3. TL-01

a) Environmental supervision:

The construction work is currently limited to grid station only. Regular site inspections were conducted to the site. Minor oil spillage were noted at the construction site while inadequate housekeeping was observed at labour accommodation at the grid station. The issues were sent to the contractor through a walkthrough environmental inspection report and contractor was instructed to immediately rectify the issues.

b) Monthly meetings:

The monthly environmental progress review meeting was conducted for the month of July 2022 to discuss the status of previous pending issues. Water sprinkling was ensured while “inadequate housekeeping” was not rectified at the grid station. Similarly, the submission of plan for oversized vehicle movement to the project site was also not submitted. Minutes of meeting were prepared and shared with all stakeholders.

2.4. MW-01 and MW-02

a) Written Instructions

Another reminder letter has been sent to the contractor to conduct air dispersion modelling of the proposed Seo crusher plant site.

b) Environmental supervision:

Daily supervisions were conducted to ensure environmental compliance. Walkthrough environmental inspection reports were shared with the contractor to rectify the non-compliances observed during the site visits.

Drinking water sampling was also supervised on 22nd July 2022. The sample was taken at the Reverse osmosis plant in CGGC Barseen camp as per approved protocol of sampling. The sample was sent to third party laboratory for testing. The report is not yet submitted.

c) Monthly meetings:

The monthly environmental progress review meeting was scheduled on 1st August 2022 but due to Uchar Nullah flooding and collapse of Uchar Nullah Bridge the meeting was postponed.

d) Monthly spot monitoring:

The supervision of the monthly spot environmental monitoring at MW-01 and MW-02 were conducted on 20th July 2022. All parameters (Turbidity, Dissolved oxygen, conductivity and temperature) for wastewater were satisfactory except pH value which exceeded in most of the sedimentation tanks except Uchaar crushing plant pond which was 8.8. The pH value at sedimentation tank of CR-02 sedimentation Tank (Batching Plant) was 11.5, while the one in front of masjid at CR-02 was 10.7. Similarly the pH value was at the outlet of sedimentation tank of MAT pH value was 11.1 while at CR-09 sedimentation tank for batching plant was 10.4. No sampling was taken from the sedimentation tank of Uchaar crush plant and Adit-1 because the sedimentation tanks were not cleaned. The Contractor was instructed to regularly clean the sedimentation tanks and increase freshwater addition to lower the pH value.

2.5. LBRV-11 and LBRV-12

a) Environmental supervision:

The Construction activities are stopped and contractor is preparing for handing over of the completed LBRV-11 Resettlement sites at Uchar and Khoshe.

The flood that occurred on 24th and 27th July 2022 has badly eroded and damaged the contractor camp. However no loss of life has been reported.

2.6. 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 report.

b) Monthly meetings:

The monthly environmental progress review meeting was conducted for the month of July 2022 to discuss the status of previous pending issues. License for fuel storage is still not processed although NOC has been given by district administration. The Contractor was instructed to pursue the matter with Chief Inspector of Explosives KPK for grant of license.

2.7. Flood Incidence at Uchaar Nullah and Indus

A severe flood carrying huge boulders and slush occurred at Uchaar nullah on 24th and 27th July 2022 which badly damaged the Uchaar Bridge but the bridge endured the push of the flood. Three out of six beams were damaged. Light traffic was allowed to pass through the bridge.

Some Scouring has occurred at the edge of Zhongmei camp and along the CR-02 of main works while the Uchaar crushing plant was submerged during the flooding. Fortunately no casualties occurred. The cause of the flood might be cloud burst and heavy rainfall in the upper catchments of Uchaar nullah.

3.4.9 OHS Management Section

The primary responsibility of the 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 Contractors in the 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 fifteen (15) persons supported by one International OHS Advisor/Expert and two OHS Specialists. 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. One OHS Specialist;
4. One Sr. OHS Professional;
5. Three OHS Professionals;
6. Four Field OHS Professionals;
7. Three Field Inspectors; and
8. One Plant & Equipment Inspector

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

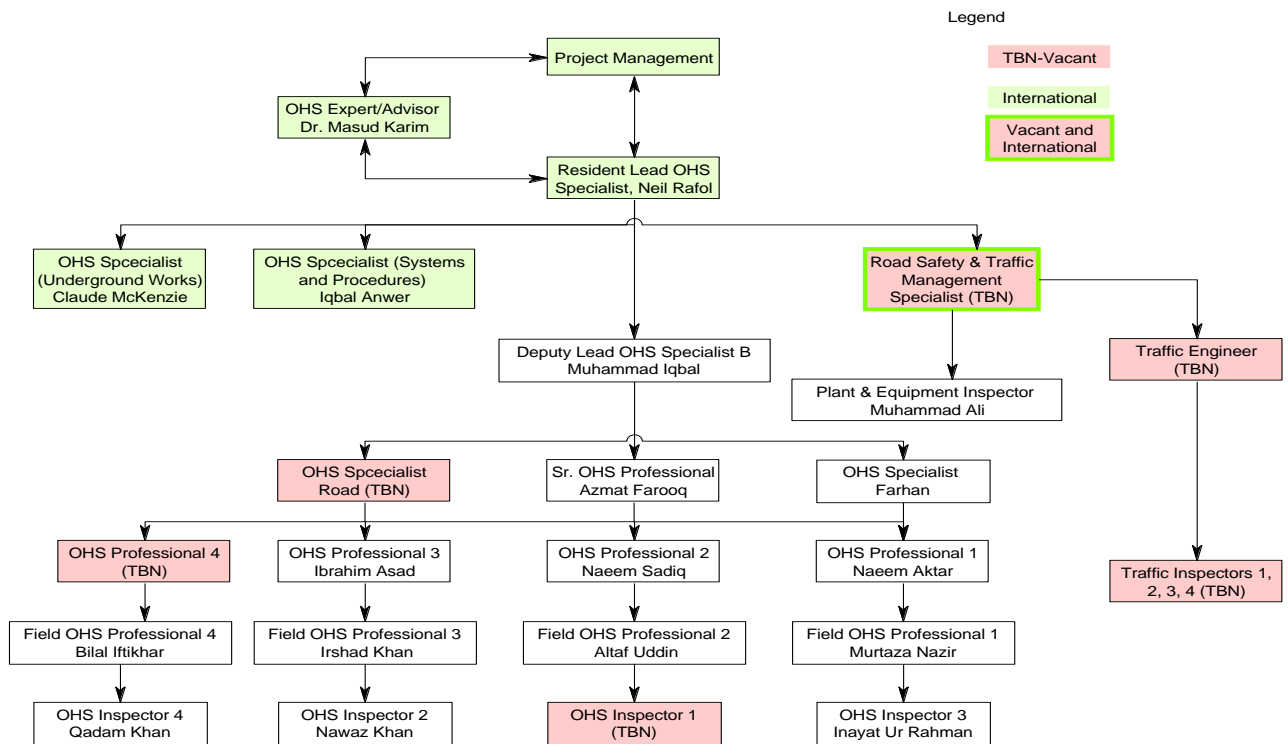


Figure: OHS organization diagram

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 (July 2022). 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 (mainly additional land of KKH-01) remained under process for which revenue records have been prepared, GIS Verification for most of the components completed, and Land Acquisition process is underway.
- 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 4,629 acres of land has been awarded / acquired until July 2022. No new land was acquired during the reporting month (July 2022).
- iv. 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.

- v. Rectified and New Revenue records of 02 components were 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.
- vi. No new component was processed by GIS Team during the reporting month.
- vii. The LA Team also verified cost assessments of two components and submitted to WAPDA for transfer of compensation funds in DC/LAC account;
- viii. The team assisted LAC team in paying compensation money to the PAPs. An amount of Rs. 24,973,772/- was paid as compensation payment to seven PAPs of three components. during the reporting month (July 2022),
- ix. 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 (July 2022). Eleven cheque were paid during July 2022. 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.
- x. During the reporting month, no new Section-4 was prepared and submitted to WAPDA for further process.
- xi. Revenue survey of components under rationalization (Batch-V) has almost been completed. The revenue survey of seven components of new additional land demanded by KKH-01 team in different areas for tunnels and bridges has also been completed. The "Partal"/Verification remained in progress.

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 Barseen and Kass Villages. In this regard, follow up visits were made to Barseen and Kass and meetings held with the AHHs in DHC Office. The relocation of majority of the houses has been completed while the relocation of HHs of Barseen yet not started. Notices were prepared and served to the AHHs of Barseen for the completion of SMR file documents and early relocation of houses.
- ii. The team also remained involved in preparing TRP files and assist WAPDA to pay TRP to the AHHs. By the end of July 2022, a total amount of PKR 76,159,875/- has been paid as TRP to 288 AHHs of 13 components. In addition to HHs, PKR 33,899,220/- 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 July 20022, an amount of Rs. 909.75 Million have been paid as ESMR allowance to 261 Affected Households.
- v. File preparation work remained in progress. The SMR Working Team remained engage in preparing the remaining files of priority villages during the reporting month.
- vi. By the end of reporting month (July 2022), the Working Committee has finalized and forwarded 1290 files to the Field Verification Committee while Field Verification Committee has completed the verification of about 825 files by the end of the reporting month.
- 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 the reporting month regarding the progress of SMR 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 resolving 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 the 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. The case for the purchase of two ambulances for health department Kohistan (upper) has approved by the Authority in its meeting held on November 18, 2021. Total Budget is 20 Million PKR.
- 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. The new Gender Specialists joined DHC office during the first week of April 2022 and started working on the discontinued proposals & tasks. She reviewed the already developed Skill Development Proposal and incorporated some missing features in order to make the project effective and practical,
- iv. 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.
- v. Distribution of already published information material continued among the affected communities in the project area.
- vi. The IGRC team updated the GRC status for the month and carried out meetings for resolving the pending complaints,
- vii. The IMM team organized workforce data received from all contractors and other stakeholders. A total 3,292 workers were recorded working with the contractor and other organizations under DHPP by the end of reporting period.
- viii. The Individual Consultant revised the Baseline Report as per comments of the World Bank and WAPDA. The hard and soft copies of the report was submitted and this short individual consultancy contract has been completed.

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 70 % of MIS Development work has been completed by July 2022. The team remained engaged in upgrading the already developed modules and no new module was developed during the reporting month.

3.4.11 Others

a) Schedule, Monitoring and Costing Section

- i. The Contractor [China Gezhouba Group co., Ltd.], did not provide a response to the Engineer's comments/observations on the updated Schedule R4D11. However, the Contractor has submitted an updated schedule R4D12 for MW-01 works on 27th of July 2022. The schedule is under review by the Engineer.
- ii. The Contractor [China Gezhouba Group co., Ltd.], did not provide a response to the Engineer's comments/observations on the updated Schedule R5D10. However, the Contractor has submitted an updated schedule R5D11 for MW-02 works on 27th of July 2022. The schedule is under review by the Engineer.

- iii. Meetings were held with the Contactor [Zhongmei Engineering Group Limited] regarding the submission of the revised schedule for the 2nd Extension of Time (EoT-2) of resettlement works LBRV-11, LBRV-12).
- iv. Extension of Time (EoT-4) claim of the Contractor [Power China Limited] for 132kv Transmission Line is returned and Contractor was requested to incorporate the Project Manager's observations.
- v. The Engineer is examining the Contract programme of the Contractor [China Gezhouba Group co., Ltd.] for the RAR-02 contract.
- vi. The Contractor [China Gezhouba Group co., Ltd.], has submitted the Contract programme (Baseline Schedule) for KKH-02 works. The Engineer has received additional information for the Contract Programme. The Programme is under review by the Engineer.
- vii. An Integrated schedule of the Dasu Hydropower Project is updated according to the updated programs of MW-01 and MW-02.
- viii. After examining the EM-01 Contractor's updated schedule V4.0, it is observed that the completion date has been extended by 131 days based on the delayed acquisition of the camp area.
- ix. Prepared work plan and cashflow estimate of all contracts of Dasu hydropower project for the FY 2022 and 2023.
- x. The projected budget of all contracts was updated for the actual cost incurred until June 2022 and for the remaining budget until the end of Dasu project.
- xi. Presentations were prepared for the WAPDA Chairman and the WAPDA Project Advisor regarding the review of the progress and the Logistic Requirement Arrangements of the Dasu Hydropower Project.
- xii. Preparation and submission of various periodical reports, presentations, and updates.

b) Laboratory and Quality Assurance Section

- i. **QA/QC-related correspondences:** The correspondences coming from all Dasu Contractors (CGGC, CCECC, CGICOP, KGL, and Power China) 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 held with other parts of DHC regarding Technical Specifications to clarify some design parameters and make a primary platform for QA/QC test methods. The proposed Quality Management Plan for Bridges and Tunnels in the scope of KKH-01 has been reviewed.
- ii. **Approval of the material sources and manufacturers:** The submitted documents and certificates by the Contractors are being reviewed and commented on. In the scope of MW-01&MW-02, sampling from the Natural Pozzolan source has been performed and test plan for source approval has been submitted to the Contractor. Systematic quality monitoring of Fauji cement has been discussed with the Contractor and factory representatives at the Barseen camp with the presence of Employer representatives. In the scope of MW-01 and MW-02, work Bestway Early Strength cement (52.5 Grade) has been conditionally approved as an equivalent cement Type III of ASTM standard and Technical Specifications. Dewan cement Factory has been approved as a Cementous material in the scope of MW-01 and MW-02 work.
- iii. **Smart Quality Control Database (Test Results):** The database is regularly being prepared, including aggregates, cement, admixtures, reinforcement, Concrete, Mortar, Shotcrete, Grout, etc., and is also in progress for all Dasu Projects. Gathering and evaluating data regarding CR2 and CR9 Batching Plants printouts and Daily summaries are regularly being performed. The UCHAR Crushing Plant's daily production active time is also being monitored (MW-01&MW-02).
- 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 continuing, according to the Technical Specifications for all Dasu Projects. In particular, inlet structure and invert concrete of diversion tunnels were still the primary activity in June in the scope of MW-01&MW-02 works. There were few related activities in CGICOP project.

- v. Field Tests:** In the scope of MW-01&MW-02 rock bolt and dowels, regular-based pull-out tests are being performed in June. Also, Tensioning of "Tensioned rock Bolts" with a specific Working load is continuously being performed in the Powerhouse cavern (MW-02). The laboratory trial of the proposed grout mix design with different admixture products for Tendons has been tested at the laboratory. Field Density Test has continuously been performed at the mobilization site of Electro-Mechanical contractor. Aggregates production rates are being performed at the Uchar crushing plant (MW-01&MW-02).
- vi. Iterative Tests:** The frequent quality control and assurance tests, according to each contract Technical Specifications of all Dasu Projects, are routinely being performed. Quality Control Tests on fine and coarse aggregates, cement, fresh and hard concrete, etc., are regularly in progress. Comprehensive sampling from different consigned and existing material has constantly been taken and submitted to the third-party laboratories.
- vii. Follow-up, Review, and Evaluation:** The monitoring and evaluating test results according to technical specifications is in progress for all contractors within the scope of the Dasu project. Petrographic analysis and Alkali-Silica Reactivity 3rd party laboratory test results have been evaluated in the Main works. The Contractor is requested again to take proper remedial action to control the reactivity of possible potential in some parts of excavated rock material. Besides the regular data assessment, evaluating the batching plant's printouts batch by batch is being performed in the scope of the main works. On 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. Based on test results evaluation, because of higher compressive strength achieved for concrete in some classes, the optimization of cement content of the mixes is being started. The Contractor shall increase the number of well experienced laboratory staff to speed up the optimization process of the mix designs.
- viii. 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 continuing at the Site Laboratories or partly at the 3rd party laboratories. The test results have been reviewed and evaluated, and consequently, relevant actions have been taken. In the scope of MW-01&MW-02 works, taken Rock, aggregates (for petrographic analysis), Cement, Rebar, Rock Bolts, Rock Bolts Components, Admixtures, wire mesh, Water stop samples have been regularly delivered to the 3rd party laboratories for petrographic analysis and Alkali-Silica Reactivity Test in end of July. The regular monthly sampling and delivery plan continued in July, the same as in previous months. In the scope of the KKH-01 project, Hydraulic jack for pull out test has been submitted to the verified third-party laboratory. The Contractor is still planning to prepare high-strength concrete mix designs for KKH-01 bridges.
- ix. 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 been notified about performing alkali reactivity tests on blended cement (Cement and natural pozzolan) that have been used in mentioned mix trials as per Technical Specifications. The method statement of RCC Field Trial Placement (FTP) has been sent, and it is under review by the Engineer. The natural pozzolan sampling has been performed, and submitted to the third part laboratory. The Engineer got advice from the Employer regarding reliable third-party laboratories for performance tests of natural pozzolan. The Engineer submitted the required tests of natural pozzolan source investigations as per Technical Specifications. These activities are going to be critical in the Dasu project. The Contractor also requested to empower its laboratory for the final stage for RCC mix design before RCC field trial placement starts. Also, the Contractor is asked to update the integrated interim RCC mix design report.

Based on long term laboratory tests results, the Engineer declared the prefer mix designs for final mix designs cementitious material content. The Contractor proposed different proportion of cementitious material. The Engineer are reviewing the Contractor point of views and the answer will be issued.

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

Technical discussions with main works section and the Contractor regarding Cut off wall of Dasu dam have been implemented. Technical Specifications and international standards have been considered as reliable source for choosing proper mix design of Cut off.

The optimized conventional concrete mix design (A25) field trial tests with 50 mm maximum Size Aggregates in the scope of Main Works has been completed and the approval letter is issued. Mix trials of Tendon Grout with Early strength cement are still being conducted in the area of the MW-02 works (the proper admixture investigation is ongoing). The Self Compacted Concrete (SCC) mix trails are still pending. In KKH-01 works, high-strength concrete for bridge constructions is pending. In the scope of the PKG-01 Road project, for preparation of mix proportioning as per Technical Specifications, the laboratory tests of material (at the site and third-party laboratories) have been started. The approved mix designs of LADP-JMK project is also approved for LADP-SSKD project.

- xi. 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 and etc.

c) Survey Section

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

i. Dasu-RAR-01: Survey Supervision Activities

- **Joint work done survey of excavation at komila bypass at:**

- Km 0+000 to Km 2+375
 - Km 1+898 to Km 2+150
 - Km 2+800 to Km 3+000
 - Km 3+000 to Km 3+997

- **Joint Work done Survey Road Excavation at:**

- Km 0+002 to Km 0+031
 - Km 0+031 to Km 0+062
 - Km 0+062 to Km 0+100

- **Joint Survey for measurement of payment marking at:**

- Km 11+437 to Km 11+687
 - Km 11+687 to Km 11+800
 - Km 11+800 to Km 11+950

ii. RAR 02: Survey Supervision Activities:

- Joint Survey for shallow-hole split blasting of RAR-02 Km 13+160 to Km13+180
- Joint Survey for shallow-hole of access road to RAR-02 Km 31+500 to Km 31+600 right side from KANDIA bridge
- Joint Survey for classification of access road RAR-02 right side KANDIA bridge RD 0+000 to Rd 2+171.415
- Joint Survey for shallow-hole of access road to RAR-02 Km 31+640 to Km 31+650 right side from KANDIA bridge
- Joint Survey for shallow-hole split blasting of RAR-02 Km13+125 to Km13+160
- Joint Survey for shallow-hole split blasting of RAR-02 Km13+230 to Km13+260
- Joint Survey for measurement of excavation quantity at RAR-02 Km 12+666 to Km13+190
- Joint Survey for shallow-hole of access road to RAR-02 RD 0+40.0 to RD 0+50.0 right side from KANDIA bridge
- Joint Survey for shallow-hole of access road to RAR-02 RD 0+20.0 to RD 0+30.0 right side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting of RAR-02 at Km 13+205 to Km 13+225
- Joint Survey for shallow-hole of access road to RAR-02 RD0+550 to rd 0+560 right side from KANDIA bridge
- Joint Survey for shallow-hole of access road to RAR-02 RD 0+120 to RD 0+140

- Joint Survey for shallow-hole of RAR-02 Km13+140 to Km 13+160
- Joint Survey for shallow-hole of access road to RAR-02 RD 0+140 to RD 0+160 lift side
- Joint Survey for classification of access road RAR-02 lift side from KANDIA bridge RD RD 0+000 to RD1+093
- Joint Survey for shallow-hole of access road to RAR-02 RD 0+120 to RD 0+130 lift side from KANDIA bridge
- Joint Survey for classification at to RAR-02 Km 12+666 to Km13+190
- Joint Survey for shallow-hole of access road to RAR-02 RD 0+50.0 to RD 0+60.0 right side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting of RAR-02 at Km 13+250 to Km 13+260
- Joint Survey for boulder blast of access road RAR-02 RD 0+50.0 to RD 0+60.0 right side from KANDIA bridge
- Joint Survey for shallow-hole split blasting of RAR-02 Km 13+134 to Km13+145
- Joint Survey for boulder blast of access road RAR-02 RD 0+590 to RD 0+600 right side from KANDIA bridge

iii. Dasu-KKH-01: Survey Supervision Activities

- **Joint survey for the foundation of breast wall at:**
 - Km 6+125 to Km 6+237
 - Km 8+550 to Km 8+575
 - Km 6+443 to Km 6+500
 - Km 8+675 to Km 8+700
 - Km 19+100 to Km 19+243
- **Joint survey of foundation of Retaining wall at:**
 - Km 0+818 to Km 0+893
 - Km 0+893 to Km 0+950
- **Joint Topographic Surveys at:**
 - Topographic survey outlet portal of LOGRO tunnel-A KKH-01
 - Topographic survey for outlet of K-3 Tunnel at KKH-01
 - Topographic survey for outlet of K-4 Tunnel at KKH-01
 - Topographic survey of protection wall for UCHAR camp
 - Topographic survey for foundation of retaining wall at Km 6+331 to Km 6+362 KKH-01
 - Topographic survey for slope protection at outlet portal at K-4 tunnel KKH-01
 - Topographic survey for inlet portal of LOGRO tunnel A on KKH-01
 - Topographic survey for outlet portal of LOGRO tunnel A on KKH-01
 - Topographic survey of retaining wall before back filling at Km 5+943 to Km 5+993
 - Topographic survey of retaining wall before back filling at Km 24+675 to Km 24+710
 - Topographic survey for foundation of retaining wall at Km 6+331 to Km 6+362 KKH-01
- **Joint survey for the foundation of breast wall at:**
 - Km 6+125 to Km 6+237
 - Km 8+093 to Km 8+131
 - Km 8+450 to Km 8+550
 - Km 8+675 to Km 8+700
- **Joint survey of foundation of Retaining wall at:**
 - Km 5+975 to Km5+993
 - Km 6+975 to Km 7+01
- **Joint Demarcation at:**
 - Demarcation of K-9 tunnel center line KKH-01
 - Demarcation of retaining wall at Km 7+850 to Km 7+887 KKH-01

iv. Dasu-KKH-02: Survey Supervision Activities

- Joint Survey for shallow-hole at cable foundation right side RAR-02 Km20+590 to Km20+600
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+456.25 to RD 0+462.5 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+200 KKH-02

- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+531.25 to RD 0+543.75 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+012.5 to RD 0+018.75 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+390 to RD 0+400 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+575 to RD 0+600 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+050 to RD 0+113 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+106 to RD 0+143 KKH-02
- Joint Survey for classification of geological zone area Km 44+000 to Km 45+900 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 1+193 to RD 1+206 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+106 to RD 0+150 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+462.5 to RD 0+468.75 KKH-02
- Joint Survey for shallow-hole and split blasting of access road No1 at RD 0+487 to RD 0+500 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+006.25 to RD 0+018.75 KKH-02
- Joint Survey for shallow-hole and split blasting of access road No1 at RD 0+250 to RD 0+280 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+275 to RD 0+325 KKH-02
- Joint Survey for classification of geological zone area of KKH-02 Km 32+500 to Km 34+500
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+006.25 to RD 0+056.25 KKH-02
- Joint Survey for shallow-hole and split blasting of access road No1 at RD 0+530 to RD 0+575 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+018 to RD 0+062 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 1+062 to RD 1+075 KKH-02
- Joint topographic survey at RD 37+000 KKH-02 access road RD 0+000 to RD 0+030
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+020 to RD 0+050 KKH-02
- Joint Survey for shallow-hole and split blasting of access road No1 at RD 0+925 to RD 0+939 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+068 to RD 0+100 KKH-02

v. Project Colony Supervision Activities:

- Joint survey of bed level internal sewerage line at category 1 part F
- Joint survey of bed level internal sewerage line at category 1 part G
- Joint survey of bed level internal sewerage line at category 1 part H
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 5 to 10
- Joint layout and excavation of boundary wall at category 1 part A
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 10 to 14
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 14 to 18
- Joint layout and excavation of boundary wall at category 1 part B
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 5 to 10
- Joint layout and excavation of boundary wall at category 1 part C

- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 10 to 14
- Joint layout and excavation of boundary wall at category 1 part D
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 14 to 18
- Joint survey of bed level of boundary wall at category 1 part E
- Joint survey of 2nd floor finishing floor level at project office building Grid D to E & 5 to 10
- Joint survey of 2nd floor finishing floor level at project office building Grid E to H & 5 to 10
- Joint survey of 2nd floor finishing floor level at project office building Grid H to N & 5 to 10
- Joint survey of bed level of boundary wall at category 1 part F
- Joint survey of bed level of boundary wall at category 1 part G
- Joint survey of bed level of boundary wall at category 1 part H
- Joint layout of boundary wall stem columns at category 1 part A
- Joint layout of boundary wall stem columns at category 1 part B
- Joint layout of boundary wall stem columns at category 1 part C
- Joint layout of boundary wall stem columns at category 1 part D
- Joint survey of 2nd floor finishing floor level at project office building Grid H to N & 14 to 18
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D and 1 to 5
- Joint survey of 2nd floor finishing floor level at project office building Grid D to H and 1 to 5
- Joint survey of bed level internal sewerage line at category 1 part A
- Joint survey of 2nd floor finishing floor level at project office building Grid H to N and 1 to 5
- Joint survey of bed level internal sewerage line at category 1 part B
- Joint survey of bed level internal sewerage line at category 1 part C
- Joint survey of bed level internal sewerage line at category 1 part D
- Joint layout and excavation of boundary wall at category 1 part E
- Joint layout and excavation of boundary wall at category 1 part F
- Joint layout and excavation of boundary wall at category 1 part G
- Joint layout and excavation of boundary wall at category 1 part H
- Joint survey of bed level of boundary wall at category 1 part A
- Joint survey of bed level of boundary wall at category 1 part B
- Joint survey of bed level of boundary wall at category 1 part C
- Joint survey of bed level of boundary wall at category 1 part D
- Joint layout of boundary wall stem columns at category 1 part E
- Joint layout of boundary wall stem columns at category 1 part F
- Joint layout of boundary wall stem columns at category 1 part G
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 10 to 14
- Joint layout of boundary wall stem columns at category 1 part H
- Joint survey of 2nd floor finishing floor level at project office building Grid A to D & 14 to 18
- Joint work done survey of colony boundary wall
- Joint survey of 2nd floor finishing floor level at project office building Grid D to H & 10 to 14
- Joint work done survey of colony boundary wall
- Joint survey of 2nd floor finishing floor level at project office building Grid H to N & 10 to 14
- Joint survey of 2nd floor finishing floor level at project office building Grid D to H & 10 to 14

vi. Resettlement Sites Supervision Activities:

- Topographic Survey of solid waste area at Nasir abad
- Topographic Survey for Graveyard at Khushi-01

vii. MW-01 & MW-02

- Joint formwork verification at Diversion Tunnel-B CH: 0+926 to 0+938 before pouring concrete Right side
- Joint topographic survey for current excavation at power intake area
- Topographic survey for current situation at Dam site Diversion Tunnel inlet area
- Joint formwork verification at Diversion Tunnel-A CH: 0+849 to 0+861 before pouring concrete right side 1m
- Joint verification survey for Geological Over break at LBBT CH: 0+454 TO 0+456
- joint as built survey at Diversion Tunnel-B CH: 0+008 to 0+019 and 0+043 to 0+052.5

- Joint shot Crete as built survey at Diversion Tunnel B inlet part 3 and part 4
- Formwork verification at Diversion Tunnel B for 1m concrete CH: 0+741 to 0+753
- Joint shot Crete as built survey at Diversion Tunnel A inlet part 1
- Joint formwork verification at Diversion Tunnel-A CH: 0+573 to 0+561 before pouring concrete right side 1m
- Joint as built survey at Traffic Diversion Tunnel outlet
- Joint formwork verification at Diversion Tunnel B inlet right wall CH: 0+002.3 to -0+033
- Joint formwork verification at Diversion Tunnel B inlet left wall CH: 0+002.3 to -0+033
- Topographic survey at Dam site between DTA and DTB inlet
- Joint survey for calculation of excavation quantity at Power intake area
- Joint survey for invert foundation at diversion Tunnel-A CH: 0+200 to 0+240 before pouring concrete
- joint survey for calculation excavation quantity at Power Intake area
- Joint formwork verification at diversion tunnel-B CH: 0+146 to 0+158 before pouring concrete
- Rock classification survey at Power intake area for geology department
- Joint formwork verification at diversion tunnel-B CH: 0+158 to 0+170 before pouring concrete (1M)
- Joint formwork verification at diversion tunnel-A CH: 0+489 to 0+477 right side before pouring concrete (1M)
- Joint survey for current excavation at Power intake area Elevation 1005.
- Measurement for Cracks at power intake Area for Geology Department
- Joint survey for invert foundation at Diversion tunnel-B CH : 0+052.5 to 0+090 left side
- Joint survey for current excavation at power intake LU-1 road
- Joint verification survey at Diversion tunnel-B CH: 0+290 to 0+300
- Joint formwork verification at DT-B CH: 0+902 to 0+914 before pouring concrete
- Joint survey for invert foundation at DT-A CH: 0+790 to 0+820 before pouring concrete
- Verification of retaining wall foundation formwork at KASS CGGC contractor camp
- Joint formwork verification at DT-B CH: 0+926 to 0+938 left side 1m concrete
- Joint survey for invert foundation at Diversion Tunnel-B CH: 0+090 to 0+130
- Joint verification formwork at Diversion tunnel-B CH: 0+950 to 0+962 left side
- Joint formwork verification at DT-A CH: 0+909 to 0+921 Right side 1m concrete
- Joint shot Crete as built survey at DTB inlet part 2
- Joint formwork verification at DTB Shear zone area part 4 right wall
- Joint verification of over break cross section at Traffic Diversion Tunnel CH: 0+435 to 0+451
- Joint as built survey Traffic Diversion Tunnel outlet portal
- Joint formwork verification at DTA CH: 0+093.5 to 0+105.5 for 1 meter concrete
- Joint formwork verification at DTB inlet left wall CH: 0+002.3 to -0+033
- Joint formwork verification at DTB inlet left wall CH: 0+002.3 to -0+033
- Joint survey for invert lean concrete at DTB CH: 0+210 to 0+250
- Joint formwork verification at DT-A CH: 0+549 to 0+561 before pouring concrete (1M)
- joint survey for calculation excavation quaintly at LU-1 Road
- Joint survey for conformation of face location at Transformer cavern CH: 0+000
- Joint formwork verification at DT-A CH: 0+453 to 0+465 before pouring concrete right side
- Joint formwork verification at DT-A CH: 0+441 to 0+453 before pouring concrete right side
- Joint measurement for convergence at MAT/STA and MAT/STC junctions
- Joint verification survey at Diversion Tunnel-B CH: 0+300 to 0+327
- Observed River water levels at Kass Truss bridge
- Joint formwork verification at Diversion Tunnel-A part#1 CH 0+008 to 0+019 before pouring concrete
- Existing aggregate stocks survey at Uchar crush plant
- Observed River water levels at CR-9 ste3el truss bridge

viii. **LADP**

- Joint Topographic Survey of DC Colony Road
- Joint Topographic Survey of Dong Nullah Road
- Topographic Survey of JALKOT Affectees Road
- Control Points of SEO RAZIKA Road
- Control Points of KHUSHI Access Road

d) **Geology and Geotechnical Section Activities**

i. **Dasu-MW-01**

- **DT-A**
At different Chainages of DT-A invert concrete & inlet portal support work in progress.
- **DT-B**
At different Chainages of DT-B invert concrete & inlet portal support work in progress.
- **Traffic Diversion Tunnel**
Carried out subsurface geological mapping/data collected up to 0+534m.
- **Traffic Diversion Tunnel Outlet portal Mapping**
Carried out geological mapping of Traffic tunnel outlet portal area at an elevation from 859.0m to 857.0m.
- **Surface Geological Mapping**
Right bank of dam site to carried out detail surface geological mapping and marked on topographic map of different type of rock/categorized rock class as per RMR.
- **Additional Drilling investigation**
DID WAPDA drilling crew have shifted drilling rig and other accessories on 21-05-2022 at the site for additional geological investigations of two number boreholes on right bank downstream of coffer dam.
- **Borehole COR-1 (Target depth 50m):**
Drilling works started in Overburden progress is 19.0m, drilled from 0.00 to 19.0m.
Net progress is 19.0m in Overburden.
Drilling activities in progress.

ii. **Dasu-MW-02**

- **In-Situ over Coring Test (GIST):**
Note: Contractor has stopped activities and arranging new sub-contractor for over coring test.
Meeting with CGGC and IVCC representative at DHC regarding over coring test chaired by CRE & Chief Geologist, jointly visited on site to show the over coring location to IVCC representator at GIS tunnel after meeting.
- **Transform Cavern (1-2) Left side Upstream**
Geological mapping & collection of discontinuity data from 0+024.5m to onwards will continue after support works.
- **Transform Cavern (1-3) Right upstream**
Geological mapping & collection of discontinuity data from 0+078m to onwards will continue after support works.
- **Penstock Manifold-01 (PM-01)**
Geological mapping & collection of discontinuity data from 0+009.5m to onwards will continue after support woks.
- **Penstock Manifold-01 Right (PM-01-R)**
Carried out subsurface geological mapping/data collected up to 0+013m.
- **Service Tunnel-B (ST-B)**
Carried out subsurface geological mapping/data collected up to 0+045m.
- **Connection Tunnel-02 (CT-02)**
Carried out subsurface geological mapping/data collected up to 0+069m.
- **Reservoir**
Inspected landslide block in reservoir area from Kaigah to Chilashi along the existing KKH.

iii. KKH-02

- Boulders measurement of access road from K0+912 to K0+944 at section K28+800.
- Classification of geological zones for KKH-02 from K26-680 to K29+307).
- Classification of geological zones for KKH-02 from K32-500 to K34+500).

iv. RAR-02

- Inspected and Rock classification from K12+666 to K13+190.
- Inspected landslide risk area and proposed bridge location in Kandia Valley

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.1 (R1)

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-3 in Progress.
			KKH-02	15-05-20	13-05-22	728	16,265	5.55%	In Progress
	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-4 in Progress.
	I.3	Internal Roads and Bridges	RAR-01 (Komila-Dam, 12km)	24-08-15	16-07-20	1,788	2,714	0.93%	EOT-4 in Progress.
			RAR-02 (Dam - Uttar Gah)	20-05-21	18-05-23	728	6,253	2.13%	In Progress
			RAR-03 (Uttar Gah-Tangir)	01-01-20	29-12-21	728	5,000	1.71%	
	I.4	Project Colony & Infrastructure	PCI-01R	20-05-19	17-05-21	728	4,900	1.67%	EOT-1 is under process.
			PCI-02	-	-	-	2,726	0.93%	
	I.5, 1.7	Dam and Appurtenant Structures(1.5) HSS - Dam (1.7)	MW-01	23-06-17	10-05-26	3,243	115,003	39.25%	EOT-1 granted.
	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 granted.
I.9	Hydro-Mechanical & Electrical Equipment	EM-01	20-05-20	19-06-25	1,856	52,456	17.90%	Effective Date is 1st Feb 2021	

II	II.3	Resettlement Development Cost	LBRV-11	26-12-18	04-12-20	709	1,121	0.38%	EOT-2 in Progress.
			LBRV-12	26-12-18	07-12-20	712	1,017	0.35%	EOT-2 in Progress.
			Dasu-RV	18-06-19	15-12-20	546	655	0.22%	EOT-1 in Progress.
			Other RVs (only 1741.9 MPKR of II.3)	26-12-18	22-12-21	1,092	3,139	1.07%	
			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⁾	34.2	30.8
Actual	14.1	10.8

- 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	83.3	161.2	32.0	-	0.25	100.0	32.3

- 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.
- Development of the Camp and batching plant at K6+400 continued during the month.
- Camp development at Logro-A K9 and installation of Batchng plant started and continued during the month.
- Construction of out tunnel portal of K4 at RD= K4+631 started and continued during the month.

- Construction works for inlet portal of Logro-A started and continued during the month.
- Access Road development for camp construction at K5+100 continued during the month.
- Construction of R/W masonry works at K7+818 continued during the month.
- Backfilling with stone masonry at K24+675 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.	K8+850 to K14+000	Stoppage of excavation at K9+200 due to design change on Logro tunnel option (Koshe to Uchar).	Implementation of Logro Tunnel.	VO-05 approved and Contractor is waiting for mobilization advance but Contractor has started the preparatory works for construction at Inlet area of Logro A and K4 Outlet Areas.
2.	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.	VO-05 approved and Contractor is waiting for mobilization advance.
		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.	VO-05 approved and Contractor is waiting for mobilization advance.
3.	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.	VO-05 approved and Contractor is waiting for mobilization advance.
		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.	VO-05 approved and Contractor is waiting for mobilization advance.

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

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	2.6	10.7	0.7	1.80	0.10	3.5	0.8

- The Contract has been commenced on 20th May 2021.

4.2.3 Major Activities of KKH-02

The major construction activities undertaken during this month were:

- Excavation and blasting work at access roads on K 28 Kaigah and K34 and K 31 Access Road.
- The Contractor has mobilized manpower and Equipment to the Kaigah Contractor's camp. The Contractor will start new access roads at K45.
- Contractor has started excavation of Main KKH-02 alignment at K 28 and K31.

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/-
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	83.3	141.7	97.5	-	0.30	100.0	97.8

- Gantt chart and S-Curves is based on EOT-2 are shown in Figure-10 & 11 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

- Pavement studs fixing in progress and completed from K9 to end point.
- Placing of concrete, rigid pavement at K11+500 area in progress and completed.
- Placing of concrete at hairpin around k11+400 area in progress and completed.
- Preparation, levelling, formwork for parapet walls from K10+800 to K11+343 in progress.
- Excavation work, drilling and blasting work, boulder blasting etc. at start, middle and end portion of Komila bypass in progress.
- Preparation, formwork etc. for breast wall for komila bypass start section in progress.
- Reinforcement and concrete pouring works for RCC B/wall at komila bypass start section in progress.

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.

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	14.6	61.0	1.0	4.89	0.03	60.8	1.1

- The Contract has been commenced on 20th May 2021.

4.4.3 Major Activities of RAR-02

The major construction activities undertaken during this month were:

- Excavation and blasting work continue from K12+940 to K13+260.
- The Contractor has started the foundation work at right side foundation of Larghani cableway transportation system. The concrete works continued for right side foundation.
- The blasting and excavation works are continued at Kandia and Seer Gayal access roads.

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	81.0	148.5	88.4	-	0.30	100.0	88.7

- Gantt chart and S-Curves of Dasu-TL-01 based on EOT-2 are shown in Figure 12 and Figure 13, 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:

- Formwork installation, Scaffolding, Steel fixing of top beam and roof slab concrete of Control house building is in progress at Grid Station.
- Excavation/cutting for access road to Grid Station is in progress.
- Foundation work for switchgear equipments on upper terrace of Grid Station is in Progress.
- Excavation for foundation of T-111A 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	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	Completed	
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	Not started	
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	Completed	
24	T-54	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
25	T-55A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	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	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
28	T-58A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
29	T-60A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
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	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	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks	
67	T-90	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed			
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		
80	T-106	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started		
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			The Landowner of T-113B is demanding high price for foundation work.
84	T-110A	EG-24	Completed	Not started	Not started	Not started	Not started	Not started		
85	T-111A	ED-24	In Progress	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		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		Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)	
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		
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	Not started		

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
106	T-135A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
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	Not started	Not started	
110	T-139A	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Not started	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	Completed	
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	Completed	
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	
131	T-161B	ZM-30 Standard	Completed	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	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
145	T-175A	ZM-60 Standard	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	
157	T-186	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
158	T-188A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
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	Completed	
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	In progress	Not started	
177	T-204M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
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	
182	T-209A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
183	T-210A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
184	T-211A	ZM-30 Standard	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	171	0	1	171	
2	Concrete of tower foundation	168	0	0	168	
3	Backfill of tower foundation	168	0	0	168	
4	Tower Erection	153	0	0	153	
5	Stringing (Spans)	57	0	0	57	
B	Grid Station					
1	Construction of retaining wall at 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	90	87	87	84
Sheikh Band	23	0	23	23	23	23
Jhalkot	20	0	20	20	20	20
Teyal Maidan	28	0	28	28	28	16
Total	179	6	171	168	168	153

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

Table 4.17 Materials on Site

No.	Items	Qty.
1	Tower Bodies (Nos)	26
2	Lynux 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.T109 A, T110B, T113B & T130A			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 the work on T-130A and demanding tree compensation amount. Work have been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)		The Project Manager requested the Employer to resolve the issue in Weekly 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	61.3	57.5	17.9	0.61	0.35	27.3	18.3

- Gantt chart and S-Curves of Dasu-MW-01 shown in Figure 14 and Figure 15

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

- 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-63%
- Building foundation of the prefabricated house- 49%
- Prefabricated house hoisting- 65%
- Pool Construction-100
- Stone Masonry for Retaining Wall-75%
- Installation of precast fence- 22.70%

(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

i) Land Development

- 2# Retaining wall excavation Foundation- 100%
- Stone Masonry for retaining wall- 75%
- Stone masonry for 6# and 7# retaining wall- 100%
- Coarse Crushing Platform Leveling- 100%

ii) Finished Corridor Construction

- Concrete Placing- 58.90%

iii) Medium and fine sand Crushing System

- Cushion Pouring- 100%
- Column Foundation-100%
- Construction of Vertical Crushing System- 30%
- Equipment Installation- 22%
- Batching Plant Foundation Excavation- 93%

(4) Construction of Chillas Pozzolan Milling Plant

- Construction of Chillas Pozzolan milling plant- 98%
- Equipment Installation of Chillas pozzolan milling plant- 70%

(5) Aggregate Storage at CR9 Area

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

(6) 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.

(7) Damage of Temporary Facility caused by Debris Flow on 24th July 2022

- The Contractor's Water Supply Pipeline 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.

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.

ii) Diversion Tunnel Tunnels

➤ **Open Excavation of Inlet Structure**

Diversion Tunnel A

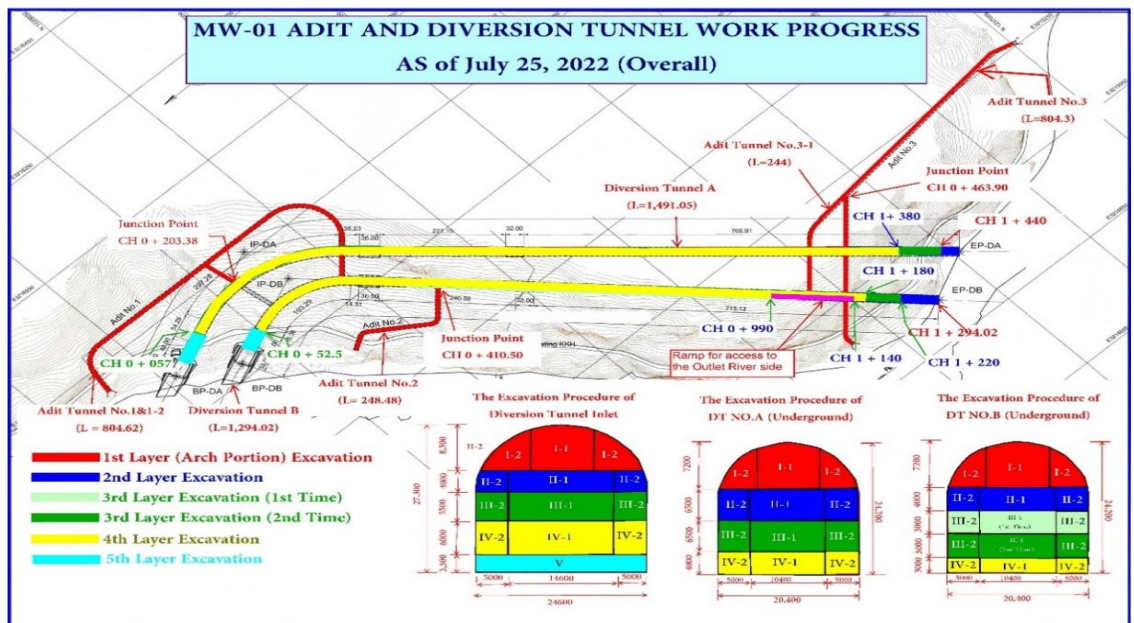
43,620/43,620m³ (100%) open excavation completed at the end of December 2020.

Diversion Tunnel B

41,395/41,395m³ (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 the figure below.



Diversions Tunnel A

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

DIVERSION TUNNEL A (EXCAVATION PROGRESS)			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1 st	1,436	1,436	100
2 nd	1,436	1,436	100
3 rd	1,436	1,385	96
4 th	1,436	1,325	93
5 th	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, 2021. The excavated length is **1,436m/1,436m (100%)**.
- The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~ 1+385(1405m) .The Excavated Length is **1,385m/1,436m (96%)**.
- The fourth bench excavation commenced on October 16, 2020. It is also progressed from Adit Tunnel No.3 progress 0+1325. The excavated length is **1,325m/1,436m (93%)**.
- 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 July is **744,800m³/ 760,000m³ (98%)**.

Diversions Tunnel B

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

DIVERSION TUNNEL B (EXCAVATION PROGRESS)			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1 st	1,242	1,242	100
2 nd	1,242	1,242	100
3 rd (Part-1)	1,242	1,220	98
3 rd (Part-2)	1,242	1,220	98
4 th	1,242	1,105	89
5 th	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 & 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 **1,242m /1,242m (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+220). The excavated length is **1,220m/1,242m (98%)**.
- 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+220). The excavated length is **1,220m/1,242m (98%)**.
- The 4th bench excavation was progressed from Adit Tunnel No.3 Ch. 1+105 (1105m). The excavated length is **1,105m/1,242m (89%)**.
- 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 June is **650,635m³/ 670,000m³ (97%)**.

(2) Concrete Work of Diversion and Adit Tunnels

Diversion Tunnel A

1) Inlet Structure Works (Outside)

- 11,462m³ / 21,515m³ (53%) completed till end of July 2022.

2) Inlet Lining Works (Inside)

- **Concrete Works:** 5,975m³ / 10,873m³ (55%) completed till end of July 2022.

3) Invert Levelling Concrete (C20)

- L/S- 1,183m / 1,502m (79%)

- R/S- 1,013m/1,502m (67%)

4) Invert Structural Concrete (A25)

- L/S- 90m / 1,502m (6%)

- R/S- 702m/1,502m (47%)

5) Outlet Structure Works

- **Concrete Works:** 1926m³ / 1926m³ (100%) completed on June 2nd, 2022.

Diversion Tunnel No. B

1) Inlet Structure Works (Outside)

- 11,214.80m³/ 21,600m³ (52%) completed till end of July, 2022.

2) Inlet Lining Works (Inside)

- 6,102m³ / 10,418m³ (59%) completed till end of July, 2022.

3) Shear Zone Area

- **Concrete Works:** 6,024m³ / 9,045m³ (67%) completed till end of July, 2022.

4) Invert Levelling Concrete (C20)

- L/S- 775.50m / 1,309m (59%)

- R/S- 953m/1,309m (73%)

5) Invert Structural Concrete (A25)

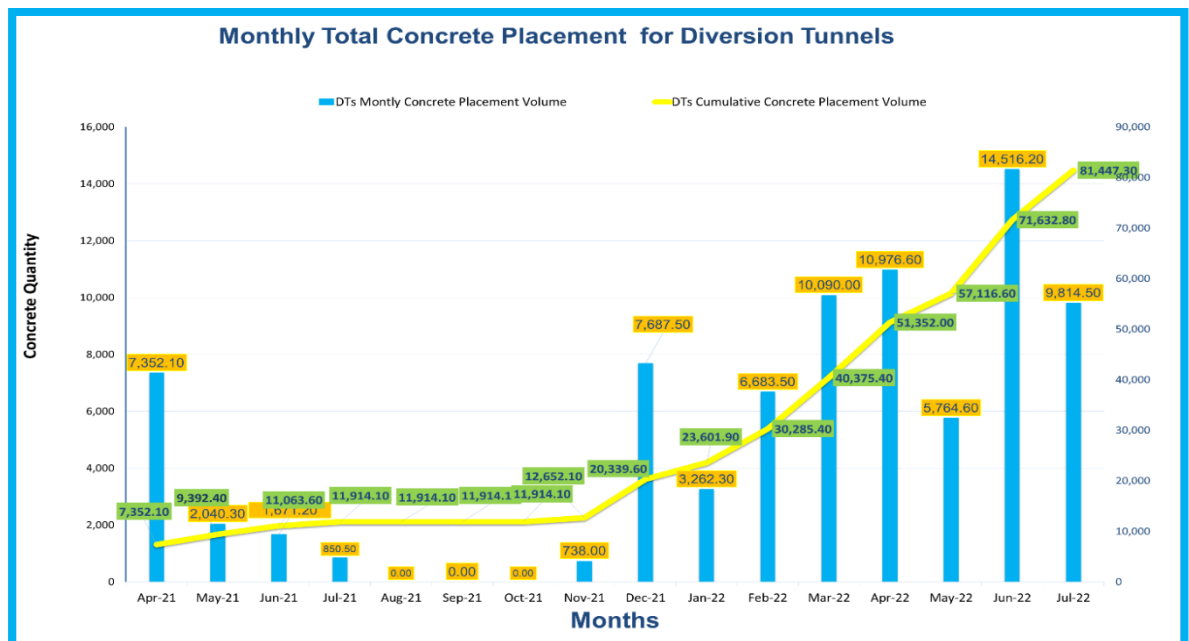
- L/S- 933m / 1,309m (71%)

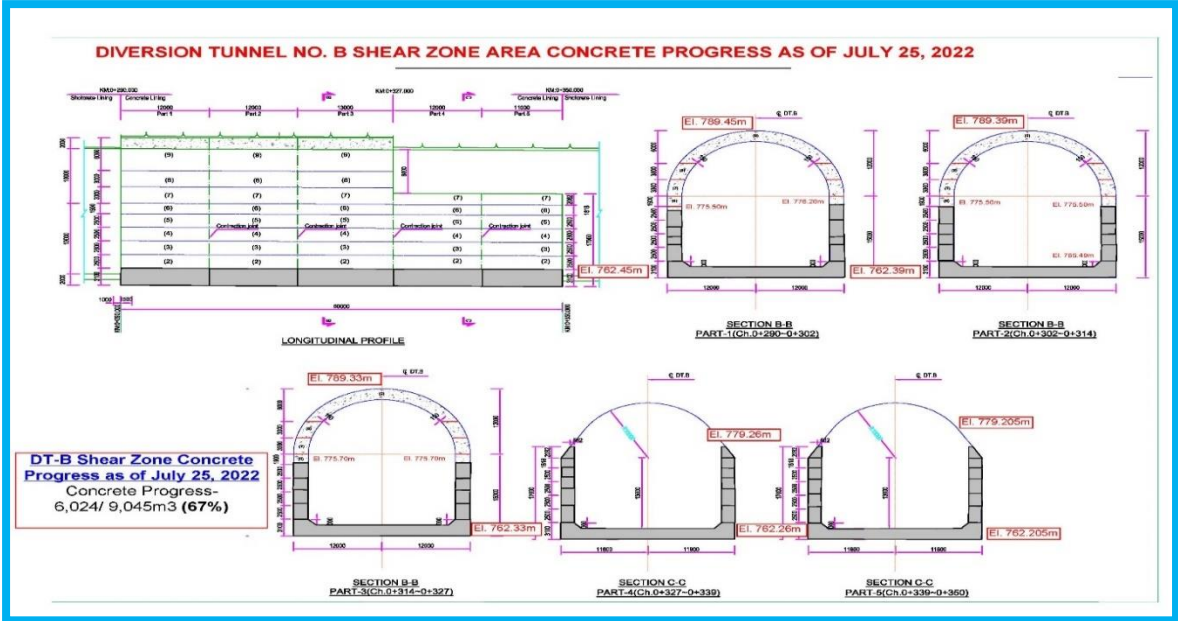
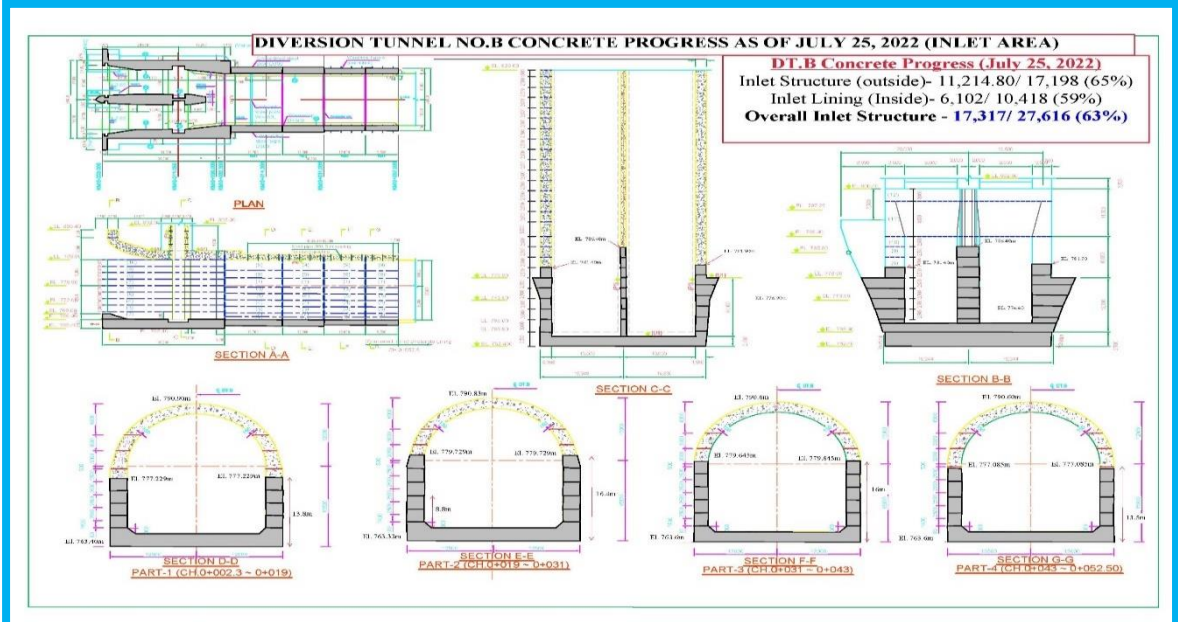
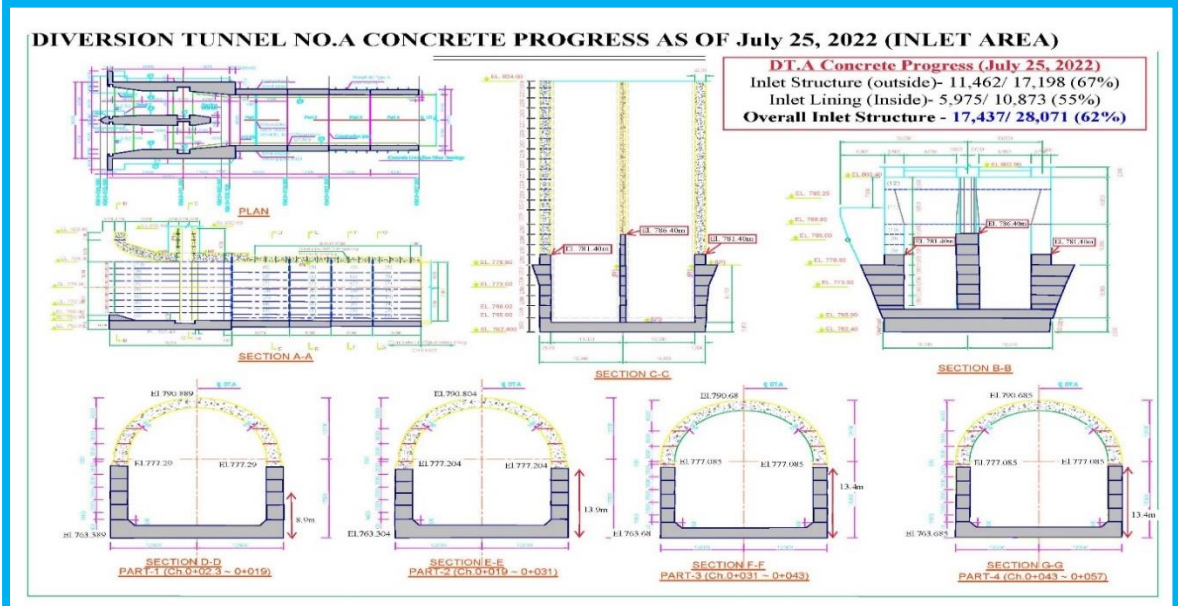
- R/S- 1,013m/1,309m (77%)

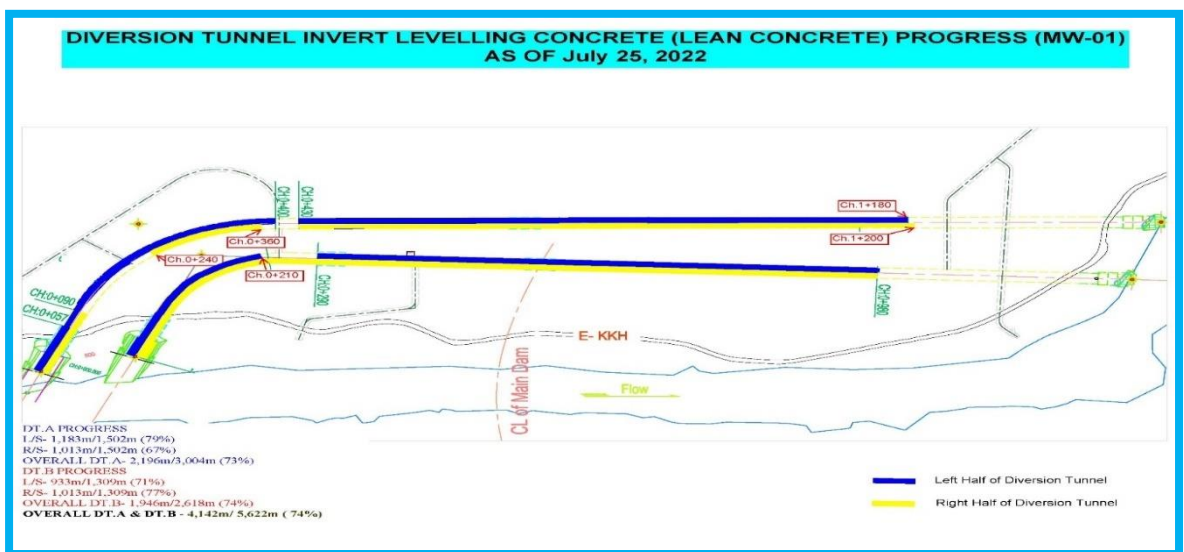
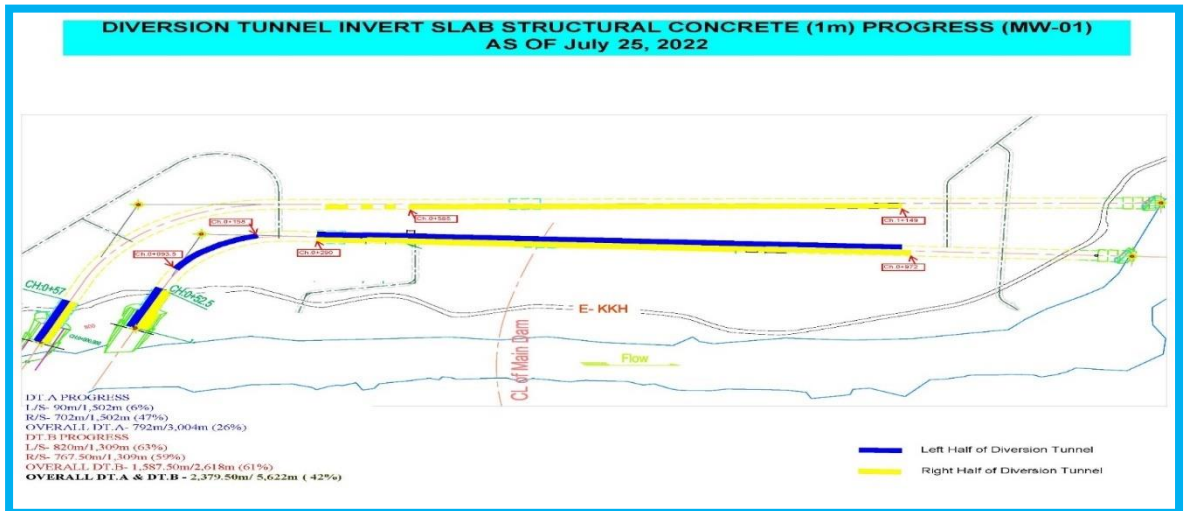
6) Outlet Structure Works

- **Concrete Works:** 1829.20m³/ 1829.20m³ (100%) completed on May 9th, 2022.

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







7) 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.

8) 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

9) Diversion Channel on the right bank

No activity observed during the month of July, 2022.

➤ Temporary facilities (Diversion tunnel Inlet side)

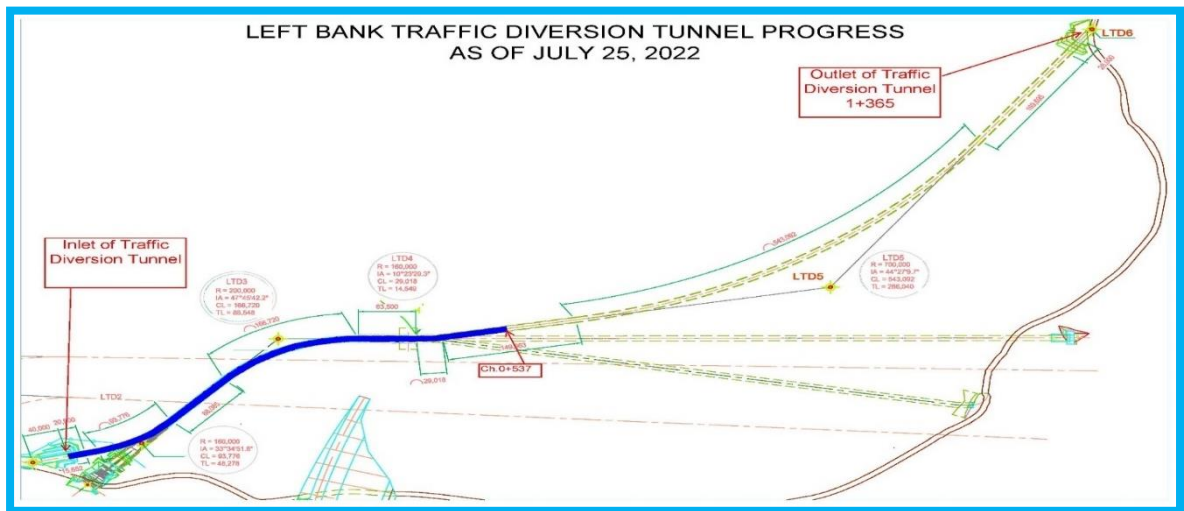
- Gabion protection for CR2 Road river side 100%

➤ 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

- Upstream Surface Excavation – 100%
- Underground Excavation Work- 537m / 1,365m (39%)
- Excavation of the Slope for Outlet- 31.2%
- Support of the slope for outlet- 12.3%



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)

- Temporary Access Road Construction- 51%
- Excavation and support of Right Bank Cable crane Platform- 17%

(2) Left Bank Abutment

- Excavation of the first layer of CR5-2 Road- 100%
- Slope Excavation-100%
- El. 964 Platform Excavation- 20%
- Excavation of the second layer of CR5-2 Road- 21%
- LU1 Road Slope Support- 7.1%
- CR-5 Pool Construction-20%

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.				
2	Uchar Nallah Water Inlet	Installation of water supply pipe until dam site 100% completed on June. Intake structure 100% completed on June.				
3	Barseen camp	Dormitory & canteen housing finished.				
4	Pakistani Camp	Foundation Leveling: 100% Dormitory buildings : 100% , (8 dormitory houses, 1 Mosque and 1 canteen)				

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
5	Uchar Chinese Labor Camp	Construction of Prefabricated house: 100% Concrete Placement: 100% Fencing Wall: 100%				
6	Diversion Tunnel	<p>1-1# Adit tunnel was completed on August 8, 2019.</p> <p>Adit Tunnel 1. Sedimentation pond started operation on October 15, 2019</p> <p>1-2# Adit tunnel work started from 23rd September and completed at 804.6 m on April 18, 2021.</p> <p>2# Adit tunnel underground excavation finished at the end of May. Sedimentation pond operation was started on August 6, 2019.</p> <p>3# Adit tunnel underground excavation completed on 2nd April 2020.</p> <p>3-1# Adit tunnel underground excavation (244m) was completed on December 13, 2020.</p> <p>Adit Tunnel No.3 Sedimentation pond operation was started on August 8, 2019. Retaining wall and backfill was completed during July.</p> <p>Diversion tunnel A Inlet Surface Excavation Excavation: 43,620/43,620m³ (100%) open excavation completed at the end of December 2020.</p> <p>Diversion tunnel B inlet surface excavation Excavation: 41395/41395 m³ (100%) open excavation completed at the end of December, 2020.</p> <p>Inlet dyke Concrete: completed on July 4, 2019.</p> <p>Temporary facilities (Diversion tunnel outlet side) Air supply station 100% Power station 100%</p> <p>Diversion Tunnel Outlet dyke Construction Works Concrete Works: for DT-A 100%</p>	<p>Diversion and Adit Tunnels</p> <p>➤ Diversion Tunnel No. A</p> <ul style="list-style-type: none"> • Inlet Structure Works (Outside) - Concrete Works: 11,462m³ / 21,515m³ (53%) completed till end of July, 2022. • Inlet Lining Works (Inside) - Concrete Works: 5,975m³ / 10,873m³ (55%) completed till end of July, 2022. • Invert Levelling Concrete (C20) - L/S- 1,183m / 1,502m (79%) - R/S- 1,013m/1,502m (67%) • Invert Structural Concrete (A25) • L/S- 90m / 1,502m (6%) • R/S- 702m/1,502m (47%) • Underground Excavation Works - 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, 2021. The excavated length is 1,436m/1,436m (100%). ➤ The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~1+385(1405m) .The Excavated Length is 1,385m/1,436m (96%). ➤ The fourth bench excavation commenced on October 16, 2020. It is also progressed from Adit Tunnel No.3 progress 0+1325. The excavated length is 1,325m/1,436m (93%). ➤ 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 July is 744,800m³/ 760,000m³ (98%). • Outlet Structure Works • Concrete Works: 1926m³ / 1926m³ (100%) completed on June 2nd, 2022. <p>➤ Diversion Tunnel No. B</p> <ul style="list-style-type: none"> • Inlet Structure Works (Outside) - Concrete Works: 11,214.80m³/ 21,600m³ (52%) completed till end of July, 2022. • Inlet Lining Works (Inside) • Concrete Works: 6,102m³ / 10,418m³ (59%) completed till end of July, 2022. • Shear Zone Area • Concrete Works: 6,024m³ / 9,045m³ (67%) completed till end of July, 2022. • Invert Levelling Concrete (C20) - L/S- 775.50m / 1,309m (59%) - R/S- 953m/1,309m (73%) - Invert Structural Concrete (A25) - L/S- 933m / 1,309m (71%) - R/S- 1,013m/1,309m (77%) • Underground Excavation Work - 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 			

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No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		<p>completed on June 11, 2021 for DT-B 100% completed on June 13, 2021</p> <p>Reconstruction of DT Outlet Dyke- A Dyke completed on June 13, 2022</p> <p>Reconstruction of DT-B Dyke completed on June 6, 2022</p>	<p>continued till Ch.0+290 after that rock condition improved and support type changed to Type II-5.</p> <p>➤ The second bench excavation was started on July 01, 2020. It is completed by end of June, 2021. The excavated length is 1,242m /1,242m (100%).</p> <p>➤ 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+220). The excavated length is 1,220m/1,242m (98%).</p> <p>➤ 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+220). The excavated length is 1,220m/1,242m (98%).</p> <p>➤ The 4th bench excavation was progressed from Adit Tunnel No.3 Ch. 1+105 (1105m). The excavated length is 1,105m/1,242m (89%).</p> <p>- The 5th layer for inlet section was started on December 02, 2020 and completed on December 30, 2020.</p> <p>- Overall Excavation progress for DT.B at the end of June is 650,635m³/ 670,000m³ (97%).</p> <p>• Outlet Structure Works</p> <p>- Concrete Works: 1829.20m³/ 1829.20m³ (100%) completed on May 9th, 2022.</p>			
7	Left Bank Traffic Diversion Tunnel	Upstream Surface Excavation for Inlet Portal- 100%	<p>Left Bank Traffic Diversion Tunnel</p> <p>- Underground Excavation Work- 537m / 1,365m (39%)</p> <p>- Excavation of the Slope for Outlet- 31.2%</p> <p>- Support of the slope for outlet- 12.3%</p>	Slow progress observed at U/G and D/S Portal of LBTDT.		The Engineer repeatedly instructed the Contractor to expedite the work in Progress Review meetings.
8	Steel Truss Bridge at Seo	<p>Steel Truss Bridge at Seo</p> <p><u>Right side Abutment construction</u> Foundation Grouting – 100% Concrete placement – 100%</p> <p><u>Left side Abutment construction</u> Concrete placement – 100%</p> <p>Bridge Installation-100%</p>				
9	Left Bank Cable Crane Platform	- Excavation of the first layer of CR5-2 Road- 100% - Slope Excavation- 100%	<p>Access Road to Left Bank Cable Crane Platform</p> <p>El. 964 Platform Excavation- 20%</p> <p>Excavation of the second layer of CR5-2 Road- 21%</p> <p>LU1 Road Slope Support- 7.1%</p> <p>CR-5 Pool Construction-20%</p>			
	Right Bank Cable Crane Platform		<p>Right Bank of DAM (Siglo Area)</p> <p>- Temporary Access Road Construction- 51%</p> <p>- Excavation and support of Right Bank Cable crane Platform- 17%</p>			
	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%	<p>1# Batching Plant and 1# Crushing Plant at Uchar Area</p> <ul style="list-style-type: none"> ▪ Stone Masonry for retaining wall- 75% ▪ Finished Corridor Construction ▪ Concrete Placing- 58.90% ▪ Medium and fine sand Crushing System ▪ Cushion Pouring- 100% ▪ Column Foundation-100% <p>Construction of Vertical Crushing System- 30% Equipment Installation- 22% Batching Plant Foundation Excavation- 93%</p>			
	Diversion Channel on the Right Bank		<p>Diversion Channel on the right bank</p> <p>No activity observed during the month of June, 2022.</p>			
	Uchar Tentative Crushing Plant (River side)	All civil works and installation of machines completed	In operation			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
	Tentative Batching Plant (at Logro)	All civil works and installation of machines completed	In operation			
	Kass	- Pool - Construction-100	KASS Main Camp - Ground leveling for the Contractor's main camp-63% - Building foundation of the prefabricated house- 49% - Prefabricated house hoisting- 65% - Stone Masonry for Retaining Wall-75% - Installation of precast fence- 22.70%			60% KASS Land handed over to the Contractor

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

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	61.3	56.8	7.4	2.48	0.08	37.3	7.4

- Gantt chart and S-Curves of Dasu-MW-02 shown in Figure 16 and Figure 17

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 (July 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).

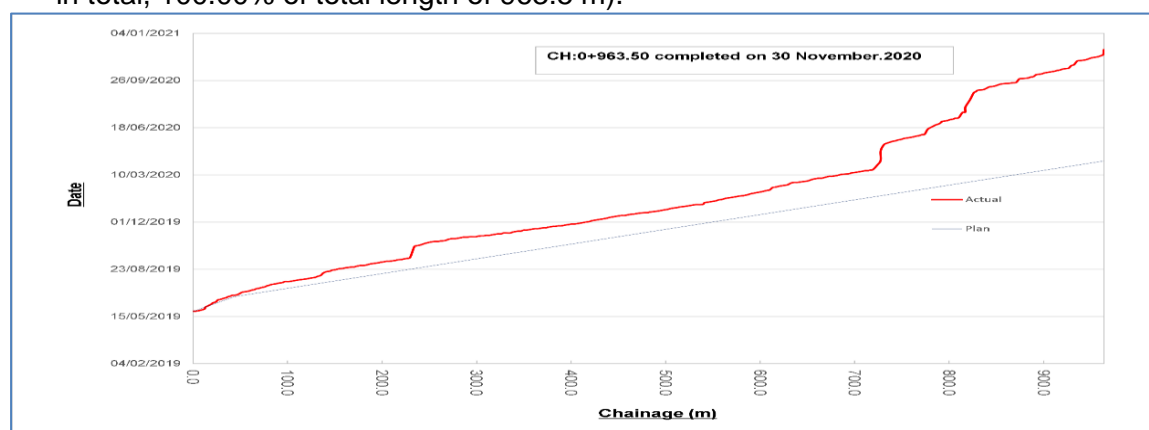


Figure: Work Progress of Main Access Tunnel

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 m³ (62 m³ 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 July 2022: 0.00 m (518.00 m in total, 97.7 % of total length of 530.0 m)
- Crown enlargement and support work was in progress (July 2022)

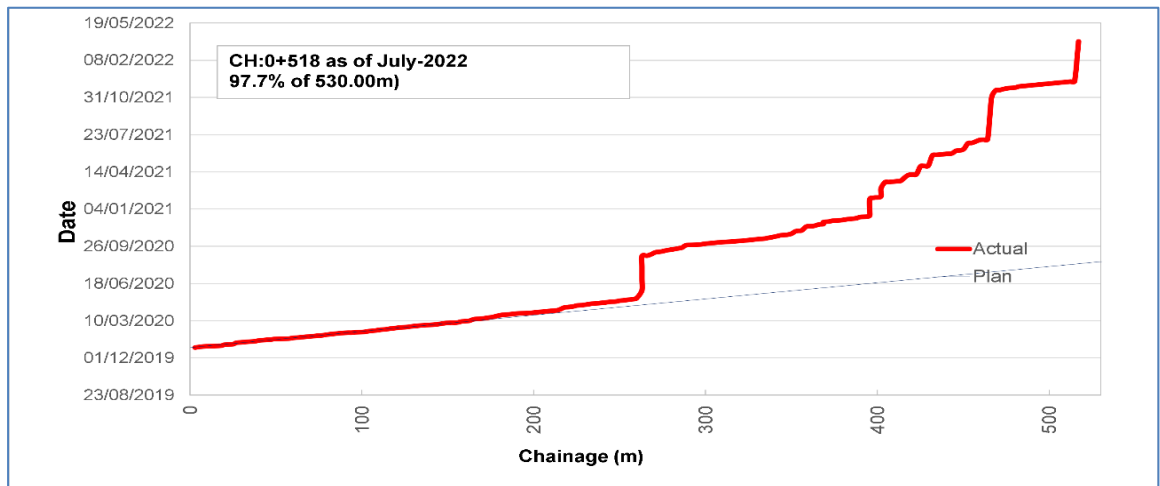


Figure: Work Progress of Surge Chamber Vault Access Tunnel

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 July 2022: 0.00m (567 m in total, 99.5% of total length of 569.73 m)

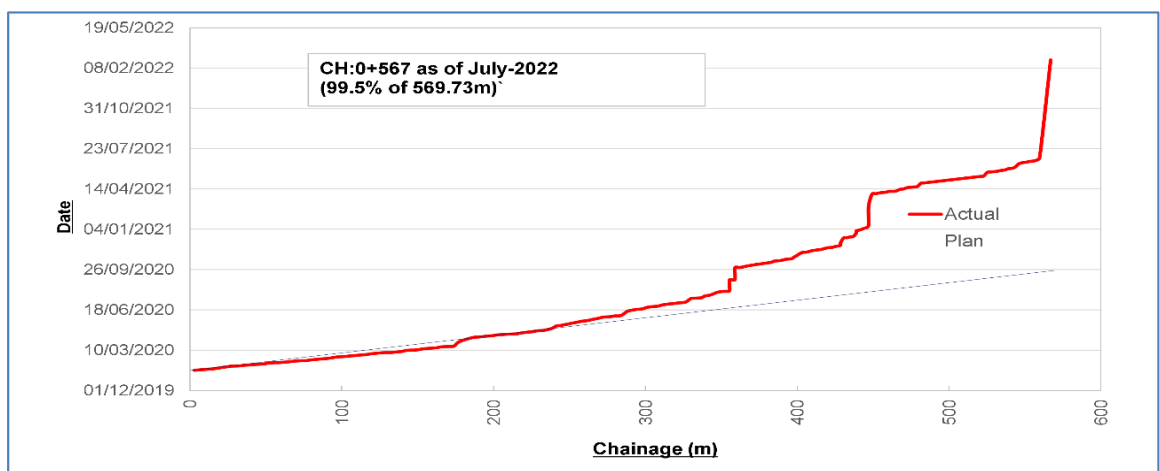


Figure: Work Progress of Service Tunnel A

4.7.3.6 Service Tunnel C

- Tunnel excavation of Service Tunnel C was commenced on 02 February 2020.
- Work progress of Service Tunnel C in July 2021: 0.00 m (406.6300 m in total, 100% of total length of 406.63 m). (Design Excavation was completed in the Month of Jan.2022.)

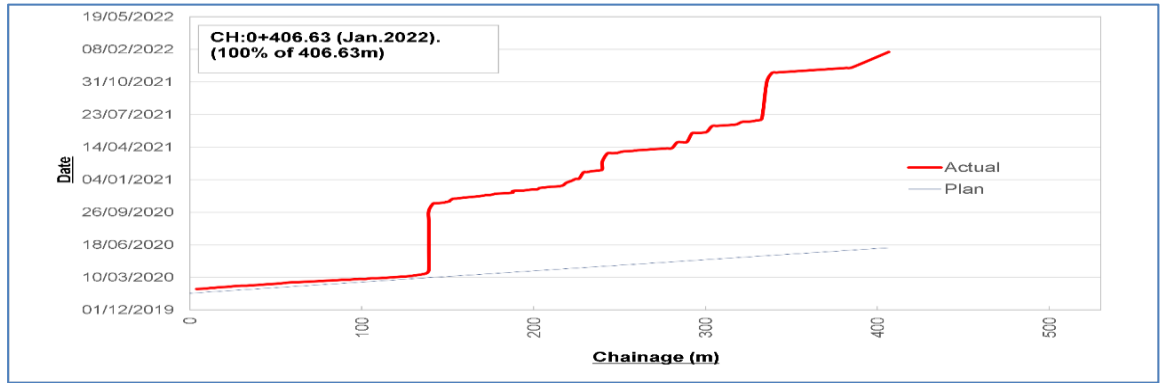


Figure: Work Progress of Service Tunnel C

4.7.3.7 GIS Room Access Tunnel

- The Engineer issued revised construction drawings for the GIS Room Access Tunnel on 24 March 2020.
- GIS Room Access Tunnel was commenced on 01 March 2020.
- Work progress of the GIS Room Access Tunnel in July 2022: 00.0m (113m in total 98.9% of the total length of 114.18 m)

4.7.3.8 Exhaust Tunnel

- Exhaust Tunnel was commenced on 14 March 2020.
- Work progress of the Exhaust Tunnel in March 2020: Completed except for Vertical Shaft (217.26 m in total 100% of the total length of 217.26 m).
- Drilling for the vertical Shaft is in progress from the drain Tunnel (Existing Shaft tunnel)

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 (Right Wall) Tunnel of total length 242m). (I-3 Enlargement was completed on the 24th of March 2022)
- Total Excavation Volume of July. 2022 is 35993.33 of Total Powerhouse Cavern Excavation Volume of 378,570.46 m³ which is the progress of **9.5%** in total.
- Support Work is in progress for the overall Crown Pilot Portion.
- Trail Test for PS Tendon Tensioning was in progress (July 2022)

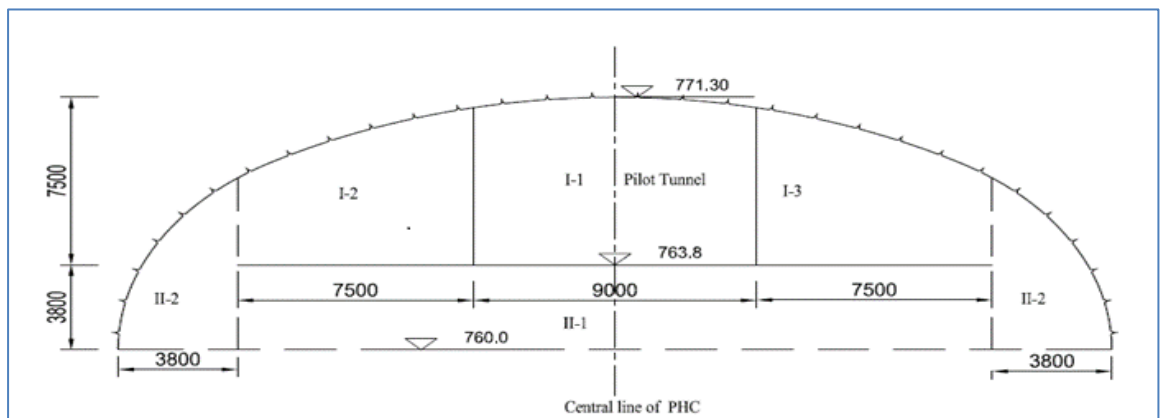


Figure: Section of Powerhouse Cavern Bench 1

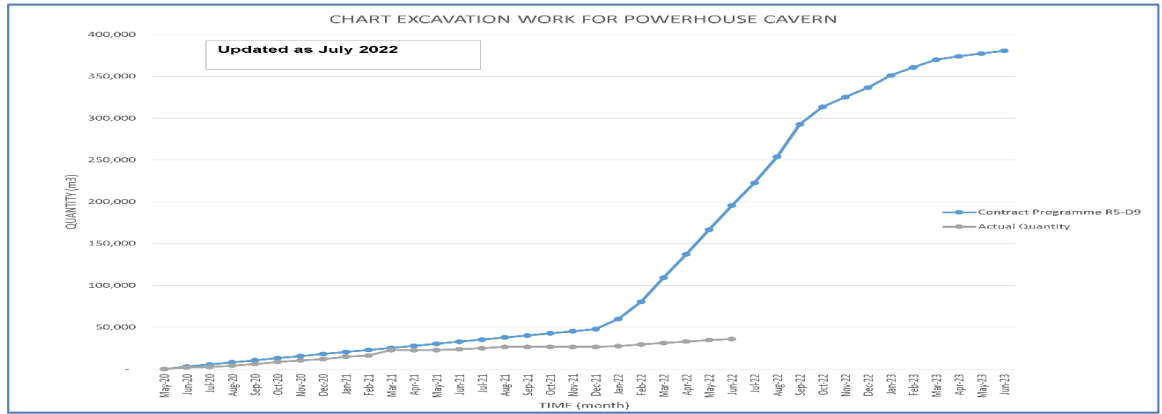


Figure Work Progress of Pilot tunnel Excavation of Powerhouse Cavern Bench 1

4.7.3.10 Underground Transformer Cavern

- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) was commenced on 04 June 2020.
- Updated rock support drawings were issued on 02 June 2020.
- (241.5 m of I-1 Pilot Tunnel of the total length of 242 m). (Excavation was Completed I-1 in the Month of December 2021)
- I-2 Enlargement was completed 12th of June 2022.
- Work progress of the Tunnel in July 2022: 80 m. I-3 Enlargement was complete on 22nd July 2022.
- Total Excavation Volume of July, 2022 is 26,436.698 of Total Transformer Cavern Excavation Volume of 234,829.30 m³ which is the progress of **11.2%** in total.
- Trail Test for PS Tendon Tensioning was in progress (July 2022)

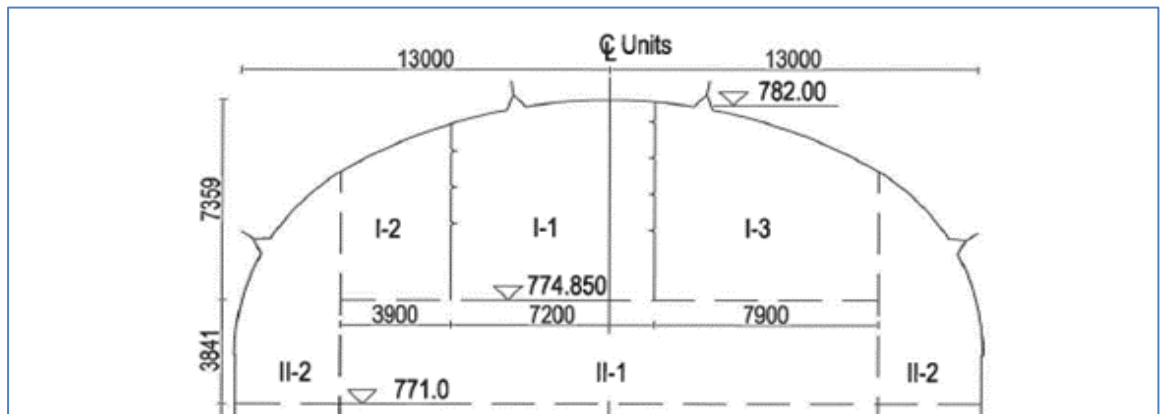


Figure: Section of Transformer/GIS Cavern Excavation Bench Diagram

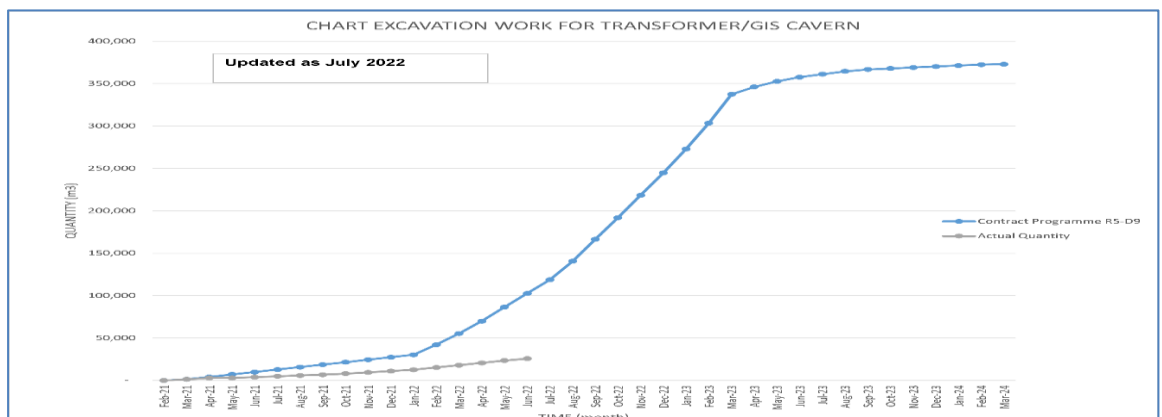


Figure: Work Progress of Transformer/GIS Cavern Excavation Bench Diagram

4.7.3.11 Drain Tunnel

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

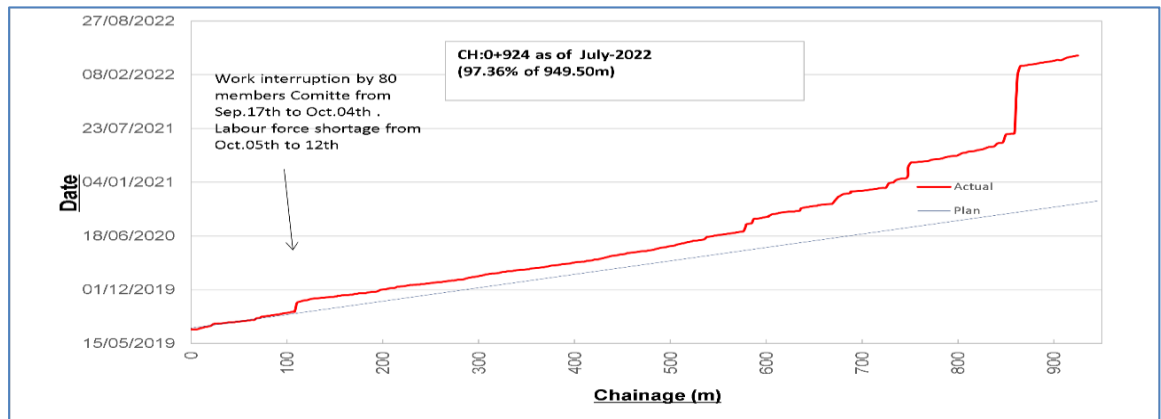


Figure: Work progress of Drain Tunnel

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 March 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.
- Work progress of the Penstock Adit Tunnel No.01 in May 2022: 2.55m (53 m in total, 95.4% of total length of 55.55 m).
- Lowerpressure#1 Tunnel excavation was Started 08/05/2022.
- Lower pressure#1 invert leveling/Cleaning was in progress (July 2022)

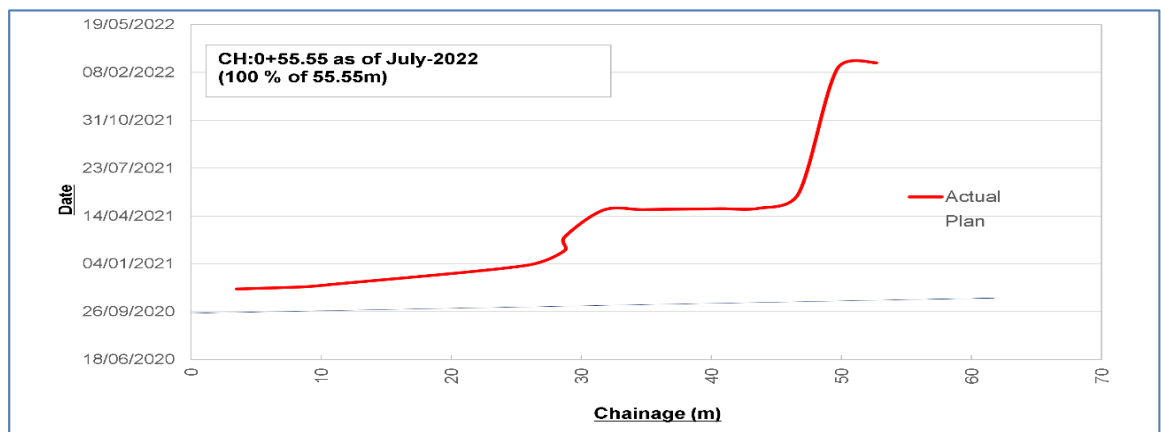


Figure: Work Progress of Penstock Adit Tunnel No.01

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).
- The Excavation was stopped due Rockfall only support recovery was in progress (stage 1)

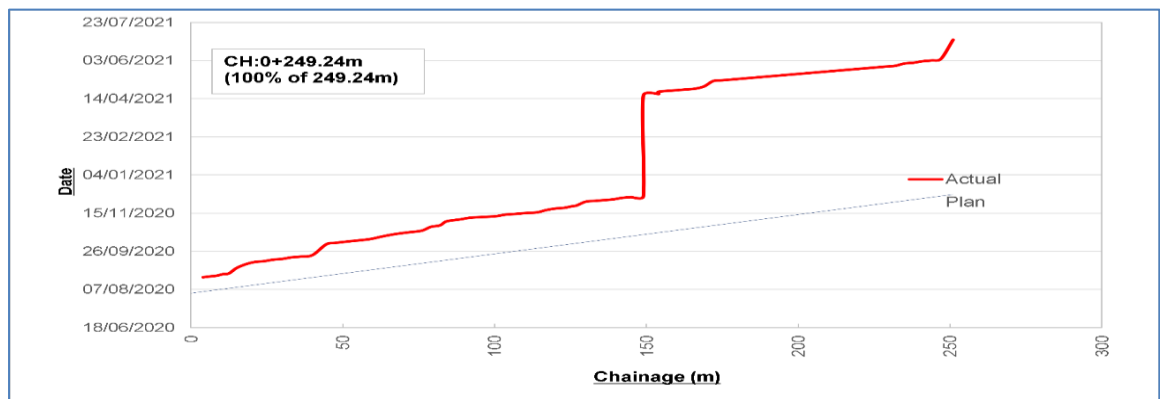


Figure: Work Progress of Penstock Adit Tunnel No.02

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 the 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).

4.7.3.18 Switchyard

- The Engineer issued a day work order to install a fence along the local residential area with 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.
- Topographic Survey for the Initial Excavation is in progress.
- 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 14th April 2022. (InProgress)
- Excavation of 1st, 2nd and 5 layer/Bench was in progress (May 2022)
- Excavation of 5th layer EI.975 to EI.973 Drilling for blast was in progress, Excavation from EI.930 to 920m was in progress (July 2022)
- Meeting was held regarding Boundary line of Switchyard and KKH Batching Plant

4.7.3.19 Daywork Order in the month of July 2022.

- Removing of Dump Material from Switchyard area was suspended due to Boundary line issue with CCECC and CGGC (The Contractors).

4.7.3.20 Event Relevant to the Progress:

- Fatality at MW-02 CT-2 Tailrace Tunnel

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 August 2019.
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.
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 CCECC'S plant with the CGGC's new plant.

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No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
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 resolved on 16 December 2019	The Labour camp area has been handed over on 15 March 2019. Demolishing houses have been completed on 20 March 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 March 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 in June 2021
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.

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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 2 nd and 5 th Layer was in progress. 20) Excavation of 1 st Layer was in progress El.920 (June 2022) 21) Excavation of 5 th layer El.975 to El.973 Drilling for blast was in progress, Excavation from El.930 to 920m was in progress (July 2022)
12	Intake (Logro area above KKH) 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 28 th 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.)
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 July 2022 MW-02						
Workforce			Equipment			Remarks
Type	Location	Qty	Type	Power/Capacity	Qty	
Tech. Staff	MAT 0+370	0	Water Pump	75Kw	1	One Operator Visiting Different Faces
Electrician		1				
Skilled		1				
Tech.Staff	MAT 0+510	0				
Tech.Staff		0	Water Pump	7.5kw	1	
Electrician		0				
Skilled		1				
Tech.Staff	STA To PA & STA 0+300	0				
Tech.Staff		0	Water Pump	7.5Kw	1	
Electrician		0		75Kw	2	
Skilled		1				
Tech.Staff	PH	0				
Tech.Staff		0	Water Pump	45Kw	2	
Electrician		0				
Skilled		1				
Tech.Staff	ADFT	0				
Tech.Staff		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	43.2	185.3	37.3	-	0.30	100.0	37.6

- Gantt chart and S-Curves of Dasu-LBRV-11 shown in Figure 18 and Figure 19

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

- Laying of water supply pipes is in progress.

➤ Khoshe Site-02

- Excavation for bed of water tank is in progress.

(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 road completed .sewerage work completed.	Laying of water supply pipes is in progress		Water supply remaining	
2	Khoshe-2	Link-01, Land Development and stone masonry safety wall, RCC sewerage line is completed			Nil	
3	Uchar 01	Site is handed over to local people except Mosque on 05 th November, 2020	Excavation for bed of water tank is in progress.		Nil	

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
		Mosque grey structure and boundary wall, Sewerage line & soakage pit completed				

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	43.2	192.7	22.8	-	0.25	100.0	23.0

- Gantt chart and S-Curves of Dasu-LBRV-12 shown in Figure 20 and Figure 21

4.9.3 Major Activities of LBRV-12

The major construction activities undertaken during this month were:

(1) At Nasirabad- Site-1

- Site clearing is in progress.
- Minor remaining work is in progress.

(2) At Nasirabad- Site-2

- Slope protection work is in progress.
- Plastering of septic tank is in progress.
- Site clearing is in progress.

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.	<ul style="list-style-type: none"> • Site clearing is in progress. • Minor remaining work is in progress. 			
2	Nasirabad-2	Plots development and road completed. Stone masonry retaining wall completed. Septic tank completed .anaerobic tank completed of road completed .mosque completed except window glasses .sewerage work completed. water supply pipes lying completed. Water supply pipes lying completed.	<ul style="list-style-type: none"> • Slope protection work is in progress. • Plastering of septic tank is in progress. • Site clearing is in progress. 			

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
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	38.4	92.8	58.4	5.00	7.83	85.0	66.3

- Gantt chart and S-Curves of Dasu-PCI-01 R shown in Figure 22 and Figure 23

4.10.3 Major Activities of PCI-01R

The major construction activities undertaken during this month were:

- Marble grinding and polishing work at project office is in progress.
- Internal electrification at project office is in progress.
- Painting is in progress at project office.
- Cleaning and clearing of project office in progress.
- Marble minor repairing at project office in progress.
- Curtain wall aluminum work at project office in progress.
- Plinth protection work is in progress at project office.
- Internal networking is in progress at project office.
- Electrical pole fixing within the colony is in progress.
- Excavation for water supply pipes within colony is in progress.
- Plaster work is in progress at cat 2D.
- Painting at cat 2 is in progress.
- Boundary wall construction of Cat1 units is in progress
- Painting at cat 1 is in progress.
- Marble grinding and polishing is in progress at cat 1.
- Khaprail tile fixing at sloping roof of cat 1 is in progress.
- Roof treatment of cat 1 is in progress.
- Safety and stair railing painting is in progress at cat 1.
- Ward robe work at cat 1 is in progress.
- Ceramic tile fixing is in progress at cat 1.
- PCC tile fixing for car porch area of cat 1 is in progress.
- Main sewerage work is in progress.
- External boundary wall construction of colony 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	PROJECT OFFICE Frame structure & block masonry at G.F, 1st floor, 2nd floor and mummy floor is completed. Plaster work completed. Marble, ceramic and porcelain tile work	<ul style="list-style-type: none"> • Marble grinding and polishing work at project office is in progress. • Internal electrification at project office is in progress. 			

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
	Choochang	completed .Aluminum work and glass fixing for windows completed. False ceiling completed. Internal painting completed .dome fixing completed .fan installation completed. RESIDENCE CAT-1 frame structure completed .block masonry work completed. Plaster work completed .marble fixing completed. Completed. porcelain tile fixing completed upto 95%. Ceramics tile fixing completed upto 90%.stair marble completed 100%. RESIDENCE CAT-2: Frame structure work completed. RESIDENCE CAT 2. Block masonry completed and plaster work completed. Residence Cat-2A: Frame structure work completed. Residence cat 2A: block masonry work and plaster work completed. Completed. Residence Cat-2B: frame structure and block masonry work completed .plaster work upto 98 % completed. Residence Cat-2C: frame structure and block masonry completed. Residence Cat-2D: Farm structure and block masonry completed. Cat-3A: frame structure completed. Cat-3B: frame structure completed except part 1, 2 f/f. 3C: ground floor slabs completed. Cat-3D: Footing, g/f columns & RCC retaining walls completed Cat-4A: frame structure completed. 4B: frame structure completed. Stone masonry & RCC retaining walls completed. Cat-4C: frame structure completed except f/f slab part 1, 2 and 3. P1 Road-RCC retaining Wall concrete, backfilling and stone masonry parapet wall is completed. Community Center block masonry under plinth completed.	<ul style="list-style-type: none"> Painting is in progress at project office. Cleaning and clearing of project office in progress. Marble minor repairing at project office in progress. Curtain wall aluminum work iat project office in progress. Plinth protection work is in progress at project office. Internal networking is in progress at project office. Electrical pole fixing within the colony is in progress. Excavation for water supply pipes within colony is in progress. Plaster work is in progress at cat 2D. Painting at cat 2 is in progress. Boundary wall construction of Cat1 units is in progress Painting at cat 1 is in progress. Marble grinding and polishing is in progress at cat 1. Khaprail tile fixing at sloping roof of cat 1 is in progress. Roof treatment of cat 1 is in progress. Safety and stair railing painting is in progress at cat 1. Ward robe work at cat 1 is in progress. Ceramic tile fixing is in progress at cat 1. Pcc tile fixing for car porch area of cat 1 is in progress. Main sewerage work is in progress. External boundary wall construction of colony 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 (%)	Schedule d (%)	Actual (%)
ICB No. DASU-RV	37.5	208.8	38.6	-	0.44	100.0	39.0

- Gantt chart and S-Curves of Dasu-RV shown in Figure 24 and Figure 25

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

- Stone masonry retaining wall is in progress.
- Water supply pipe line is in progress.
- Slope excavation is in progress.

(3) Kuz Choochang Site Upper & Lower Portions

- Retaining wall work 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 5 th 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.	<ul style="list-style-type: none"> •Stone masonry retaining wall is in progress. •Water supply pipe line is in progress. •Slope excavation is 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	Retaining wall construction 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	26.4	43.3	3.9	0.32	0.30	6.4	4.2

- Gantt chart and S-Curves of Dasu-EM-01 shown in Figure 26 and Figure 27

4.12.3 Major Activities of EM-01 (Civil Works)

Preparatory Works

- Land was handed over on 9th of April 2022.
- Excavation/Cutting of Terrace #11 was in progress (July 2022).
- FDT tests was conducted in the Month of July 2022.
- Backfilling / filling of Terrace # 8 was in progress.
- Excavation and Leveling of Terrace #12 was in progress.
- Levelling & Compaction of Terrace #08 was in Progress.
- Access Road to Camp Area: Surface Excavation Completed.
- Excavation and leveling of Terrace #7&6, was in progress.



4.12.4 Equipment Detail

List of Machinery/ Equipment				
S/No.	Description	Type	Quantity	Remarks
1	Excavator Volvo	Tyre	01	
2	Excavator Hitachi	Chain	01	
3	Excavator Hyundai	Chain	01	
4	Dozer	Chain	01	
5	Roller	Tyre	01	
6	Tractor	Tyre	02	
7	Dumper		02	

8	Water Bowser	Tyre	02	
9	Concrete Mixer	Automated	01	
10	Pick up	Suzuki	01	
11	Car	Corolla	01	
12	Total Station	Nikon	01	

4.12.5 Manpower

B	Manpower			
S/No.	Description	Type	Quantity	Remarks
1	Site Manager		01	
2	Civil Engineer		01	
3	Site Supervisor		01	
4	Surveyor		01	
5	Survey Assistant		01	
6	Excavator Operator		04	
7	Excavator Operator Helper		04	
8	Roller Operator		01	
9	Dozer Operator		01	
10	Driver		04	
11	Skilled Labor		05	
12	Unskilled Labor		05	

4.12.6 Graphs

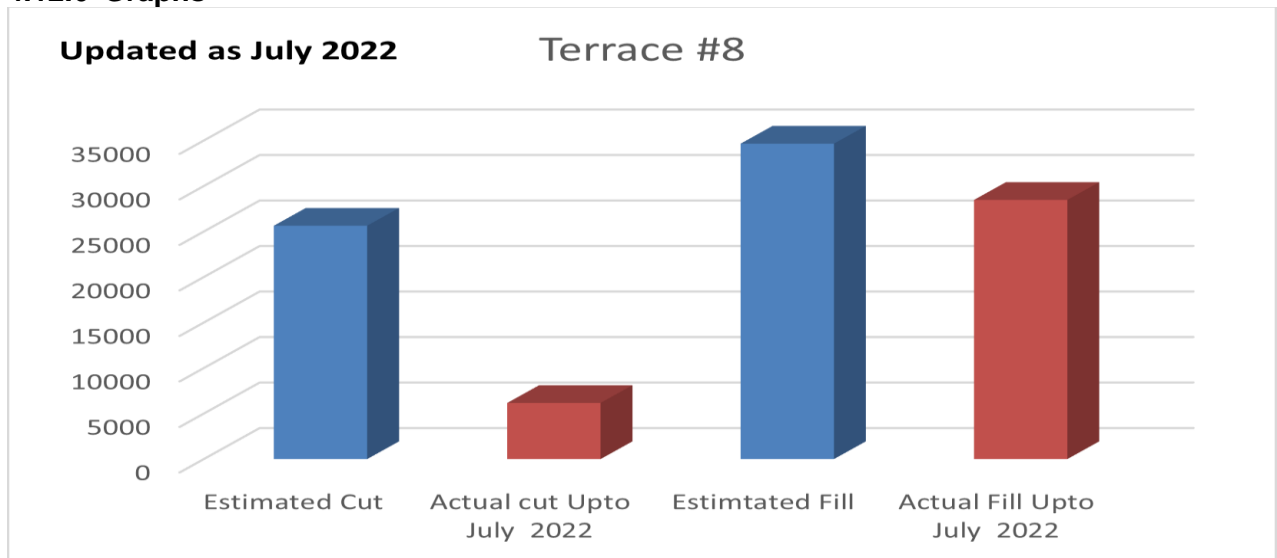


Figure: Terrace # 8

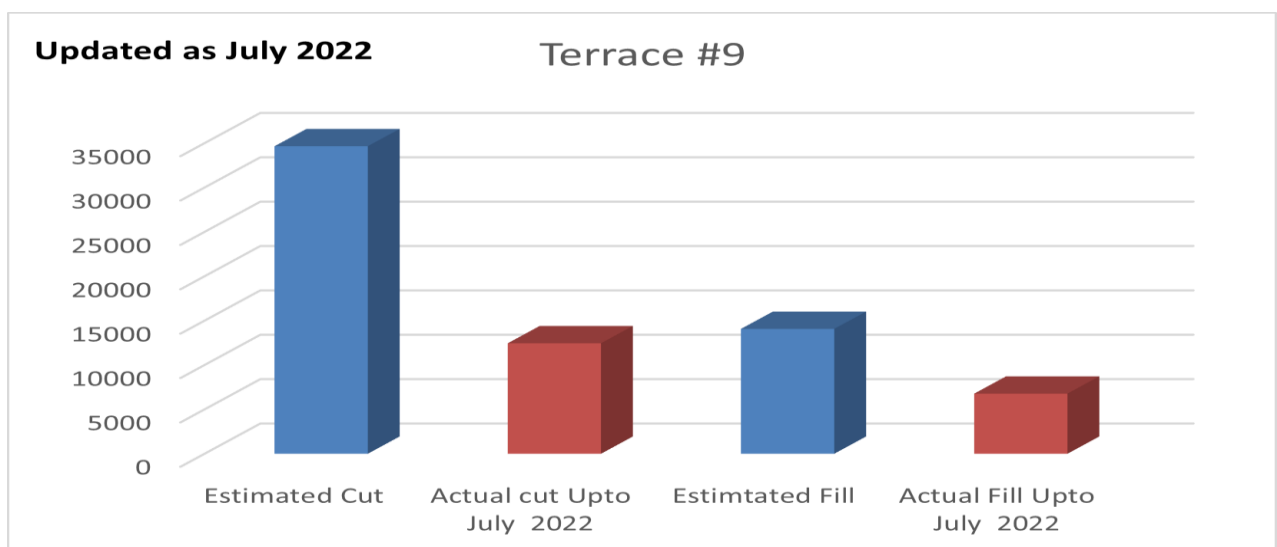


Figure: Terrace # 9

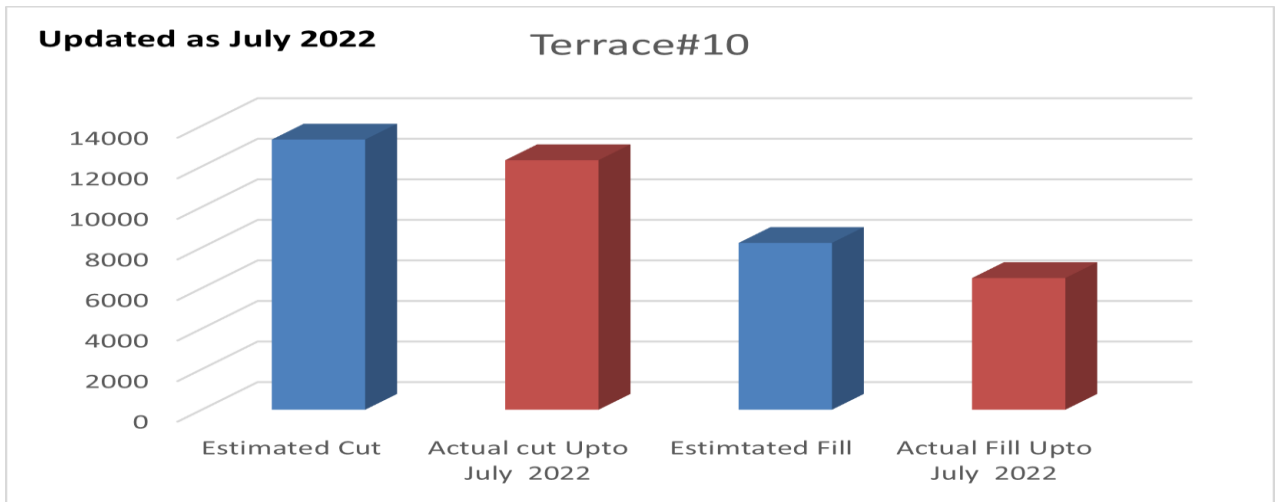


Figure: Terrace # 10

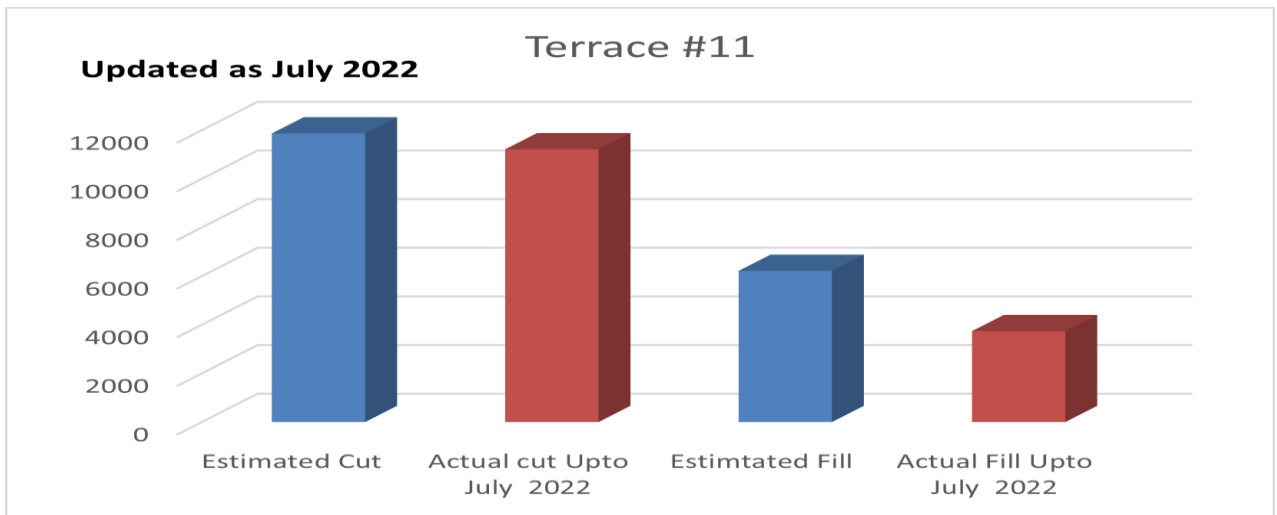


Figure: Terrace # 11

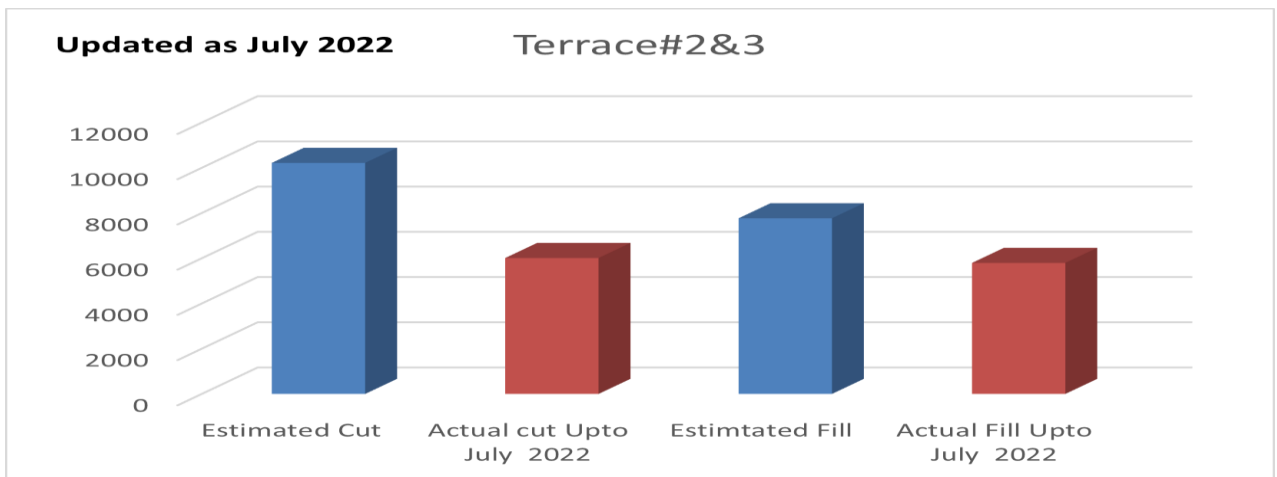


Figure: Terrace # 2/3

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	8,628,983.9	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									
2	001	Aug-14	06.03.2015	8,405,708	150.0	16,562,851	10.04.2015	284,715,484	777,494.8	167,799,158	0
3	002	Sep-14	06.03.2015	11,922,037	150.0	18,508,898		0	0.0	0	0
4	003	Oct-14	06.03.2015	22,629,091	150.0	18,580,716		0	0.0	0	0
5	004	Nov-14	16.03.2015	27,598,424	29,849.0	27,713,464		0	0.0	0	0
6	005	Dec-14	18.03.2015	25,234,974	28,994.0	20,594,485		0	0.0	0	0
7	006	Jan-15	24.03.2015	12,711,871	16,375.0	29,801,646		0	0.0	0	0
8	007	Feb-15	30.03.2015	12,841,559	32,919.0	19,037,857		0	0.0	0	0
9	008	Mar-15	19.06.2015	21,055,679	44,401.0	29,446,228		0	0.0	0	0
10	009	Apr-15	19.06.2015	26,370,102	22,116.0	25,287,607		0	0.0	0	0
11	010	May-15	19.06.2015	19,567,111	45,421.0	28,157,418		0	0.0	0	0
12	011	Jun-15	27.07.2015	18,599,162	57,684.0	29,568,830		0	0.0	0	0
13	012	Jul-15	20.08.2015	11,939,864	39,018.0	28,833,478		0	0.0	0	0
14	013	Aug-15	23.09.2015	11,447,313	66,020.0	34,179,554		0	0.0	0	0
15	014	Sep-15	20.10.2015	15,648,775	61,828.0	29,842,901		0	0.0	0	0
16	015	Oct-15	23.11.2015	18,420,095	57,606.8	53,248,321	29.02.2016	0	0.0	5,751,295	0
17	016	Nov-15	21.12.2015	23,367,864	53,588.9	29,564,237	03.02.2016	0	0.0	9,211,398	0
18	017	Dec-15	25.01.2016	18,530,461	43,902.0	29,012,517	29.02.2016	0	0.0	9,475,900	0
19	018	Jan-16	26.02.2016	23,422,910	59,880.0	46,873,375	28.03.2016	0	0.0	13,388,161	0
20	018-R**	From Aug 2014 to Dec 2015	24.03.2016	0	0.0	40,964,475	12.04.2016	0	0.0	15,759,401	0
21	019	Feb-16	31.03.2016	20,078,687	48,599.0	28,361,112	18.05.2016	0	0.0	10,076,078	0
22	019-R***	From Aug 2014 to Jan 2016	07.04.2016	0	0.0	12,023,529	18.05.2016	0	0.0	1,481,194	0
23	020	Mar-16	22.04.2016 Resubmitted on 30.06.2016	23,432,735	58,393.0	25,971,654	19.07.2016	0	0.0	12,581,502	0
24	021	Apr-16	20.05.2016 Resubmitted on 28.07.2016	18,431,384	58,223.0	24,185,560	08.09.2016	0	0.0	14,436,817	0
25	022	May-16	20.06.2016 & PKR resubmitted on 22/09/2016	17,749,931	43,655.0	30,528,705	07.10.2016 & JPY & EURO 27.02.2017	7,057,385	0.0	19,625,266	0
26	Final Supplementary Invoice	For the month of July 2013, June 2014 & July 2014 Assignment-A	29.06.2016	3,818,324	2,741.9		JPY 27.12.2016 & EURO 03.01.2017	2,432,327	1,717.1		
27	Final Supplementary Invoice	From Sep 2011 to July 2014 Assignment-A	11.07.2016			47,341,439	23.11.2016	0	0.0	14,855,888	
28	023	Jun-16	26.07.2016 & PKR submitted on 09/09/2016	19,139,749	36,432.6	27,473,100	11.11.2016 & JPY & EURO 27.02.2017	14,345,806	0.0	17,670,947	
29	Arrears of Escalation	From Oct 2015 to Apr 2016	28.07.2016	0	0.0	1,355,438	07.10.2016	0	0.0	413,116	
30	024	Jul-16	24.08.2016 & PKR submitted on 31/10/2016	20,944,715	61,067.0	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	59,162.1	21,740,830	06.03.2017 & JPY & EURO 27.02.2017	22,370,210	15,264.3	18,538,901	
32	026	Sep-16	25.10.2016 & PKR Submitted on 12.01.2017	20,457,552	33,105.1	32,972,027	06.03.2017 & JPY & EURO 27.02.2017	15,933,806	25,748.0	29,723,302	
33	027	Oct-16	06.12.2016 & PKR 14.02.2017	14,676,229	56,107.1	22,391,491	JPY & EURO 27.02.2017 & PKR 10.04.2017	11,298,749	44,624.1	17,951,057	
34	028	Nov-16	12.01.2017 & PKR Submitted on 22.03.2017	17,010,852	52,348.9	22,566,949	JPY 03.04.2017 & EURO 20.04.2017 & PKR 24.04.2017	13,561,713	41,752.0	17,202,754	
35	001S to 005S	From Aug 2014 to Dec 2014	17.01.2017	35,021,686	16,189.7	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	69,747.7	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	10,515.0	52,016,281	
37	PST	Claimed PST Witheld 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	83,680.2	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	45,911.6	24,460,842	JPY 03.04.2017 & EURO 20.04.2017 & PKR 17.05.2017	7,767,335	37,719.0	17,535,952	
41	018S to 026S	From Jan 2016 to Sept 2016	22.02.2017 & PKR 13.04.2017	53,959,508	118,419.9	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	43,683.7	27,832,378	JPY 10.04.2017 & EURO 24.04.2017 & PKR 17.07.2017	8,584,183	35,141.9	23,123,731	
43	031	Feb-17	28.04.2017 & PKR 29.06.2017	11,051,050	54,667.3	24,625,784	07.06.2017 & 08.06.2017 & PKR Remuneration 27.07.2017 & PKR Reimbursable 06.09.2017	8,685,804	43,511.1	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	51,374.5	25,592,856	07.06.2017 & 08.06.2017 & PKR Remuneration 06.09.2017 & PKR Reimbursable 28.11.2017	12,524,914	41,337.0	18,351,490	
46	033	Apr-17	01.06.2017 & PKR 23.08.2017	12,781,338	26,299.3	26,070,330	JPY 17.08.2017 & EURO 28.08.2017 & PKR Remuneration 19.10.2017 & PKR Reimbursable 21.12.2017	10,404,229	21,503.0	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	55,714.5	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	44,725.1	18,701,410	
48	035	Jun-17	11.08.2017 & PKR 09.10.2017	18,594,227	48,853.5	28,277,373	PKR Remuneration 21.12.2017 & PKR Reimbursable 24.01.2018 & JPY & EURO 07.03.2018	14,869,448	39,543.2	17,561,796	
49	036	Jul-17	13.09.2017 & PKR 06.11.2017	18,438,264	37,552.8	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	30,479.9	15,695,688	
50	037	Aug-17	05.10.2017 & PKR Remuneration 06.12.2017 & PKR Reimbursable 07.12.2017	22,283,721	39,071.3	26,800,350	Remuneration JPY 19.01.2018 & PKR Remuneration 24.01.2018 & EURO	13,524,337	31,475.1	13,785,805	

Total Contract Amount				JPY	EURO	PKR					
				3,765,402,844	8,628,983.9	2,726,702,454					
								Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018.			
51	038	Sep-17	30.11.2017 & PKR 11.12.2017	25,275,450	55,319.3	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	39,191.9	29,029,316	
52	039	Oct-17	18.12.2017 & PKR Remuneration 12.01.2018 & PKR Reimbursable 26.01.2018	30,965,060	48,541.2	24,755,246	JPY & EURO 07.03.2018 & PKR 07.03.2018	21,993,304	22,393.7	15,289,782	
53	040	Nov-17	28.12.2017 & PKR Remuneration 02.02.2018 & Reimbursable 07.02.2018	24,890,298	41,738.0	24,452,117	JPY & EURO 07.03.2018 & PKR 27.03.2018	17,614,630	21,996.7	15,454,332	
54	041	Dec-17	26.01.2018 & PKR Remuneration 06.03.2018 & Reimbursable 30.03.2018	26,066,347	76,887.2	40,807,244	JPY & EURO 07.03.2018 & PKR 25.05.2018	16,523,377	39,755.2	32,281,427	
55	042	Jan-18	23.02.2018 & PKR Remuneration 13.03.2018 & Reimbursable 23.04.2018	24,236,376	63,217.9	58,859,377	JPY 26.03.2018 & EURO 27.03.2018 & PKR Remuneration 25.05.2018 & PKR Reimbursable 21.06.2018	14,993,551	35,810.2	17,564,044	
56	043	Feb-18	30.03.2018 & PKR Remuneration 19.04.2018 & Reimbursable 21.05.2018	28,152,289	54,667.3	28,490,928	JPY 23.05.2018 & EURO 24.05.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 18.07.2018	19,670,980	43,511.1	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	52,761.3	29,253,565	JPY 19.06.2018 & EURO 20.06.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 13.08.2018	25,775,591	42,328.2	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	52,708.8	35,840,584	PKR Remuneration 18.07.2018 & JPY 30.07.2018 & EURO 31.07.2018 & PKR Reimbursable 10.09.2018	21,316,744	42,275.7	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	46,592.5	30,724,047	PKR Remuneration & Reimbursable 10.09.2018 & JPY 13.09.2018 & EURO 14.09.2018	21,610,245	37,673.7	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	55,283.3	28,514,236	JPY & EURO 26.09.2018 & PKR Remuneration & Reimbursable 16.10.2018	25,217,683	44,127.0	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	45,863.6	31,146,584	PKR Remuneration 16.10.2018 & PKR Reimbursable 11.12.2018 & JPY & EURO 17.12.2018	21,964,368	37,099.3	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	39,013.5	29,369,478	PKR Remuneration 15.11.2018 & JPY & EURO 17.12.2018 & PKR Reimbursable 18.01.2019	17,212,308	31,374.1	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	53,658.4	28,933,129	PKR Remuneration 11.12.2018 & JPY & EURO 17.01.2019 & PKR Reimbursable 18.01.2019	30,044,462	43,061.6	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	68,383.9	23,991,175	PKR Remuneration 11.12.2018 & JPY & EURO 17.07.2019	17,327,640	55,071.0	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	18,643.5	104,355,765	PKR Reimbursable 29.05.2019 & PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019	19,999,819	15,119.5	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	75,582.1	31,586,089	JPY & EURO 17.01.2019 & PKR Remuneration 20.02.2019 & PKR Reimbursable 14.03.2019	28,889,800	61,067.5	10,333,221	
72	052	Nov-18	JPY & EURO 01.01.2019 & PKR Remuneration 02.01.2019 & Reimbursable 08.02.2019	41,317,140	85,200.3	29,612,815	PKR Remuneration 20.02.2019 & JPY 28.02.2019 & EURO 01.03.2019 & PKR Reimbursable 14.03.2019	29,887,757	49,817.3	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	101,848.5	32,553,105	JPY 26.03.2019 & EURO 27.03.2019 & PKR Remuneration 11.04.2019 & PKR Reimbursable 14.05.2019	22,385,178	59,806.3	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	85,535.6	34,254,443	PKR Remuneration 14.03.2019 & JPY 26.03.2019 & EURO 27.03.2019 & PKR Reimbursable 25.07.2019	17,201,786	53,092.2	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	109,184.6	30,115,175	JPY 10.05.2019 & EURO 13.05.2019 & PKR Remuneration 14.05.2019 & PKR Reimbursable 25.07.2019	26,050,980	86,872.1	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	50,545.9	95,850,188	PKR Remuneration 29.05.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	18,077,618	40,588.8	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	110,926.5	32,011,879	PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	21,481,129	88,780.9	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	100,912.2	45,226,298	JPY & EURO 19.07.2019 & PKR Remuneration 05.08.2019 & PKR Reimbursable 18.09.2019	25,621,145	80,991.6	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	104,280.0	40,084,902	PKR Remuneration 05.08.2019 & JPY & EURO 07.08.2019 & PKR Reimbursable 31.10.2019	38,792,523	84,037.2	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	107,591.6	35,881,227	PKR Remuneration 18.09.2019 & PKR Reimbursable 31.10.2019 & JPY & EURO 21.11.2019	31,909,521	76,286.5	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	140,944.1	50,840,724	PKR Remuneration 31.10.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 03.12.2019	31,563,206	90,942.8	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	89,562.1	42,727,013	PKR Remuneration 03.12.2019 & JPY & EURO Remuneration 09.01.2020 & PKR Reimbursable	29,041,127	73,020.7	35,430,131	

Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,983.9	2,726,702,454				
							07.02.2020 & JPY & EURO Reimbursable 28.02.2020			
86	062	Sep-19	PKR Remuneration 13.11.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 29.11.2019	38,733,736	129,812.2	43,387,882	PKR Remuneration 14.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	30,883,076	103,716.0	34,600,721
87	063	Oct-19	PKR Remuneration 29.11.2019 & JPY & EURO 03.12.2019 & PKR Reimbursable 31.12.2019	31,086,208	135,856.3	50,181,714	PKR Remuneration 24.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	24,793,910	108,677.4	41,393,909
88	054S to 060S	From Jan 2019 to Jul 2019 Supplementary	JPY & EURO 09.12.2019	5,092,138	60,973.7		Reimbursable JPY 28.04.2020 & Reimbursable EURO 30.04.2020 & JPY & EURO Remuneration 15.05.2020	3,353,531	49,458.4	
89	064	Nov-19	PKR Remuneration 20.12.2019 & JPY & EURO 07.01.2020 & PKR Reimbursable 10.01.2020	45,807,870	115,221.6	43,571,960	JPY & EURO 28.02.2020 & PKR Remuneration 18.03.2020 & PKR Reimbursable 04.05.2020	36,488,385	94,006.2	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	141,050.3	58,976,694	JPY & EURO 11.03.2020 & PKR Remuneration 08.04.2020 & PKR Reimbursable 10.06.2020	32,462,083	113,144.2	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	146,378.0	52,379,808	PKR Remuneration 02.04.2020 & JPY & EURO 15.05.2020 & PKR Reimbursable 06.07.2020	28,616,260	117,384.1	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	158,283.8	50,877,843	PKR Remuneration 04.05.2020 & JPY & EURO 25.06.2020 & PKR Reimbursable 03.08.2020	28,986,611	126,018.6	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	160,794.8	56,498,786	JPY & EURO 02.07.2020 & PKR Remuneration 03.08.2020 & PKR Reimbursable 02.11.2020	33,489,540	123,560.3	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	165,009.8	52,033,891	PKR Remuneration 03.08.2020 JPY 07.08.2020 & EURO 10.08.2020 & PKR Reimbursable 02.11.2020	26,950,173	131,521.0	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	165,663.7	51,755,642	PKR Remuneration 17.09.2020 & JPY 28.09.2020 & EURO 25.09.2020 & PKR Reimbursable 28.10.2020	21,116,812	89,724.8	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	165,189.8	49,538,690	PKR Remuneration 02.11.2020 & JPY & EURO 02.12.2020 & PKR Reimbursable 20.01.2021	25,263,288	131,721.1	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	103,073.5	56,796,363	PKR Remuneration 02.11.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 24.02.2021	25,931,960	84,063.4	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	121,793.5	55,615,127	PKR Remuneration 28.10.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 08.03.2021	26,896,979	98,976.3	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	165,009.8	56,635,346	JPY & EURO 17.12.2020 & PKR Remuneration 21.12.2020 & PKR Reimbursable 03.05.2021	30,758,356	131,541.1	49,292,375
101	061S to 070S	From Aug 2019 to May 2020 Supplementary	JPY & EURO 28.10.2020	11,647,508	59,527.0		JPY 19.02.2021 & EURO 17.02.2021	9,190,079	48,748.6	
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	160,742.4	53,295,719	PKR Remuneration 07.01.2021 & JPY & EURO 12.01.2021 & PKR Reimbursable 20.05.2021	34,606,197	128,533.1	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	117,756.3	59,839,602	PKR Remuneration 20.01.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 31.05.2021	40,049,051	97,431.7	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	134,364.2	61,213,773	PKR Remuneration 24.02.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 30.06.2021	38,693,932	109,080.0	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	156,845.6	61,580,382	PKR Remuneration 12.08.2021 & PKR Reimbursable 10.09.2021 & JPY & EURO 13.09.2021	39,022,205	126,910.2	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	156,803.5	61,119,247	PKR Remuneration 10.09.2021 & PKR Reimbursable 24.09.2021 & JPY & EURO 08.10.2021	31,550,549	126,897.8	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	117,734.6	60,828,467	PKR Remuneration 24.09.2021 & JPY & EURO 08.10.2021 & PKR Reimbursable 15.10.2021	37,273,926	94,772.0	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	135,755.2	61,848,229	JPY & EURO 08.10.2021 & PKR Remuneration 15.10.2021 & PKR Reimbursable 02.11.2021	40,499,764	109,590.5	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	117,955.0	66,602,680	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 26.11.2021	30,708,564	95,752.6	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	125,544.9	73,154,118	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 31.12.2021	31,899,578	103,265.2	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	174,114.0	62,486,066	JPY & EURO 29.10.2021 & PKR Remuneration 26.11.2021 & PKR Reimbursable 11.01.2022	29,628,387	141,530.4	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	162,190.1	65,776,983	PKR Remuneration 26.11.2021 & JPY & EURO 09.12.2021 & PKR Reimbursable 07.02.2022	35,807,673	144,520.0	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	181,227.8	68,477,340	JPY & EURO 15.12.2021 & PKR Remuneration 31.12.2021 & PKR Reimbursable 03.03.2022	27,949,152	161,641.3	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	3,475.2		EURO 14.02.2022 JPY 15.02.2022	1,255,200	2,781.7	
122	087	Oct-21	PKR Remuneration 02.12.2021 & JPY & EURO 08.12.2021 & PKR Reimbursable 03.01.2022	41,115,860	197,497.9	66,395,695	PKR Remuneration 11.01.2022 & JPY & EURO 19.01.2022 & PKR Reimbursable 24.03.2022	32,512,800	174,016.8	62,947,262

Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,983.9	2,726,702,454				
123	088	Nov-21	PKR Remuneration 31.12.2021 & JPY & EURO 05.01.2022 & PKR Reimbursable 18.01.2022	59,389,109	203,783.5	62,723,287	PKR Remuneration 07.02.2022 & EURO 14.02.2022 & JPY 15.02.2022 & PKR Reimbursable 08.04.2022	47,145,767	183,359.7	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	180,336.3	68,206,392	PKR Remuneration 03.03.2022 & JPY & EURO 14.04.2022 & PKR Reimbursable 23.04.2022	47,869,445	140,687.2	63,350,345
125	Arrears of Escalation	From Aug 2014 to Sep 2021	JPY & EURO 18.02.2022	86,181,370	366,027.6		JPY 10.05.2022 & EURO 09.05.2022	74,889,089	322,243.9	
126	090	Jan-22	PKR Remuneration 02.03.2022 & JPY & EURO 04.03.2022 & PKR Reimbursable 29.03.2022	47,988,271	231,246.1	78,338,629	PKR Remuneration 24.03.2022 & JPY & EURO 09.05.2022 & PKR Reimbursable 10.06.2022	35,849,929	183,999.0	74,119,379
127	091	Feb-22	PKR Remuneration 18.03.2022 & JPY & EURO 04.04.2022 & PKR Reimbursable 28.04.2022	49,351,025	238,651.1	72,344,440	PKR Remuneration 23.04.2022 & JPY & EURO 01.06.2022 & PKR Reimbursable 28.07.2022	39,917,960	201,572.3	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	249,212.4	101,124,224	PKR Remuneration 10.06.2022 & JPY & EURO 17.06.2022	38,333,736	198,361.7	26,915,515
130	093	Apr-22	PKR Remuneration 27.05.2022 & JPY & EURO 31.05.2022 & PKR Reimbursable 28.06.2022	50,667,037	244,679.0	75,218,195	PKR Remuneration 30.06.2022 & JPY & EURO 13.07.2022	41,394,136	220,242.6	27,050,074
131	094	May-22	PKR Remuneration 20.06.2022 & JPY & EURO 29.06.2022	49,101,375	205,176.5	34,264,021				
132	095	Jun-22	PKR Remuneration 22.07.2022			35,932,989				
133										
Total				3,255,572,549	9,651,203.0	4,694,055,182		2,342,998,003	7,258,094.8	3,202,741,998

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	Shatial 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 Reservoi	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

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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 Reservoir 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 Reservoir (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 Reservoir 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

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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 Reservoir Area-2	2018-19	1,064,723
152	11/04/2019	Largani Reservoir 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 Reservoir (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 contractor 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

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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 Reservoir	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	Resettlement site uchar	2019-20	2,735,571
243	24/12/2019	Largani reservoir 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 reservoir	2019-20	125,635,616
246	24/12/2019	Looter reservoir area-II	2019-20	13,120,861
247	24/12/2019	Largani reservoir area-02	2019-20	33,508,076
248	24/12/2019	Logro reservoir (site-1)	2019-20	7,258,458
249	24/12/2019	Barseen zongmei magazine site	2019-20	13,406,506
250	24/12/2019	Looter reservoir 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 reservoir 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

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285	13/02/2020	Logro Reservoir 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 reservoir area-2	2019-20	222,214
293	13/02/2020	Kaigah Reservoir 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 Reservoir 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 Reservoir Area(RAR-02)	2019-20	24,530,126
301	25/02/2020	Kotgal Reservoir Area(RAR-02)	2019-20	7,476,580
302	25/02/2020	Looter Reservoir Area-01	2019-20	1,111,360
303	25/02/2020	Looter Reservoir 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 Reservoir 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 Reservoir Area	2019-20	89,039,872
312	05/03/2020	Largani Reservoir 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	Reservoir 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 Reservoir 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	Add Land Grid Station Chuchang	2020-21	721,071
353	03/11/2020	Kaegah Quarry 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 Reservoir Area-2	2020-21	1,250,200
356	03/11/2020	Barseen Dumping & Reservoir Area-1	2020-21	669,550
357	03/11/2020	Sigloo Blasting Area	2020-21	421,970

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358	03/11/2020	Siglo-2(file-4)	2020-21	320,490
359	03/11/2020	Barseen Dumping & Reservoir Area-II	2020-21	228,040
360	03/11/2020	Pani Bah Reservoir	2020-21	122,280
361	19/11/2020	Gober Nullah to Shukrait Reservoir area	2020-21	213,574,025
362	19/11/2020	Gumoonend point to Uthor Nullah Reservoir area	2020-21	82,125,209
363	19/11/2020	Natbail To Salich bridge kandia reservoir area	2020-21	315,329,500
364	19/11/2020	Lachi Nala reservoir 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 reservoir area file-2	2020-21	25,395,628
368	19/11/2020	Uchar Logro reservoir area file-1	2020-21	12,573,766
369	19/11/2020	Add 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 reservoir area file 5	2020-21	28,183,251
374	19/11/2020	Kotgal to kandia reservoir 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 reservoir area file 2	2020-21	19,030,084
377	19/11/2020	Sazeendas reservoir area 2	2020-21	162,230,931
378	19/11/2020	Lachi nala reservoir area-1	2020-21	114,802,353
379	26/11/2020	Sazeendas reservoir area 1	2020-21	514,387,499
380	26/11/2020	Lachi nala reservoir area file 3	2020-21	20,339,746
381	26/11/2020	Kishu karh to milar limits reservoir area	2020-21	75,626,895
382	26/11/2020	Slich bridge to kotgal reservoir area	2020-21	219,610,080
383	26/11/2020	Kotgal to dandar start point reservoir	2020-21	316,895,164
384	26/11/2020	Milar to Dogah reservoir 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	Barseen 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	Add. 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 Reservoir 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 reservoir 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 reservoir area-1	2020-21	2,082,644
426	15/12/2020	Gadeer Reservoir Area (File-2)	2020-21	1,959,054
427	15/12/2020	Guli Bagh Reservoir area	2020-21	740,282
428	15/12/2020	Kaigah Quarry Area-2	2020-21	617,248
429	15/12/2020	Gadeer Reservoir 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 Reservoir Area (F-4)	2020-21	219,690

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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 Reservoir area	2020-21	270,576,717
439	28/12/2020	LoR Baily Bridge Gumoon	2020-21	237,437,738
440	28/12/2020	Gandeeer Reservoir 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 Reservoir 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 Reservoir 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 Reservoir 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 Reservoir Area File-2	2020-21	486,490
478	28/01/2021	Sazeen Das Reservoir 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

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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 Reservoir	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 Reservoir area	2020-21	103,118,860
512	25/02/2021	Barseen Nallah Reservoir area	2020-21	7,288,104
513	25/02/2021	Barseen Dumping and reservoir 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 Reservoir 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 Reservoir 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 Reservoir 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 Reservoir 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

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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 Additional 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 ACTIVITIES

6.1 Incident Statistics and Description for the Reporting Month

A – Personal Injury (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	7	17	0	0	0	0	17
KKH-02	0	0	0	0	0	0	0	0	0
RAR-01	1	8	3	12	0	0	0	0	12
RAR-02	0	0	0	0	0	1	0	1	1
132kV TL	2	1	0	3	0	0	0	0	3
MW-01	2	42	4	48	0	0	0	0	48
MW-02	0	15	4	19	1	0	0	1	20
LBRV-11 & 12	2	1	1	4	0	0	0	0	4
PCI-01R	3	6	1	10	0	0	0	0	10
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	0	0	0	9
PMU	0	1	0	1	0	0	0	0	1
Total	12	91	23	126	1	1	0	2	128

* 3 LTIs is associated with the incident

B – Personal Injury (Non- Work Related)

There was no non-work-related injury in the reporting month.

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	16	12	28	0	0	0	28
KKH-02	0	0	0	0	0	0	0
RAR-01	4	3	7	0	0	0	7
RAR-02	0	0	0	0	1	1	2
132kV TL	0	2	2	0	0	0	2
MW-01	6	17	23	0	0	0	23
MW-02	3	6	9	0	1	1	10
LBRV-11/12	0	6	6	0	0	0	6
PCI-01R	0	1	1	0	0	0	1
Dasu-RV	0	0	0	0	0	0	0
LADP-IKAN	0	0	0	0	0	0	0
DHC	3	6	9	0	0	0	9
Total	32	53	85	0	2	2	87

*1 Denotes serious potential/act to cause major accident associated with damage to structures/plant/environment or human health systems

Denotes damage associated with financial/insurance requirements

6.1.1 Description of Incidents/Accidents

Date of Incident	Location of Incident	Contract	Description of Incident	Category	Corrective Action	Status
24 th July 2022	CT-2	MW-02	On 24 th July 2022 at about 4:40 am, CGGC was performing drilling holes using electric drills of the (3) arms hydro-electric diesel Jumbo machine for charging and blasting inside CT2 tunnel. During this operation, the power trips-off twelve times and the supervisor asked the worker to detach the water hose that feeds the Jumbo machine. Meanwhile, the Secondary Chinese Supervisor also re-instructed the electrician to switch-on the main Electrical Breaker that trips off; when the electrician switch-on the main electrical breaker, at that time the worker has made contact with the water hose and he was electrocuted and fell on the ground. He was taken to Dasu Health Centre for treatment but was declared dead.	Fatal	RCA is awaited	Open
3 rd July 2022	RAR near Komila police line	RAR-02	On 3 rd July 2022 at about 11:30 am, Contractor's rental Prado was headed towards Dasu town to buy some edible items on RAR road driven by the team foreman (referred as driver) without intimation to supervisor. Near Kass camp, the driver gave lift to one local and near police lines he tried to avoid the vehicle from children, but he failed due to brake failure and hit the vehicle with protective barrier pipes on the road edge, resulting in damaging 5 numbers of barrier and fell into 7-meter-deep open plot. Both IPs were taken to Dasu hospital and after first aid referred to Abbottabad. Upon examination, the driver were declared fit and sent back to site on next day. The second IP was injured, diagnosed with fracture of left hand and kept under observation for further treatment.	1 LTI	RCA submitted vide CGGC/RAR-02/HSED/DHC-350 dated 20 th July 2022	Closed

6.1.2 Property damage

Date of Incident	Location	Contract	Description of Incident	Category	Reporting/ Corrective Action	Status
30 th July 2022	MAT	MW-02	On 30 th July 2022 at about 8:47 am, The jumbo was being moved to VAT. Meanwhile, it had to stop to make way for upcoming loader. Engine was turned off and brakes were applied but after a few minutes the brakes failed and it started to move forward. Efforts were made by the operators to stop the vehicle but it did not work, both operators jumped off and the vehicle hit the transformer. One of the operators sustained minor injuries and was given first aid at site, the other remained safe.	Minor	RCA is awaited	Open
3 rd July 2022	RAR near Komila police line	RAR-02	On 3 rd July 2022 at about 11:30 am, Contractor's rental Prado was headed towards Dasu town to buy some edible items on RAR road driven by the team foreman (referred as driver) without intimation to supervisor. Near Kass camp, the driver gave lift to one local and near police lines he tried to avoid the vehicle from children, but he failed due to brake failure and hit the vehicle with protective barrier pipes on the road edge, resulting damages to vehicle roof and side door and also damaged 5 numbers of barrier and fell into 7-meter-deep open plot.	Minor	RCA submitted vide CGGC/RAR-02/HSED/DHC- 350 dated 20 th July 2022	Closed

6.1.3 Natural disaster/ Flood

Date of Incident	Location	Contract	Description of Incident	Category	Reporting/ Corrective Action	Status
27 th July 2022	Uchar Nullah	KKH-01, LBRV-11/12	On 27 th July 2022 at about 5:00 pm, a heavy flood occurred in Uchar Nullah beside CCECC & Zhongmei Camp and catchment area. The muddy flood blocked the flow of Indus River and water level raised on upstream side of Indus River and reached to CCECC Camp, Workshop, Consequently it badly effect CCECC & Zhongmei camps, crushing plant, Stockyard areas and Existing KKH. After one hour, the pressure of river water broke the steadied artificial flood's reservoir due to it the construction materials taken away by the river water. Existing KKH Bridge heavily damaged due to boulder hitting the arches.	Major	RCA is submitted indicating the following measures <ul style="list-style-type: none"> Emergency siren was blown when the flood noise aired. All employees were evacuated from camp to existing KKH. Monitored the flood in Uchar Nullah and river level. Flood warning notice issued and employees are instructed to avoid sitting near Uchar Nullah and Bank of river. The contractor already had submitted a plan to construct a concrete wall toward river to protect the camp and other Construction facilities at Uchar. A mock evacuation drill must be arranged. 	Closed
24 th July 2022	Uchar Nullah	KKH-01, LBRV-11/12	On 24 th July 2022 at about 2: 00am a heavy flood occurred in Uchar Nullah beside CCECC & Zhongmei Camp and catchment area. The muddy flood blocked the flow of Indus River and water level raised on upstream side of Indus River and reached to CCECC Camp, Workshop, Consequently it badly effect CCECC & Zhongmei camps, crushing plant, Stockyard areas and Existing KKH. Some of the construction material eroded by the flood water.	Major	RCA is submitted indicating the following measures <ul style="list-style-type: none"> Emergency siren was blown when the flood noise aired. All employees were evacuated from camp to existing KKH. Monitored the flood in Uchar Nullah and river level. Flood warning notice issued and employees are instructed to avoid sitting near Uchar Nullah and Bank of river. The contractor already had submitted a plan to construct a concrete wall toward river to protect the camp and other Construction facilities at Uchar. A mock evacuation drill must be arranged. 	Closed

6.1.4 Explosive Mishandling/Mismanagement

Date of Incident	Location	Contract	Description of Incident	Category	Reporting/ Corrective Action	Status
22 nd July 2022	LBTT	MW-01	On 22 nd July 2022 at about 4:45 pm, The CGGC team observed a miss fired explosive during routine job execution at LBTT. The observation was reported to site OHS Supervisor. At the same time one DHC Personnel intervene on site, capture the video of explosive and tried to take the explosive with him. The CGGC site OHS Personnel tried to stop him, but he refused and take the explosive with him in QC Office at CR-02 Site. He handed over the explosive to CGGC QC Personnel who warn him on his unsafe/unauthorized act and immediately called the explosive team to handover the explosive to them for safe custody	High Potential Near Miss	RCA is awaited	Open

6.1.5 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	LBRV 11/12	RAR-02	KKH-02	EM-01	DHPP Total	Target
Number of Staff/Workers	309	450 ¹	95	215	61	1226	1226	157	50	23	206	24	4042	
Recordable Injuries & Illness (RI)			0	0	0	0	1	0	0	1	0	0	2	
Incidence Rate (TRIR, monthly) *			0	0	0	0	.07	0	0	3.6	0	0	0.04	
TRIR (Year-to-date)														1.25 ¹
Fatality Case							1						1	
Fatality Frequency Rate (FFR)							.07						0.02	
Lost time injuries (LTI)			0	0	0	0	0	0	0	1		0	1	
LTI Frequency Rate (LTIFR monthly)**										3.9			0.02	1.0 ²
First-Aid Cases (FAC)			0	0	0	2	3	0	0			0	5	
FAC frequency rate (FACFR, monthly)						0.1	0.2						0.1	
Medical Treatment Cases (MTC)			0	0	0	0	0	0	0			0	0	
MTC frequency rate (MTCFR, monthly)			0	0	0	0	0	0	0	0	0	0	0	
Near-miss Incidence (NMI, monthly)			0	0	0	0	5	4	0			0	9	
NMI Investigated & corrective actions taken			0	0	0	0	5	4	0			0	9	
% NMI closed			0	0	0	0	100	100	0			0	100	100% ³
COVID19 cases		2	0	0	0	0	0	0	0			0	2	
COVID-19 per 100 workforces (CFR)		0.57			0								0.05	
No of OHS AFI attended by DHC			0	1	0	7	9	1	0			0	18	
No. of AFI approved			0	0	0	7	9	1	0			0	17	
No. of OHS EI issued by DHC			1	1	1	1	2	1	1			1	9	
NO of EI Closed			0	0	0	0	0	0	0			0	0	
% of OHS EI closed			0	0	0	0	0	0	0			0	0	
No. of OHS Training		2	3	3	3	31	44	4	0			4	94	
Training (No. Attendees)		86	38	17	45	619	826	84	0			78	1793	
No. of OHS NCR issued			0	0	0	0	0	0	0	0		0	0	
No. of OHS NCR closed			0	0	0	1	0	0	0	1		0	2	
% of NCR Closed			0	0	0	100	100	0	0			0		
No. of Toolbox Talks (TBT) by Contractors			28	12	6	496	496	14	4			18	1074	
TBT Participants of Contractors			377	52	58	14880	14880	315	19			385	30966	
No of OHS walk-through-Inspections by														
Contractor Management/ Senior Staffs			1	2	0	5	8	5	0			1	22	
DHC Management/ Senior Staffs			2	0	1	2	2	2				1	10	
DHC Supervisors			6	4	3	27	29	3	0	9	3	1	85	
Contractor Supervisors			1	24	1	31	31	14	4			3	109	
Unsafe Acts identified by DHC			3	9	7	37	49	3	0	4	3	0	115	
Unsafe Conditions identified by DHC			5	13	5	68	101	3	0	21	5	3	224	
No of Joint Inspections Conducted			2	0	1	2	2	2				1	10	

¹ DHPP TRIR Target for 2022 (assumed), ² DHPP Lost Time Injury Frequency Rate (LTIFR) Target 2022, ³ % NMI Closer Target within 30 days, ⁴ COVID-19 Frequency Rate (number of cases per 100 workers/staffs).

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

***Please Note:**

No data from KGL, IKAN, RAR-02 & KKH-02. Contractors received for the KPI data set for July 2022. This illustrates discontinuity associated with Contractor submitted data.

6.2 Safety Performance

In July 2022, 1 fatality, 1 LTI and 5 first aid cases were recorded.

¹ DHC regular employees=370, daily wages=80, Total=450

6.2.1 Injuries and Illness Performance

Total recordable injury and fatalities during the reporting month were two and five first aid cases were recorded. Out of which, there was one fatality happened at MW-02. As a consequence, monthly FFR, TRIR, LTIFR & FACFR of DHPP for July 22 are estimated as 0.02, 0.04, 0.02 & 0.1.

6.2.2 Unsafe Condition, Unsafe Act and Near-Miss

117 unsafe acts, 229 unsafe conditions and 4 near misses were identified during the reporting month including LADP project. Most of UA, UC and NM are related to MW-01 and MW-02 contracts.

Figure below presents contract wise unsafe acts, conditions and near misses during the reporting month.

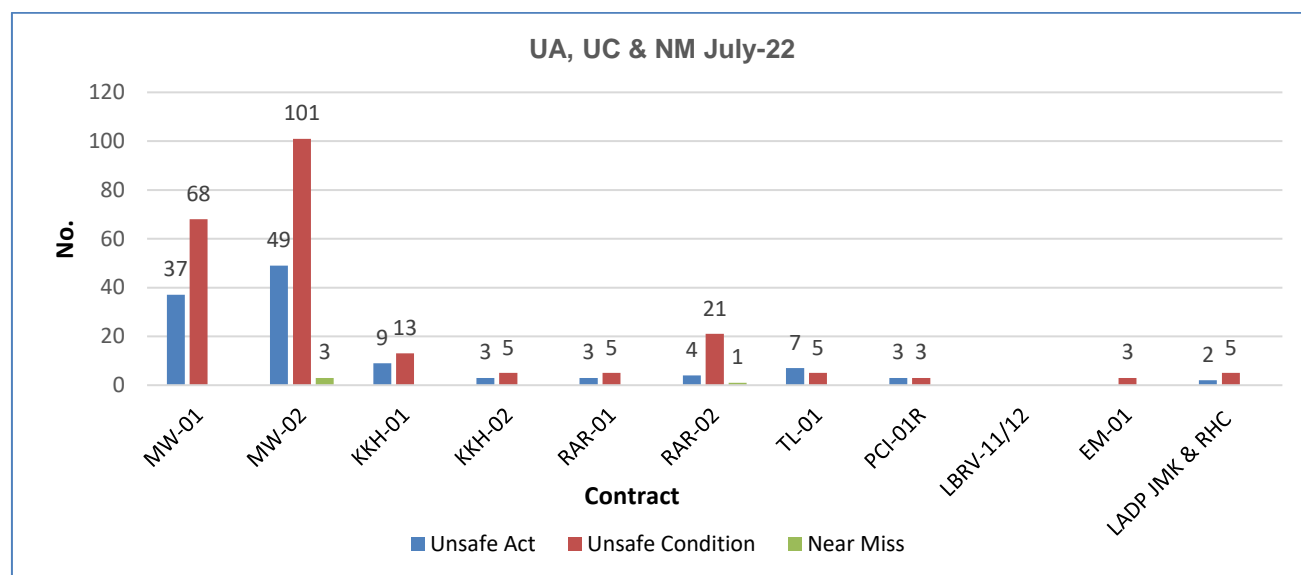


Figure: Contract-wise unsafe acts and conditions

6.2.3 Monthly OHS Progress Review Meeting

Below table present the overall status of monthly OHS MOM for July 2022. All Contractors were instructed to close the remaining issues as soon as possible.

Table 6.2: Status of Outcomes in July 2022 Monthly Progress Review Meeting

Sl.	Contract	OHS MoM Status During Reporting Month				
		Total	Open	Partially closed	Closed	New Items added
1.	MW-01/02	12	5	0	4	3
2.	RAR-01	7	3	1	1	2
3.	KKH-01	9	3	2	1	3
4.	PCI-01	8	2	0	4	2
5.	TL-01	7	2	0	3	2
6.	LBRV 11/12	4	2	0	2	0
Total		47	17	3	15	12

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	0	0	3	0	3
RAR-01	0	0	6	0	6
TL-01	0	0	2	0	2
MW-01/02	1	0	37	1	39
PCI-01R	0	0	14	0	14
LBRV-11/12	0	0	2	0	2
RAR-02	0	0	0	1	1
LADP SA-01	1	0	0	0	1
Total	2	0	64	2	68

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

OHS team of DHC conducted four 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 and instruction to rectify 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	2	2	4
2.	RAR-01	1	1	2
3.	RAR-02	0	0	0
4.	KKH-01	0	0	0
5.	KKH-02	0	0	0
6.	PCI-01	0	2	2
7.	TL-01	0	1	1
8.	LBRV 11/12	0	0	0
9.	EM-01	0	1	1
10.	LADP	0	0	0
Total		3	7	10

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				No. of Participants
	Date of Training	Subject of Training	Trainer	Target Group	
1.	July 24, 2022	Explosive handling Awareness	Muhammad Iqbal (Deputy Lead OHS -DHC)	DHC, CGGC field inspectors and engineers	60
2.	July 21, 2022	Defensive driving	Muhammad Iqbal (Deputy Lead OHS -DHC)	CGGC drivers	26
Total					86

Details of trainings arranged by the Contractors are presented below:

Sl. No	Contract	Number of Trainings during Reporting Month	No. of Participants
1.	RAR-01	3	38
2.	KKH-01	3	17
3.	TL-01	3	45
4.	MW-01	31	619
5.	MW-02	44	826
6.	PCI-01	4	84
7.	LBRV 11/12	0	0
8.	EM-01	4	78
Total		92	1707

6.2.7 Tool-box Talk

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. No	Contract	Number of daily TBT conducted by the contractors during the reporting month	No. of Participants
1.	RAR-01	28	377
2.	KKH-01	12	52
3.	TL-01	6	58
4.	MW-01	496	14880
5.	MW-02	496	14880

6.	PCI-01	14	315
7.	LBRV 11/12	4	19
8.	EM-01	18	385
Total		1071	30562

6.3 General OHS Management Activities

6.3.1 High-Level OHS Management

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

- Review field progresses, prepare agenda for weekly OHS meetings, send Zoom invitations to all participants, attend and moderate the weekly meetings,
- Review CGGC vehicle roll-over investigation reports, comment on the draft report, and prepare additional Whys to supplement the root-cause analysis.
- Review flash report of CGGC fatal incident and provide comments and recommendations on improvement and to align with PR12 requirements for an independent investigator,
- Discuss with the field team on the field issues, e.g., review of draft EIs, training needs assessment and guide them in preparing the priorities, and
- Advise field team for the improvement of monthly progress report and help them in finalization of the report,

6.3.2 OHS Systems and Procedures

International OHS Specialist (Systems and Procedure) was involved in the following activities during the reporting month:

- Attend Weekly OHS meeting with team members and provide feedbacks.
- Incident investigation support to field teams, related to motor vehicle rollover incident. Review of investigation report and further guidance for improvement.

6.3.3 OHS Underground Works

International OHS Specialist (Underground Works) was engaged in the following in this reporting month:

- Attend weekly OHS meeting in Zoom and provide guidance to the field team.
- Review incident flash report structure submitted by DHC field team and provide comments and feedback to align with PR12.
- Review flash report of fatal accidents due to electrocution and provide comments.

6.4 The Engineer's Training/Drills Participation

During July 2022, the Engineer delivered 2 trainings to DHC, WAPDA and Contractors staff on different OHS subject.

6.5 The Engineer's Inspection/Audit/Instructions

- DHC OHS team have conducted 95 Walk-through Inspections on different worksites during the reporting period. Senior staffs were involved in 10 number and field professionals, inspectors and Jr. OHS Professional were involved in 85 numbers of walk-through, respectively.
- Issued (11) Engineering Instructions to all contractors during the reporting period.

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 4,629 acres has been awarded / acquired by the end of July 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 3,900 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 3,520 acres land acquired under private negotiation. No new land was acquired during the reporting month. Land acquisition formalities for the remaining land of Batch-3 and 4 (mainly additional land of KKH-01 & KKH-02) remained under process according to the scheduled timeline. Batch-wise land acquisition status 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	741	729 (12 acres direct payment)	–	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	1,553	1,516	37	The possession of 1,516 acres (98%) of the acquired land has been taken over. The acquisition of remaining land is under process and delayed due to an enquiry being carried out by LAC.
Batch-4	981	981	–	Possession of 100% land has been taken over by WAPDA.
Batch-5	787	446	418	Acquisition of remaining land is under process. The possession of 221 acres (50%) of the acquired land has been taken over by WAPDA.
Total	5,019	4,629 (12 acres direct payment)	341	The possession of 4,397 acres (95%) of the acquired land has been taken over by WAPDA

In addition to the above total (5,019 acres) land in District Upper Kohistan, about 654 acres land will be acquired in District Diamir making the total land to 5,673 acres.

7.1.2 Status of Compensation Payments

At the end of reporting month, a total amount of PKR 18.82 billion was paid, including PKR 18.48 billion to 7,492 PAPs through 11,126 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.

During July, 2022, an amount of PKR 24,973,772 /- was paid as compensation payment to 07 PAPs of various components. A total of 07 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	# of PAPs	# of Cheques	Amount
1.	Kishu Kar Reservoir Area.	5	5	24,626,445
2.	KKH-02 Looter to Shukrait Nullah Area-1 B (II)	1	1	197,277
3.	KKH-02 Additional Land Awai to Looter Part-A	1	1	150,050
	Total	7	7	24,973,772

7.1.3 Meetings of Compensation Disbursement Committee (CDC)

During the reporting month no meeting of Compensation Disbursement Committee (CDC) was held.

7.1.4 Land Revenue Survey and Revenue Record:

The following activities were performed during the reporting month:

- a) Partial of the components PTB-1 to PTB-7 have been completed and components are under process for issuance of different Sections.
- b) Partial of Access Road to Resettlement site-4, Kuz Chuchang has been completed and sent to WAPDA for GIS verification

Land Revenue Survey of almost all components of Batch 3, 4 & 5 have been completed. During the month, revenue survey of Access Road to Resettlement Site-4 at Kuz Chuchang was completed. In this regard, Land Acquisition Team along with Consultation & Participation Team conducted number of Jirgas with a group of land owners who refused to give their land. A letter was written to WAPDA in this regards.

Following Revenue Records were received during the month of July 2022.

Sr. No.	Component	Received on	Submitted on
1	Revenue Record of Access Road to Resettlement Site 4 Kuz Chuchang.	05-07-2022	30-07-2022

7.1.5 GIS Verification

The GIS Team has completed the GIS verification of all received components. No new component was received for GIS Verification during the reporting month. The GIS Team carried out the following activities during the reporting month.

- i. In the following component residential khasra's extracted in separate files of MS-Excel and GIS location maps for SMR package prepared/update for S&R Section.
 - Siglo-1 File-1 Batching plant area.
 - Siglo-02 File-03 Area.
 - Siglo-02 File-04 Area.
- ii. Prepared maps of KKH-02 with new alignment (ROW & Additional areas), RD's at SI-2019 and SI-2012.
- iii. Extracted DEM and generation of contour of land near Pani Bah area KKH-02 for road section.
- iv. Visited different site for drone imagery of construction progress.
- v. Extracted component wise vector data and conversion of vector data into CAD drawing of KKH-02 ROW, KKH-02 additional areas for handed over to contractor.
- vi. Meeting with DK and concerned revenue officer of Barseen area and prepared map and data for the answer of application from affectee (Household issue).
- vii. Visited flood damage area of different sites for drone Imagery.
- viii. Prepared GIS Data and drawing of acquired boundaries of KKH-01 with logro-1 DAM site area for MW-02 section.
- ix. Worked at Geological profile of Power tunnel to tailrace outlet tunnel. (4 No's).
- x. Prepared bridge drawings of RAR-02. (44 No's).
- xi. Prepared Switchyard Excavation Drawings. (6 No's).
- xii. Prepared RAR-02 CST Drawings 39+800 to 53+792.8 Plan Profile 7 Earthwork cross sections. (102 No's).
- xiii. Prepared DTA & DTB Weekly progress Performa. (2 No's) for Cost & Planning Section.
- xiv. Prepared Drawings MW-01 New two batching plant Area Cross Section and Land acquisition Boundaries. (5 No's).
- xv. Geological Subsurface Mapping Performa's of all Tunnels on DAM site. (9 No's).
- xvi. Prepared A1-10 Sheets of DTA and DTB detail Concrete Schedule for Cost & Planning Section.

7.1.6 Issuance of Notifications under Section-4 and Corrigendum

During the reporting month, no Section-4 was issued for any component

7.1.7 Cost Assessments and Verifications

Verification of cost estimates continued during the reporting month and Land Acquisition Team completed the verification of two components and submitted to WAPDA for transfer of funds to LAC designated account. The details of cost assessments are given in Table below;

Table 7.3: Status of Cost Assessment and Verification Comp during the Month

Sr. No.	Component	Received on	Submitted on	Amount (Rs.)
Land				
1	Additional Funds of KKH-01 of Additional Land PTB-01	05.07.2022	19.07.2022	74,716,00
2	Additional Funds of KKH-01 Additional Land PTB-03	25.05.2022	30.05.2022	9,408.00

7.1.8 Status of Land Lease of Kass

On an overall, more than three-fourths 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 76 have been paid the advance money (3-months land lease rent + 10% of the BUP Value).
- Majority of the 76 beneficiaries (who have received advance money) have demolished their houses and they have been paid the remaining amount (57-months land lease rent + 90% of the BUP Value).
- About 91% of the area (375 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.
- Area for E&M Camp also fall in Kass File-1 Area, which includes a total of 37 houses out of which 34 had been demolished by the end of reporting month which have been paid. The demolishing of remaining houses is in progress.

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 43 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 July 2022 are given below:

7.2.1 Progress of Seven under Construction Resettlement Sites

A total of 40 resettlement sites were planned, in the beginning, to resettle Affected Households of 34 Villages, who opted for resettlement sites. Four RV Packages (LBRV-11, LBRV-12, RBRV-11, and Dasu-RV) consisting of 21 resettlement sites were awarded to three contractors. 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 Dasu-RV

contract for Chuchang resettlement sites was commenced on 18th June 2019 and the area was handed over to the contractor. RBRV-11 was awarded, however the work was not commenced.

The work on seven handed-over resettlement sites of LBRV-11 & 12, and Dasu-RV remained in progress during the reporting month. Social & Resettlement Teams monitored the sites under construction, following activities were conducted:

- Work remained in progress on all ongoing resettlement sites except Khushi-2 as the AHHs could not hand over the agreed piece of land due to their internal dispute on land division.
- Location of water tank, access road to Mosque site at Chuchang and all other local issues were resolved during the month
- The consultation meetings were held with the community of Chuchang Resettlement Site-1 (Additional Block) for proper handing taking of site but the community refused due to following reservations:
 - Water Supply must be ensured;
 - Levelling of plots;
 - Provision of Electricity; and
 - Sewerage System enhancement

After examining the community demands all possible solutions were suggested to the community but discussions could not be reached to any conclusion. Meanwhile some locals informed that the site was rented out to CCECC for installation of Batching Plant. S&R Team visited the site on 22-07-2022 and it was observed that Chinese labour was working at site. This was the main reason due to which community was showing lack of interest during consultations on their reservations mentioned above.

7.2.2 SMR Implementation Progress

- By the end of July 2022, an amount of Rs. 909.75 million have been paid to 261 Affected Households. So far, 502 cases have been approved after field verification and Review process. ESMR Cheques of remaining 241 have also been prepared and the payment is in progress.
- Overall, the ESMR Implementation process remained slow during the reporting month due to; (i) Eid Holidays July 8 - 13, (ii) the transfer of Deputy Commissioner – the new DC joined on 18th July 2022, and (iii) the deadlock between DHHP and 80-Members Reservoir Committee, who did not allow for field verification.
- File preparation work remained in progress. The SMR Working Committee remained engage in preparing the files of second priority villages like Melar, Kuz Kai, Bar Kai, Kotgal and Sluch during the reporting month. By the end of reporting month 1207 (842 Priority I and 365 Priority II villages) ESMR files submitted to FVC/RSC.
- The S&R teams also kept engage in revising the files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC).
- 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 villages of Siglo and Barseen were mainly covered during the reporting month.
- The Field Verification Team verified about 821 AHHs and completed verification in Siglo, Barseen and Kaigah areas while the Review & Scrutiny Committee reviewed all the forwarded cases and more than 500 cases were recommended and approved by RSC and SMR-IC for ESMR payments.
- 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.

7.2.3 Status of TRP Payments

At the end of May 2022, a total amount of PKR 76,159,875/- paid as TRP to 208 RVs (PKR 65,305,000/-) and 86 self-opted (PKR 10,854,875/-) 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, 04 cheques were issued to 04 AHHs from Khushi Dumping, KKH-01 (ROW) and RAR-01 (ROW) components, a total amount of PKR 540,000/- was paid during the reporting month. M&E team updated summary tables for reporting. Component wise details of TRP and allowances is given in table.

Table 7.4: Status of Payments of TRP & Allowances to the Owners of AHHs
(Updated by End of Reporting Month)

S. No.	Component Name	Status by previous Month			Status during Reporting Month			Grand Total
		RVs AHHs	Self AHHs	Grand Total	RVs AHHs	Self AHHs	Amount Paid	
1	Additional ROW (KKH-01)	6	4	4,550,749	0	0	0	4,550,749
2	Bar Chuchang	1	3	495,924	0	0	0	495,924
3	Khushi Access Road to VT	13	1	4,840,983	0	0	0	4,840,983
4	Khushi Dumping	9	8	5,037,651	1	0	135000	5,172,651
5	Khushi to Logro	56	0	4,650,000	0	0	0	4,650,000
6	KKH-01 (ROW)	34	22	22,622,349	1	0	135000	22,757,349
7	Logro	43	0	19,690,000	0	0	0	19,690,000
8	RAR-01 (ROW)	16	26	6,937,729	2	0	270000	7,207,729
9	Uchar Thoki (Uchar Contractor Camp-2 Thoki)	15	0	755,000	0	0	0	755,000
10	WAPDA Office & Colony	11	0	820,000	0	0	0	820,000
11	Zhongmei Camp	4	1	2,655,124	0	0	0	2,655,124
12	Khushi Access Road	0	18	2,235,461	0	0	0	2,235,461
13	Tailrace Area Kuz Chuchang	0	3	328,905	0	0	0	328,905
Total		208	86	75,619,875	4	0	540,000	76,159,875

The updated status for the payments of project allowances to the owners of Commercial Structures is given in Table 7.6. During the reporting month (July 2022), no cheque was issued for commercial structures

Table 7.5: Status of Payments of Allowances to the Owners of Commercial Structures
(Updated by End of Reporting Month)

Sr. No.	Component	Status by Previous Month		Status during Reporting Month		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	11	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		44	3,926,220	0	0	3,926,220

7.2.4 Relocation of Houses

The owners of 367 affected structures including 137 AHHs receiving TRP. 43 commercial structures and 187 AHHs who received ESMR package have been relocated with their families to different locations. No new houses / families relocated during the reporting month.

7.2.5 Other Major Activities Carried Out by R&R Team

- Prepared files for Enhanced Self-managed Relocation Package. Team also collected the missing documents i.e. affidavit, Special Power of Attorney and CNIC copies from the affected households where required.
- ESMR files of paid households were scanned and two (02) duplicate copies were prepared for each file for payment of remaining project allowances. By the end of reporting month duplicate copies of 194 files completed.
- A joint visit by S&R and Infrastructure team was conducted at Chuchang Resettlement Site 1 & 4 to discuss and finalize location of water tank and route for water supply line. The matter was finalized with the community during the visit.
- On July 05, 2022 S&R representative attended meeting of SMR Review and Scrutiny Committee. During the meeting a total of 32 ESMR files reviewed and submitted to SMR-IC with Minutes of the Meeting (MOM).
- On July 14, 2022 held meeting with Programme Manager of M/s Management Support Consultants (MSC) on social issues and ESMR package process.
- Visited resettlement site-1 Chuchang (Additional Block) on 21-07-2022 and recorded community's apprehensions about slow work and incomplete work at site.
- On July 26, 2022 S&R representative visited Mansehra for signatures on ESMR files by Ex Convener Field Verification Committee (FVC).
- On July 27, 2022 a meeting was held with Gender Specialist DHC to discuss proposal for Lady Health Visitors Course for females of project area under DHPP.
- Temporary Relocation Package cheques distributed among various AHHs

7.3 Public Consultation and Participation

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

7.3.1 Public Consultations Regarding Resettlement Sites

Construction work on seven priority resettlement sites remained in progress during the reporting month. 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 more than two years (from commencement of construction work).

- Social and Resettlement Section was asked to consult the community regarding the handing over of the Additional Block of Chuchang RS – 01. The Resettlement and PCP teams visited the site to witness the latest situation on site. During the visit it was observed that CCECC was working on site. When probed, the person said that contractor (CCECC) is working to set up a batching plant after an agreement with community. He was told that the site is not meant for any activity other than the resettlement site construction until the site is properly handed over to community. Lately the matter was conveyed to Chief S & R via email for any further action.
- An application was submitted to Wapda by Mr. Hajat Nabi of the Khushi 2 Link 1 regarding some concerns on the development of the site. IN this regard, a visit was conducted with Infrastructure Section to the said site. The community raised concerns over the safety and other aspects and requested to address. The issues are as under:
 - i. **Water Tank:** As proposed location for construction of water tank was not accessible for contractor, another location was proposed. It was decided that after the technical feasibility analysis, the design will be finalized for the construction of water tank.
 - ii. **Slope Protection:** The community also showed some concerns over the slope safety of the site. They demanded for safety measures behind the site as the site was excavated deeply and there is a wall of almost 40 – 50 meters. They were informed that the possible safety measures have already been Planned .
 - iii. **Nullah Walls:** The walls on both sides of the nullah was also demanded by the community. As nullah wall is already included in the desing, the community was ensured that the wall will be constructed as per design.
 - iv. **Level of Plots:** Community wants the plots at the level of breast wall of KKH -01. They were convinced that the plots have been developed at the best available level.
 - v. **Sewerage Line:** The mud flood earlier this year caused sewerage line filled with the stones and mud. The community asked to remove the material and open the sewerage line. It was assured to them that the sewerage line will be cleared and technical assessment regarding its flow and leakage will be done.
 - vi. **Drainage of Rain Water:** Community was also concerned regarding the rain water drainage at the back of the site. ARE Infra told in a meeting that the drainage along the breast wall will be provided after technical assessment and requirmeent of the said drainage.
- A visit was conducted by the Advisor to Authority on R&R regarding the applications submitted by the community regarding their concerns on various issues.
 - i. Mr. Sher Ghazi (community member) submitted an application regarding the issue of some land near K4 tunnel. He demanded to construct the road instead of tunnel. The road will be more beneficial for the community according to his perspective.
 - ii. Another application was filed by the community regarding the damage to their houses due to blasting at the tailrace area. The contractor is working on access tunnel for tailrace area and there are some houses located at upper elevation which reportedly got some cracks due to blasting. The houses were inspected and it was observed that cracks were there. The community also raised their concerns about the disturbance caused by the late night blasts. It was told that the matter will be discussed with the concerned section for the remedial actions.

- iii. Another issue addressed by the PC&P during the visit was the dispute of water channel between Mr. Sher Ghazi and Mr. Aurangzeb near Kuz Chuchang Resettlement Site lower portion. The channel was disturbed due to construction of the house by Mr. Aslam and also the retaining wall of the said site. The applicant was told that the contractor will repair the damaged channel according to best possible solution.

Details of consultation meetings during the reporting period are given in Table below;

Table 7.6: Consultation Meetings Conducted Regarding Resettlement Site Development

Sr. No	Resettlement Site	Consultations Done (By Previous Month)	Consultations Done (During Reporting Month)	Remarks
1	Kuz Chuchang	16	01	- Identification of Water Source and land for Water Tank - Access Road Land Issue - Work Stoppage due damage of Water Channel
2	Khushi 2	21	01	- Construction of walls on both side of adjacent Nullah - Level of plots to be lowered to KKH – 01

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. After the announcement of Enhanced Self-Managed Relocation (ESMR) Package, new TRP cases has been stopped.

7.3.3 Public Consultation regarding Enhanced Self-Managed Relocation (SMR) Package

WAPDA announced to pay the Enhanced package for those AHHs who opts for Self-Managed Relocation on May 31, 2021. After this the majority of AHHs has revised their choice for either resettle on project Resettlement Site or to relocate on self-managed site. The Resettlement team is working intensively to prepare the files for each AHHs for initiate the payment procedure. PC & P team has extended its support to the Resettlement team in preparing the files by consulting the community to provide the required documents timely to excel the payment. Assistance is also provided to several groups of people from various villages regarding the different aspects of the ESMR Package.

7.3.4 Public Consultations Regarding Local Area Development Program

Consultation team also provides support for social assessments of the projects. Priority 1 schemes for LADP as and when required. The PC&P team has almost completed the consultation of Priority-1 schemes and started working on Priority 2 schemes. Consultation and Participation team conducted 30-35 consultations with communities regarding the policy briefing of LAD projects and the requirements from community.

7.3.5 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.

7.3.6 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 components of Batch 4 and Additional Land for different component.

7.4 Income and Livelihood Restoration

Key activities under Income and livelihood Restoration Section were carried out during the reporting month as 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 7.7: Status of Submitted Reports on Utilization of Compensation Money

Sr. No	Title	Village Name	Component Name	Status
1	Report on Perceptions of PAPs for Utilization of Compensation Money	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	
3		Uchar	1. Access Road Uchar	Submitted on June,2018
		Barseen	2. Access Road Barseen	
4		11 villages (Dassu 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 resettlement 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 Reservoir-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		

Sr. No	Title	Village Name	Component Name	Status
			2. Barseen Reservoir Area-2	Submitted on April,2022
			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

The survey of another component/village “Seer Gayal Village” is in progress.

Table 7.8: 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 then 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.

7.4.3 Other Major Activities carried out during the Month

The ILRP Team undertook following activities to support Resettlement Team

- A meeting was conducted with ADC regarding the SMR paid files. A total of 193 SMR paid files were received for scanning and preparation of duplicate files for DHC and WAPDA.
- Scanned ESMR files and prepared duplicate copies of 190 ESMR files collected from DC office.
- Attended meeting with Gender specialist to discuss health issues in district Kohistan. A plan for providing medical training to the females of remote areas to equip them for dealing with the female health issues was discussed in details.

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. One scheme “Solar Street Light at Komila and Dasu” was completed in July 2020; while three more schemes (Jalkot Bridge, Rehabilitation of Rural Health Center, and Jamia Mosque) were awarded in 2020-21 and are under construction. The Contact Agreement for “Rehabilitation and Improvement of Sanitation System for Komila and Dasu” was signed during the reporting month and execution of works are supposed to be started accordingly. The status of priority-I schemes by the end of the reporting month is as under;

Table 7.9: Status of Priority-I Schemes under LADP

Sr. No	ID	Scheme	Description of Scheme	Tentative Cost (Million PKR)	Status By July 2022
1	SP-1	Solar Street Lights at Komila and Dasu	Installation of Solar Street Lights at Komila and Dasu.	4.31	<ul style="list-style-type: none"> ➤ Installation of all 60 Poles completed in July, 2020 ➤ Completion Certificate issued on July 25, 2020. ➤ Payment Certified.
2	RB-14	Jalkot bridge	Design and Construction of New RCC Bridge at Jalkot Nullah	69.94	<ul style="list-style-type: none"> ➤ Construction Work started from January 01, 2021 ➤ Contractual completion was March 25, 2022 after EOT. ➤ Bridge Structure is completed. Completion certificate issued on April 18, 2022 ➤ Bridge is open for traffic
3	MI-1	Rural Health Center (RHC), Dasu	Repair and Rehabilitation of Rural Health Center (RHC), Dasu	107.70	<ul style="list-style-type: none"> ➤ Commencement letter issued on March 18, 2021 ➤ Contractual completion date is April, 2022 ➤ Rehabilitation work for possession area completed ➤ Installation of GI Sheets for all roofs completed ➤ Construction of boundary walls completed ➤ Sewerage work completed ➤ Rehab. work for Residential area is completed and handing over is in process ➤ Possession of new 04 buildings given on March 03, 2022 ➤ Rehabilitation of medical blocks in progress

Sr. No	ID	Scheme	Description of Scheme	Tentative Cost (Million PKR)	Status By July 2022
4	DW-1	Drinking water supply facilities for Komila, Dasu, Jalkot and Teyal	Design and Construction of Drinking Water Supply Facilities for these 4 towns, consisting of water intake, pipeline and distribution tanks	216.80	<ul style="list-style-type: none"> ➤ Bids opened on April 08, 2021 ➤ Bid Evaluation report submitted on May 05, 2021 ➤ Bids were annulled being unresponsive on July 06, 2021 ➤ Bids were annulled being unresponsive on July 06, 2021 ➤ Komila town is excluded from scheme due to water source issue on direction of DC Kohistan (U) on April 23, 2022 ➤ Revised Bidding Document and revised Cost Estimate resubmitted in August, 2022 ➤ Tentative commencement of project: December, 2022
5	MI-2	Reconstruction of Jamia Mosque Komila	Design and Reconstruction of Jamia Mosque at Komila	203.20	<ul style="list-style-type: none"> ➤ Commencement on August 31, 2021 ➤ Construction of retaining wall completed ➤ Pouring of GF and FF slab for Mosque completed ➤ Shuttering for GF Slab of Madrassa in progress ➤ Block masonry and Drainage works in progress
6	SA-1	Sanitation Sewerage Systems in Kamila and Dasu	Improvement of sewerage and sanitation facilities at Komila and Dasu towns	116.30	<ul style="list-style-type: none"> ➤ Contract signed on December 30, 2021. ➤ Commencement Letter issued on January 01, 2022. ➤ Detailed design submitted by Contractor and approved by Design Engineer ➤ Construction activities started in Dasu Town ➤ Social Issues due to illegal encroachments and hindrances in subject area scheme
7	SH-07-11	DASU-LADP-PKG-01, 05 Road Schemes,	RB-03: Seo Razika Road, RB-09: Dong Nulah Road, RB-13: DC Colony Road, RB-16: Access road for DHPP Affectees settling area at Jalkot, RB-18: Access road for Shahi Bagh Affectees	238.47	<ul style="list-style-type: none"> ➤ Contract Signed and Commencement on May 20, 2022 ➤ Survey work completed ➤ Construction drawings approved ➤ Shop drawings for DC colony approved. ➤ Work at Dung Nullah Road is stopped due to social issues

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). Following major activities were carried out during the reporting month;

- i. The case for the purchase of two ambulances for health department Kohistan (upper) has approved by the Authority in its meeting held on November 18, 2021. Total Budget is 20 Million PKR and tentative date of completion is March 2022. The Tendering is under process. Procurement is in final Stage with contract section of Dasu HPP.
- 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. The Gender Specialist reviewed the already developed Skill Development Proposal and incorporated some missing features in order to make the project effective and practical, keeping in view the women interest. The proposal was rationalized according to number of participants for the training and the duration of the training was also increased to provide women more time for learning and practice. The proposal and the cost estimates were revised too in order to make this pilot phase a success. The proposed training is expected to provide a foundation to build other interventions on to promote women active participation and improved access to opportunities in a highly strict and conservative environment. Results of this pilot phase will be measured and on that basis the training will be replicated in other villages.
- iv. Revised Skill Development Proposal on Vocational Training Center is approved; selection of teacher is under process. Banner for the activity is finalized and ready for printing and process for the purchase of items is also started.
- v. Gender Awareness and Sensitization Handbook to be used in upcoming workshops is reviewed 3rd time and updated accordingly. Participants' handbook for Gender Mainstreaming into Project Cycle is reviewed and amendments are made. This document will be used for the workshop for mid-level managers. Review of upcoming follow-up workshops is developed and ready to use.
- vi. Two coaching sessions with two religious leaders are conducted. These Religious Leaders made commitments to support identification for potential female for two and half years 'Lady

Health Workers' (LHV) Course with Provincial Health Services Academy. They also ensured their support to facilitate the communities to allow their women for this long and out-station course. The Religious leaders are also supporting to identify and ensure the participation of other Religious Leaders' in their various trainings and events.

- vii. Proposal and material for the first Follow-up Workshop is approved and the workshop is planned in the 2nd week of August.
- viii. Gradual and informal coaching sessions with local staff members is a continue process and are based on thought provoking and sensitizing them for women and girls' issues in their families and their respective communities. Staff members are also getting aware on women and men rather society issues towards' women participation and their restricted mobility'. They have started realizing that they are not moving towards a balanced development. They have realized the importance of women and girls education and helping identification of potential avenues and preparing their communities for the implementation of activities at their village level. Coaching sessions' dialogues are based on the women needs' identified during field visits.
- ix. To provide health services to vulnerable women groups at local level and to enable women for self-employment a 'Leady Health Visitors Course' for Upper Kohistan women has been conceptualized and ground work is in initial stages. Due to non-availability of women or girls' with required qualifications for this long time outstation course. In this scenario a process for the relaxation of criteria of LHV Course for Kohistan has been initiated and a formal Request has been sent to Controller of Nursing Examination, Peshawar, KPK for further process of approval to Pakistan Nursing Council.

7.7 Implementation of Communication Plan

Following major activities were carried out during the reporting month

- i. Public dealing in the Public Information Centre and sharing information regarding Dasu HPP with local community and general public (continuous activity).
- ii. Distribution of already published information material among the affected communities and general public in the project area (continuous activity).
- iii. Worked with MIS Specialist on redesigning of web portal.
- iv. Updating & uploading data taken from other sections on Web Portal on regular basis (continuous activity).
- v. Process for starting pick and drop facility to school going children on nine more routes in project area upon community request was completed in coordination with District Administration and Education Department.
- vi. Preparation of Content for Digital Display Screen (continuous activity).
- vii. Contents collection for 4rd volume of Project Newsletter "Lash Galash" is in the process.
- viii. Coverage of Project activities for information of all stakeholders through social media pages of Dasu HPP and website (continuous activity).
- ix. Coordination with NADRA Pakistan started for activation of family tree feature in the already installed Verisys system in o/o DG(SS) for SMR.

7.8 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.

7.9 Migration Management

The In-migrant Management Specialist of DHC resigned and left the job during February 2022. Major activities related to In-migration Management were carried out by the Assistant Director In-migrant Management during the reporting month (June, 2022). 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. Based on the workforce data received from various contractors and other organizations a total of 3,292 workers / staff were estimated. Out of total (3,292); 1,851 (56%) were locals, 977 (30%) were non-local national, while 443 (14%) were foreigners. A total of 21 females were working in the project during the reporting month which is 1 percent of the whole workforce.

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 854 security personals have been engaged for DHPP during the reporting quarter as mentioned in table. (27 Persons from regular FC are not included in list).

7.9.1 Inspection of Camps

The IMM Team visited CGGC and CCECC camps during the reporting month. The observations noted are given below.

Table 7.10: Observations noted during the Contractors' Camps Inspection

Sr. No.	Observations	Status By May2022	Status During Reporting Month	Remarks
1	HR Policies	Not Finalized	Not Finalized	HR policies is yet to be finalized. HR policies have been reviewed and sent to WAPDA for finalization.
2	Employees List / Workforce Data	Contractor of visited camp is yet to be shared its workforce list	Contractor of visited camp has been submitted employee's lists till August which has been up loaded in excel and put in queue for further submission in MIS.	In January, sharing of attendance and strength of workforce was carried out on daily basis due to COVID-19 precautions and month wise data were also collected and updated in excel.
3	Contract Letters	Provided to Permanent staff member but not to labor so in this regard a specimen/template has been designed and sent to contractors for its implementation especially for the daily wagers.	Contractors was advised to incorporate positively and share the progress without any further delay.	Contractors were directed in writing to provide the provisional Employment Letter to daily wagers on prior basis and share the progress without any further delay.
4	Housing and Accommodation	Better than before but not fully furnished as per contract.	CGGC (Barseen): TOTAL BLOCKS: 16 For Local and National: 4 Blocks. For FC: 3 Blocks Remaining blocks are for office administration and accommodation of Chinese. For FC: 3 rooms, For Police: 3 rooms, Mess: 1, Dining Room: 1, Kitchen: 2, Office Hall: 1, (Consist of 3 rooms), Meeting Hall: 1 Store Rooms: 8.	(There are total 16 prefabricated blocks in CGGC Barseen camp, each block consists of double story 20 rooms with attached baths. Capacity of each room is 4 persons per room. Room is 2 to 4 persons per room.
5	Food Security	Satisfactory	Totally there are four separate kitchens. Two kitchens are for Pakistani labor and management staff while two kitchens are for Chinese labor and management staff. Standard of the food is satisfactory in all mess.	Contractor staff at camp was informed verbally regarding minor deficiencies.
6	Labor and Workforce Management	Satisfactory	Satisfactory	In CGGC labor is working directly under contractor while in PCCCL and KGL labor is working under different subcontractors. Subcontractors are responsible for their wages and hiring firing procedure as per Pakistan Labor Law.
7	Law and Order Security Issue	Satisfactory	Satisfactory	In visited camp FC was deployed for security.
8	Health and Safety	Satisfactory	Satisfactory	Doctors and other medical facilities were available in Camp.

7.10 Downstream Fisheries Impact Management

- The DIM Team now preparing the work plan based on the recommendation given in the updated Socio-economic Baseline Report to mitigate the adverse impacts of the project.
- The revised proposal on the "Entrepreneurship Program for Fisheries Business Development" is under internal review.
- The team also worked on the proposal of forestry management plan of the ecology section under Environment for preparing a draft proposal.

7.11 Internal Monitoring and Evaluation (M&E)

The M&E Team is involved in data management, monitoring of compensation payments & temporary relocation payments, supporting MIS development work on daily basis, and preparation of monthly progress reports of M&E Section. Following major tasks were carried out during the reporting month.

7.11.1 Monitoring of Compensation Payment Process at DK Branch in DC Office

At the end of reporting month, a total amount of PKR 18.82 billion was paid. During July 2022, an amount of PKR 24,973,772/- was paid as compensation payment to 7 PAPs of 03 components. A total of 07 cheques were issued by DC office during the reporting month. Details are given in Section 7.1.2, above.

7.11.2 Monitoring of Compensation Payment Process for Land Leasing of Kass Area

During July 2022, a total amount of PKR 41,503,337/- was released by WAPDA office to 11 PAPs through 12 cheques. At the end of reporting month, a total amount of PKR 543.3/- million was paid to the PAPs as lease, compensation for built-up properties and trees.

S. No.	Components	Status upto Previous Month			Status during Reporting Month			Grand Total
		# of PAPs	# of CHQ	Amount	# of PAPs	# of CHQ	Amount	
1	Kass Disposal Area-01 (File-01)	62	96	136,970,565	2	3	10,469,297	147,439,862
2	Kass Disposal Area-01 (File-02)	28	67	115,372,658	0	0	-	115,372,658
3	Kass Disposal Area-01 (File-03)	43	63	78,587,887	9	9	31,034,040	109,621,927
4	Kass Disposal Area-02	112	278	175,834,389	0	0	-	175,834,389
	Total	245	504	506,765,499	11	12	41,503,337	548,268,836

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

At the end of May 2022, a total amount of PKR 76,159,875/- paid as TRP to 208 RVs (PKR 65,305,000/-) and 86 self-opted (PKR 10,854,875/-) 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, 04 cheques were issued to 04 AHHs from Khushi Dumping, KKH-01 (ROW) and RAR-01 (ROW) components, a total amount of PKR 540,000/- was paid during the reporting month. M&E team updated summary tables for reporting. Details are given in Section 7.2.3, above.

7.11.4 Accounts Adjustment Submissions to WAPDA

Preparation and submission of summaries and supporting documents for Accounts Adjustment remained in progress. M&E Team reviewed all documents against summary sheets prepared during December and removed deficiencies for final review by WAPDA team.

S. No.	Components	Status by May 2022	Status during Jun 2022	Grand Total
		Amount	Amount	Amount
1	Final Summaries Submitted to WAPDA	16,864,016,575	0	16,864,016,575
2	Preparation of Summaries and Supporting Booklets	16,994,495,662	0	16,994,495,662

7.11.5 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 10,345 (93% of total cheques/Qabzul Wasools) have been entered in MIS. Data entry of remaining Qabzul Wasools is in progress, a backlog of 866 Qabzul Wasools recorded by end of the reporting period.
- Total 68 SMR cheques issued to AHHs by July 31 2022 were entered in MS Excel Database.
- TRP cheques issue to 04 AHHs during 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	31,337	500
2	Compensation Payment Entry in MIS	10,345	0
3	Lease Payment Data Entry in MS Excel Database	504	12
4	PAPs Documents Uploading in MIS	23,111	0
5	TRP Cheques Entry in MIS	1160	0
6	SMR Cheques Entry in MIS	193	68

7.12 Development of Management Information System

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

7.12.1 Environment Module

During the month under reporting, requirements for EMAPs platform and Ecology module were discussed, reviewed and analyzed. The EMAPs will contain three main systems which are Physical Environment, Ecology and OHS and each module will have its own login and accessing areas, input modules and reports but all three modules be integrated with each other to meet the project requirements

Following modules were developed/up-graded during the reporting period

- EMAPs Platform was analyzed
- Ecology modules and sub modules were identified
- Ecology Monitoring System was analyzed
- EMAPs Platform's Security Features were analyzed
- Understanding of Ecology mentioned in Biodiversity Activities

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 June 2022	Progress during July 2022	Remarks
> Land Acquisition and Compensation Payment (LA & CP)				
1	Land Acquired (Acres)	4,629	00	Total land acquired 4,629 acres (92% of the total land)
2	Number of PAPs Compensated	7,177	315	Total PAPs compensated 7,177
3	Compensation Paid (M. Rs)	18703.49	24.97	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)	182	00	GIS Verification of KKH-02 has almost been completed while few components of KKH-01 are remaining
5	GIS Verification Completed (Area of Components in Acres)	5,315.40	00	
> Resettlement & Relocation (R&R)				
1	Number of Resettlement Sites Completed	02	-	Chuchang-1 (Add Block) and Uchar-1 were completed in November 2020
2	Number of HHs relocated to completed sites	-	-	Defective work in progress
3	Number of HHs received TRP relocating to RVs	208	16	TRP payments of Khushi to Logro, Khushi Dumping, Khushi Access Road Component. TRP was mainly paid to HHs moving to RVs
4	Number of HHs received TRP relocating on SMR	86	-	
5	Total TRP Paid to HHs relocating to RVs (M. Rs)	58.4	1.76	Total TRP paid by reporting month = Rs. 61.18 Million
6	Total TRP Paid to HHs relocating on SMR (M. Rs)	4.15	-	Total TRP paid by reporting months = Rs. 4.15 Million
7	Amount of Allowances Paid to HHs relocating on SMR (M. Rs)	6.70	-	Shifting Allowance, Reconstruction Allowance, Special SMR Allowance, Vulnerability Allowance
8	Number of Commercial Structures Relocated	43	11	Remaining cheques of workers of 11 CS in Barseen were paid
9	Amount of Allowances Paid to Owners of Commercial Structures (M. Rs)	3.89	3.92	Including dislocation, Shifting and Covered Area Allowance per square meter
12	Total TRP & Allowances Paid (M. Rs)	71.03	1.26	
13	Total Budget for TRP Payment (M. Rs)	225	225	
14	Budget Utilized for TRP Payment (%)	69.184	1.845	By the end of May 2022, a total of Rs. 72.23 Million have been consumed About 32% of Total TRP Budget
10	Total Cost of RV Construction (LBRV-11, LBRV-12 and Dasu RV)- On-going Contracts (M. Rs)	3,163	3,163	
11	Cost utilized for RV construction of (LBRV-11, LBRV-12 and Dasu RV) (M. Rs)	833	-	About 26.34 percent of total awarded Budget of RVs has been utilized / certified by January 2022
> Public Consultation and Participation (PC&P)				
1	Number of Consultation Meetings Conducted	772	03	Various meetings were conducted regarding ESMR Package.

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Sr. No	Key Performance Indicator (KPI)	Status by June 2022	Progress during July 2022	Remarks	
2	Percent issues / disputes resolved	90	84	The resolution of remaining issues in progress	
3	Percentage of PAPs participating in consultation meetings	85	79	% PAPs from related villages presented during the meetings	
4	Percentage of their suggestions taken into account	81	88	The suggestions regarding design changes are sometimes difficult to accommodate	
> Income and Livelihood Restoration Program (ILRP)					
1	Number of UCM components Completed & submitted	11	1	12 reports prepared & submitted to WAPDA.	
2	Number of UCM components (survey completed and reports in progress)	--	1	Sluch survey completed and report is 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	10	---	10 vocational/capacity building trainings conducted in different trades	
6	Number of Local Youth Benefited from Trainings	228	--	Batch 1,2,3&4	45 Youth
				5 th & 6 th batch	37 Youth
				7 th batch	26 Youth
				8 th batch	86 Youth
				Fisheries (7days)	24 Youth
				Journalist (10 days)	10 Journalists
> Local Area Development Program (LADP)					
1	Total Number of Schemes Identified	40	40	Total schemes revised & finalized by WAPDA so far	
2	Number of Schemes Completed	01	--	Solar Street Light Scheme completed in July 2020	
3	Number of Schemes under construction	04	04	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	03	03	120 Solar Lights, Computer Labs Equipment and Solar System for Computer Labs	
7	Number of Schemes for which Design has been Completed & under Review	05	05		
8	Number of Schemes for which feasibility has been Completed & under Review	07	07		
9	Number of Schemes under Feasibility & Design Process	15	15		
10	Schemes where Design not started yet	06	06		
11	Schemes Cancelled	04	04		
12	Percent LADP Budget Utilized	5.97	5.97		
> Public Health Implementation Plan (PHIP)					
1	Number of Medical Camps Organized	09	09	Nine medical camps organized from February 2017 to April 2022	
2	Number of Males Treated	3,227	3,227		
3	Number of Females Treated	4,056	4,056	Total patients treated in 9 medical camps	
4	Number of Children Treated	3,854	3,854		
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	1500		
9	Percent Budget Utilized (Million Rs)	1.46	0.35		
> Gender Implementation Plan (GIP)					
1	Number of Gender Core Workgroup Program (GCWP) Quarterly Meetings Conducted	02		Discussion has been made with WAPDA to plan after establishment of concrete activities Expected to be conducted in September 2022	
2	Number of Gender Sensitization Sessions Conducted with CGBT / WVCs	04	02	2 sessions held in 2 villages with women and children. Seven sessions held in 7 villages i.e. Kaega, Rango, Sach Seo, Shityal (2), Lachi Nala and Kodgal (kanya) with women and children and some men.	

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Sr. No	Key Performance Indicator (KPI)	Status by June 2022	Progress during July 2022	Remarks
3	Number of Gender Sensitization Sessions Conducted with Various Target Groups (PMU, DHC, Contractor, and other stakeholders)	03	02	Informal coaching sessions on need based are found highly important and useful. These had served the change in their thinking, attitude and practice in a gender sensitive context. This is a continue approach used as and when required in various situations arose.
4	Number of VTCs established	01	00	In Consultation with DHU and PMU Management duration, technical and budgetary allocations have been reviewed 5 th time responding to some observations and comments by WAPDA, All efforts have been made to make this pilot phase a real success, so that other interventions are built on this activity effectively.
5	Number of GIP Information Centers Identified	01	06	
6	Number of GIP Information Centers Established	-	-	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	00	In this regard 2 sessions were conducted with two villages and mothers and children were exposed to health and hygiene practices.
8	Number of Project Staff (including Contractor's staff) Benefited from sensitization trainings	75	5	DHC staff members (5) are benefitted through a group coaching session and got clarity on the basic gender concepts. One basic gender concepts session with Administration team has been conducted and various myths have been addressed in this coaching session.
9	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	02	00	Next Visit of third batch is Planned in month of July / August. List of potential Religious Leaders is in progress. A draft list has been provided by two religious leaders. Proposal for Ulemmas' follow-up workshop is approved. And the activity is planned during 2 nd week of August. Agenda, design and material is developed. List of proposed ulema is prepared.
10	Number of Ulemas Benefited	51	00	Two Ulemmas individual coaching sessions have helped draft a list of other religious leaders in Kohistan Upper.
11	Percent of women using health facilities in project area	25		Figure is updated from the field experience, in Shityal, where a private lady doctor has started her clinic and women are easily accessing the health services.
12	Percent of women engaged in Income Generating Activities in the Project Area	30		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	2,492	3,292	Workforce data includes staff (including labor) of all contractors, DHC, and WAPDA
2	Local Staff working on DHPP	1,243	1,851	
3	Non-local Staff working on DHPP	887	977	
4	Foreigner Staff working on DHPP	362	464	
5	Number of Awareness Sessions on CoC Conducted with Community	26	01	One awareness session has been conducted with community during the reporting month.
6	Number of Total Participants in Community Awareness Sessions	404	15	
7	Number of Awareness Sessions on CoC Conducted with Labor	54	01	Two awareness session has been conducted during the reporting month

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Sr. No	Key Performance Indicator (KPI)	Status by June 2022	Progress during July 2022	Remarks
				with the labor and staff of CGICOP and PCCCL.
8	Number of Total Participants in Labor Awareness Sessions	1,066	11	
9	Number of visits for Camp Inspection	77	01	Continuous activity. By January 2022 various contractors' camps were visited 77 times to monitor the compliance. In January 2022, one camp was visited; M/s CGGC Barseen.
> 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	82	01	All project events including important meetings, ceremonies, exposure visits, and other events
> Grievances Redress Plan (GRP)				
1	Number of Grievances / Complaints Received	350	350	Complaints received since 2015
2	Number of grievances / complaints redressed / resolved	347	347	Total 308 grievances resolved by December 2021
3	Percent of grievances / complaints redressed / resolved	99	99	
4	Number of New Complaints received	03	01	
5	Number of grievances / complaints under process of resolution	03	04	
6	Number of grievances stand unresolved	02	02–	
7	Number of IGRC Meetings conducted	02	–	
> Downstream Impact Management Plan of Fishing Communities (DIMP)				
1	MoU signed with the Provincial Fisheries Department	Under Process	Under Process	MoM of last meeting with Fisheries Deptt are under discussion
2	Updating of Baseline Survey Started	Draft Report Completed	Final Report Completed	The Consultancy will be completed in April 2022
3	Number of IEC Material (Brochures / Pamphlets) prepared printed & distributed	–	–	Reviewed by Communication section, shared with Fisheries Deptt; KPK for technical review and will be published soon
4	Number of Awareness Sessions conducted with Community	–	–	Awareness sessions regarding illegal fish catch and conserving local fish will be carried out through Fisheries Department after MoU
5	Number of Awareness Sessions conducted in Schools / Colleges	–	–	
> Internal Monitoring and Evaluation(M&E)				
1	Preparation of Compensation Payment Summaries for WAPDA Submission (Rs. Billion)	18.48	0.02	
2	Submissions of Compensation Payment Summaries to WAPDA for Adjustment (Rs. Billion)	16.86	0	
3	PAPs Documents Organization (Number)	31,337	500	
4	PAPs Documents Uploading in MIS (Number)	23,111	0	

Sr. No	Key Performance Indicator (KPI)	Status by June 2022	Progress during July 2022	Remarks
5	Development and Operationalization of MIS Developed Modules	9	0	
6	Number of Internal M&E (SRMP & EMAP) Reports Submitted	11	0	
7	Lease Payment (Amount in Million)	506.77	41.5	
8	Lease Payment Data Entry in MS Excel Database	504	12	
> Development of Management Information System (MIS)				
1	Total Modules to be Developed	18	18	Detail is given in MIS Section
2	Number of Modules Completed	09	09	Land Acquisition, Resettlement, IGRC, LADP, IMM,PH, Reporting System, Web Portal, Lease
3	Number of Modules Partially Completed	01	01	Environment
4	Number of Modules in Progress / Up-grades	01	02	Environment Reporting system & Ecology
5	Number of Remaining Modules (Development yet to be started)	6	6	GIP, PC&P, DFIM, OH&S, Communication, M&E
6	MIS Development Work Completed (%)	73.5	74	

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 84% 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 Activity	Melar, Kotgal, Sluch and Nutbail
2	Collection of document from Community for ESMR Files	Continuous Activity	
3	Monitoring of under construction resettlement sites	Continuous Activity	Visit to all ongoing site will be carried during the month
4	Preparation of TRP files and Distribution of TRP Cheque	Continuous Activity	Payment to the beneficiaries who already receiving the TRP
5	Matching AHHs data of remaining villages with GIS Verified record.	Continuous Activity	GIS verification of some villages is awaited.
6	Other Key Activities(Letter, meetings with WAPDA, Contractor and stakeholders)	Continuous Activity	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	Survey in progress	Assessment will be start in August,2022 on right bank
4	Working with resettlement team regarding SMR files	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	
> Public Health Implementation Plan (PHIP)			

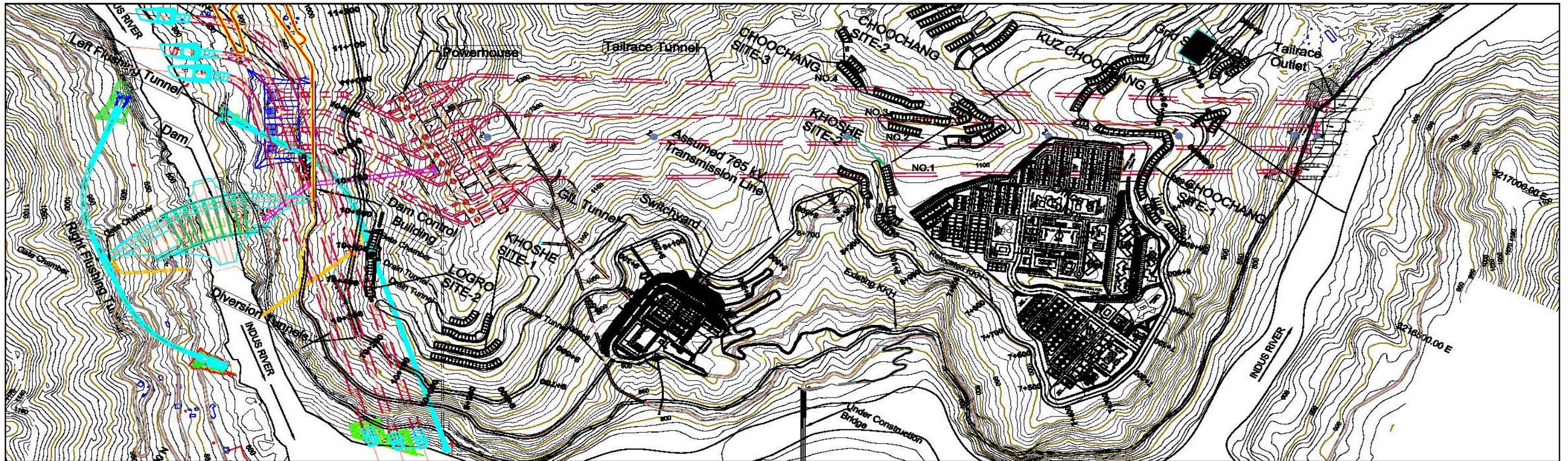
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Sr. No	Activity	Timeline	Status / Remarks
1	Finalization of PH schemes (under PHIP) in consultation with Provincial Health Department	Delayed In progress	List of priority PH schemes have been finalized for implementation
2	Procurement of 02 well equipped Ambulances to be handed over to Health Department Kohistan (Upper)	Delayed	Under Process
3	Holding Medical Camps	Continuous	The planning of next medical camp in June 2022 in progress
> Gender Implementation Plan (GIP)			
1	Third Meeting of Gender Core Workgroup	Process will be initiated in August for the 3 rd meeting	Discussions have been made with WAPDA and a letter was also issued to WAPDA, it was observed and advised to plan this high profile meeting once we have some concrete interventions.
2	Visit to Kuz Chuchang site for Establishment of VTC for a group of 25 Women.	2nd Week of August	Pilot Phase Training center in Kuz Chuchang Village will be started in August as the observations/ comments by WAPDA office are addressed by DHU Project and revised proposal is approved. Process of teacher identification is in progress. Request for the course is coming from other villages as well and this activity is creating much acceptance in the communities by women, men, girls etc.
3	Follow-Up sessions with Ulema, who received trainings from International Islamic University Islamabad	2nd Week of August	Proposal is approved and a follow-up workshop with religious leaders is planned in 2 nd Week of August, 2022. Engaging the Ulema through a process oriented approach for their continue role in mobilizing communities from an Islamic Perspective will lead to translate the theory into practice, with a progress tracking and action planning methodology and tools.
4	Gender Sensitization Session With CBGT/ WVCs in selected Villages	Last Week of August	Awareness sessions with women group in Kuz Chuchang and Rango villages will be conducted
5	Gender Sensitization session held with Various Target Group (PMU, DHC, Contractor and other Stakeholders)	last week of August to 1 st week of September	Development of Gender Awareness and Sensitization module will be Printed And session will be conducted in August-September
6	Preparation of Implementing Plan on SH&HP for further villages and follow ups with the existing villages	1 st week of September	As the Schools of Project area are closed for summer vocations, The activity will be conducted with mothers and children in the communities.
7	Implementation on EPP Plan will be decided in GCW Meeting	-	-
8	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	Preparations for 3 rd group of Ulemas will be finalized during the month of August	3 rd . batch of Ulemas will be identified and finalized for a week residential training session at Islamic University Islamabad In August and September.
> In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)			
1	Collection of workforce data and entry in MIS	Continuous activity	Workforce data of March will be organized and entered into MIS by April, 2022
2	Awareness Sessions with Labor	Continuous activity	3 Awareness Session will be conducted with labor at RAR-01 andKKH-01 and MW-02.
3	Awareness Sessions with Community	Continuous activity	New IMM Specialist will join soon
4	Camp Inspection	Continuous activity	CCECC Uchhaar & CGGC Pakistan Labor Camp Uchaar camp will be visited during February, 2022.
> Communication Plan (CP)			
1	Review, finalization, printing and distribution of 3 rd newsletter	Delayed	3 rd and 4 th newsletters are under preparation. Not achieved within planned time
2	Editing & finalization of baseline documentary		A separate contract with the media house for editing of documentary is in progress
3	Installation of Digital display screen (SMD) in project area.		Completed & installed. Further working to display information
4	Management of Web Portal		Updating of web portal design and uploading of most recent information in progress
5	Media Coverage of DHPP Events	Continuous	Coverage of major DHPP events on social media and press releases
> 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

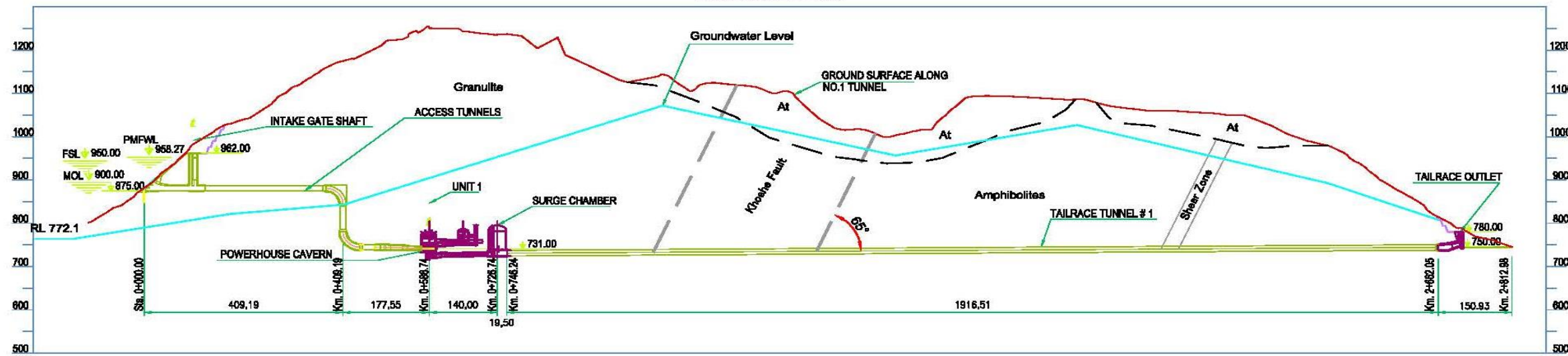
Dasu Hydropower Project
Monthly Progress Report No. 96 (July 2022)

Sr. No	Activity	Timeline	Status / Remarks
4	Preparation of updated reports	Continuous	Report for next month will be prepared
➤ Downstream Impact Management Plan of Fishing Communities (DIMP)			
1	Baseline Socio-Economic Study	April 2022	The report has been finalized and submitted by the Consultant during April 2022
2	Follow-up with Provincial Fisheries Department to finalize MoU for signing	Delayed	MoU not yet finalized and being followed up with Fisheries Department.
3	Publishing of Booklet on "Importance of Fisheries and Cultivable Fish"	Delayed	Under review process with Fisheries Department, KPK.
4	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	03-08-2022	
2	Preparation of Compensation Payment Summaries/Submissions	31-08-2022	
3	PAPs documents uploading	Continuous	
4	Support in Development of MIS	Continuous	
5	Compensation and TRP Payments	Continuous	
6	Verification and preparation of files for SMR Package	Continuous	
7	Preparation and Review of ESMR Files	Continuous	
➤ Development of Management Information System (MIS)			
1	Final Design and development of Ecology input module	August 2022	Design and development of Ecology part of EMAPs System to be finalized
2	Design of EMAPs Platform	August 2022	Design of EMAPs platform to be finalized.
3	Technical Support / development of new features in existing modules if required	August 2022	Maintenance of developed and operational modules. It can include improvements in existing systems, addition of new features in existing modules as per requirements

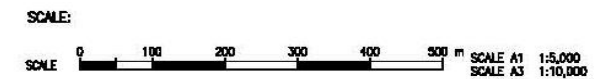
FIGURES



LAYOUT PLAN



WATERWAY PROFILE



DASU HYDROPOWER PROJECT
 PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY-WAPDA

CONSTRUCTION DRAWING FOR No.DASU-MW-01 Dam and Appurtenant Structures

DRAWING TITLE: **GENERAL LAYOUT PLAN & PROFILE**

DASU HYDROPOWER CONSULTANTS DATE: 03 OCT 2018
 DRAWING No. 111-003

JOINT VENTURE OF NIPPON KOGYO CO., LTD. and DOLBY ENGINEERING LIMITED
 In Association with DEVELOPMENT & MANAGEMENT CONSULTANTS, NATIONAL DEVELOPMENT CONSULTANTS LTD. and PAKISTAN ENGINEERING SERVICES LTD.

Rev. No.	DATE	REVISION	Appr.
Prepared		Reviewed	Approved
Name: Kawagoe Toshio		Name: Nishimiyu Hironobu	Name: Iijima Motohiko

Figure 1: Layout Plan & Waterway Profile

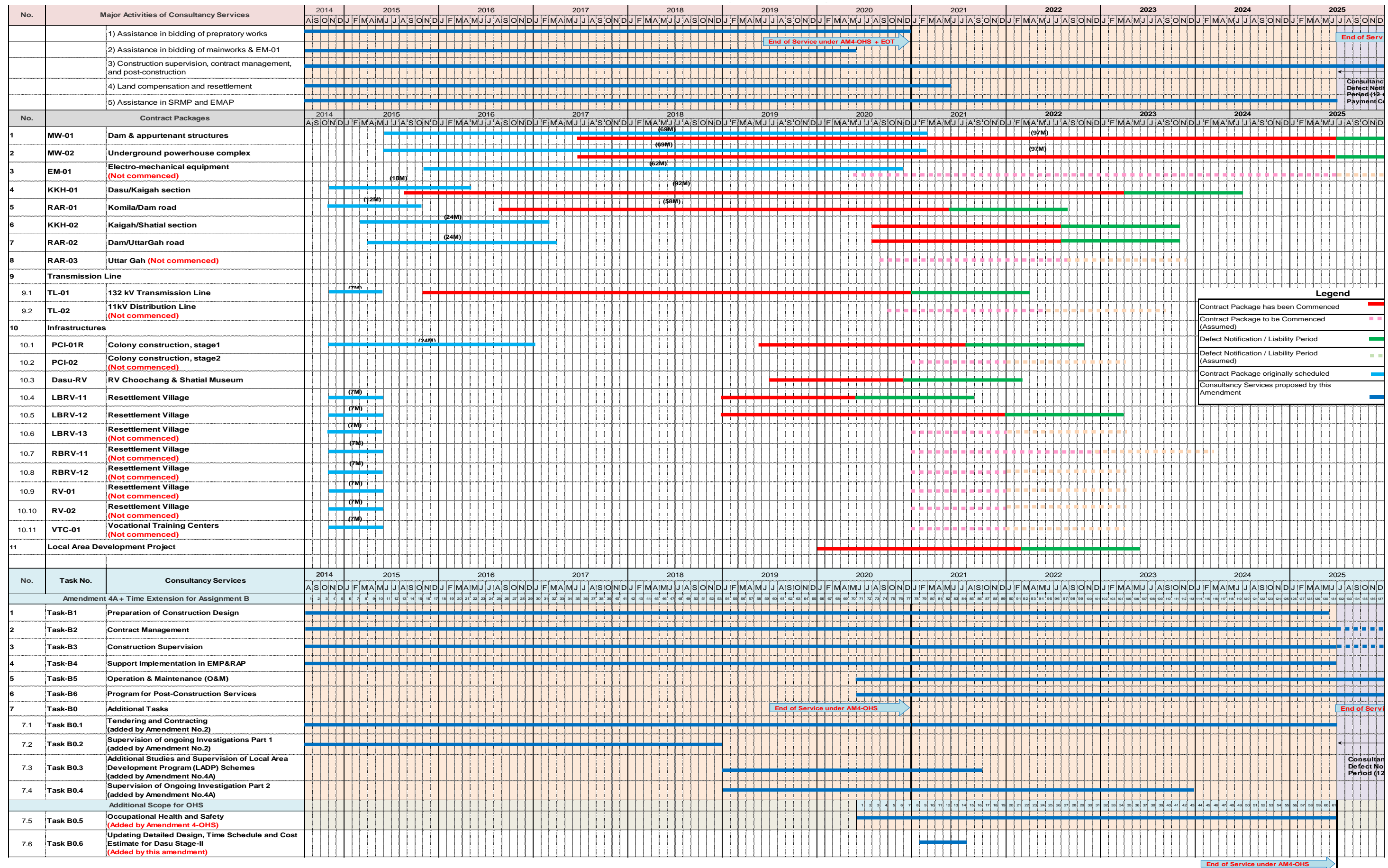


Figure 2: Implementation Schedule

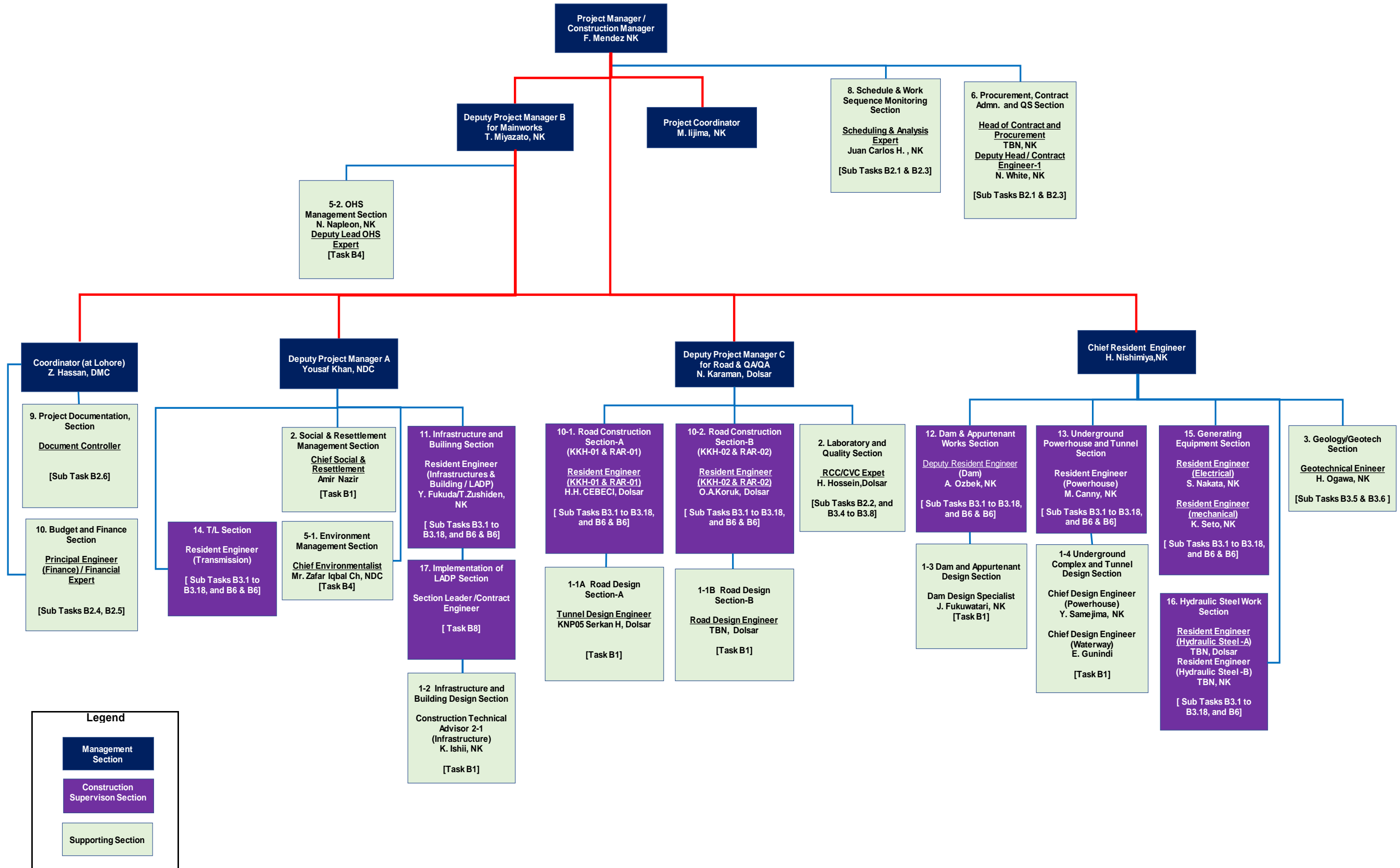
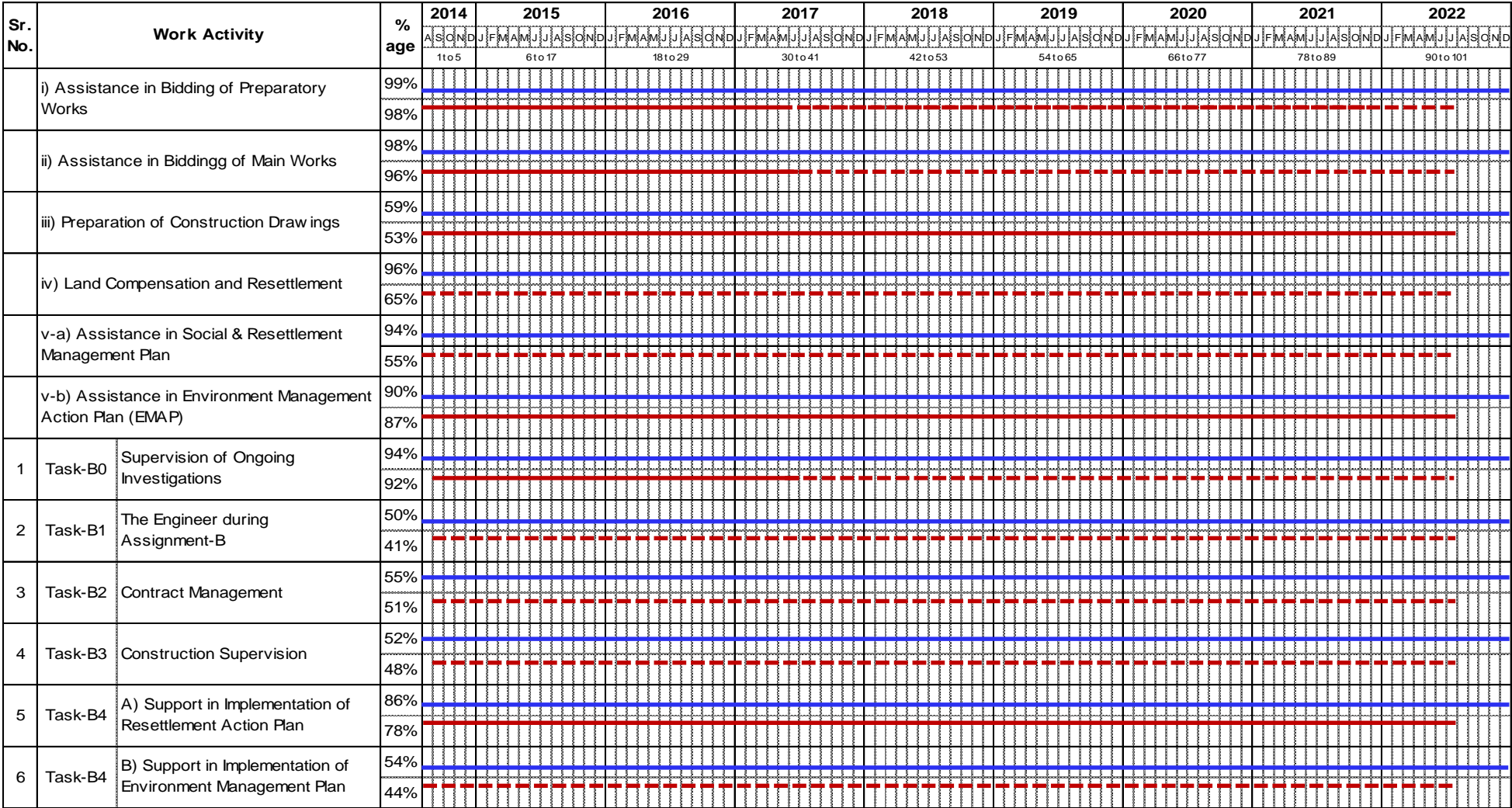


Figure 3: Organization for Consultant Team of Dasu Hydropower Project for Assignment-B

Figure 4 [1/1]

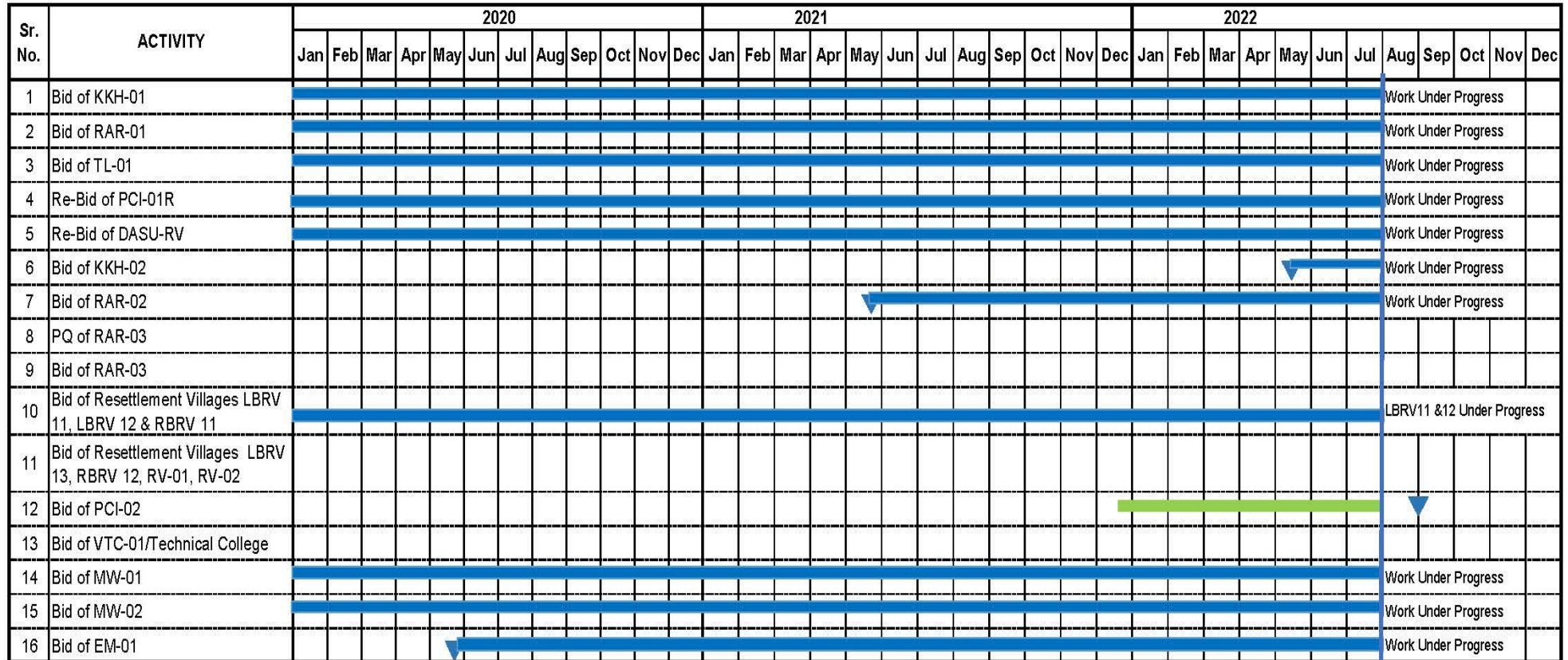
Work Progress Upto Reporting Month



SCHEDULE —
PROGRESS - - -

Figure 4: Work Progress

DASU CONTRACTS PROCUREMENT SCHEDULE (July, 2022)



Legends

- PQ Application Period
- PQ Evaluation
- Bid Period
- Bid Evaluation
- WAPDA/WB Approvals
- Negotiations and Award of Contract
- Revision/Preparation of Documents
- Commencement Issued & Work in Progress
- Commencement

Figure 5: Contracts Procurement Schedule

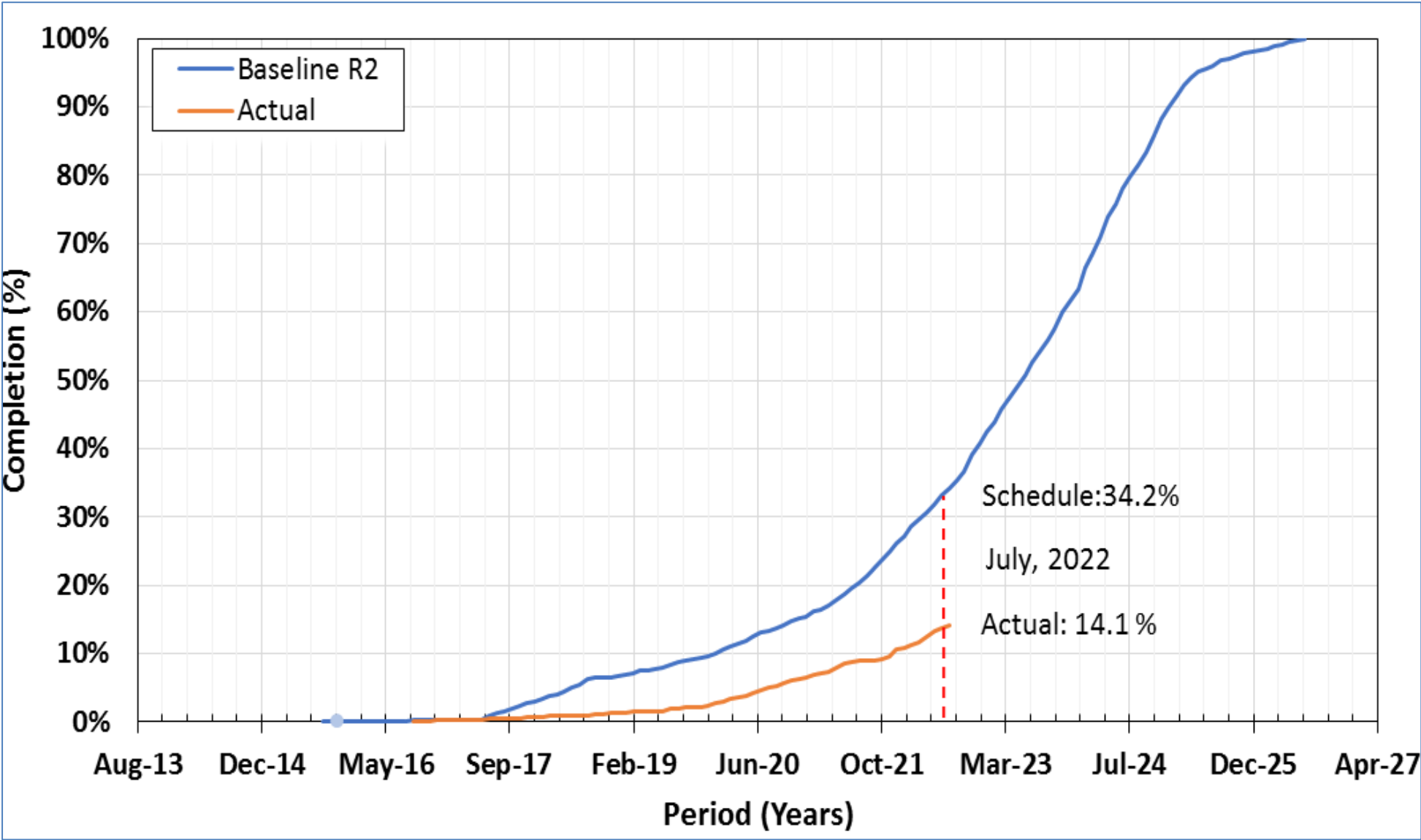


Figure 6: Dasu HPP Overall Progress (Physical Progress)

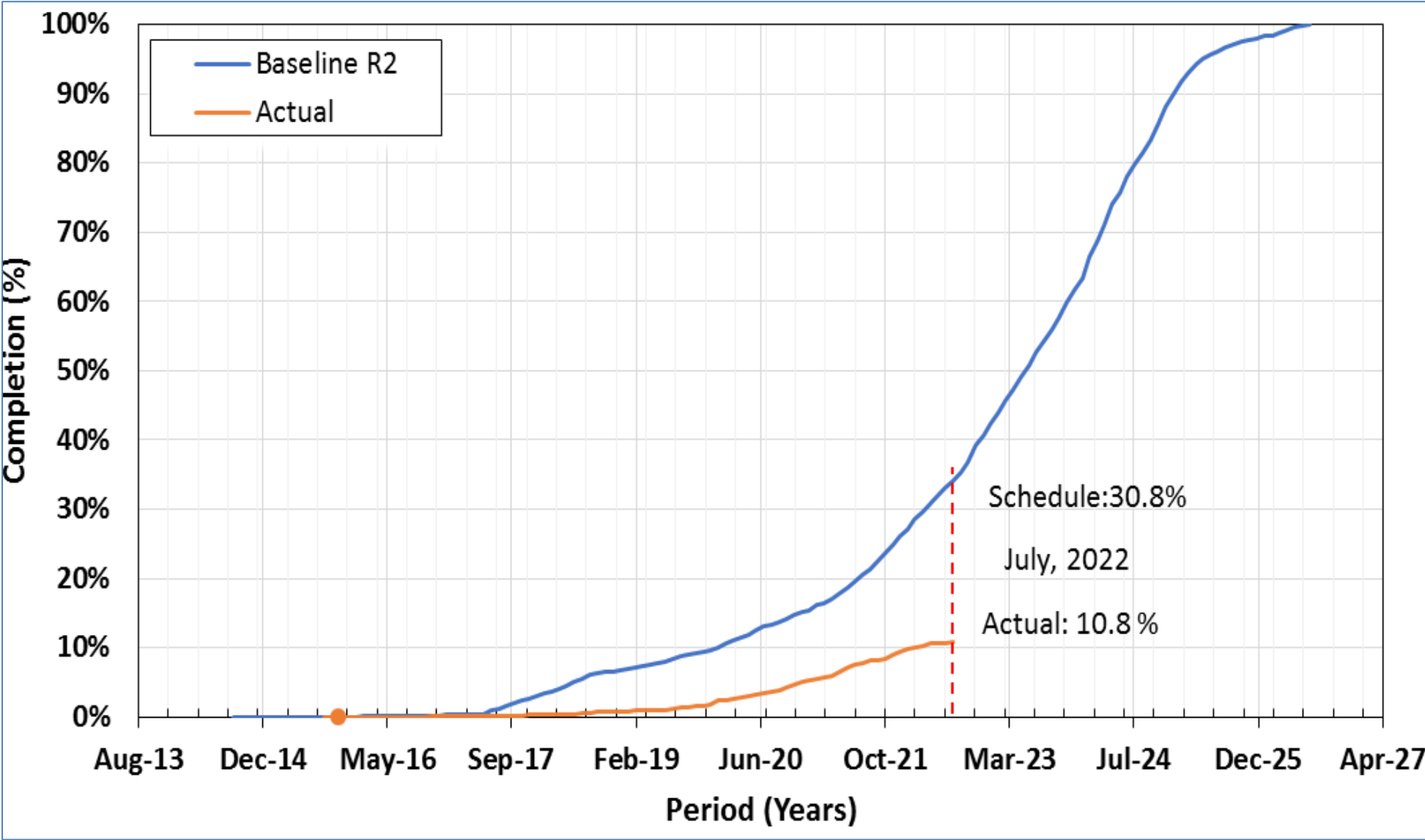
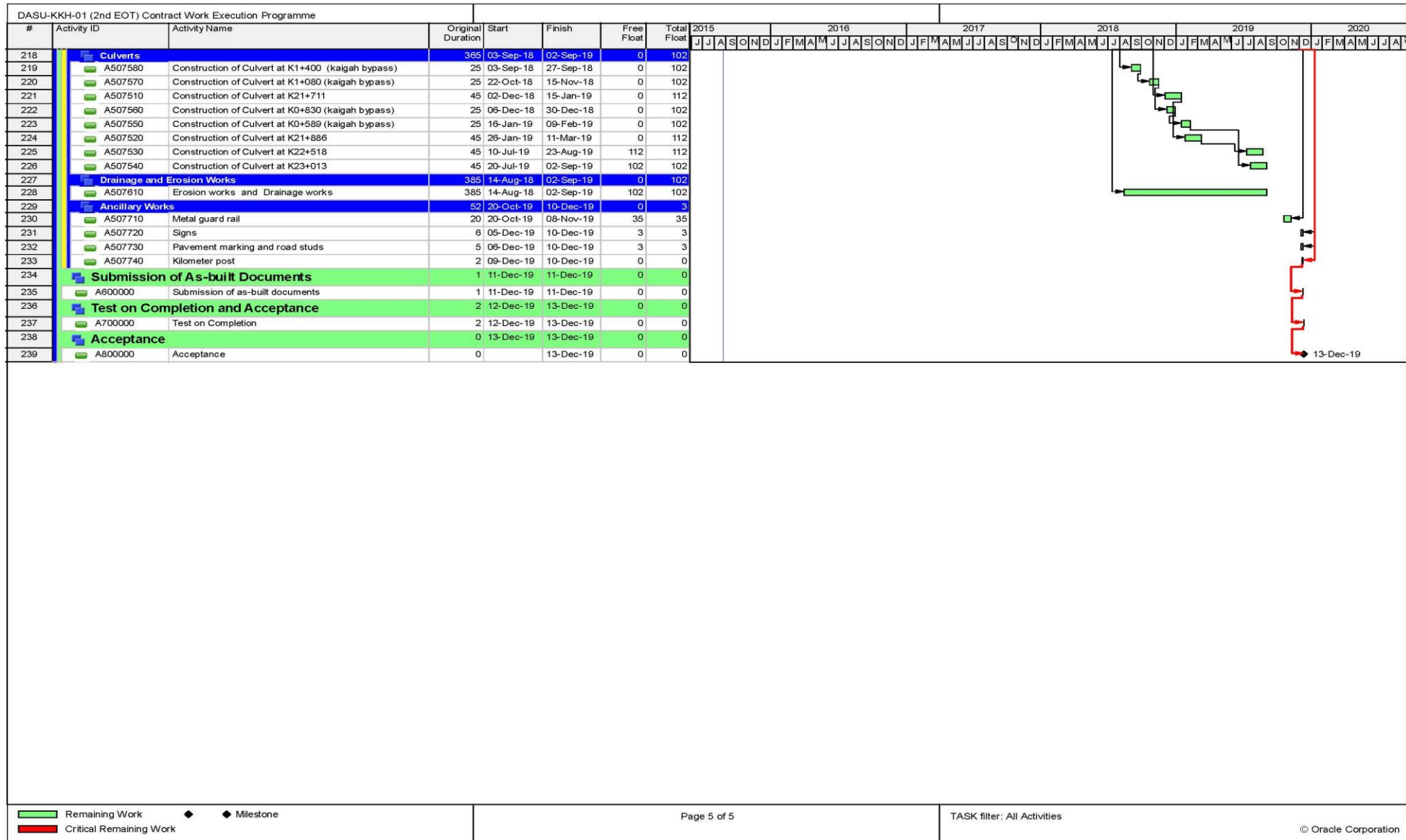


Figure 7: Dasu HPP Overall Progress (Financial Progress)

Figure 8 [5/5]



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

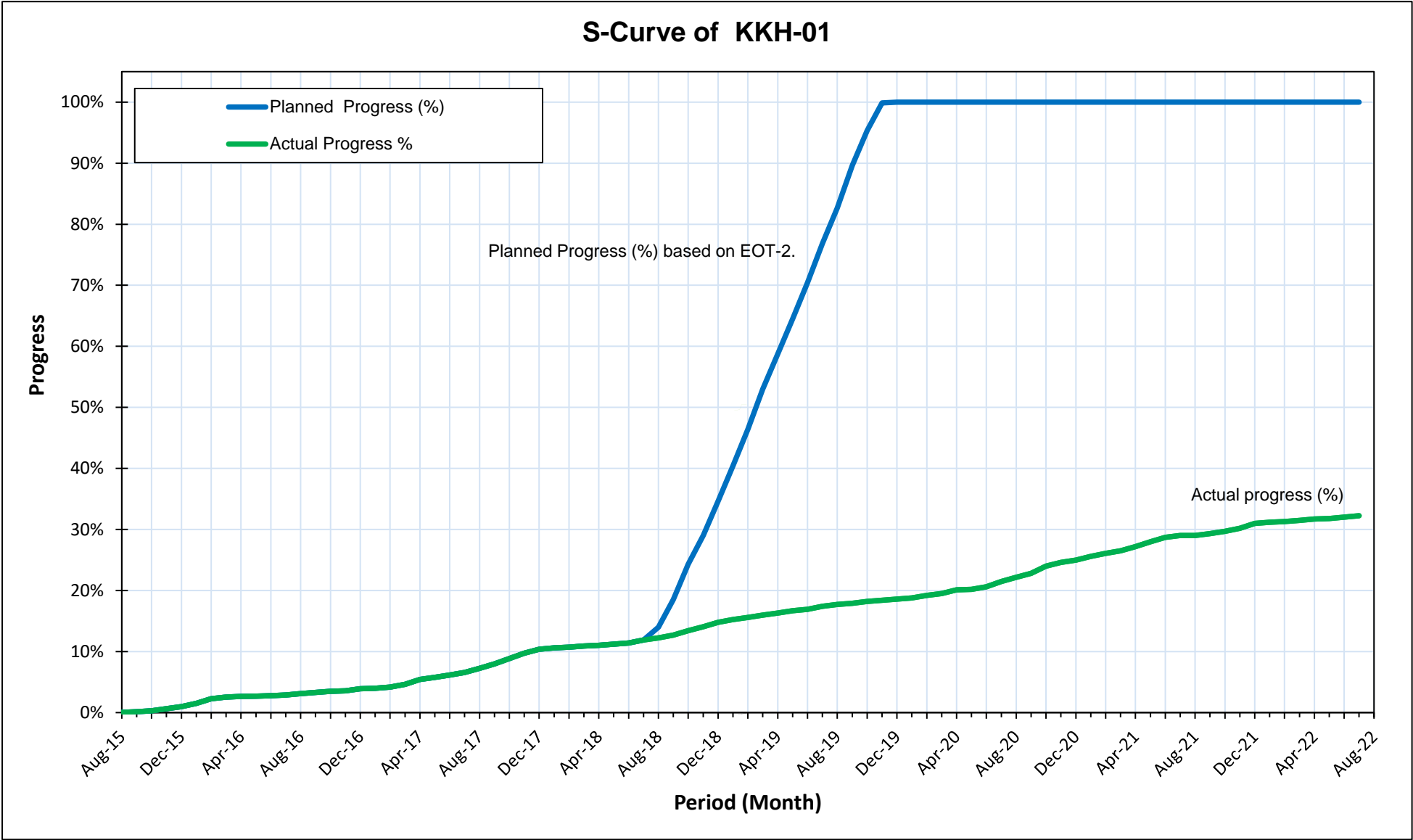


Figure 9: S Curve for Dasu-KKH-01

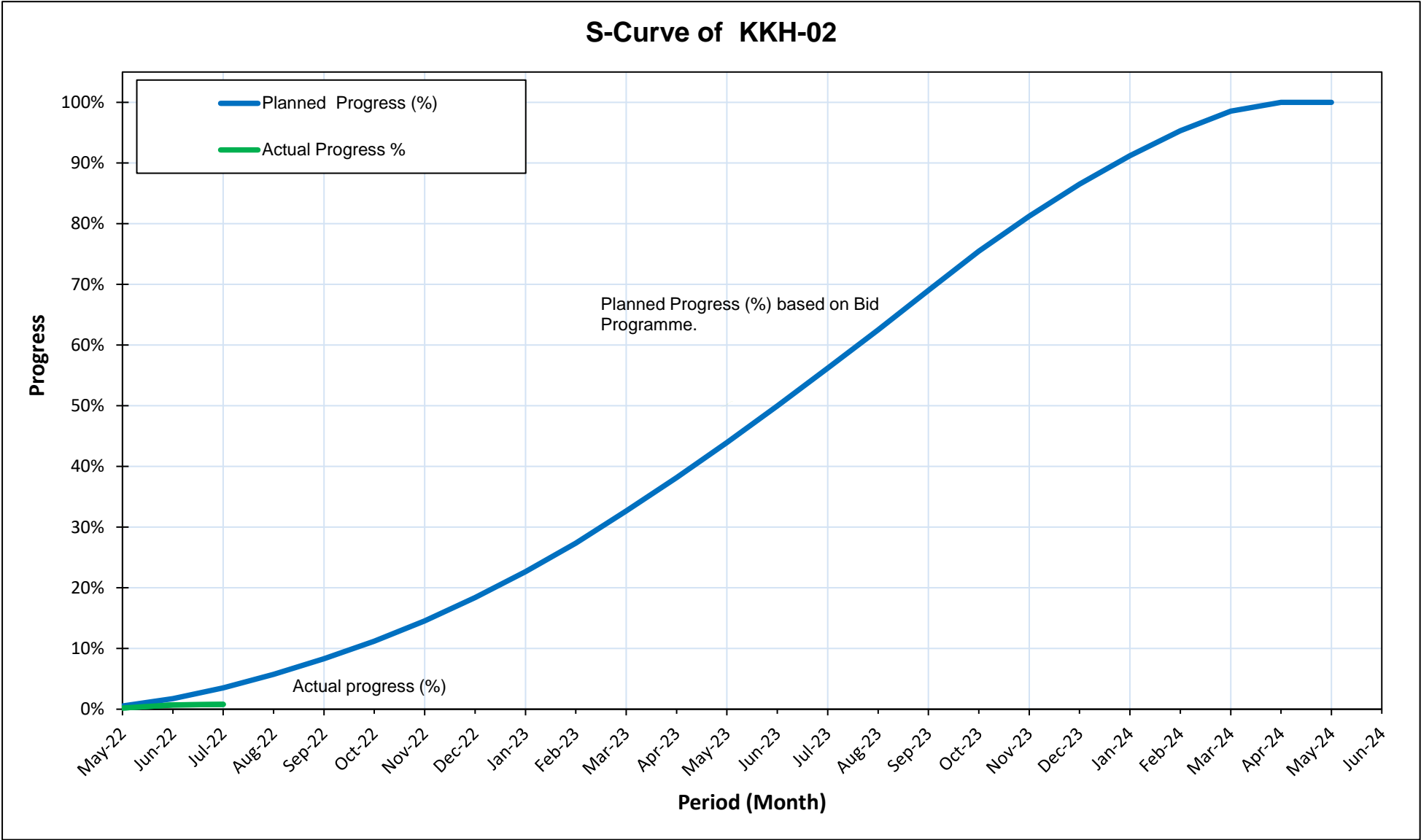
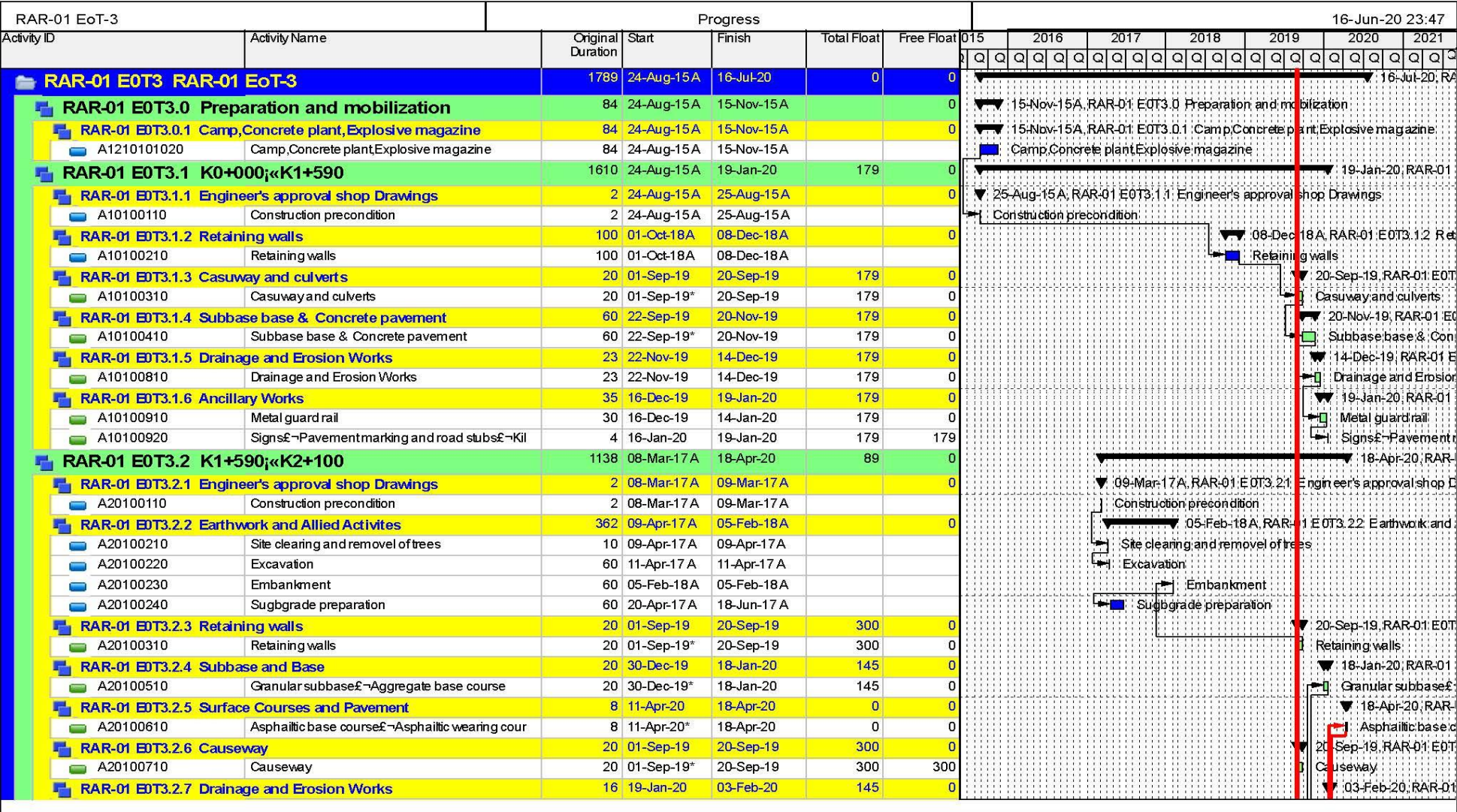


Figure 10: S Curve for Dasu-KKH-02

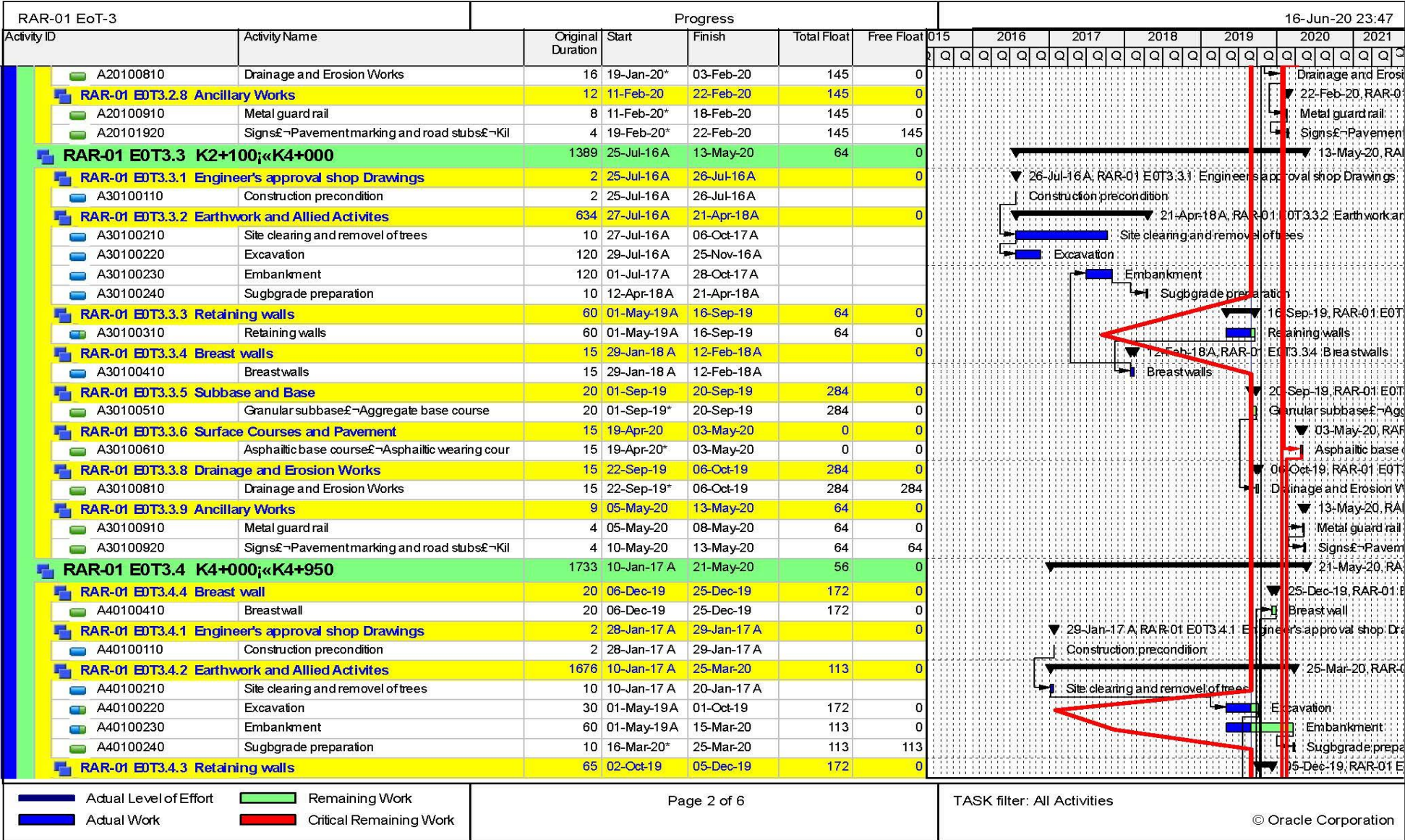
Figure 11 [1/6]



Actual Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work

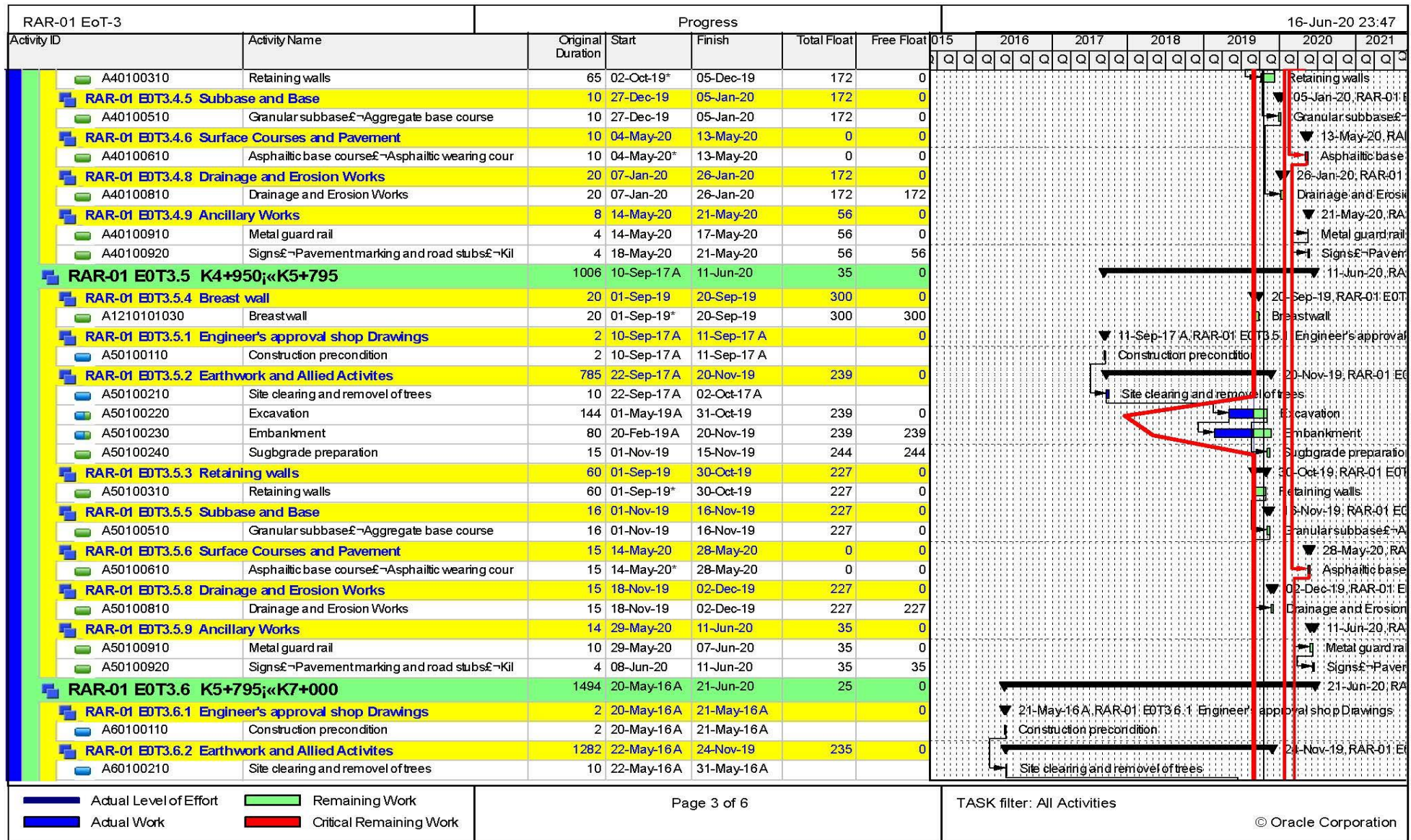
Figure 11: Gantt Chart of Dasu-RAR-01 (1 of 6)

Figure 11 [2/6]



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

Figure 11 [3/6]



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

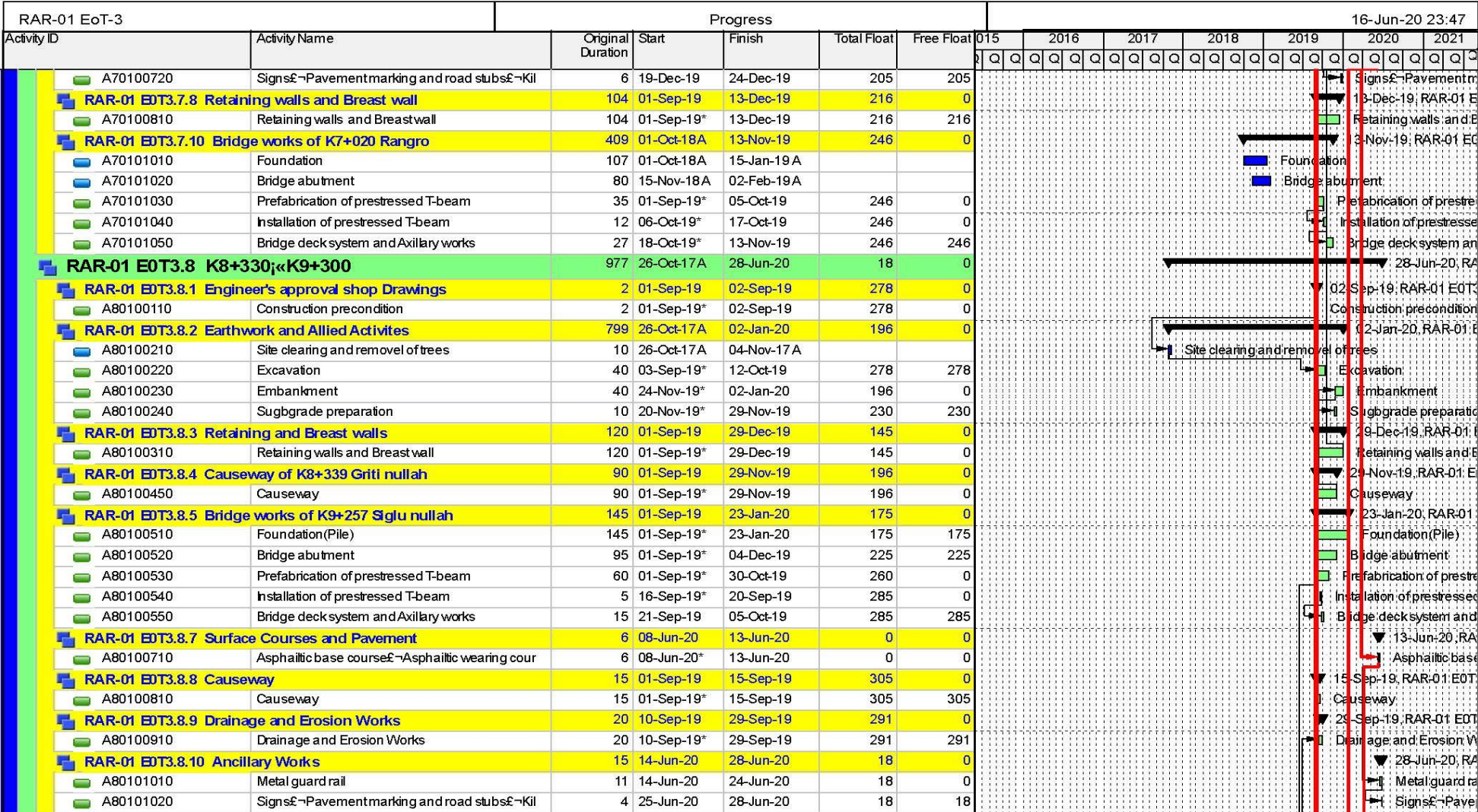
Figure 11 [4/6]

RAR-01 EoT-3		Progress					16-Jun-20 23:47																
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float	2015	2016			2017			2018			2019			2020			2021
A60100220	Excavation	60	01-Sep-19*	30-Oct-19	168	0																	
A60100230	Embankment	80	06-Sep-19*	24-Nov-19	235	235																	
A60100240	Subgrade preparation	10	01-Nov-19*	10-Nov-19	249	249																	
RAR-01 EDT3.6.4 Breast wall		50	01-Sep-19	20-Oct-19	270	0																	
A60100410	Breastwall	50	01-Sep-19*	20-Oct-19	270	270																	
RAR-01 EDT3.6.3 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 EDT3.6.5 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 EDT3.6.6 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 EDT3.6.7 Surface Courses and Pavement		5	29-May-20	02-Jun-20	0	0																	
A60100710	Asphaltic base course & Asphaltic wearing course	5	29-May-20*	02-Jun-20	0	0																	
RAR-01 EDT3.6.8 Causeway		20	25-Oct-19	13-Nov-19	246	0																	
A60100810	Causeway	20	25-Oct-19*	13-Nov-19	246	246																	
RAR-01 EDT3.6.9 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 EDT3.6.10 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 substructure	4	18-Jun-20	21-Jun-20	25	25																	
RAR-01 EOT3.7 K7+000;K8+330		958	24-Oct-17 A	07-Jun-20	39	0																	
RAR-01 EDT3.7.1 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		0																	
RAR-01 EDT3.7.2 Earthwork and Allied Activities		62	01-Sep-19	01-Nov-19	258	0																	
A70100210	Site clearing and removal 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	Subgrade preparation	10	02-Oct-19*	11-Oct-19	279	279																	
RAR-01 EDT3.7.3 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 EDT3.7.4 Surface Courses and Pavement		5	03-Jun-20	07-Jun-20	0	0																	
A70100410	Asphaltic base course & Asphaltic wearing course	5	03-Jun-20*	07-Jun-20	0	0																	
RAR-01 EDT3.7.6 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 EDT3.7.7 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 ■ Remaining Work Page 4 of 6 TASK filter: All Activities
■ Actual Work ■ Critical Remaining Work © Oracle Corporation

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

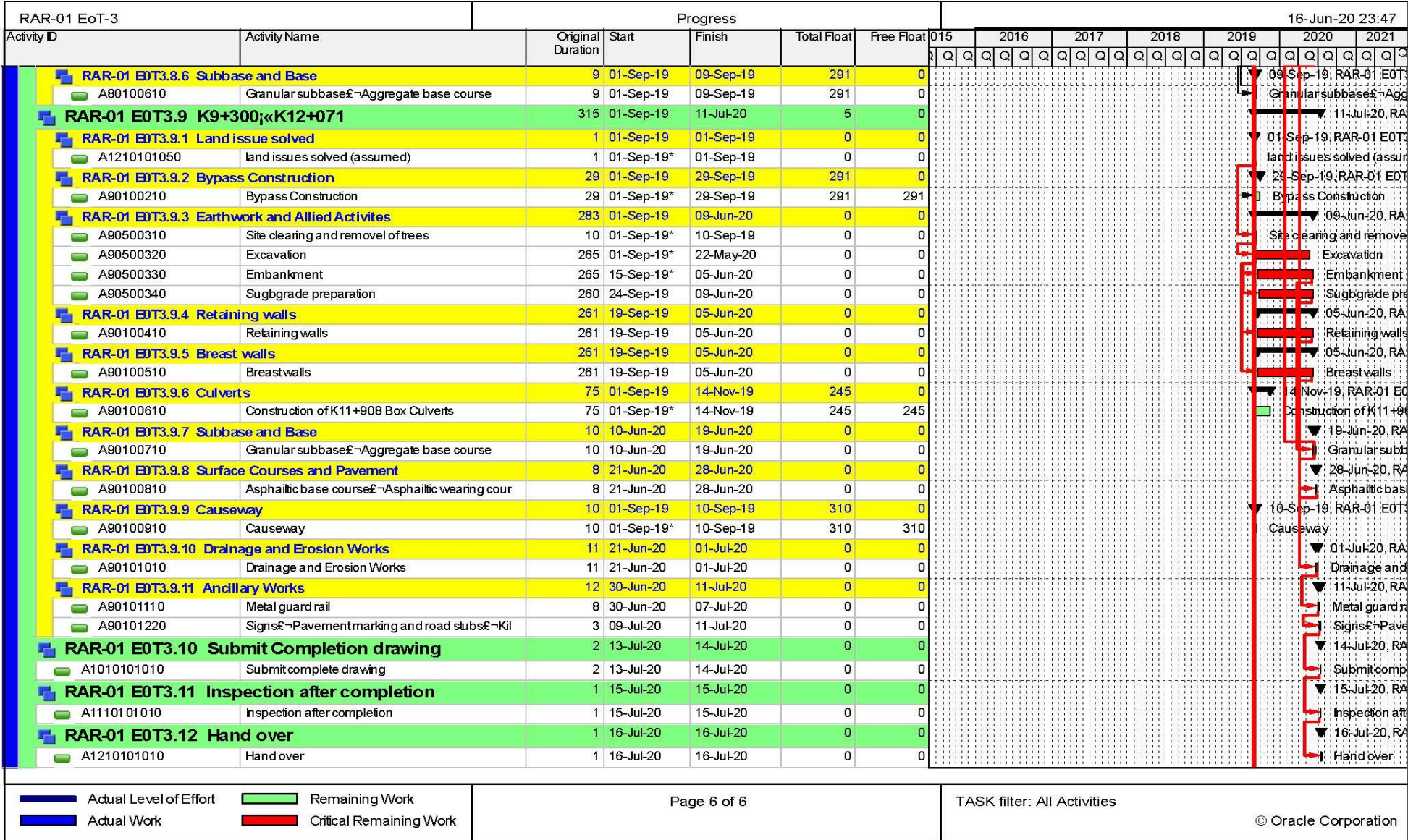
Figure 11 [5/6]



█ Actual Level of Effort █ Remaining Work
█ Actual Work █ Critical Remaining Work

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

Figure 11 [6/6]



█ Actual Level of Effort █ Remaining Work
█ Actual Work █ Critical Remaining Work

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

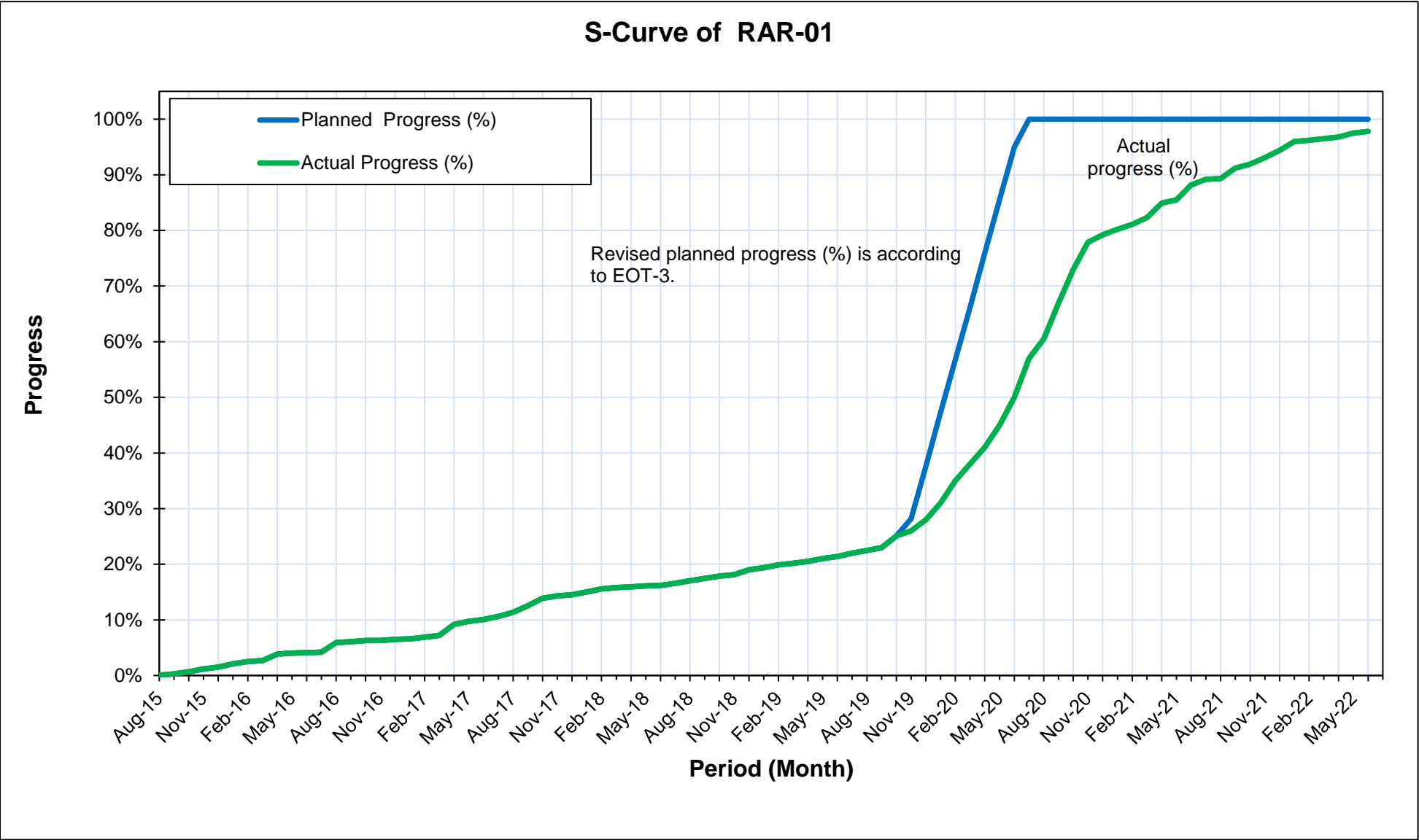


Figure 12: S Curve for Dasu-RAR-01

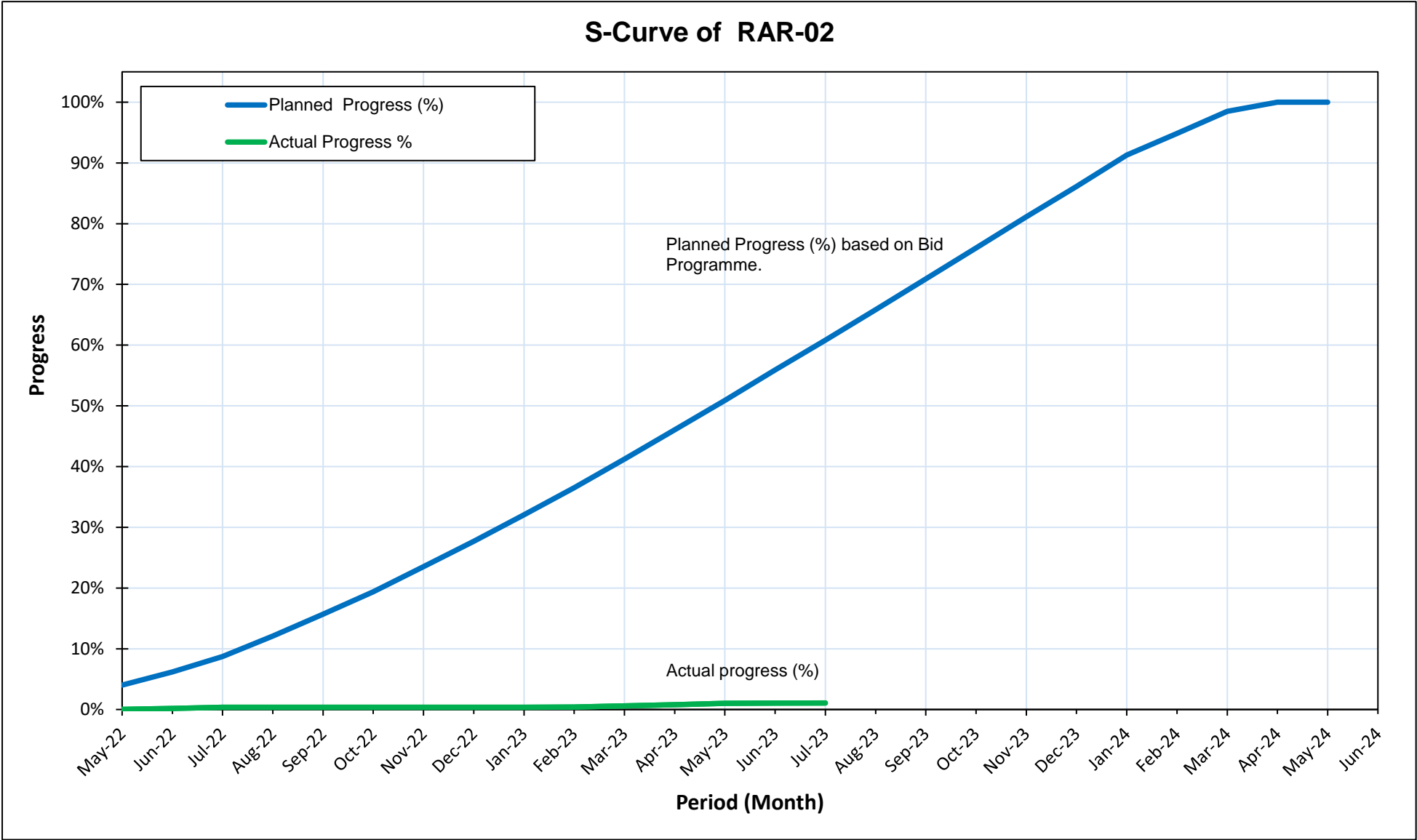


Figure 13: S Curve for Dasu-RAR-02

Figure 14 [1/4]

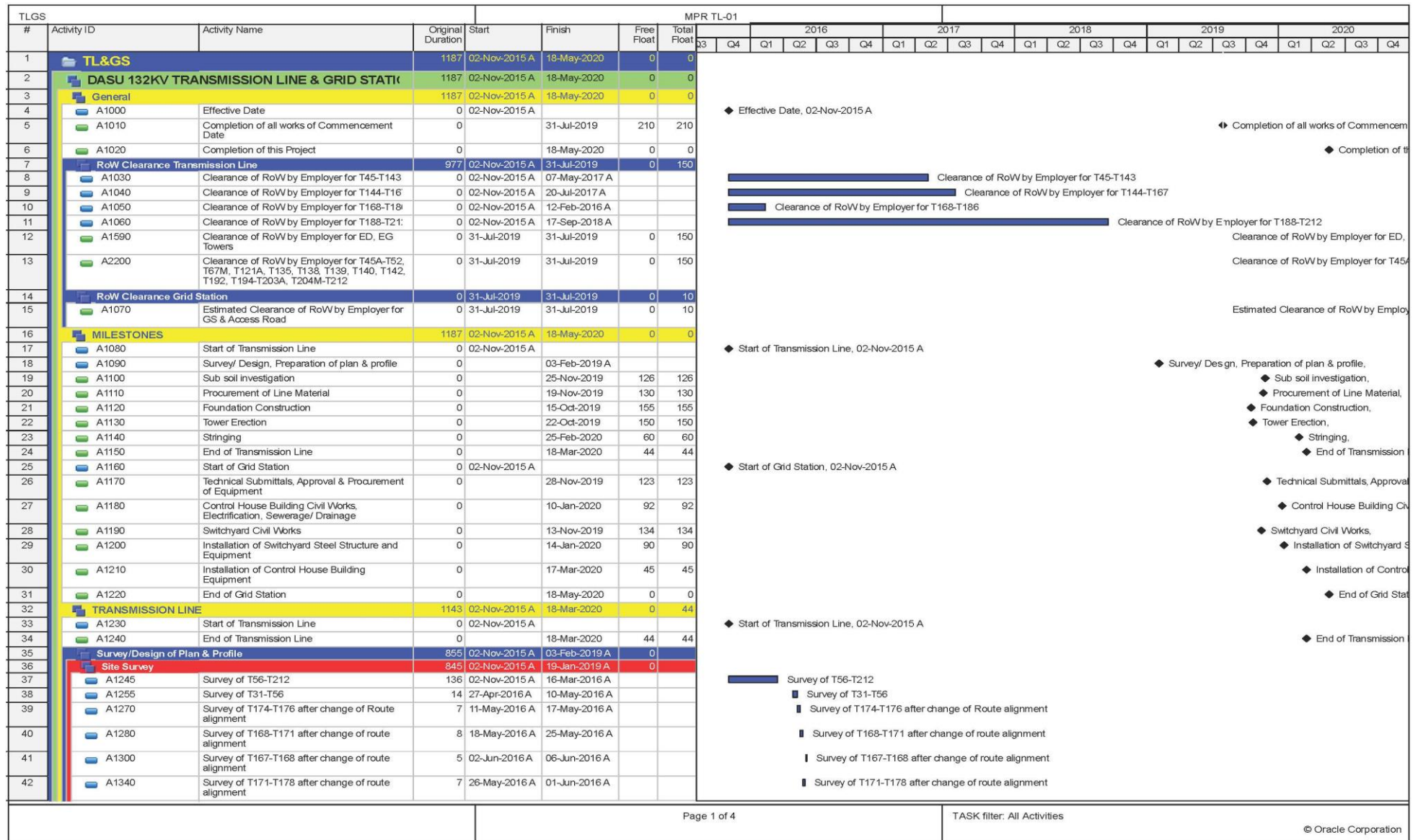


Figure 14: Gantt Chart of Dasu-TL-01 (1 of 4)

Figure 14 [2/4]



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

Figure 14 [4/4]

TLGS		MPR TL-01																											
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2016				2017				2018				2019				2020					
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
136	A2030	Construction of Control House Building	60	03-Oct-2019	25-Dec-2019	0	0																						
137	A2040	Installation of Electric Material for Control Room	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																						

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

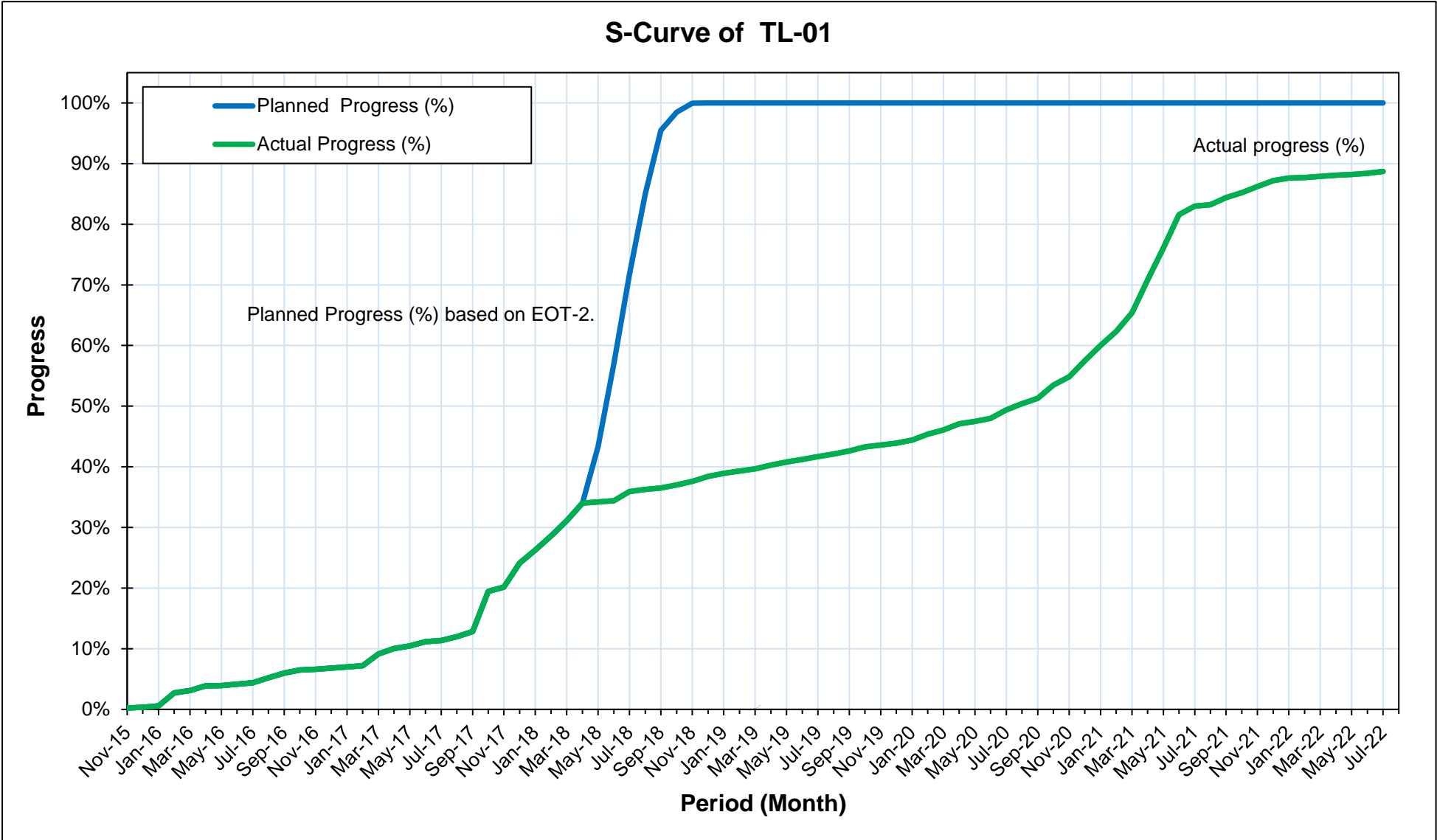


Figure 15: S Curve for Dasu-TL-01

Figure 16 [1/6]

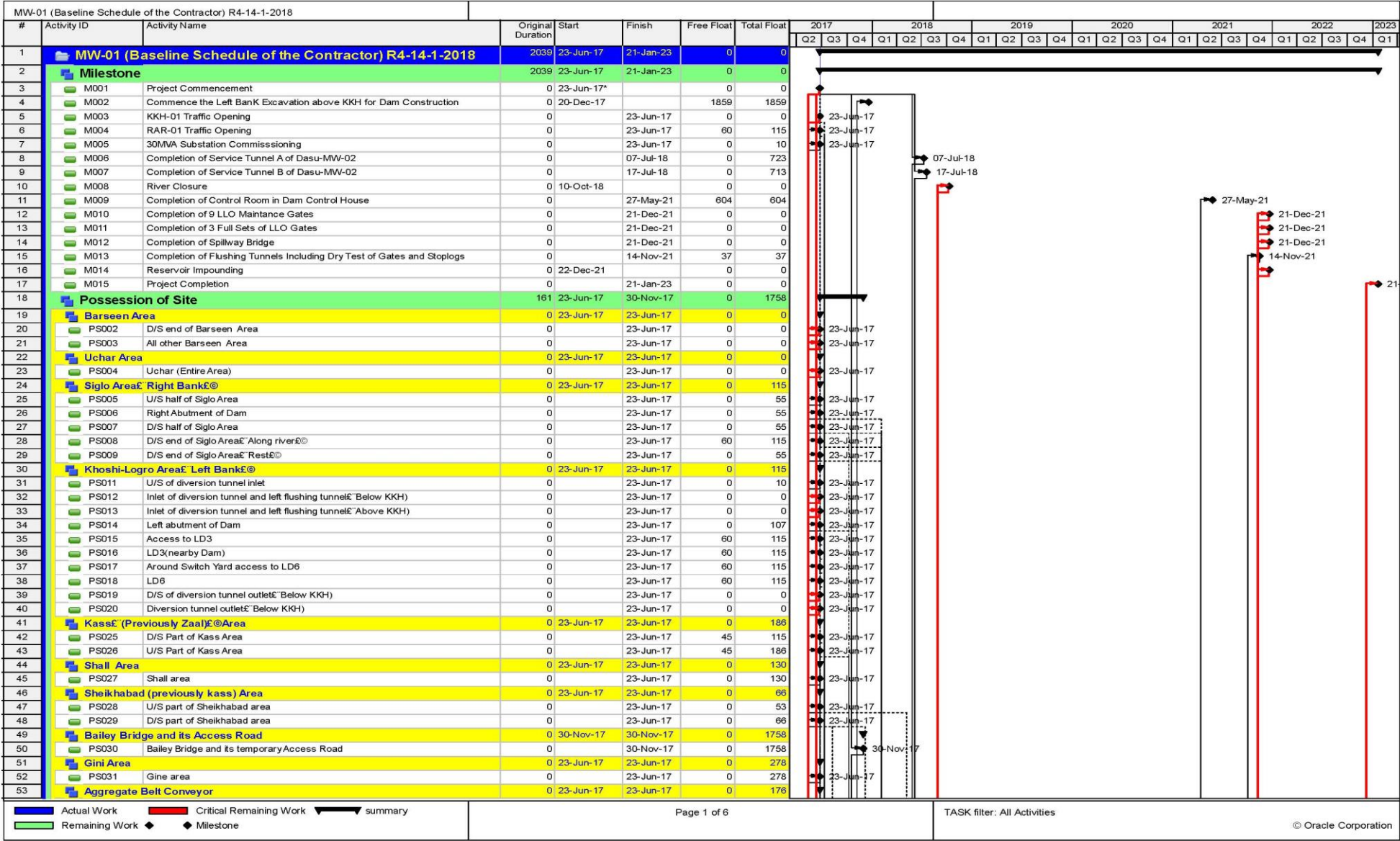
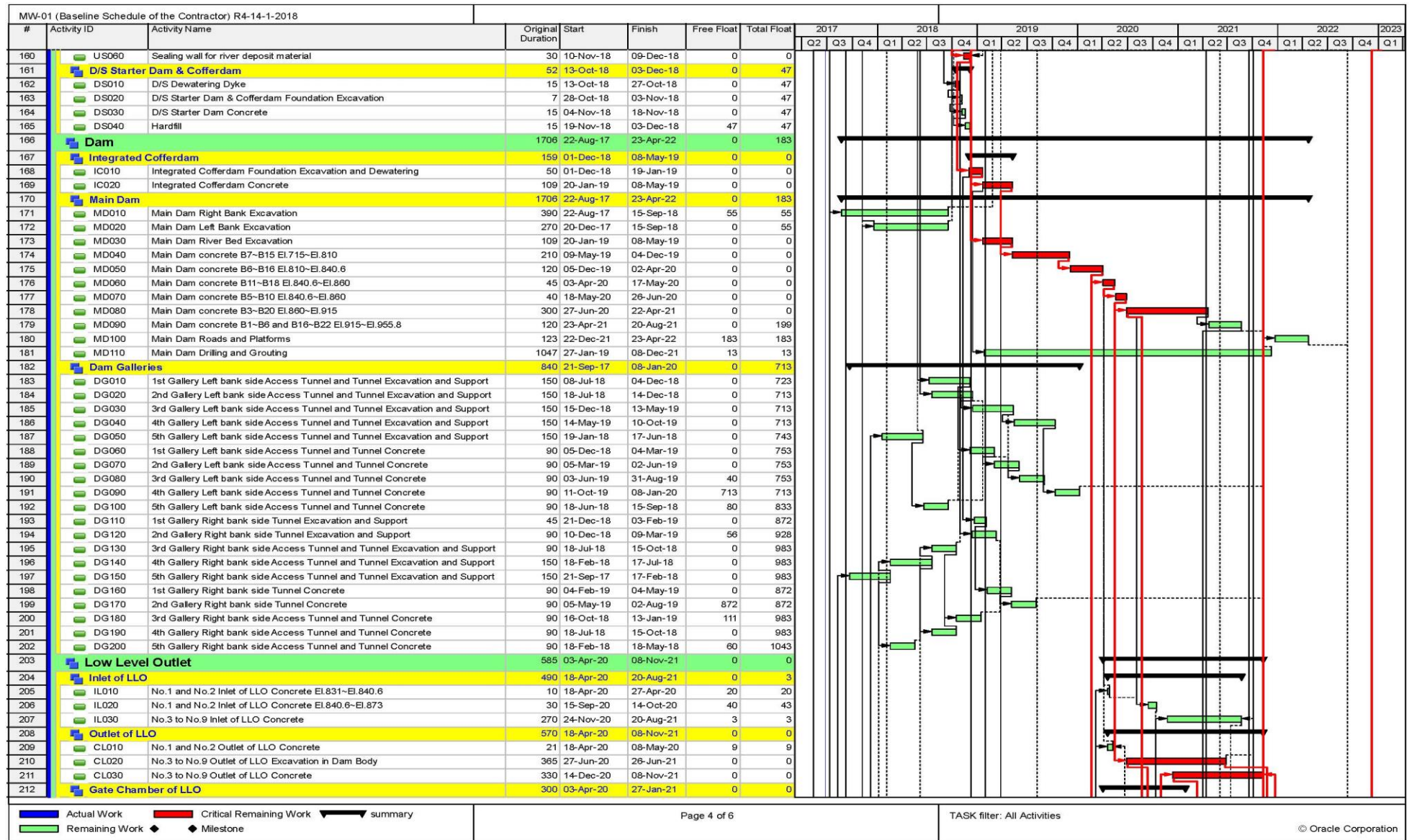


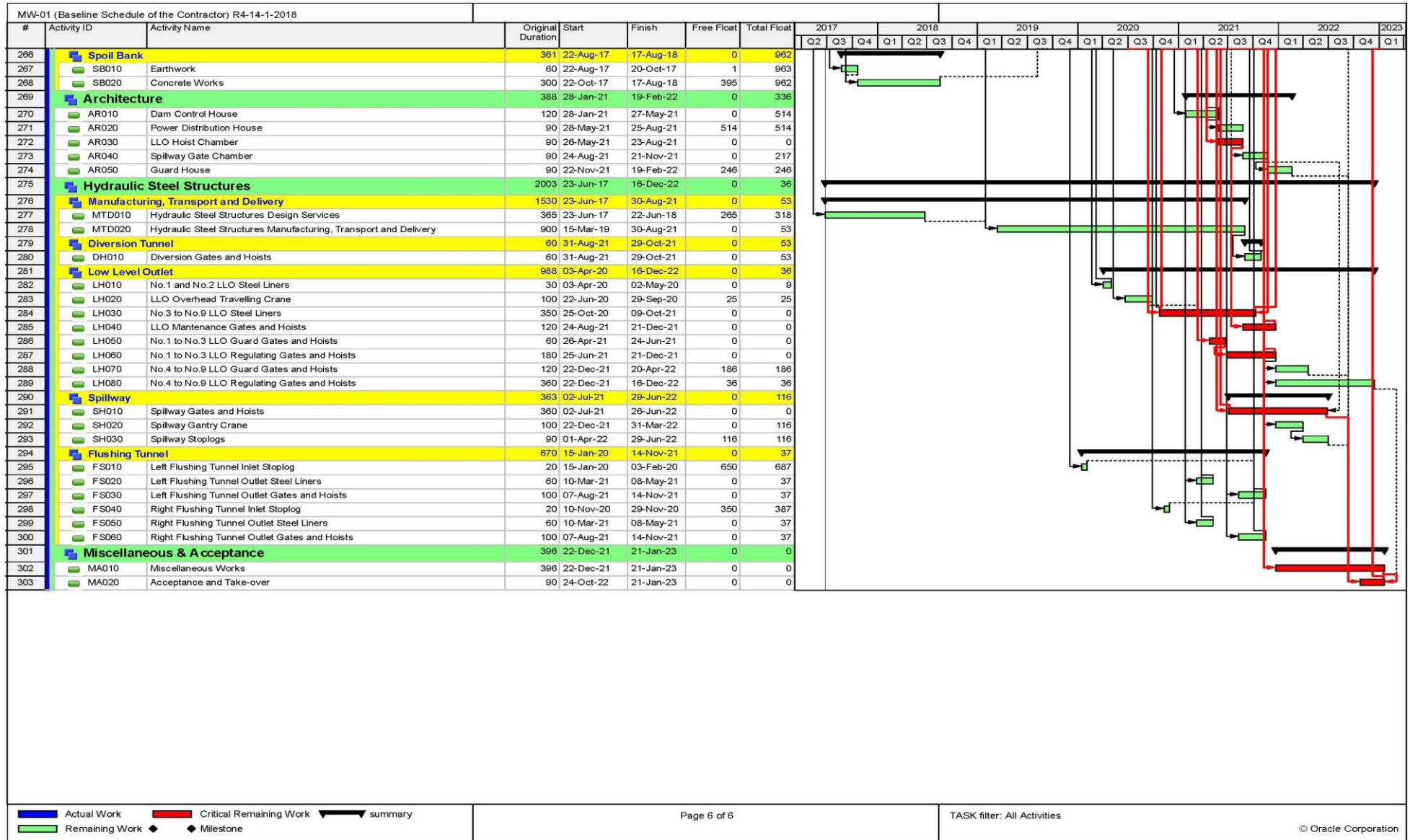
Figure 16: Gantt Chart of Dasu-MW-01 (1 of 6)

Figure 16 [4/6]



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

Figure 16 [6/6]



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

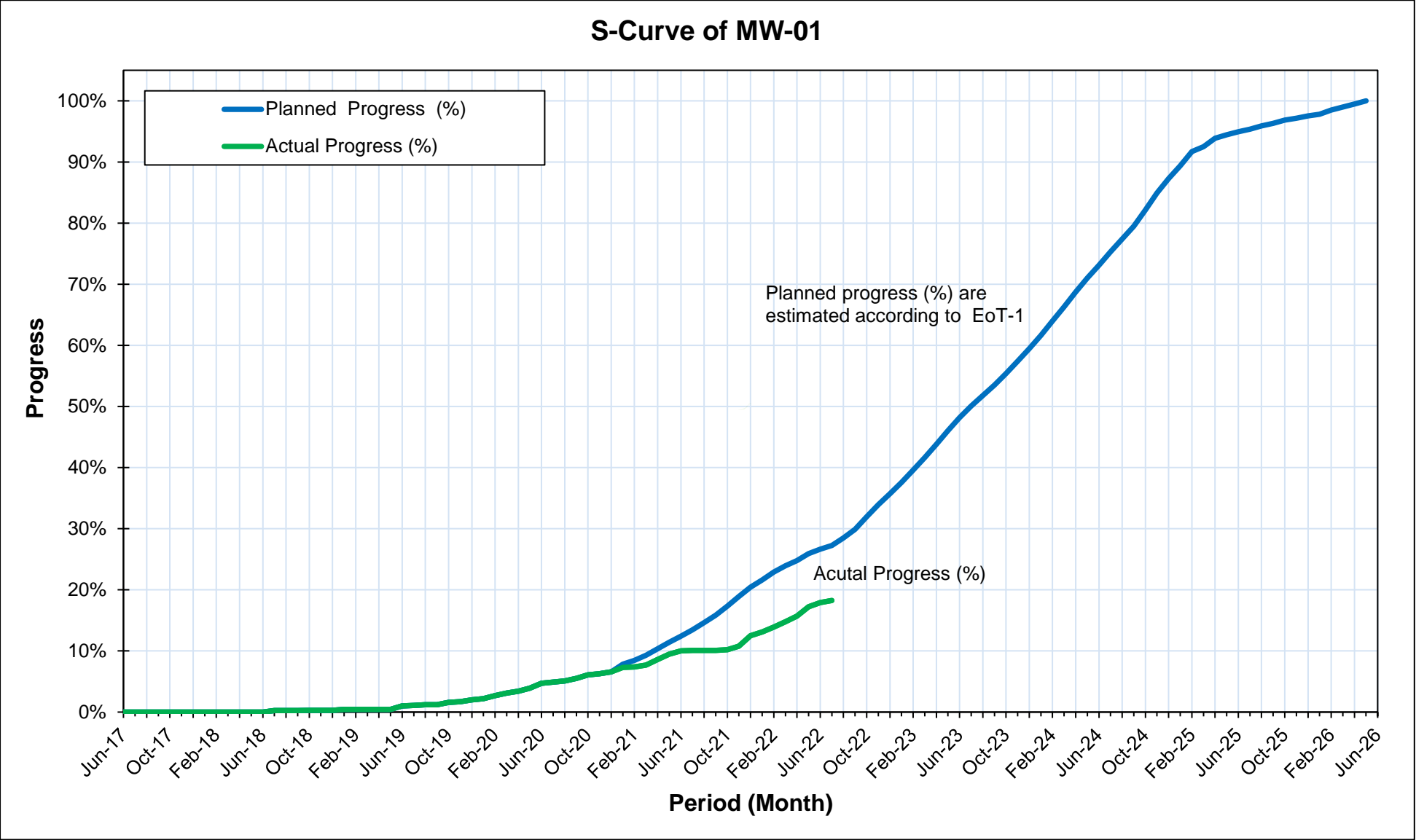


Figure 17: S-Curve for MW-01

Figure 18 [1/8]

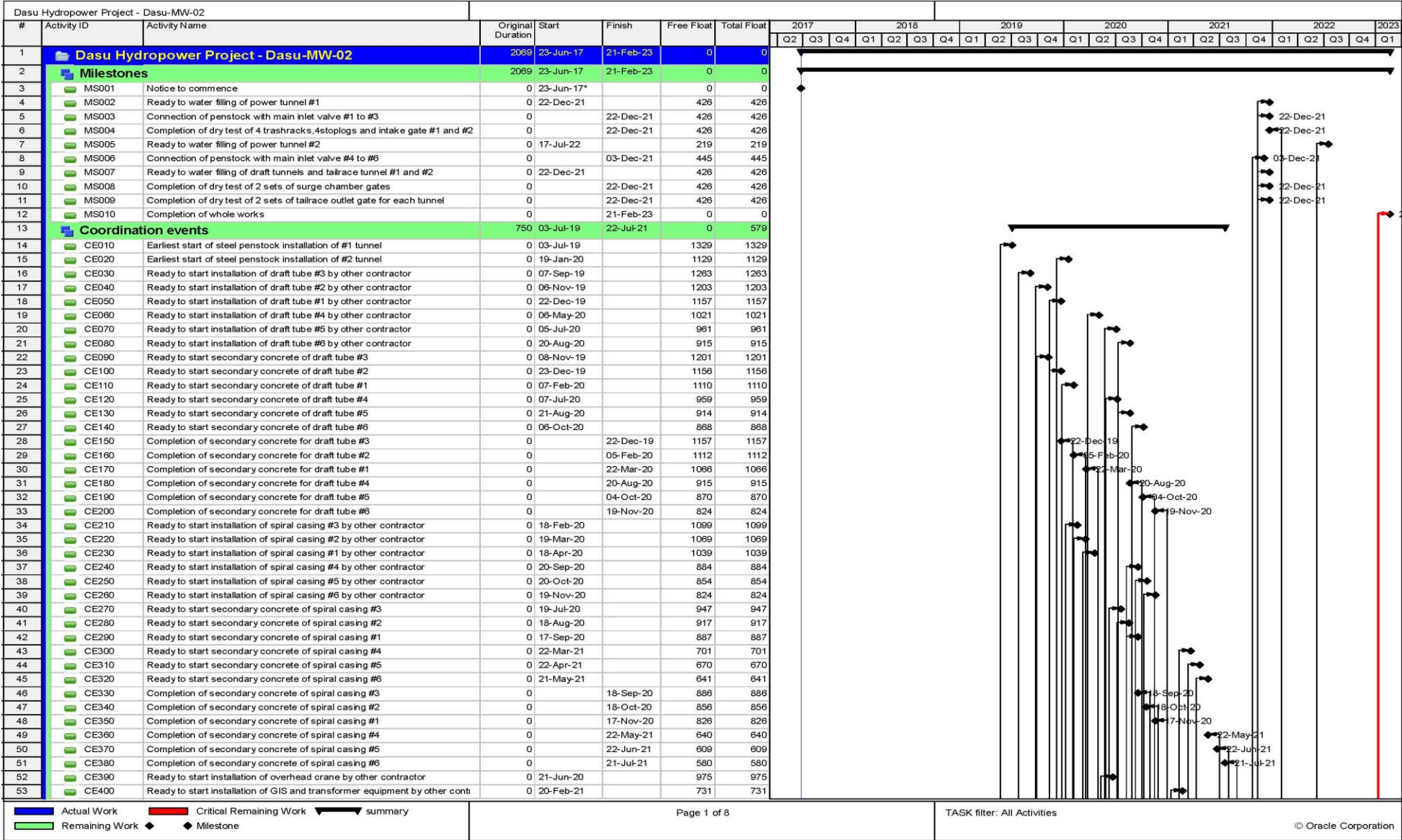
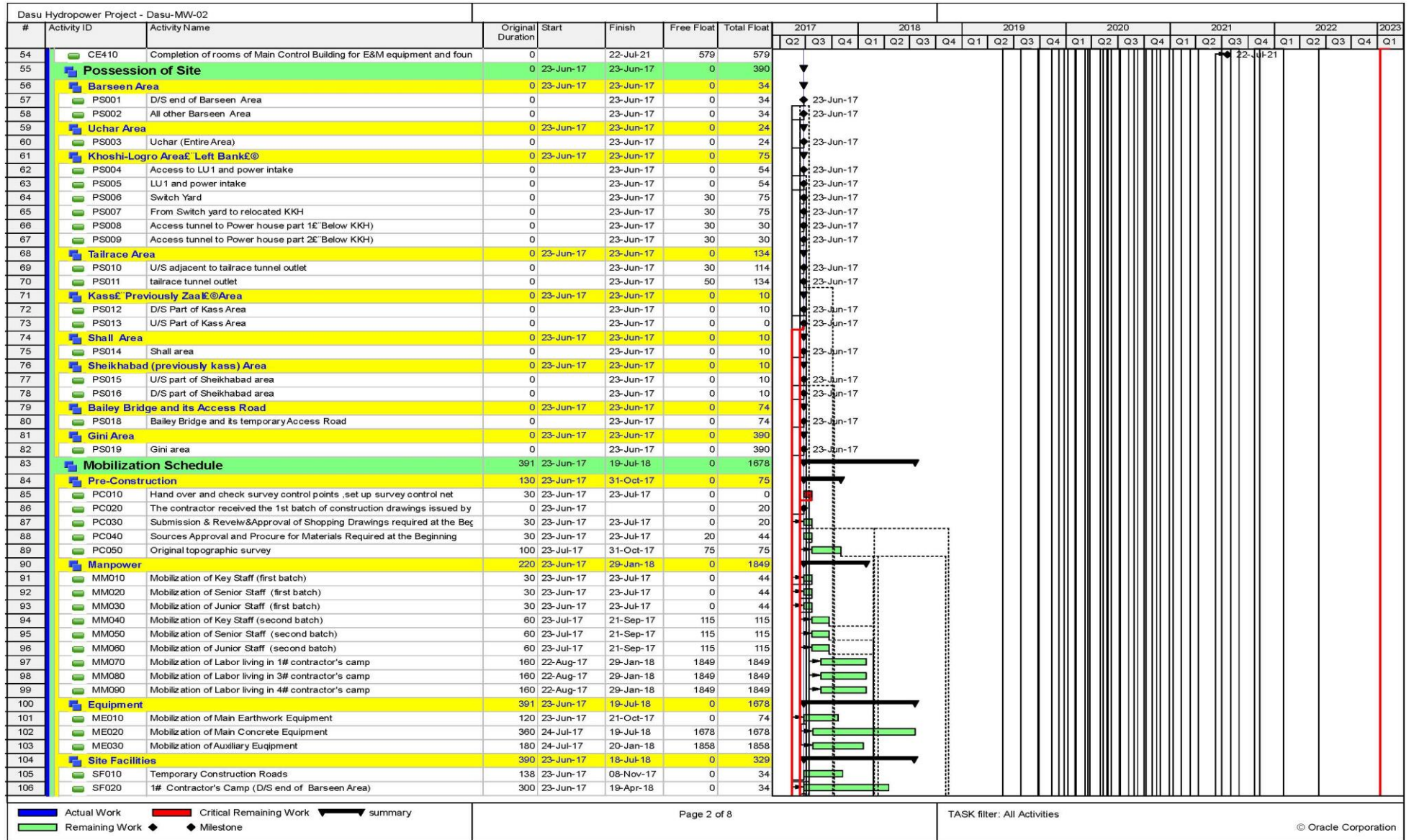


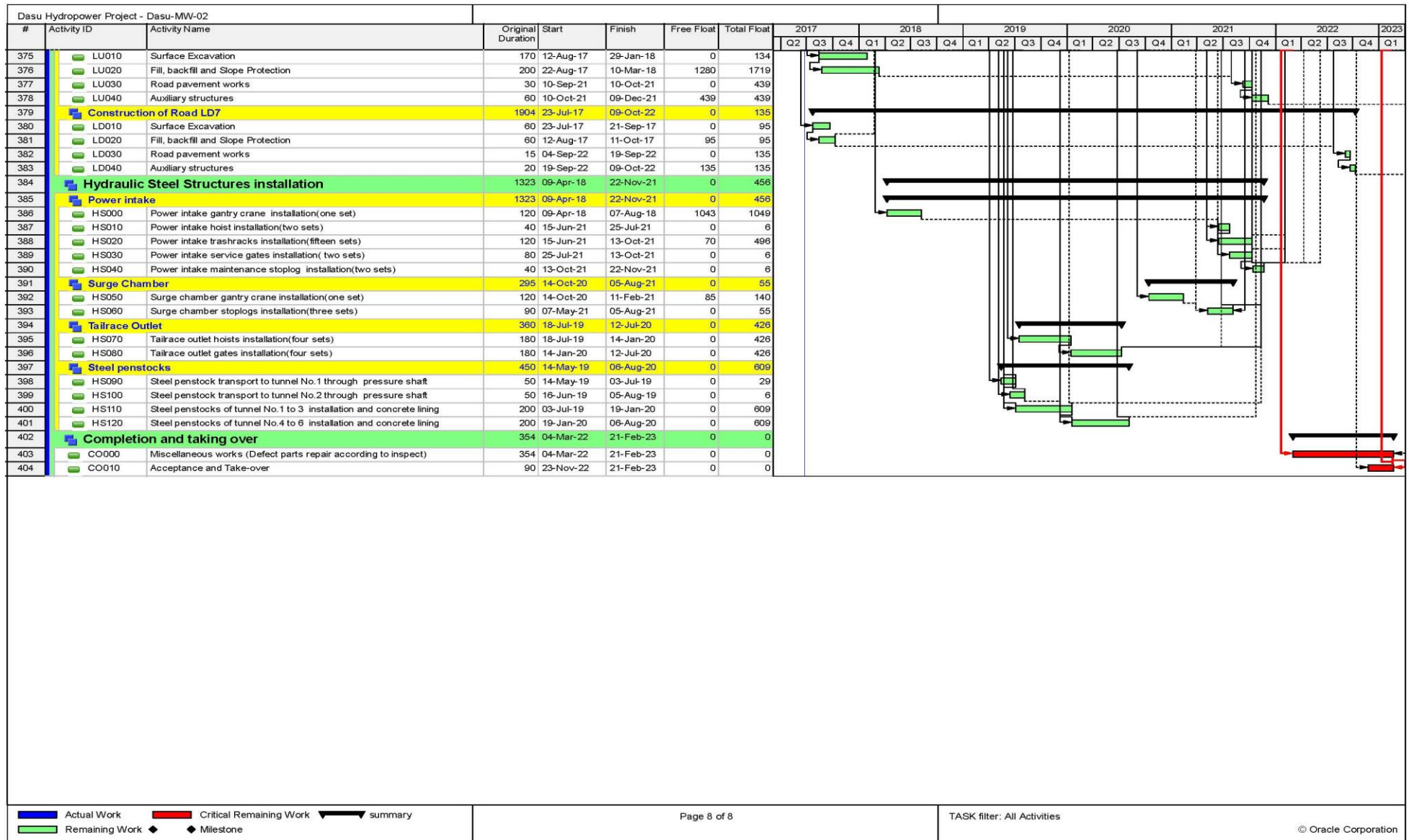
Figure 18: Gantt Chart of Dasu-MW-02 (1 of 8)

Figure 18 [2/8]



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

Figure 18 [8/8]



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

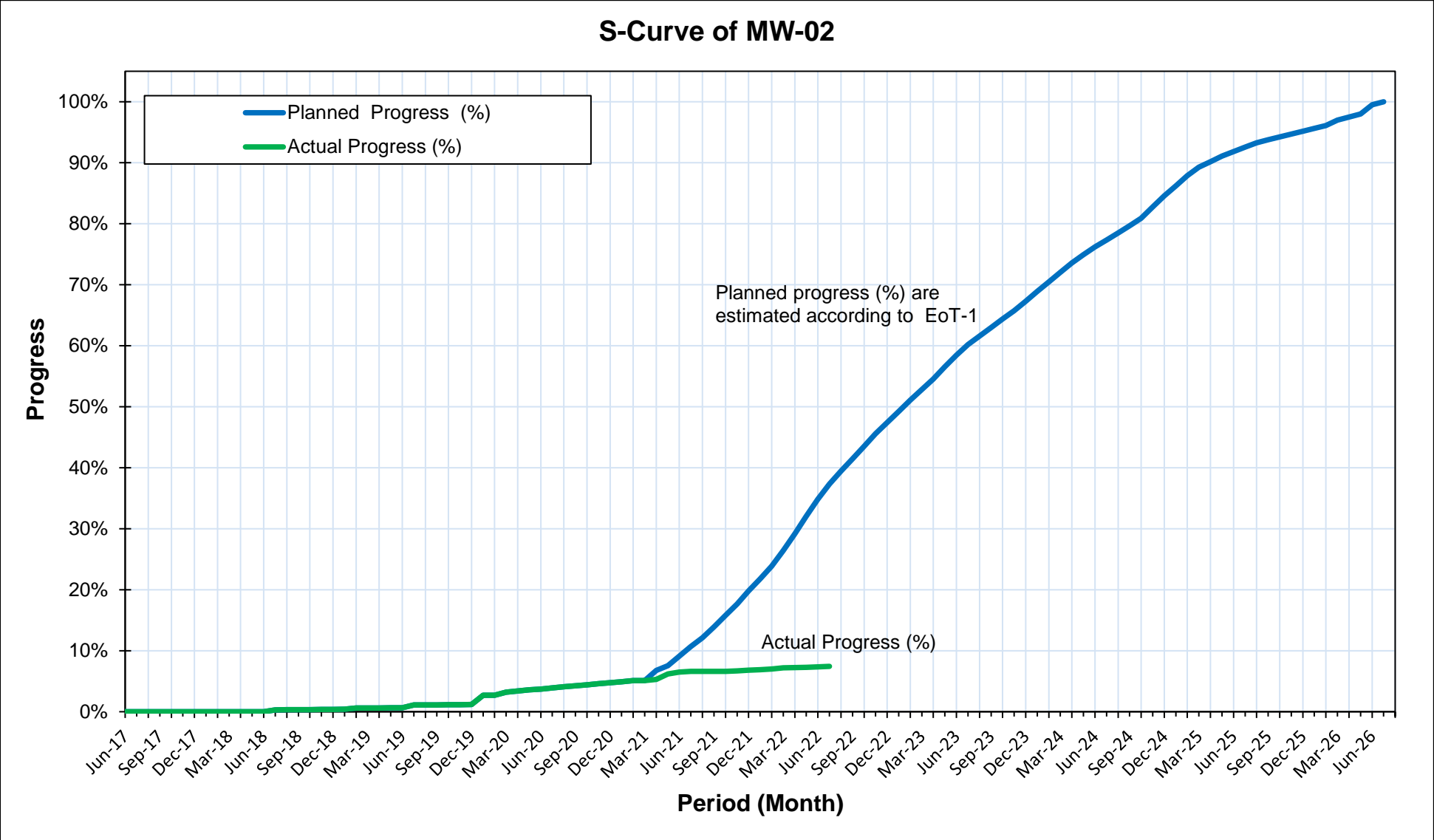


Figure 19: S-Curve for MW-02

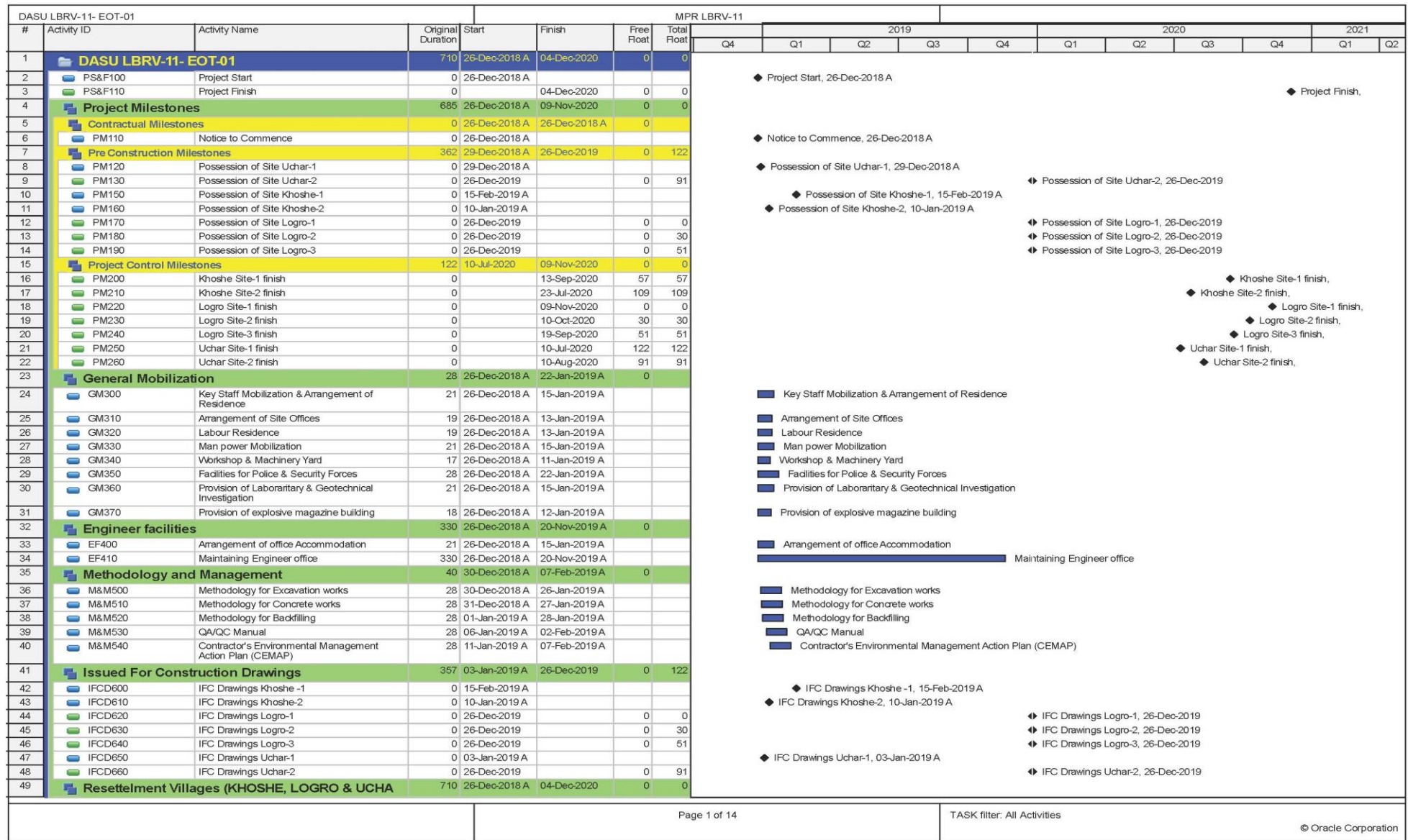
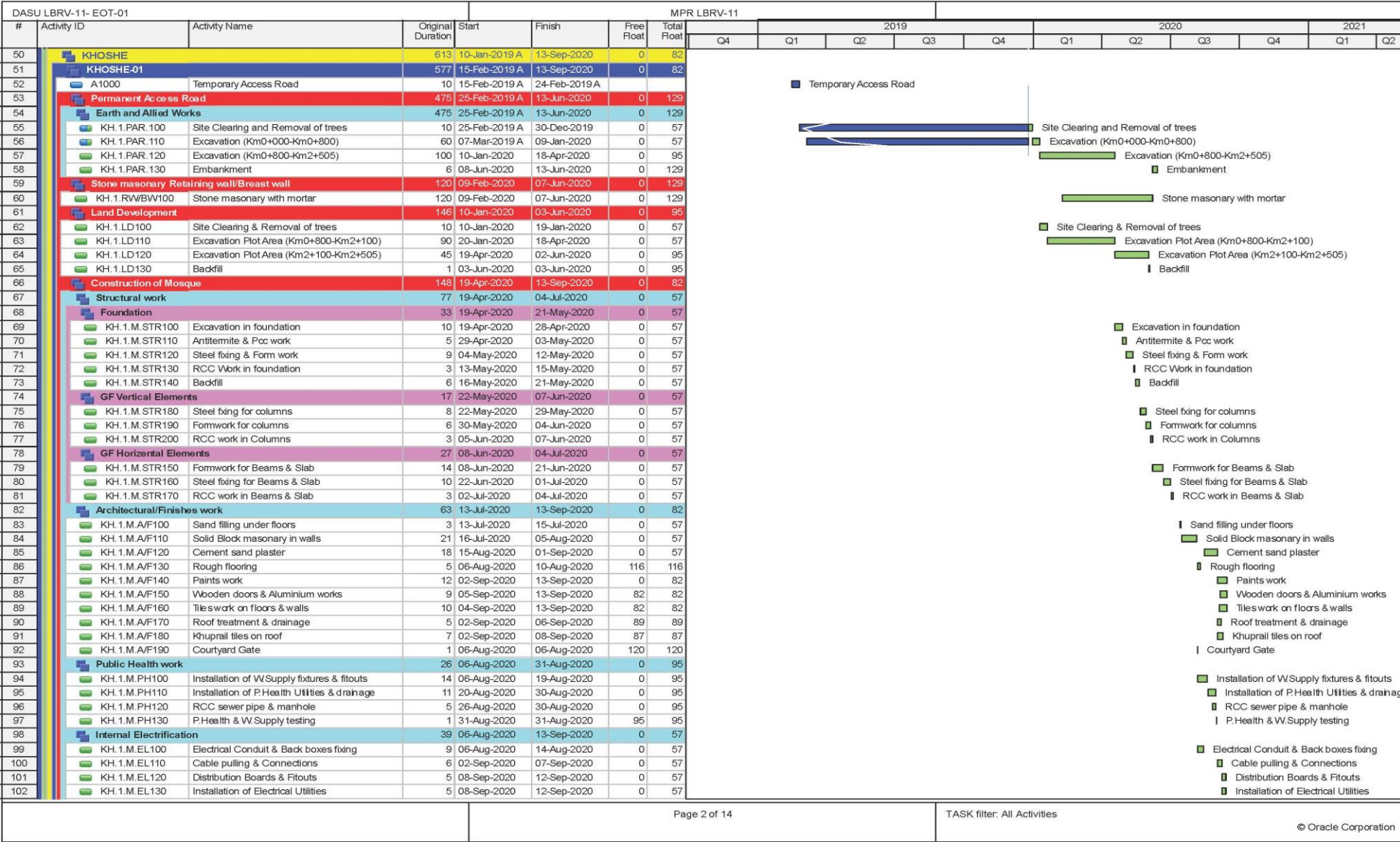


Figure 20: Gantt Chart of Dasu-LBRV-11 (1 of 14)

Dasu Hydropower Project
Monthly Progress Report No. 96 (July 2022)

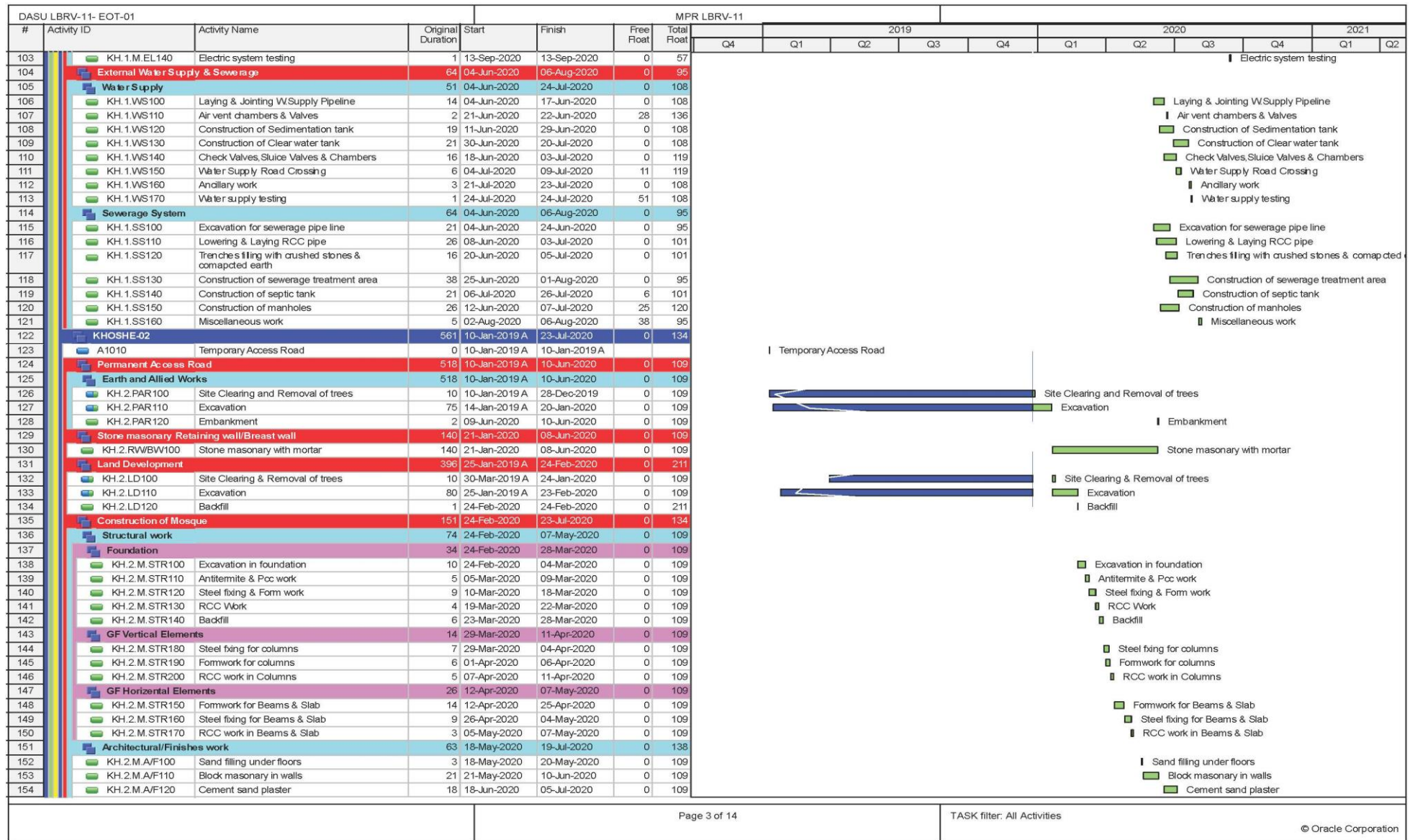
Figure 20 [2/14]



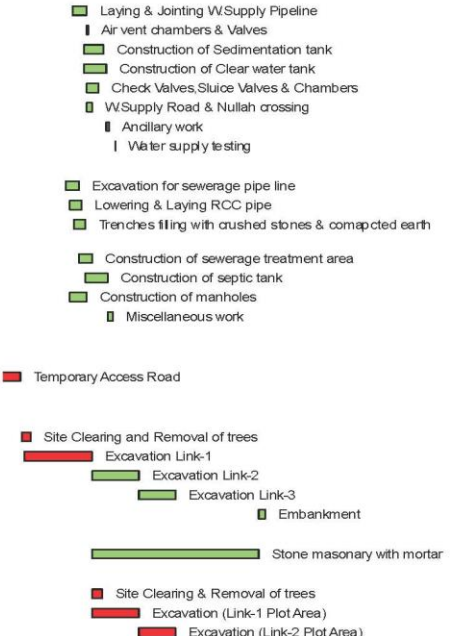
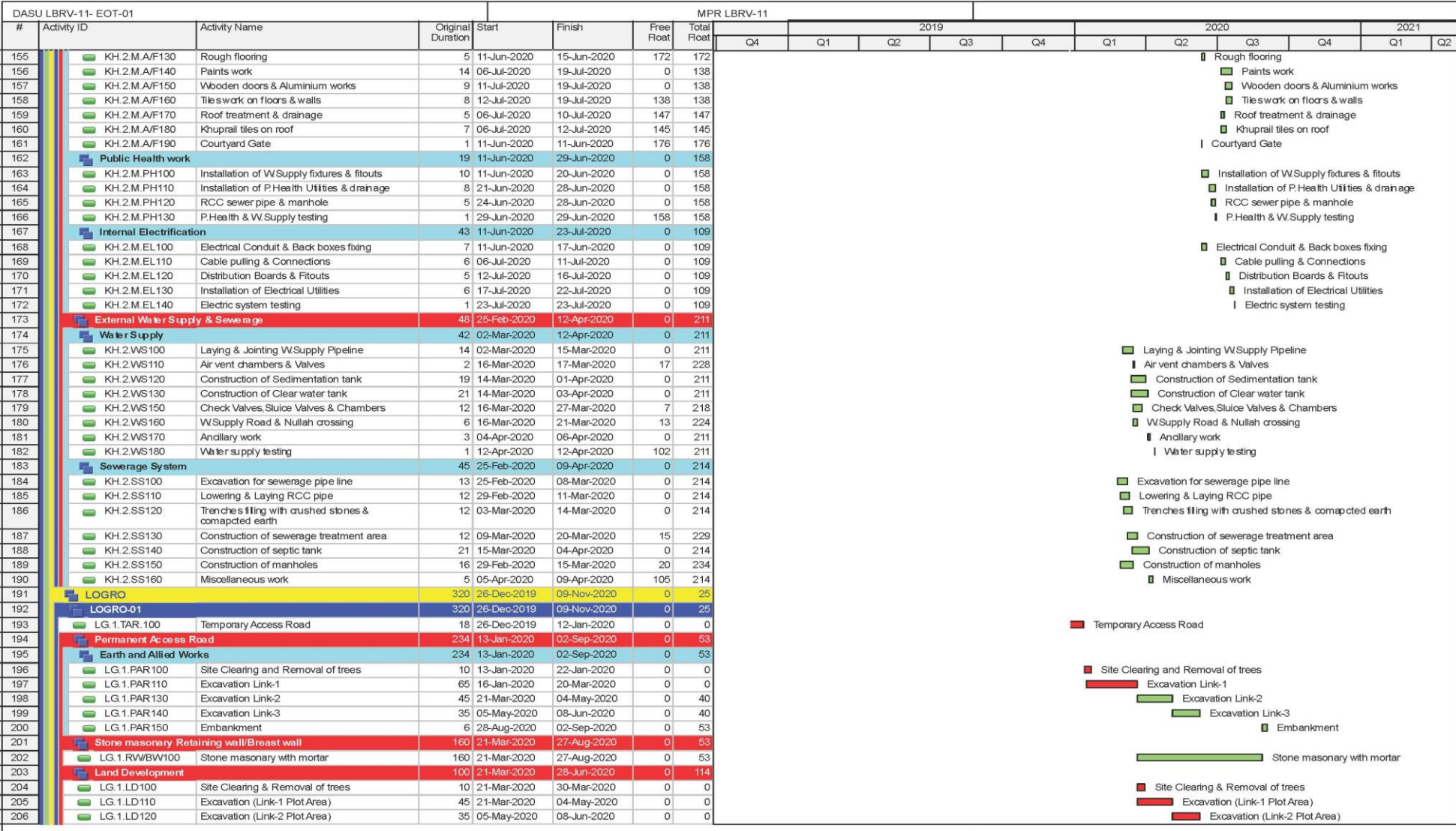
Gantt Chart of Dasu-LBRV-11 (2 of 14)

Dasu Hydropower Project
Monthly Progress Report No. 96 (July 2022)

Figure 20 [3/14]



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



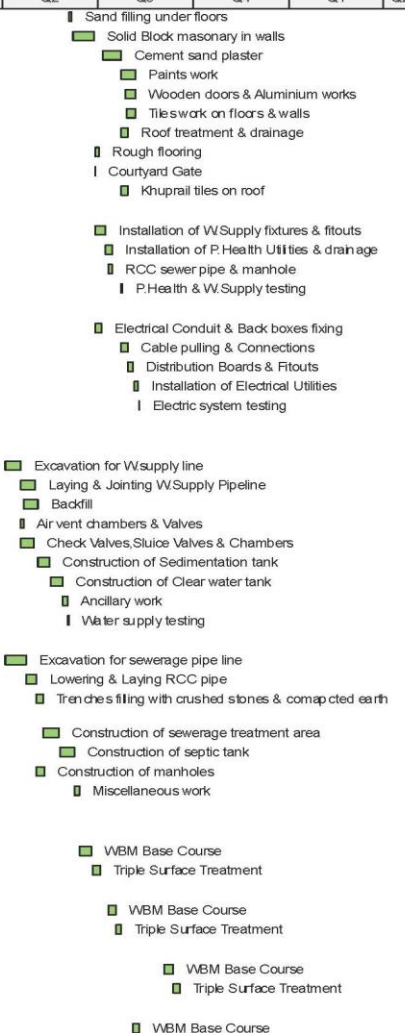
Gantt Chart of Dasu-LBRV-11 (4 of 14)

DASU LBRV-11- EOT-01				MPR LBRV-11														
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021		
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
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 fixing 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 Horizontal 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 masonry 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 WSupply fixtures & fitouts	10	24-Aug-2020	02-Sep-2020	0	84											
344	LG.2.M.PH110	Installation of PHealth 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	PHealth & 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 WSupply 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										

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

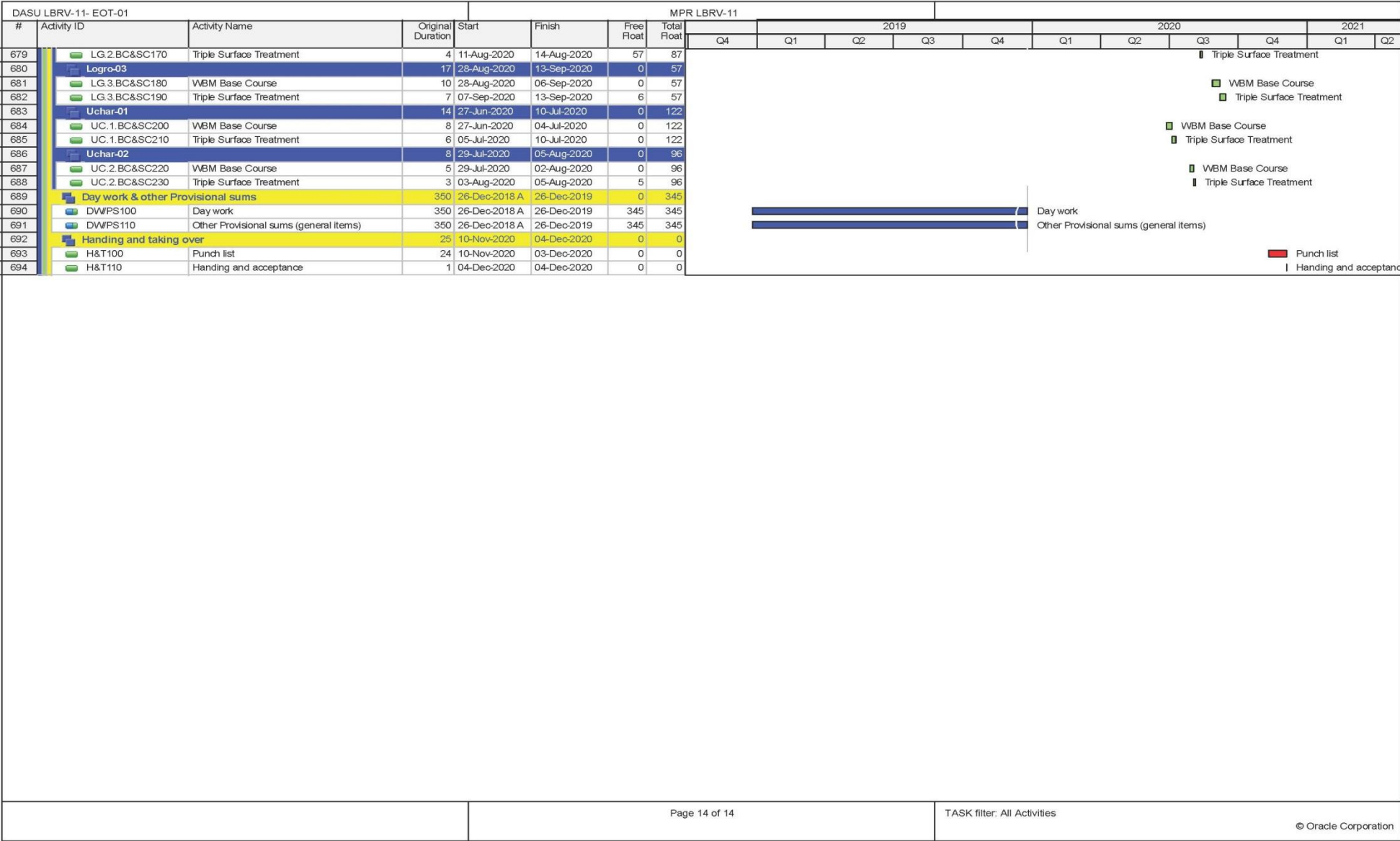
Figure 20 [13/14]

DASU LBRV-11- EOT-01				MPR LBRV-11													
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021	
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
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 masonry 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	Tileswork 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 WSupply 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 Wsupply line	16	03-Apr-2020	18-Apr-2020	0	159										
651	UC.2.WS110	Laying & Jointing WSupply 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 & compacted 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										



Gantt Chart of Dasu-LBRV-11 (13 of 14)

Figure 20 [14/14]



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

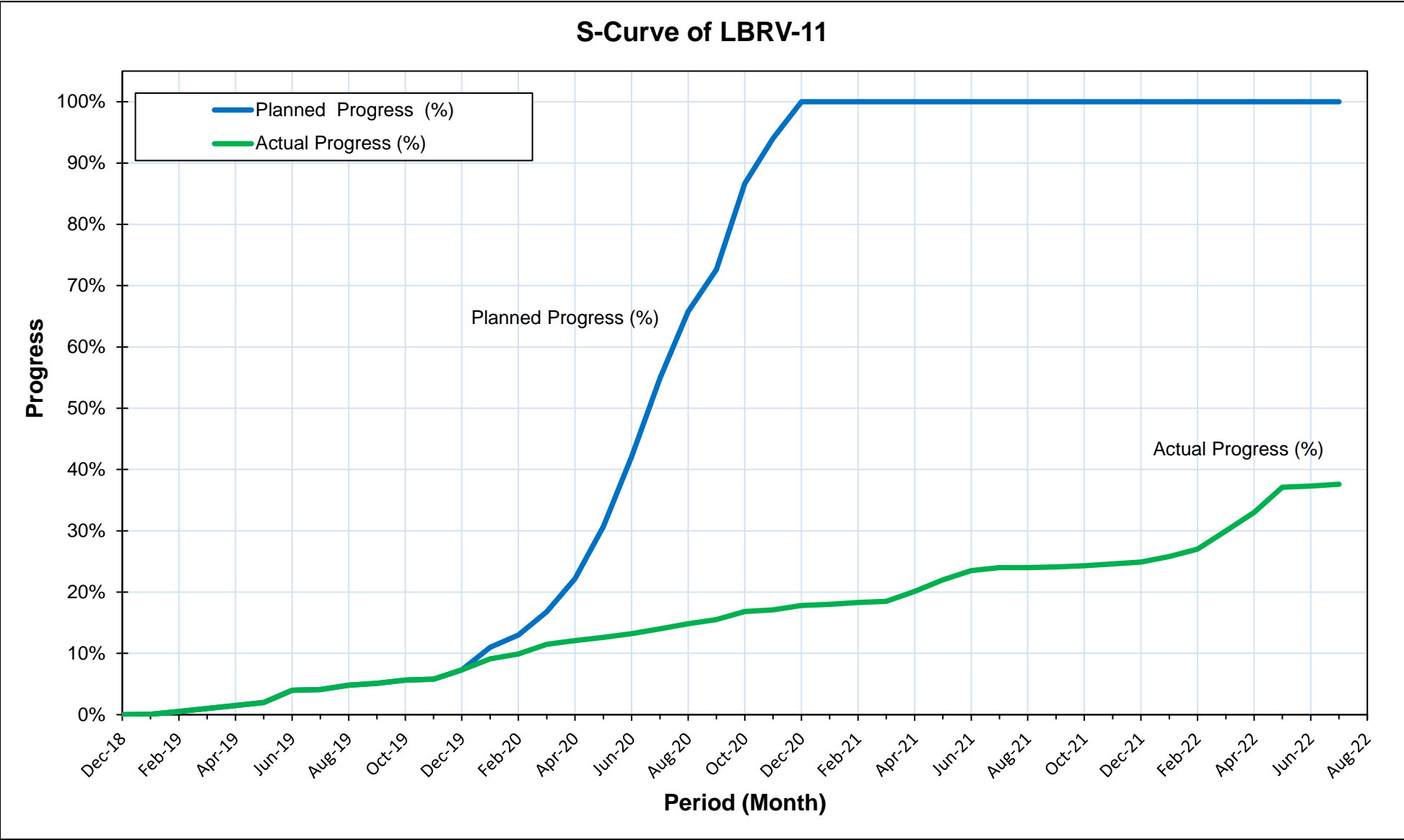


Figure 21: S-Curve for LBRV-11

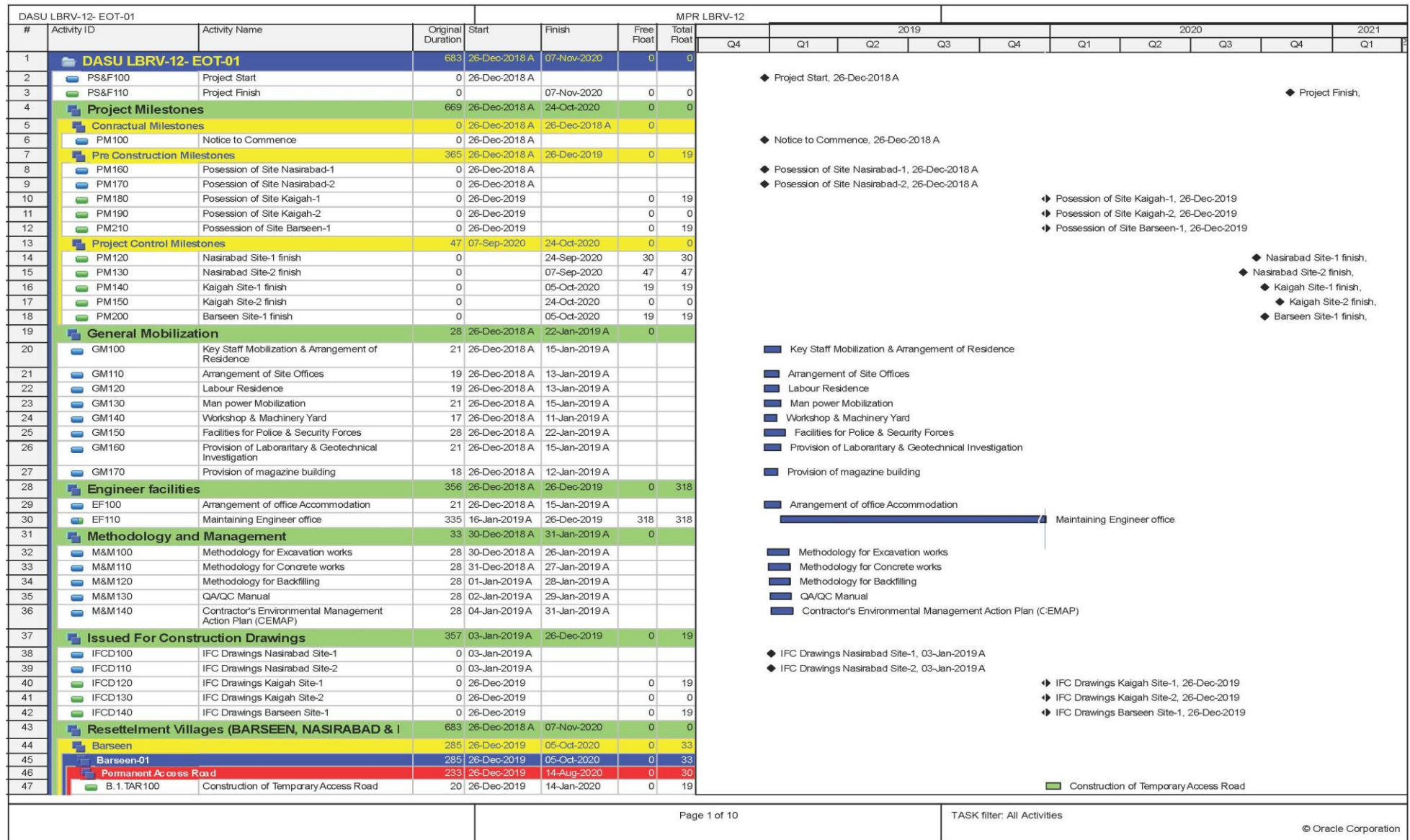
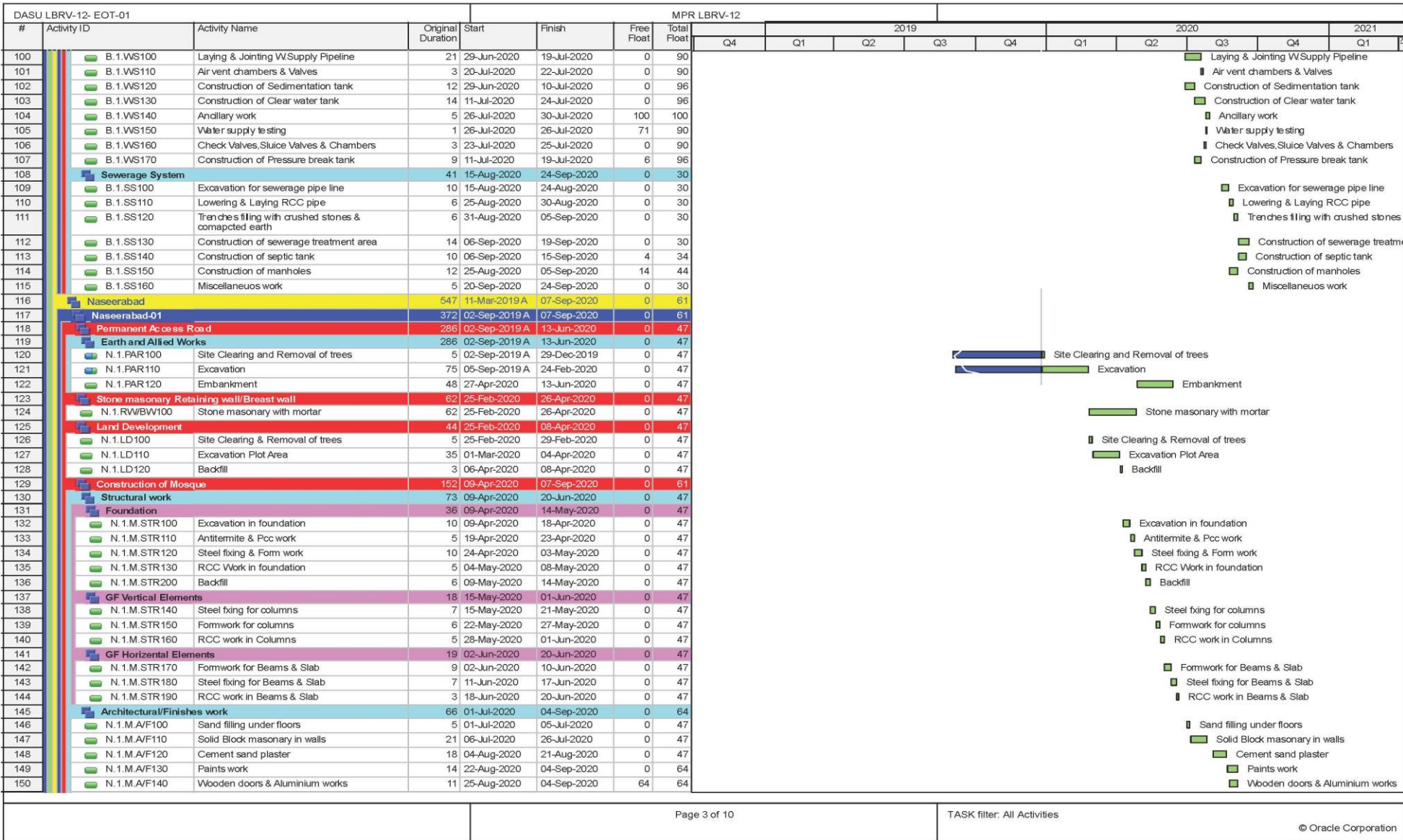


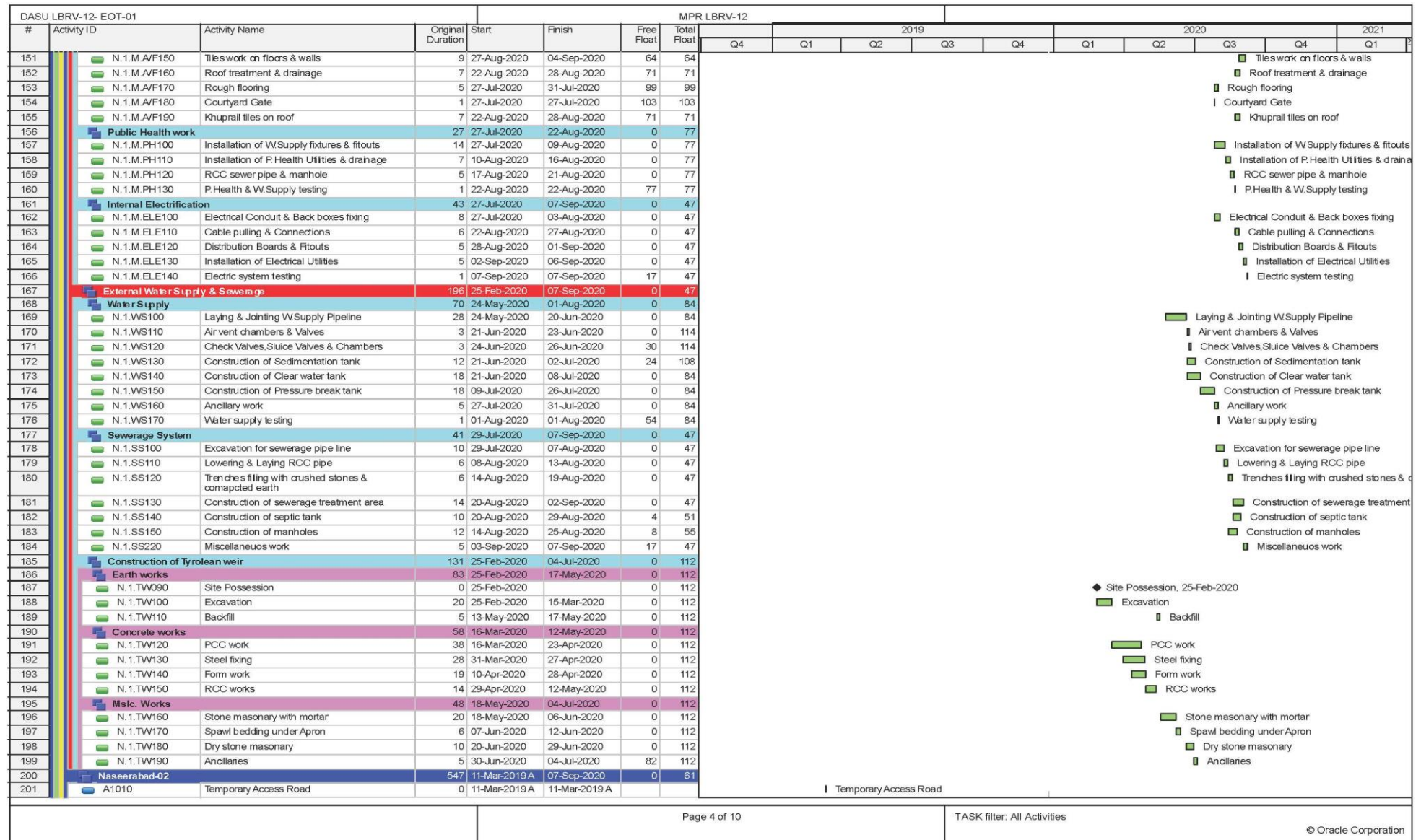
Figure 22: Gantt Chart of Dasu-LBRV-12 (1 of 10)

Dasu Hydropower Project Monthly Progress Report No. 96 (July 2022)

Figure 22 [3/10]

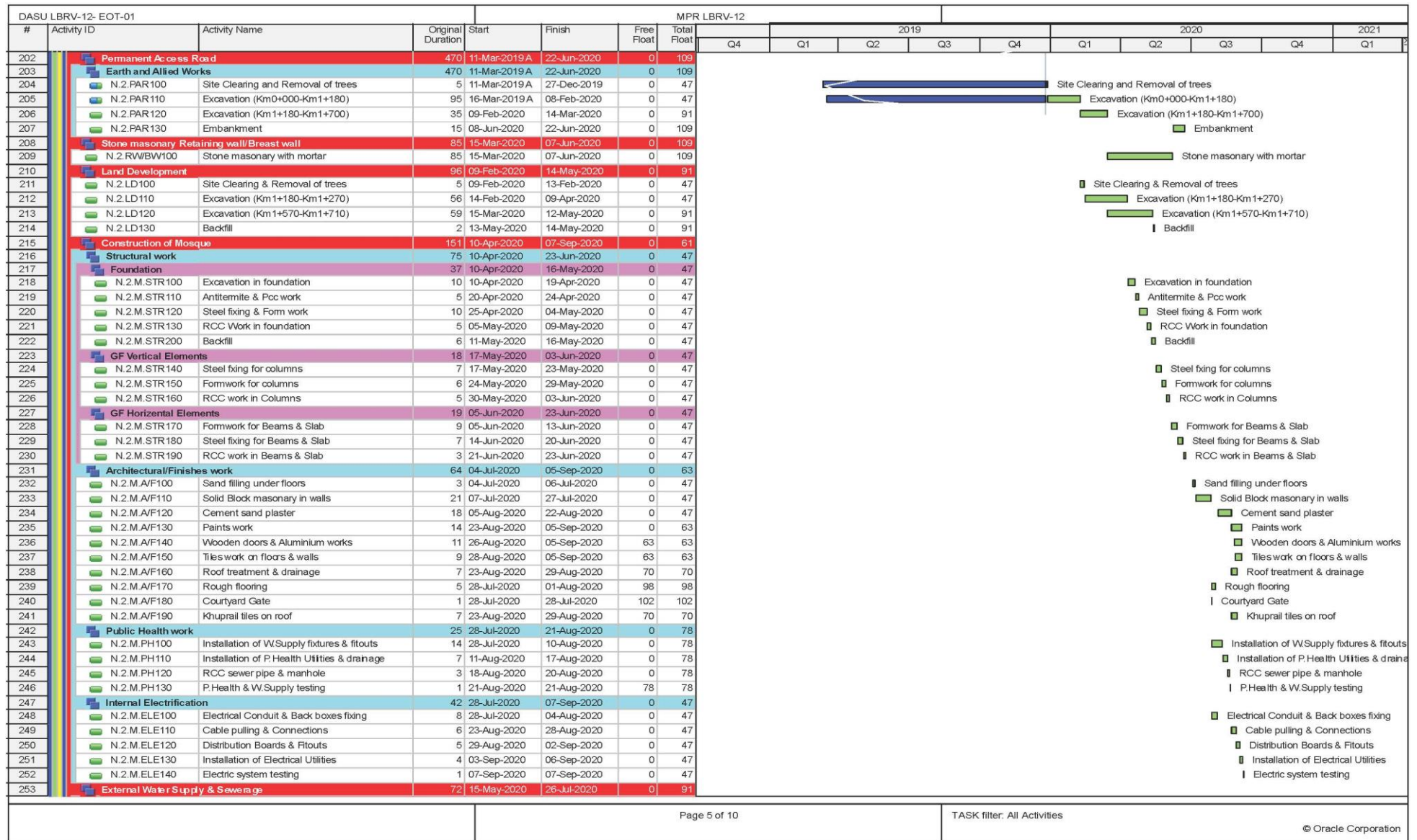


Gantt Chart of Dasu-LBRV-12 (3 of 10)



Gantt Chart of Dasu-LBRV-12 (4 of 10)

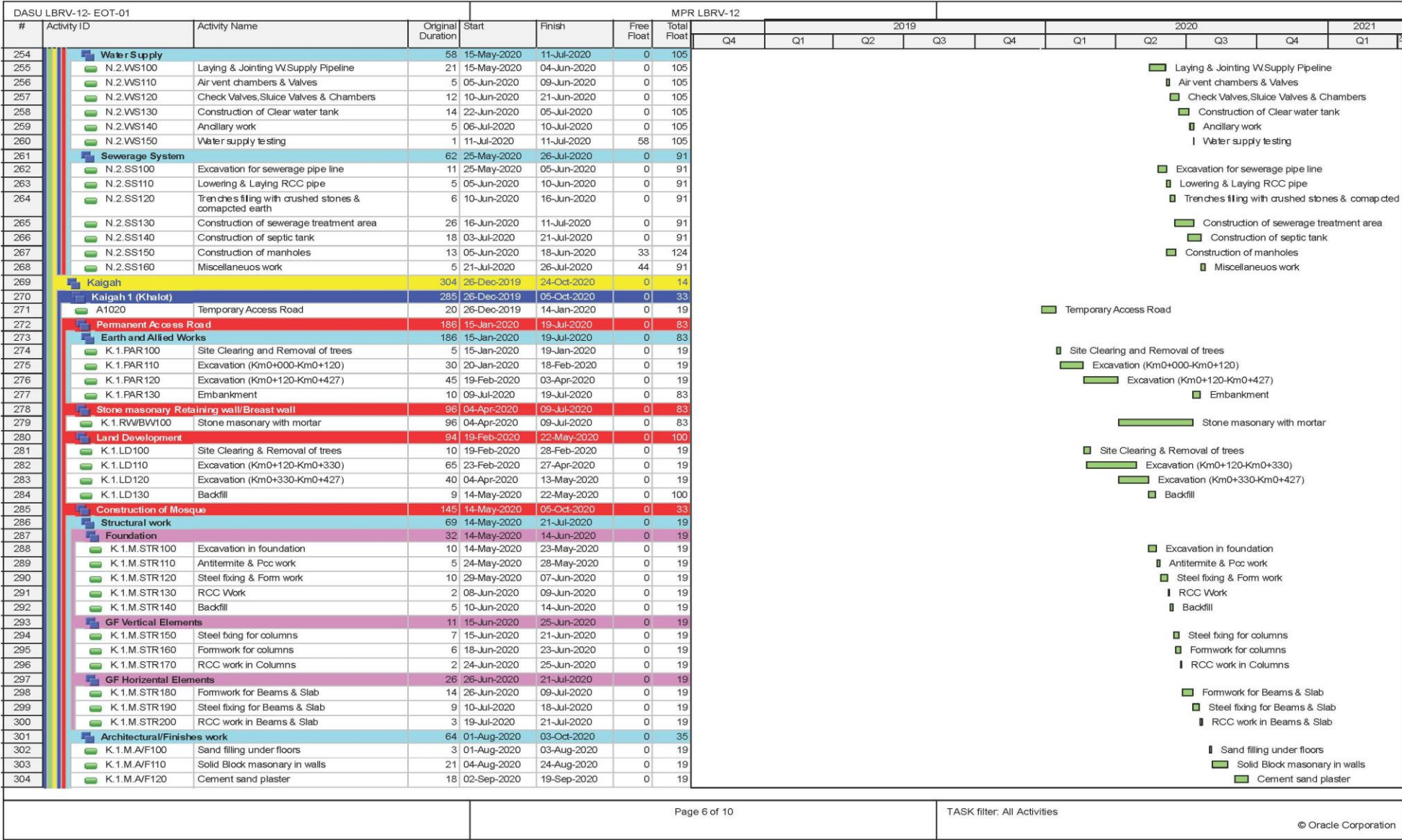
Figure 22 [5/10]



Gantt Chart of Dasu-LBRV-12 (5 of 10)

Dasu Hydropower Project
Monthly Progress Report No. 96 (July 2022)

Figure 22 [6/10]



Gantt Chart of Dasu-LBRV-12 (6 of 10)

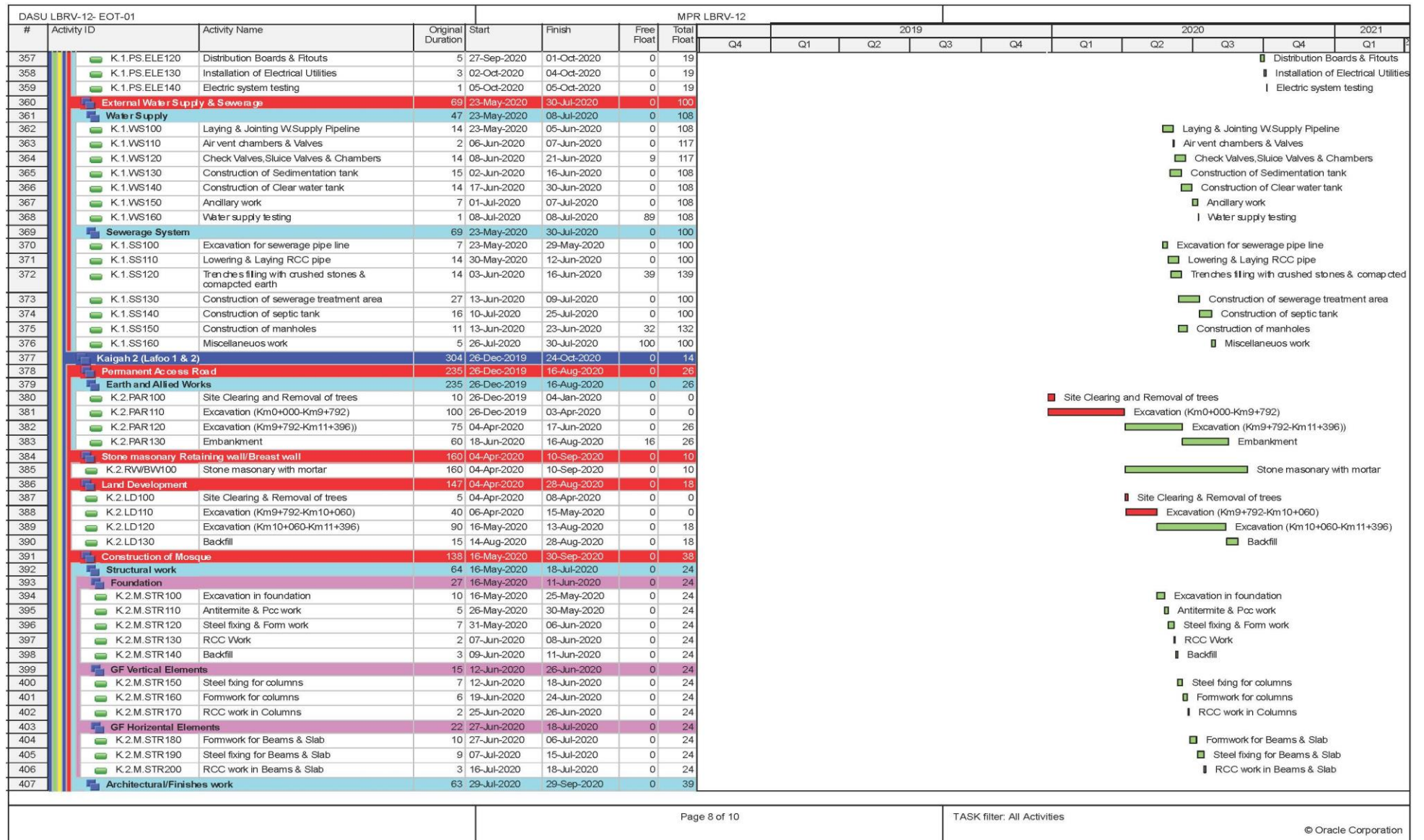
Dasu Hydropower Project
 Monthly Progress Report No. 96 (July 2022)

Figure 22 [7/10]

DASU LBRV-12- EOT-01			MPR LBRV-12														
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021	
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
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	Khuprai 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 fixing 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 Horizontal 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 masonry 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	Khuprai 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										

- Paints work
- Wooden doors & Aluminium works
- Tiles work on floors & walls
- Roof treatment & drainage
- Rough flooring
- Courtyard Gate
- Khuprai tiles on roof
- Installation of W.Supply fixtures & fitouts
- Installation of P.Health Utilities & drainage
- RCC sewer pipe & manhole
- P.Health & W.Supply testing
- Electrical Conduit & Back boxes fixing
- Cable pulling & Connections
- Distribution Boards & Fitouts
- Installation of Electrical Utilities
- Electric system testing
- Construction of Primary/Middle School
- Structural work
- Foundation
- Excavation in foundation
- Antitermite & Pcc work
- Steel fixing & Form work
- RCC Work
- Backfill
- Steel fixing for columns
- Formwork for columns
- RCC work in Columns
- Formwork for Beams & Slab
- Steel fixing for Beams & Slab
- RCC work Beams & Slab
- Architectural/Finishes work
- Sand filling under floors
- Block masonry in walls
- Cement sand plaster
- Paints work
- Wooden doors & Aluminium works
- Tiles work on floors & walls
- Rough flooring
- Main entrance Gate
- Khuprai tiles on roof
- Installation of W.Supply fixtures & fitouts
- Installation of P.Health Utilities & drainage
- RCC sewer pipe & manhole
- P.Health & W.Supply testing
- Electrical Conduit & Back boxes fixing
- Cable pulling & Connections

Gantt Chart of Dasu-LBRV-12 (7 of 10)



Gantt Chart of Dasu-LBRV-12 (8 of 10)

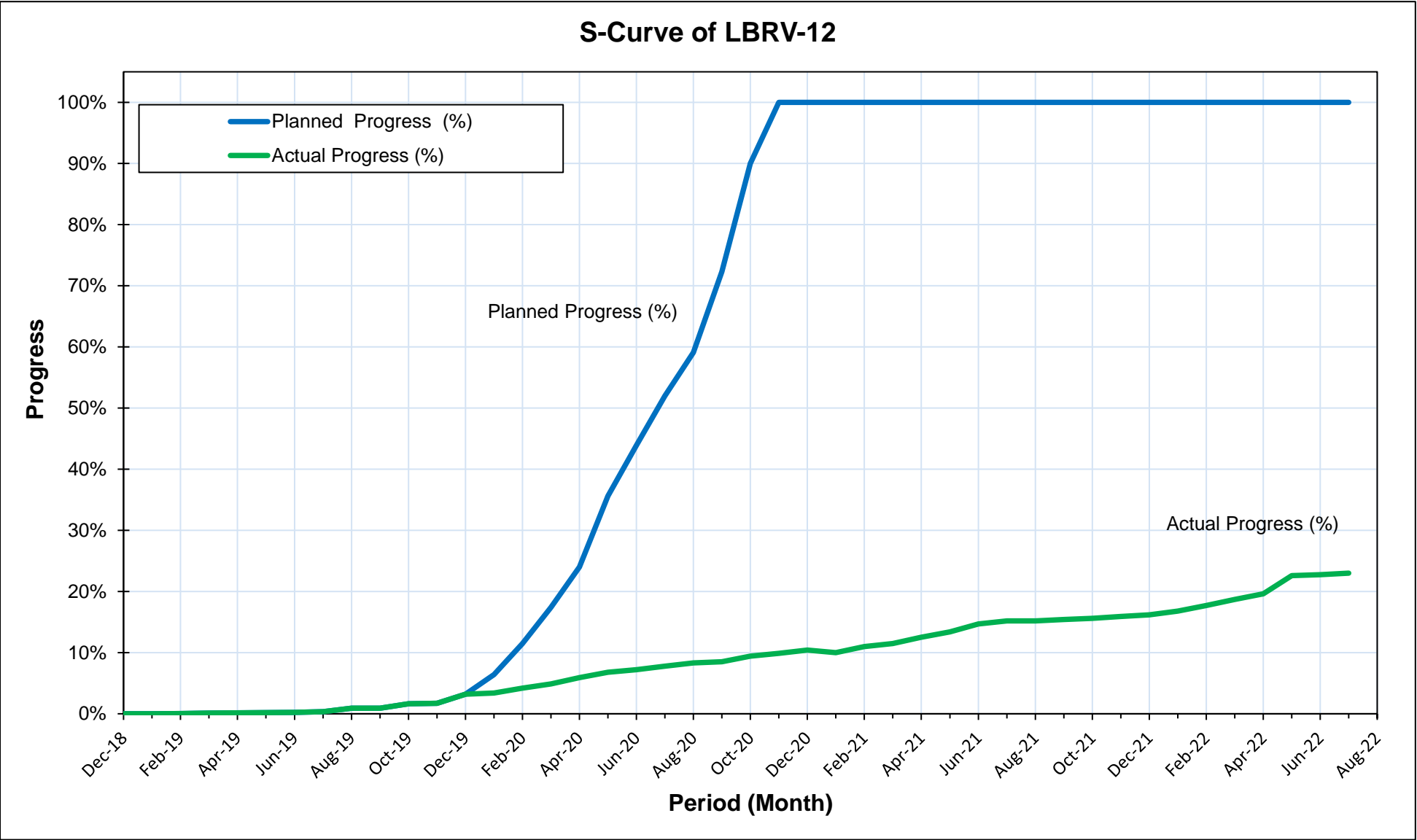


Figure 23: S-Curve for LBRV-12

Figure 24 [1/2]

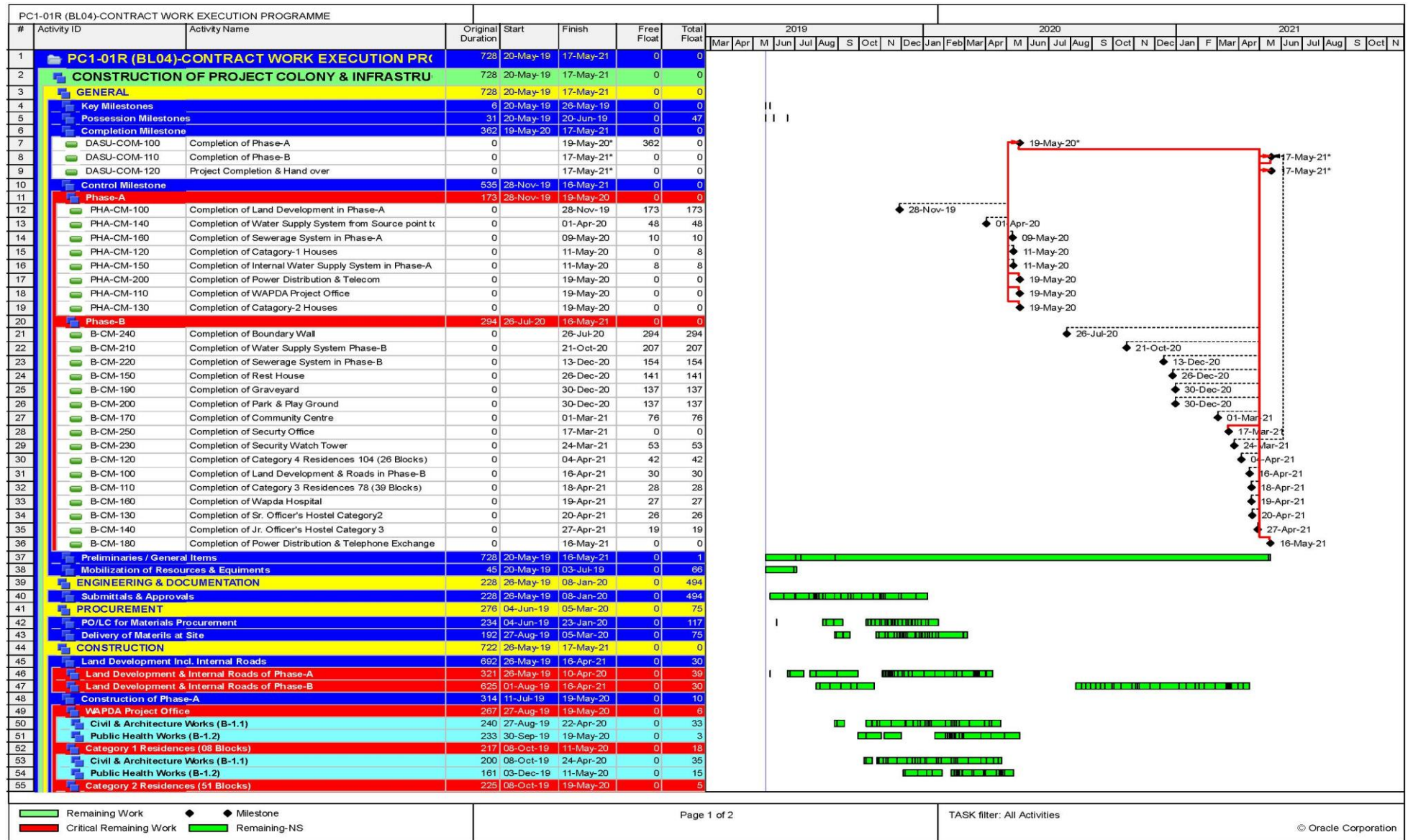
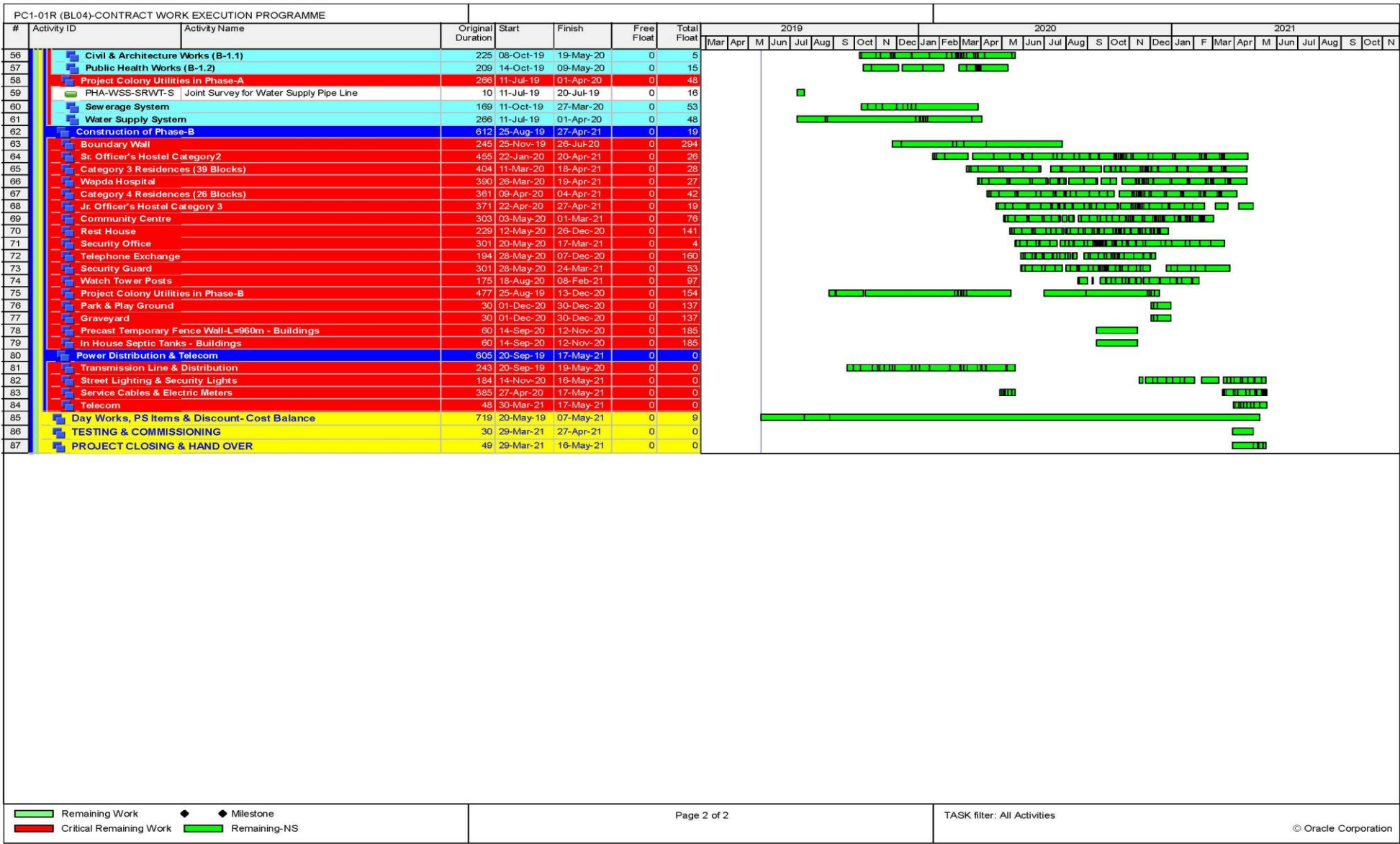


Figure 24: Gantt Chart of Dasu-PCI-01R (1 of 2)

Figure 24 [2/2]



Gantt Chart of Dasu-PCI-01R (2 of 2)

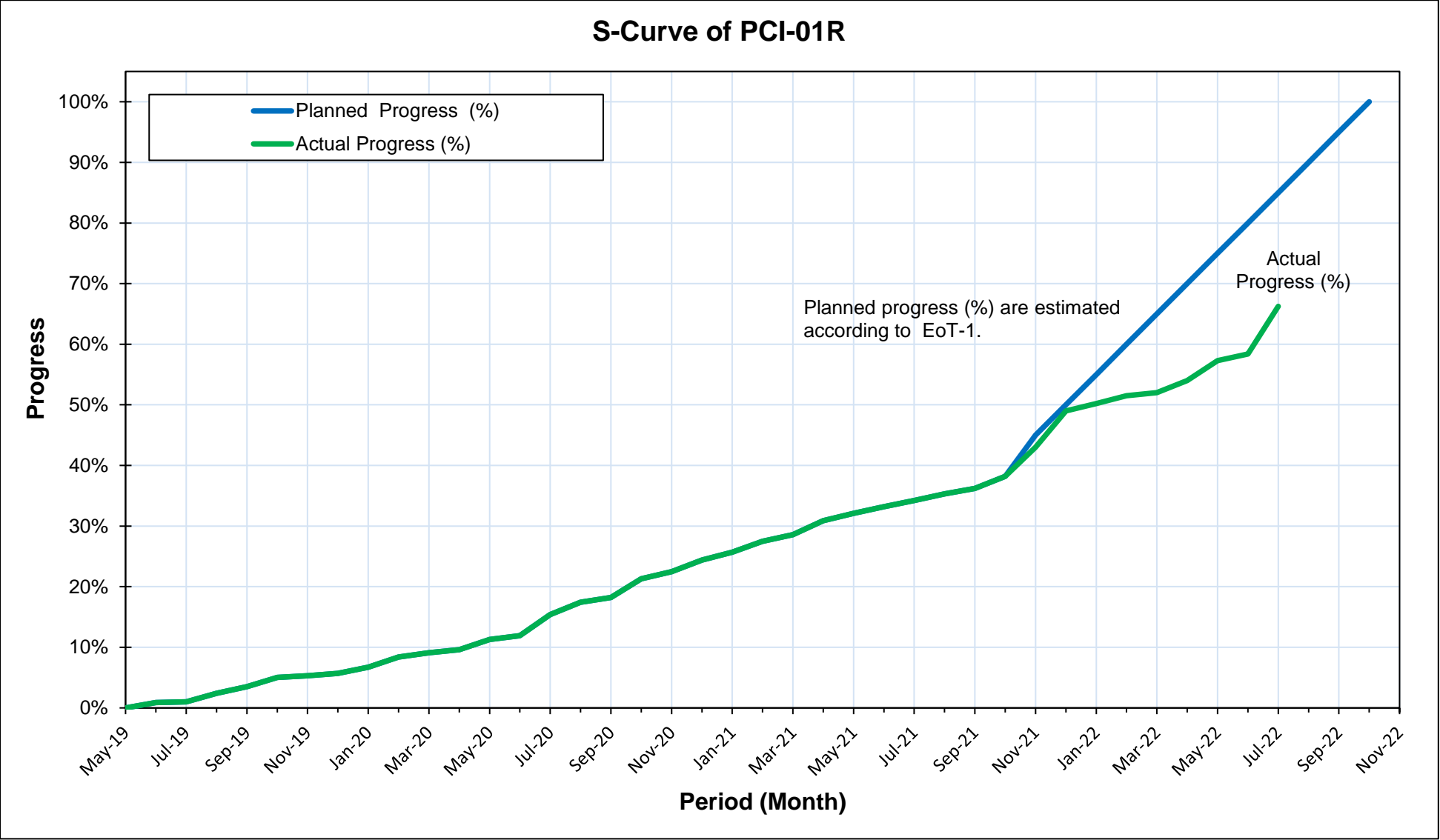
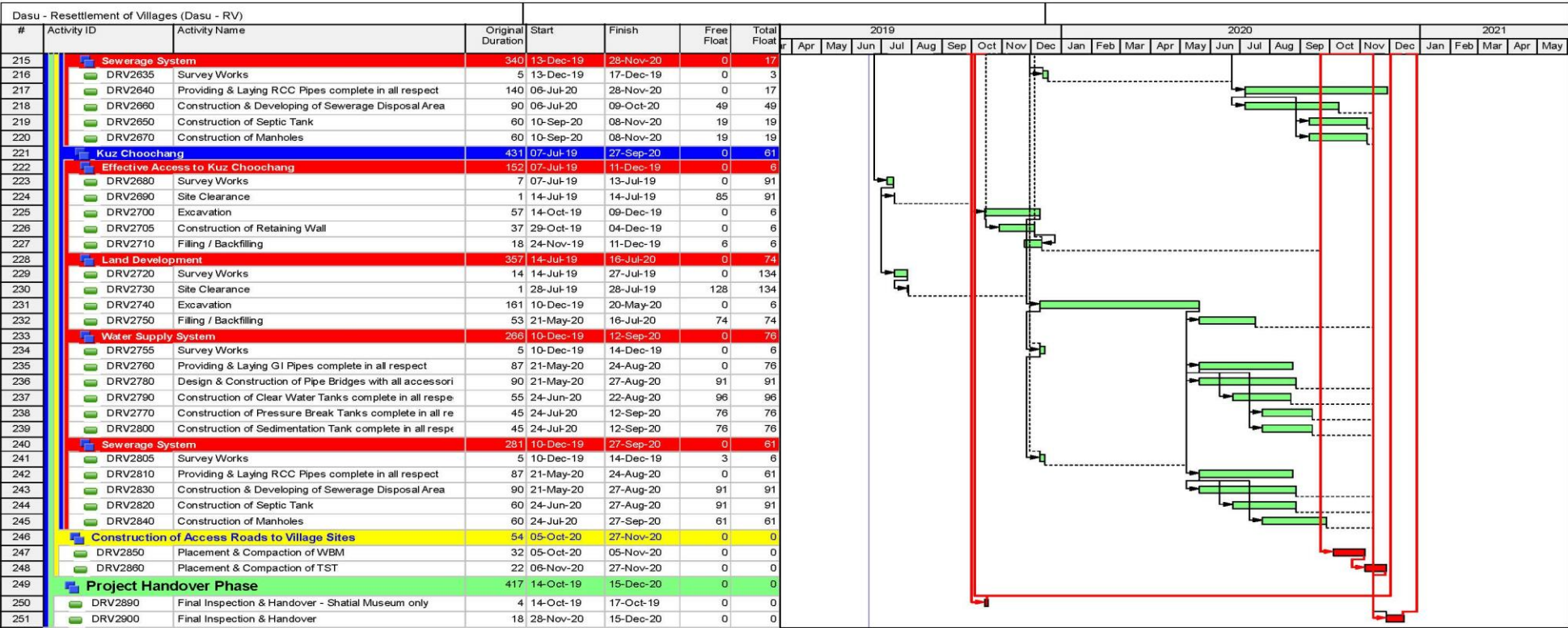


Figure 25: S-Curve for PCI-01R

Figure 26 [5/5]



Actual Work Critical Remaining Work
Remaining Work Milestone

Gantt Chart of Dasu-RV (5 of 5)

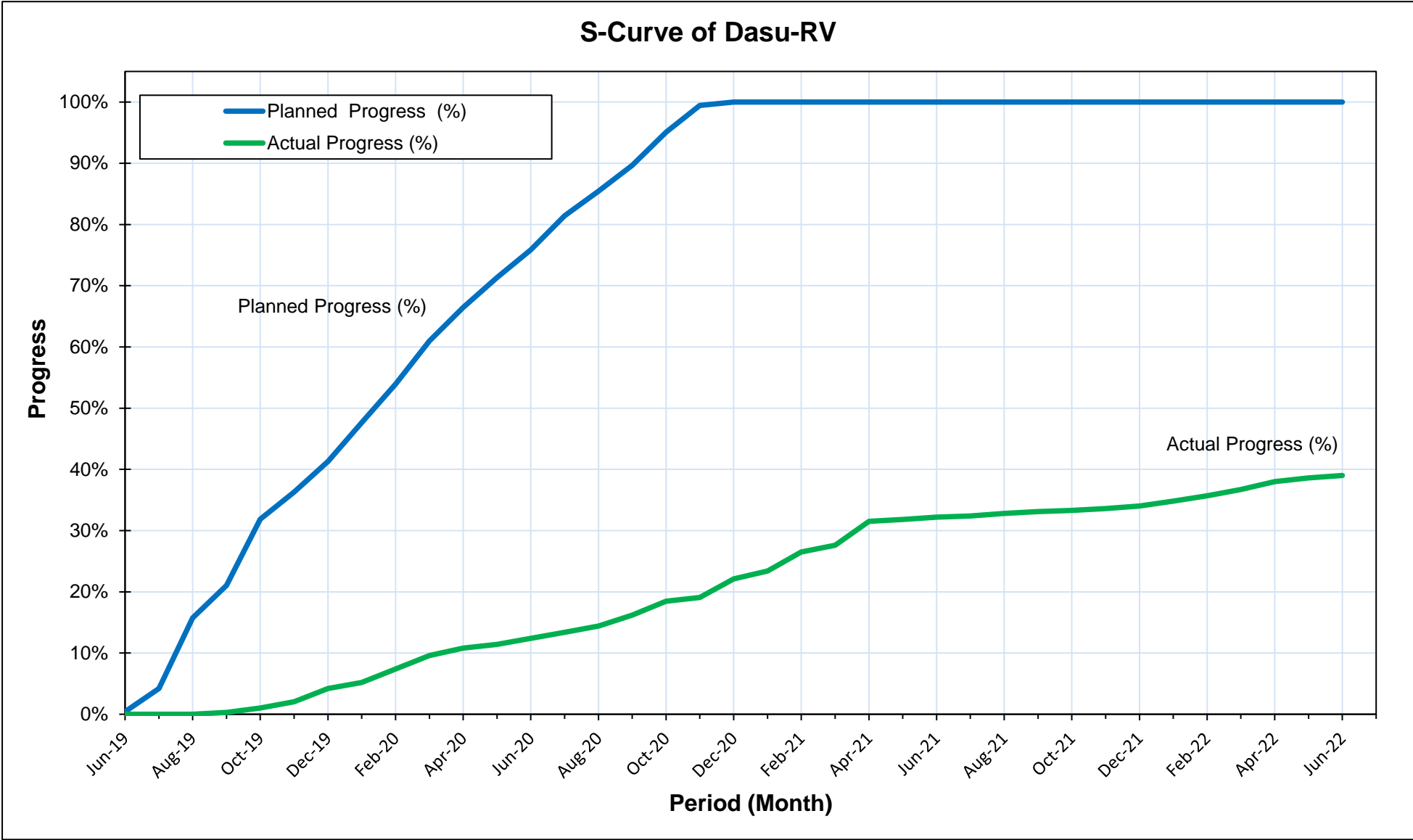


Figure 27: S-Curve for RV

Figure 28 [1/4]

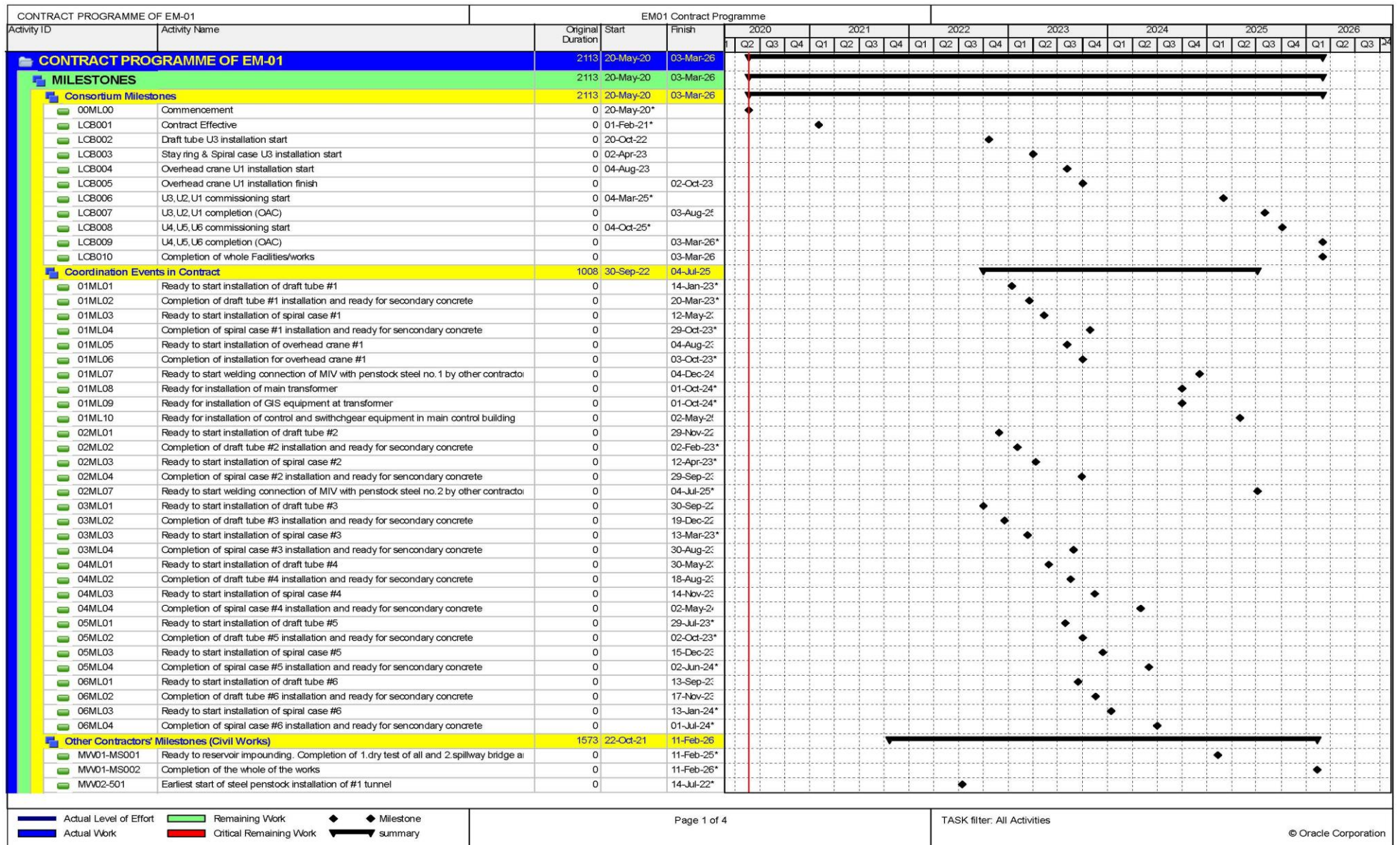
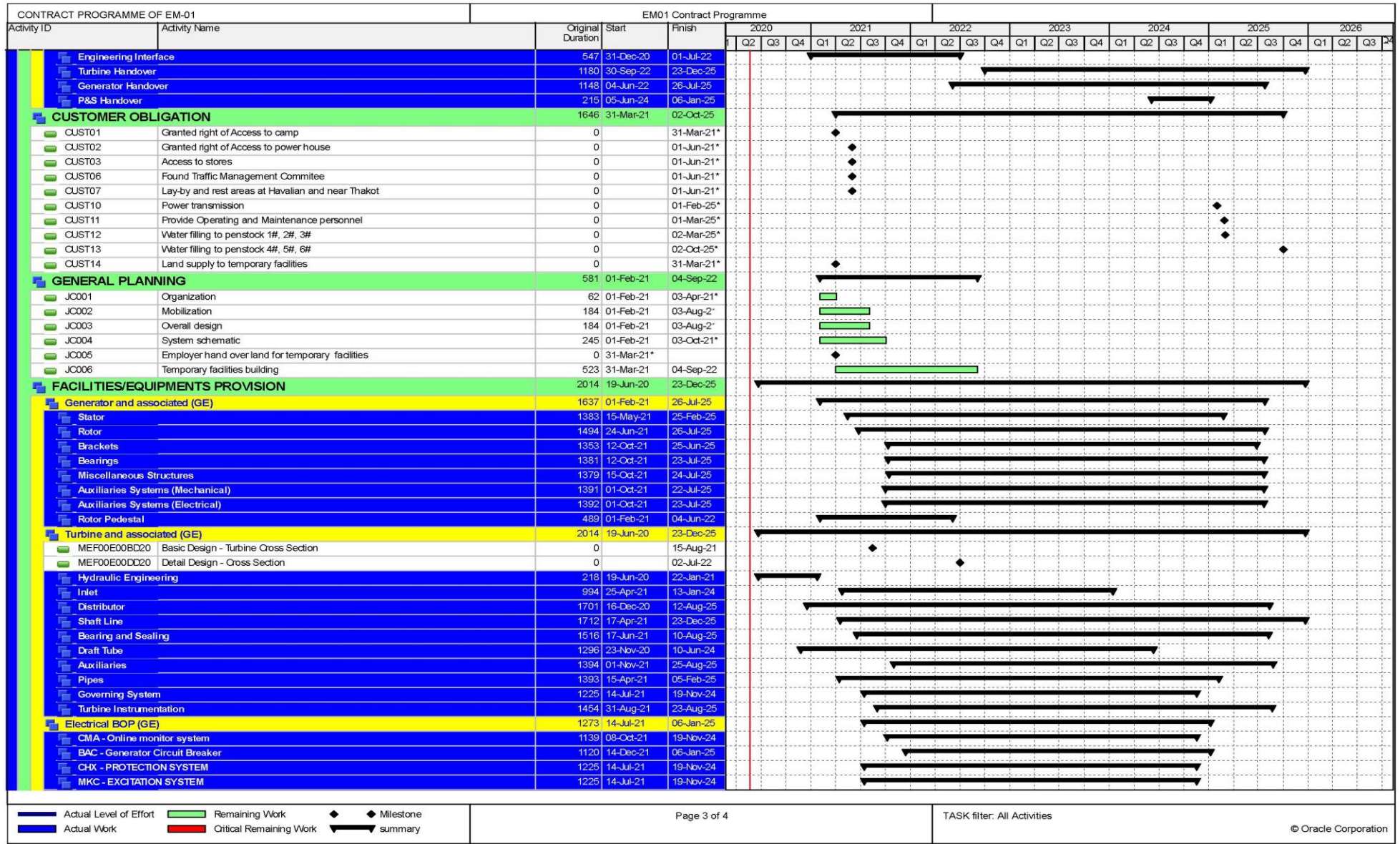


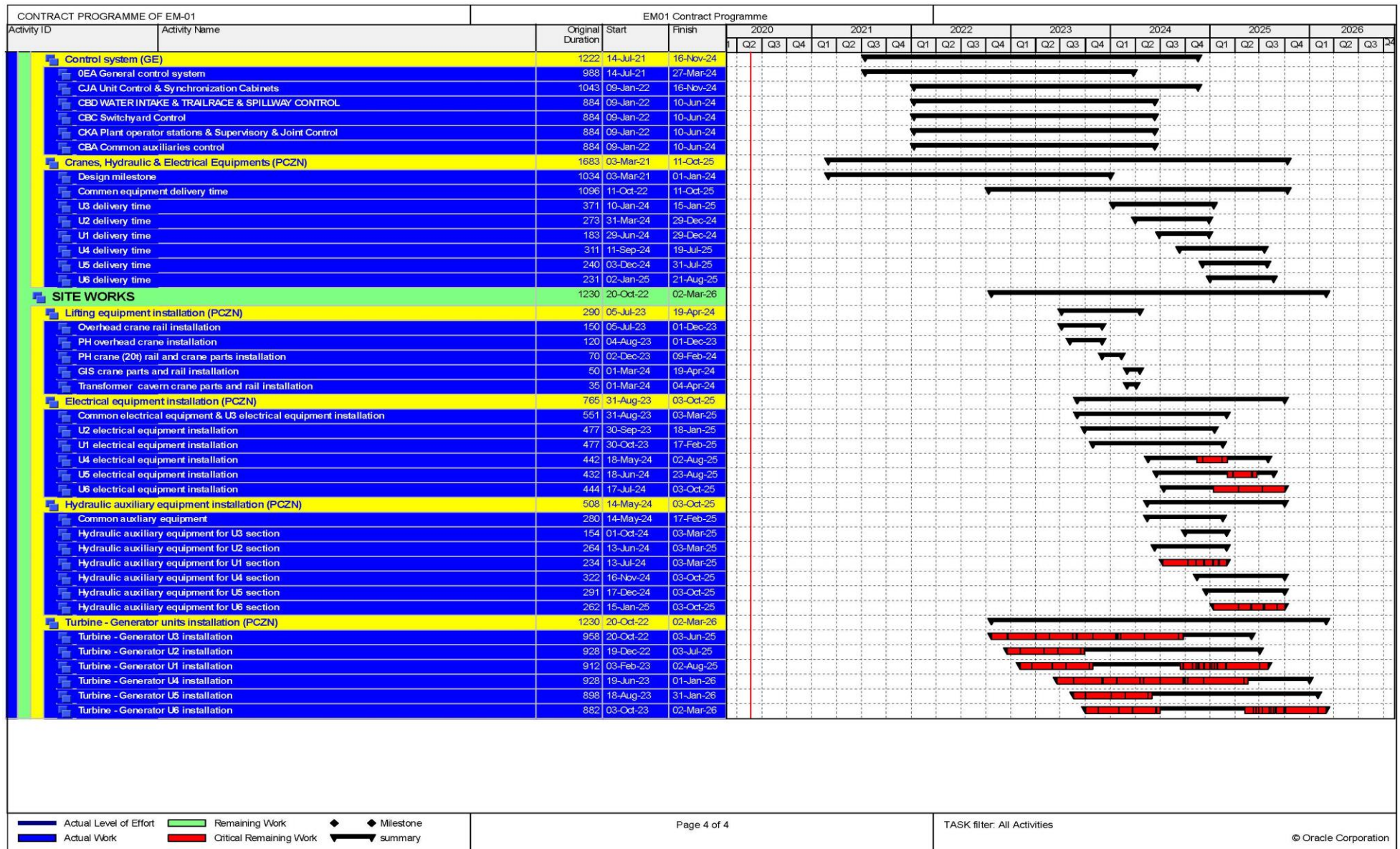
Figure 28: Gantt Chart of Dasu-EM-01 (1 of 4)

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)

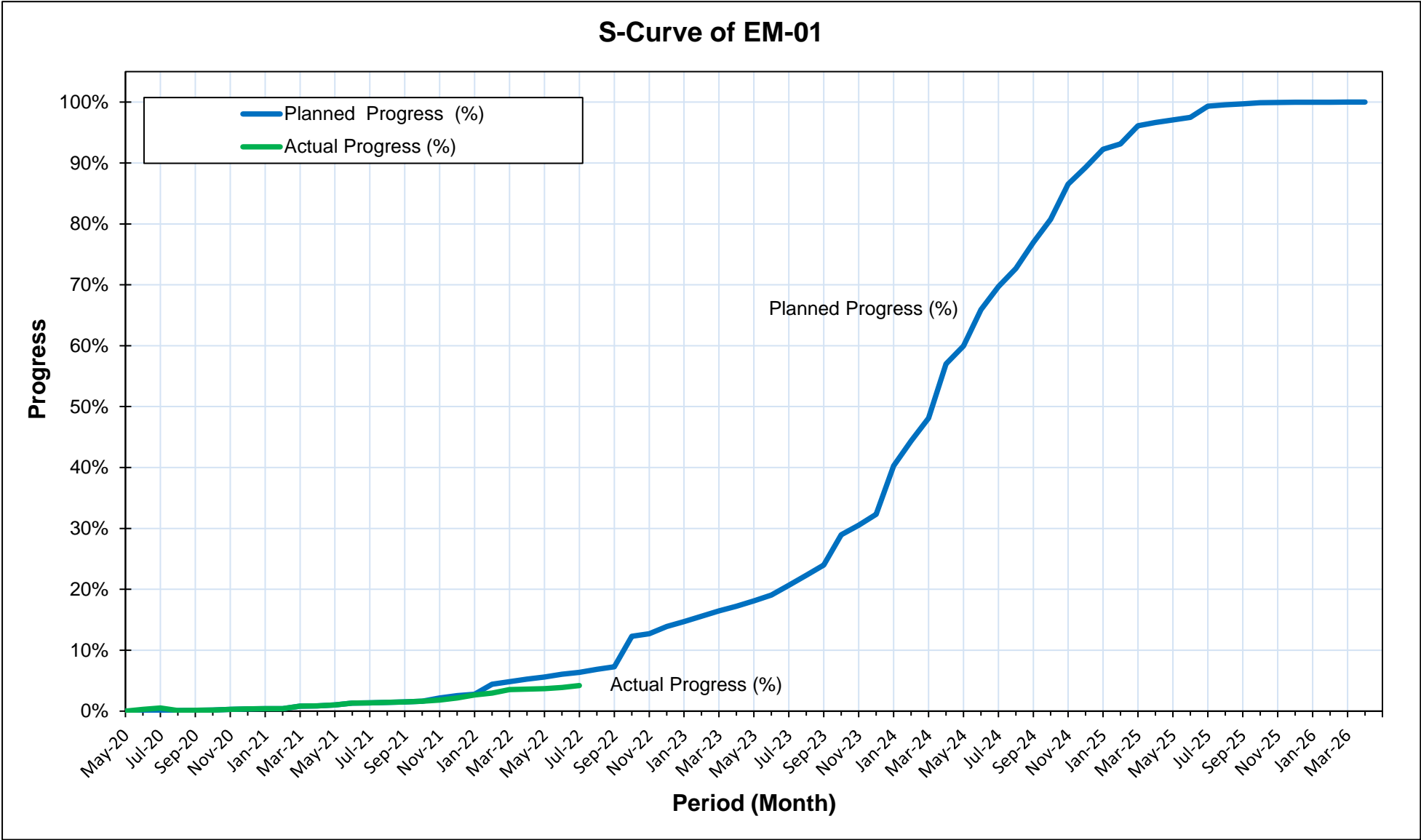


Figure 29: S-Curve for EM-01

APPENDICES

APPENDIX A

Project Activities Pictorial

Appendix A: Project Activities Pictorial

Photographs of Environment Section



Supervision of monthly spot water sampling and testing



District Monitoring Committee regarding NOC for crushing plant



Flood dated 24th July 2022



Flood of 27th July 2022

Photographs of OHS Section



A view of weekly joint site inspection by DHC OHS at DTB



stand down meeting held with CGGC top management and line manager at Barseen camp after fatal incident at CT2



OHS conducted defensive driving training session with CGGC drivers at Barseen camp



DHC OHS conducted awareness session with DHC and CGGC field staff on explosive handling



Routine TBT conducted by CGGC at CR2



Routine TBT conducted by CGGC at CR9



Daily TBT conducted by CGGC at DTA and DTB



Monthly ambulance AFI inspection conducted by DHC OHS at Barseen camp



Inspection of crane carried out by DHC OHS during joint inspection of tripartite at DTA



Inspection of sling/rigging equipment carried out by DHC OHS during joint inspection of tripartite at DTA



Stand down meeting held with PCCC at grid station after CGGC fatal incident happened at CT2



Stand down meeting held with CGICOP at grid station after CGGC fatal incident happened at CT2



Stand down meeting held with CGGC KKH-02 contract after CGGC fatal incident happened at CT2



A view of road closure and signage during blasting operation at RAR-02



Monthly fire extinguisher inspection of CGGC conducted by DHC OHS at CR9 workshop



Monthly inspection of CGGC first aid box was conducted at CR9 office by DHC OHS



EDB safety inspection conducted by DHC OHS inside MAT.



Checking effectiveness of communication system at STC junction by DHC OHS

Photographs of Social & Resettlement Section



FVC Team after field verification of Siglo Area on 05-07-2022



Field Verification of houses in Siglo Area on 01-07-2022



R&R team working on Scanning and preparation of duplicate copies of SMR paid files at DHC Jirga Hall



Inspection visits with Advisor R&R WAPDA for Damaged Houses due to Blasting at Tailrace Area



Meeting RSC, signing of ESMR Files and drafting of MOM on 5-7-2022



Joint visit of S&R team and along with RE infrastructure to RV Chuchang-04 & 01



Joint meeting of S&R team and Gender Specialist on Lady Health Visitor Course proposal on 27-7-2022



S&R team preparing SMR at DHC Office



S&R team paying TRP Payment to the AHHS of Logro & Chuchang in WAPDA Offices.



S&R team preparing ESMR Paid files the Payment of remaining Project allowances



WAPDA Accounts Officer giving ESMR payment Cheque to AHH at DC office



Member of Payment Committee working on disbursement of ESMR Cheques at DC Office



Resettlement Inspector DHC providing TRP cheque to AHHS from RAR-01 (ROW) component



A&B Officer WAPDA presenting TRP cheque to AHH from RAR-01 (ROW) component



A&B Officer WAPDA presenting TRP cheque to AHH from Khushi Dumping Area Component



AHHs from KKH-01 (ROW) component showing received TRP cheque at WAPDA office.



Beneficiaries from Kass 1 File 1 and Kass 1 File 3 area showing received cheques of final lease payment at WAPDA office on 26-07-2022



PAPs showing cheques of Lease payment on 6-07-2022



PAPs showing cheques of Lease payment on 6-07-2022

Photographs of KKH-01 & 02, RAR-01 & 02 & TL-01



KKH-01_Backfilling Work at K3 Tunnel



KKH-01_Preparatory Works for Tunnels & Bridges



KKH-02 Charging for Blasting at K31 Access Road



KKH-02 Excavation at K28 access Road



RAR-01 Excavation and loading 0+650



RAR-01 Excavation and loading 2+130



RAR-02 Excavation at K13+200



TL-01 Access Road to Grid Station & Control building



TL-01: Foundation work for switchgear equipments of Grid Station



TL-01: Arc welding of nuts and bolts at T-68A

Photographs of MW-01 & MW-02



MW-01_ Fixing Formwork for concrete at Shear zone of Diversion tunnel B



MW-01_ Excavation at Left Bank Traffic Diversion Tunnel Outlet portal



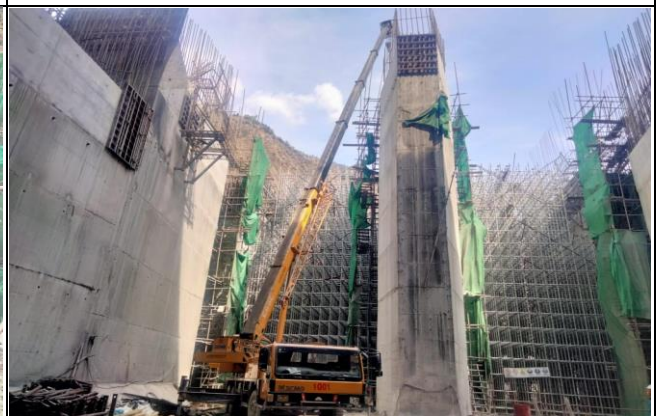
MW-01_Civil work at Uchar Crsushing Plant



MW-01_Diversion tunnel Outlets from RAR



MW-01_Diversion Tunnel-A Inlet outside



MW-01_Diversion Tunnel-A outside



MW-01_Diversion Tunnel-B Down Stream



MW-01_Diversion Tunnel-B Inlet slab part



MW-01_Diversion Tunnel-B outside



MW-01_Excavation of Left bank Traffic Diversion Tunnel



MW-01_Right Bank Excavation for Cable Crane



MW-02_Support work for the switchyard at El. 970



MW-02_Additional Support work at Transformer cavern



MW-02_Additional Support Work at Powerhouse



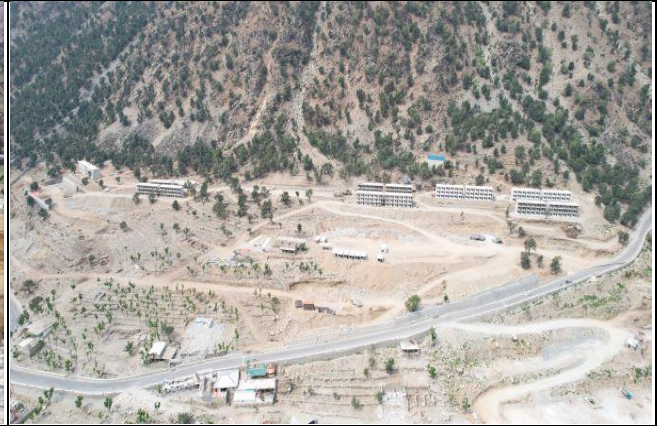
MW-02_Excavation at CT-02 at K0+000



MW-02_Excavation at CT-02 at K0+90m



MW-02_Excavation at Switchyard



MW-01 and MW-02_Construction of Kass Camp of CGGC on the Right Bank

Photographs of EM-01, LBRV-11, 12, PCI-01R & RV



Contractors Camps near Uchar Nullah after flood side on the left Bank



EM-01_Construction of Kass Camp



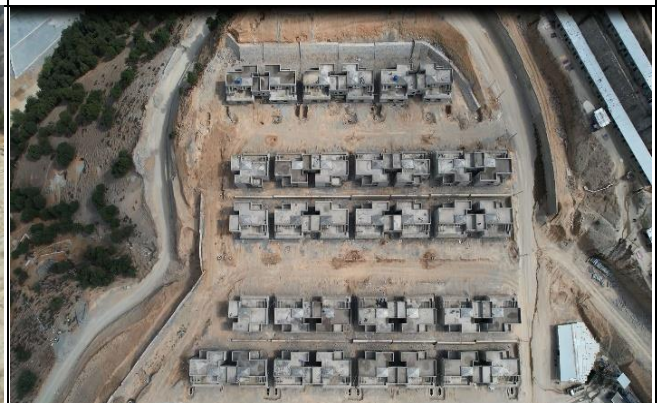
EM-01_U3# Draft tube elbow Completed in abroad country



EM-01_U3# Headcover Fitting in process in China



LBRV12_Finishing work of Mosque at Nasirabad2



PCI-01R_Finishing work at Cat-2 Residences



PCI-01R_Finishing work at Project Office and Cat-1 Residences



PCI-01R_Finishing work at Project Office Building



PCI-01R_Finishing work at Project Office Building1

APPENDIX B

The Envisaged Man Months

APPENDIX C

Submission of Deliverables

Appendix C: Submission of Deliverables

Date	Subject
01.07.22	Interim Payment Certificate No.31.PCI-01R
05.07.22	Submission of Revised Report on Updating Detailed Design Time Schedule and Cost Estimate for Dasu Stage-II (Rev. E)
05.07.22	LADP-Monthly Progress Report No.39 for the Month of June 2022
05.07.22	LADP-MSWM-Draft Bidding Document
05.07.22	Interim Payment Certificate No # 31.RAR-01
19.07.22	MPR No.95 for the Month of June 2022 under Assignment-B
19.07.22	LADP-JMK-Interim Payment Certificate No.5
19.07.22	VO-012-Supply and Installation of Expansion Joint Filler and Backing Rod in Project Office, Community Center, Hostel Cat-3 and Hospital Buildings.PCI-01R
19.07.22	V0-011- Supplying and Installation of False Ceiling (Gypsum Board) in Project Office Building Complete in all Respect.PCI-01R
22.07.22	V0-003-Slope Protection Works at Khoshe-1.LBRV-11
22.07.22	Slope Protection Works at Uchar -01.LBRV-11
22.07.22	VO-001-Slope Protection Works at Nasirabad Site -1 and Site -2.LBRV-12
22.07.22	Interim Payment Certificate No # 29 - For Aprii-May-2022.MW-01
22.07.22	Interim Payment Certificate No. IPC NO. 61.TL-01
23.07.22	Interim Payment Certificate No # 29 - For Aprii-May-2022.MW-02
29.07.22	Report on the Perceptions of PAPS for Utilization of Compensation Money
31.07.22	Inspection Report of M&S Visit to Dasu Hydropower Project (March 2022)
31.07.22	LADP-Engineer Estimate for 04 Water Supply Schemes

APPENDIX D

List of Meetings

Appendix D: List of Meetings

Date	Meeting With	Place	Subject
01.07.22	DHC KGL	DHC Meeting Room	Minutes of Meeting Regarding Follow Up Meeting on OHS NCR-1-SA-01
18.07.22	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for MW-01 and MW-02
19.07.22	DHC CGGC	DHC Meeting Room	Minutes of Meeting MW-02
20.07.22	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for KKH-01
20.07.22	WAPDA DHC ZEGL	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for LBRV-11&12
21.07.22	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting.PCI-01R
21.07.22	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for RAR-01
21.07.22	WAPDA DHC PCCC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for TL-01
21.07.22	WAPDA DHC PCCC	Employer's Office	Minutes of Overall Progress Review Meeting
26.07.22	DHC CGGC	DHC Meeting Hall	Minutes of Weekly Progress Meeting
27.07.22	DHC CGICOP	CGICOP Site Office	Progress Review Minutes of Meeting PCI-01R

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.	05.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/3855-60	Request for Approval of Mr. Muhammad Zubair Rafique for the Position of Jr M&E Professional (L80) as a Replacement of Mr. Farhan Aslam	
2.	05.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/3861-66	Request for Approval of Mr. Sajjad Aslam against TBN Position of Jr. M&E Professional (Environment) (L104)	
3.	18.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/4026-36	Submission of Draft of Revised PC-I for Stage-I and Stage-II	
4.	21.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/5065-68	Request for Approval of Mr. Saqib Siddiq for the Position of Sr. Migration Management (L129) as a Replacement of Mr. Irfan Mahmood Janjua	
5.	21.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/5069-74	Request for Approval of Mr. Waleed Saqib against TBN Position of Jr. Road Engineer (RAR-02) L90	
6.	21.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/575-80	Request for Approval of Mr. Ahmad Hussain for Position of Jr. Road Engineer (KKH-02) L91 as a Replacement of Mr. Rao Ali Haider	
7.	21.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/5091-94	Request for Approval of Mr. Sultan Zeb for TBN Position of Sr. Electrical Engineer (Solar Panel) / construction Planner (LA22)	
8.	27.07.22	CE/PD/WMSC/Dasu HPP/Maintenance/33	Maintenance of 4 No Physical Models of Dasu HPP for the Period from 01.07.2022 to 30.06.2023 at HRS, Nandipur	
9.	28.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/5199-5204	Request for Approval of Mr. Imran Nazir for Position of Jr. Costing & Construction Planner /Schedule Monitoring Engineer L85 as a Replacement of Mr. Naveed Khan	
10.	28.07.22	GM/PD/Dasu Hpp/Accts/5217-20	Release of Payments of Reimbursable Invoice No. 091 for the Month February 2022	
11.	28.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/5221-25	Proposal for Promotion of Mr. Raheel Ahmad Rana from Position Principal Contract Engineer to Chief Contract Engineer (K47)	
12.	29.07.22	GM/PD/DHPP/Dir(C)/6B(CS)/5233-37	Request for Promotion of Mr. Fawad Afzal from Position Jr. Document Controller-1 (L123) to Sr. Document Controller (NP17)	
Dasu Office				
13.	01.07.22	GM/PD/DHPP/Dir(C)/DHC/(Audit)/3801-04	Audit of Payments Made to DHC for Consultancy Services on DHPP for the Period from 10.2016 to 04.2020	
14.	01.07.22	GM/PD/DHPP/Contracts/GEN/01A/8815-16	Application of Tender Discount Letter of Appreciation and Shields	
15.	01.07.22	GM/PD/DHPP/Security/872-74	Operational Readiness of Troops	
16.	01.07.22	GM/PD/DHPP/Dir(C)/DHC(Audit)/3801-04	Audit of Payments made to DHC for Consultancy Services on Dasu Hydropower Project for the Period from 10-2016 to 4-2020	
17.	02.07.22	GM/PD/DHPP/Security/881-86	Outstation Movement of Expatriates	
18.	33.07.22	GM/PD/DHPP/Security/878-83	SOP Violation - Outstation Movement of Foreigners	
19.	04.07.22	GM/PD/DHPP/Security/894	Placement of QRF Ex Dir Scouts at Zaal Camp	
20.	02.07.22	GM/PD/DHPP/Security/887-93	Coordination Meeting with DHC Contractors on Security Issues	
21.	05.07.22	GM/PD/DHPP/Security/898-900	Comments on Construction of Watch Towers Security Check Posts at Kass Camp Site	
22.	05.07.22	GM/PD/DHPP/Security/895-97	New Camps Working Sites (895-97)	
23.	06.07.22	GM/PD/DHPP/Contracts/GEN/01/8975-81	Minutes of Meeting of Chairman WAPDA With Dasu Hydropower Project Consultants (DHC)On 17.06.2022 At Mega Hydel Project Complex Islamabad	
24.	04.07.22	GM/PD/Dasu HPP/CE (S&D)/2022/8836-38	Application From Mr.Shafiq ur Rehman s.o Gul Ahmad R.o Komila Tehsil Seo District Kohistan	
25.	01.07.22	GM/PD/Dasu HPP/CE (S&D)/2022/8817-20	Application Of Mr.Gul Rahman S.O Noor Muhammad Through Deputy Commissioner (Upper Kohistan)	
26.	07.07.22	GM/PD/DHPP/9049-52	Current Flood Situation at DHPP	
27.	06.07.22	GM/PD/DHPP/Admn/DHC/9016	Application Submitted by Mr. Faiz, Resident of Choochang	
28.	06.07.22	GM/PD/DHPP/Contracts/M&S/3B/9040-45	Inspection Report of M&S Visit to DHPP (March 2022)	
29.	07.07.22	GM/PD/DHPP/Security/909-13	Road Blockade Due to Blasting on KKH Between Panibah - Kaigah	
30.	07.07.22	GM/PD/DHPP/Security/919-22	Sharing of Information of Work Sites -Future plans of Construction Activities	
31.	15.07.22	GM(C&M)W/DP-38/967	Glacial Lake Outburst Flood (Glof) Predicted In KPK and Gilgit Baltistan	
32.	15.07.22	GM/PD/DHPP/S&D/A-46/9061-66	Minutes of Meeting held WAPDA , (DHC) and NESPAK on 14.07.2022 at Mega Hydel Projects Complex Islamabad	
33.	18.07.22	GM/PD/DHPP/Security/926-28	Outstation Movement of Expatriates	
34.	18.07.22	GM/PD/DHPP/Security/923-25	Outstation Movement of Expatriates	

**Dasu Hydropower Project
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Appendix E [2/22]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
35.	18.07.22	GM/PD/Dasu HPP-6B(CS)/4026-36	Submission of Draft of Revised PC-1 for Stage -I and Stage -II	
36.	22.07.22	GM/PD/DHPP/Security/944	Provision of Data of Foreigners	
37.	26.07.22	GM/PD/DHPP/Security/947	Coordination Meeting- Outstation Movement of Expatriates and Other security issues	
38.	25.07.22	GM/PD/DHPP/Contracts/GEN/01/9243-46	Application of Provincial Sales Tax (PST) -KP	
39.	27.07.22	GM/PD/DHPP/Security/951-53	Outstation Movement of Expatriates	
40.	29.07.22	GM/PD/DHPP/Security/966-69	Outstation Movement of Expatriates	
41.	28.07.22	GM/PD/DHPP/Security/959-63	Visit to Geni Camp - Security Issues	
42.	28.07.22	GM/PD/DHPP/Security/964-65	Construction -Repair Works Required on Various Posts in Camps	
43.	28.07.22	DDS/DHPP/Security/955-58	Schedule of Outstation Movement of Expatriates for the Month of August ,2022	
44.	28.07.22	GM/PD/DHPP/Contracts/DHC/111/9395-97	Flood Damages Report Along with Remedial Measure	
45.	29.07.22	GM/PD/DHPP/Security/973-74	Violation of SOPs by Expatriate	
46.	29.07.22	GM/PD/DHPP/Security/971-72	Security Weakness at Hattian Kamra	
47.	29.07.22	GM/PD/DHPP/Security/975-81	Coordination Meeting With DHC Contractors on Security Issues 27 July 2022	
48.	30.07.22	GM/PD/DHPP/Security/985	Geo Tagging Coordinates of All Foreigners Residential Camps Work Sites Plazas	
49.	29.07.22	GM/PD/DHPP/Security/970	Deficiency of Services Electronic Item Required	
50.	30.07.22	GM/PD/DHPP/Security/984	Special Dairy Report	
1.2. Dasu-RAR-01				
Dasu Office				
51.	21.07.22	GM/PD/DHPP/Contracts/RAR-01/21/923034	Taking Over Certificate (TOC-02) For the Parts of Works (RD K9 to K12)	
52.	27.07.22	GM/PD/DHPP/Contracts/RAR-01/EOT/23E/9312-17	Engineer's Assessment for 4th Extension of Time (EOT)	
1.3. Dasu-RAR-02				
Dasu-Office				
53.	04.07.22	GM/PD/Dasu HPP/RAR-02/2022/8829-32	Complained About Blockage of Kandia Valley Access Road by Local Community	
54.	27.07.22	GM/PD/Dasu/HPP/CE(S&D/2022/9345-47	Local Complaint	
1.4. Dasu-KKH-01				
Dasu Office				
55.	05.07.22	GM/PD/DHPP/CE(S&D/KKH-01-8959-61	Employers Site Visit	
56.	21.07.22	GM/PD/DHPP/Contracts/KKH-01/17/9160-64	Request for Extension of Initial Advance Payment Guarantee No. IGT087400111215	
57.	25.07.22	GM/PD/(S&D)/DHPP/KKH-01/ 9251-55	Submission of Flood Report at Uchar Nullah Bridge and Safety Measures of Contractor's Temporary Facilities	
58.	27.07.22	GM/PD/DHPP/Contracts/KKH-01/EOT/13E/9301-05	Engineer's Assessment for 3rd Extension of Time (EOT)	
1.5. Dasu-TL-01				
Dasu Office				
59.	27.07.22	GM/PD/DHPP/Contracts/TL-01/EOT/43E/9306-11	Engineer's Assessment for 4th Extension of Time (EOT).TL-01	
60.	28.07.22	GM/PD/Dasu HPP/TL-03/9390-91	Installation of Fence at Grid Station .TL-01	
1.6. Dasu-MW-01				
Dasu-Office				
61.	04.07.22	GM/PD/DHPP/S&D/MW-01&MW-02/8833-35	Site Visit Report of CR-09	
62.	20.07.22	GM/PD/DP/DHPP/Security/934-35	Security Weakness at Hattian - Kamra Camp -CGGC	
63.	18.07.22	GM/PD/DHPP/Contracts/MW-01/DB/9067-69	DB Decision on Tender Discount Contractors' Notice of Dissatisfaction Per SC 20.4	
64.	25.07.22	GM/PD/DHPP/Air-Transport/ 9247-50	Payment of Hire Charges for Helicopter Services	
65.	25.07.22	GM/PD/DHPP/Contracts/MW-01/84/ 9256-60	Request for Clarification on Payment Modalities In Respect of Royalties and Licensing Fee Payment to Mineral Development Department , KPK	
66.	27.07.22	PD/DHPP/Contracts/MW-01/087/9322-25	Request for Payment of Insurance	
67.	27.07.22	GM/PD/DHPP/S&D/MW-01/9342-44	Inspection Report of M&S Visit to Dasu Hydropower Project (March 2022)	
68.	27.07.22	GM/PD/DHPP/Contracts/MW-01/81/9348-50	Referral No.2 - Provision of Power Supply (Dispute No.3) MW-01	

**Dasu Hydropower Project
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Appendix E [3/22]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
1.7. Dasu-RBRV-11				
Dasu-Office				
69.	25.07.22	GM/PD/DHPP/DD(C)/RBRV-11/63/5130-34	Extension of Advance Payment and Performance Securities (Demand Guarantees)	
70.	28.07.22		28.07.22-3200-Extension of Advance Payment and Performance Securities. RBRV-11 (9398-9421)	
1.8. Dasu-PCI-01R				
Dasu office				
71.	04.07.22	GM/PD/DHPP/PCI-01R/8841-44	Payment of The Outstanding Amount RS.17,242,550 AS ON 30th April 2022	
72.	21.07.22	GM/PD/DHPP/Contracts/PCI-01R/33/9225-29	Evaluation of the Contractor's Interim EOT Report No.01(20th May 2020 to 31st October 2022	
73.	28.07.22	GM/PD/DHPP/PCI-01R/9384-87	Request for Omission of Remaining Works of Archeological Site Shatial (Rock Carving Museum) PCI-01R	
1.9. Dasu-EM-01				
Dasu-Office				
74.	06.07.22	GM/PD/DHPP/Security/901-03	Comments on Construction of Watch Towers Security Check Posts at EM-01 Camp	
75.	26.07.22	GM/PD/DHPP/Contracts/EM-01/101/9261-68	Duties and Import Tax Exemption Application - Request for Advice Way - Forward	
76.	27.07.22	GM/PD/Dasu HPP/EM-01/9340-41	Dasu Transmission Line Projects - Shunt Reactor Rating and Short Circuit Level	
77.	29.07.22	GM/PD/DHPP/Contracts/EM-01/101/9418-21	Application of Change Order on AVR Excitation System .EM-01	
1.10. Dasu-RV				
Dasu-Office				
78.	05.07.22	GM/PD/DHPP/Dasu-RV/8858-62	Completion Taking Over For Part of the Works. Relocated Plots of choochang-1(Dasu -RV)	
79.	31.07.22	GM/PD/DHPP/Contracts/74/9454-58	Completion -Taking Over Certificate # 01 for Part of the Works Additional Choochang Site -01 Under The Contract Dasu - RV	
1.11. Dasu-S&R				
Dasu-Office				
80.	01.07.22	GM/PD/DHPP/S&R/E-66/5188	Categorization ESMR Claims	
81.	01.07.22	GM/PD/Dasu HPP/DD9T)/LA-14/3816-23	Extension in Timeframe of Land Acquisition and Assessment Unit (LA & AU)	
82.	05.07.22	GM/PD/DHPP/S&R/W-159/725-28	Assessment Report of Forest Wild Fruit Trees for Additional Funds in Respect of Component Viz KKH-01 Additional Land PTB-1	
83.	05.07.22	GM/PD/DHPP/S&R/W-159/718-20	Assessment Report of Forest Wild Fruit Trees for Additional Funds in Respect of Component Viz KKH-01 Additional Land PTB-03	
84.	05.07.22	GM/PD/DHPP/S&R/W-159/721-24	Modification in Masavi of the Component Access Road to Resettlement Site-4 Kuz Chuchang	
85.	05.07.22	PD/DHPP/S&R/DG/G&CH/E-18/5195	Observations Comments on Cost Estimate of Skill Development Training in Kuz Chuchang (Pilot Training) (5195)	
86.	18.07.22	GM/PD/DHPP/S&R/2022/E-66/5203	Application Regarding Self - Managed Relocation (SMR)	
87.	25.07.22	GM/PD/DHPP/S&R/2022/E-66/5207	Application Regarding Self - Managed Relocation (SMR) (Muhammad Haya Shah)	
88.	29.07.22	GM/PD/DHPP/S&R/2022/E-66/5215	Application Regarding Self- Managed Relocation (SMR)	
1.12. Dasu-LADP				
Dasu Office				
89.	27.07.22	PD/DHPP/Contracts/LADP/129H/9318-21	Comments on Draft Insurance Policy Submitted by the Bidder	
90.	27.07.22	PD/DHPP/DG/S&R/E-34/5212	Upgradation of Sanitation and Sewerage System at Komila & Dasu	
91.	30.07.22	GM/PD/DHPP/S&R/E-34/5220	Relocation of Existing Electricity Lines of Locals	
92.	30.07.22	PD/DHPP/DG/S&R/E-34/5216	Observations on IPC No.06	
2. From Contractors				
2.1. Dasu-RAR-01				
Dasu Office				
93.	02.07.22	CCECC/PAK/DASUFIELD/RAR-01/HSE-22-037	OHS KPI, June 2022	
94.	02.07.22	CCECC/PAK/DASUFIELD/RAR-01/HSE-22-038	List of Expatriate & National Staff Workers (038)	
95.	07.07.22	CCECC/PAK/DASUFIELD/RAR-01/22-024	Submission of Weekly Progress Reports (23-06-2022 to 06-07-2022)	
96.	22.07.22	CCECC/PAK/DASUFIELD/RAR-01/22-WR-025	Submission of Weekly Progress Reports	

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Appendix E [4/22]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
97.	22.07.22	CCECC/PAK/DASUFIELD/RAR-01/HSE-22-039	Monthly EHS Monitoring Report March 2022 to June 2022	
98.	27.07.22	CCECC/PAK/DASUFIELD/RAR-01/HSE/22-040	Request for Proper Removal of Wild Animal (Monkey) From Zaal Camp	
99.	28.07.22	CCECC/PAK/DASUFIELD/RAR-01/22-057	Postponement of Blasting Activities at K1+100 around of Komila Bypass	
100.	28.07.22	CCECC/PAK/DASUFIELD/RAR-01/22-WR-026	Submission of Weekly Progress Reports	
101.	29.07.22	CCECC/PAK/DASUFIELD/RAR-01/HSE/22-041	Submission of Spoil Disposal Plan Revision -02	
102.	29.07.22	CCECC/PAK/DASUFIELD/RAR-01/22-058	Request for Issuance of Combined TOC for RAR-01 (KO -K12)	
2.2. Dasu-RAR-02				
Dasu-Office				
103.	01.07.22	CGGC/RAR-02/TD/DHC-330	Submission of Construction Scheme R0 of RAR-02	
104.	02.07.22	CGGC/RAR-02/TD/DHC-331	Submission of Layout Plan and Scope of Land Acquisition of Kandia Camp	
105.	04.07.22	CGGC/RAR-02/TD/DHC-332	Submission of Contractors Route Optimization Team Personnel Information	
106.	04.07.22	CGGC/RAR-02/ED/DHC-333	Blasting Plan in Next Week of KKH-02 (2022.07.04-2022.07.10)	
107.	06.07.22	CGGC/RAR-02/HRD/DHC-335	Submission of Staff Information List	
108.	06.07.22	CGGC/RAR-02/CD/DHC-336	Notice to the Claim on Amendments in Import Policy	
109.	06.07.22	CGGC/RAR-02/FD/WAPDA-03	Authorized to Collect the Expired Performance Guarantee of RAR-02	
110.	06.07.22	CGGC/RAR-02/ED/DHC-334	Weekly Progress Report of RAR-02 (2022.06.27-2022.07.03)	
111.	06.07.22	CGGC/RAR-02/ED/DHC-337	Report on the Delay in Land Handover	
112.	07.07.22	CGGC/RAR-02/ED/DHC-338	Work Arrangement During Eid ul Azha Holidays	
113.	07.07.22	CGGC/RAR-02/TD/DHC-339	Proposal of Crossing Gully at K13 +300 of RAR-02	
114.	11.07.22	CGGC/RAR-02/ED/DHC-340	Blasting Plan In Next Week of RAR-02	
115.	12.07.22	CGGC/RAR-02/TD/DHC-341	Submit the Manpower and Equipment Schedule of RAR-02	
116.	13.07.22	CGGC/RAR-02/TD/DHC-342	Submit the Calculation of Kandia Suspension Bridge	
117.	13.07.22	CGGC/RAR-02/ED/DHC-343	Weekly Progress Report of RAR-02	
118.	14.07.22	CGGC/RAR-02/ED/DHC-344	Reply to Access Road Closures to Blasting on the Right Bank of Kandia Bridge	
119.	16.07.22	CGGC/RAR-02/ED/DHC-345	Monthly Progress Report (RAR-02)	
120.	18.07.22	CGGC/RAR-02/TD/DHC-346	Submit the Letter of Unfavorable Geology	
121.	18.07.22	CGGC/RAR-02/TD/DHC-346	Submit the Letter of Unfavorable Geology	
122.	18.07.22	CGGC/RAR-02/HSED/DHC-347	Submission of Environmental Report for June 2022	
123.	18.07.22	CGGC/RAR-02/ED/DHC-348	Blasting Plan In Next Week of RAR-02	
124.	18.07.22	CGGC/RAR-02/ED/DHC-349	Weekly Progress Report of RAR-02	
125.	20.07.22	CGGC/RAR-02/HSED/DHC-350	Submission of Final Investigation Report	
126.	25.07.22	CGGC/RAR-02/ED/DHC-351	Blasting Plan In Next Week of RAR-02	
127.	24.07.22	CGGC/RAR-02/ED/DHC-352	Weekly Progress Report of RAR-02	
128.	27.07.22	CGGC/RAR-02/CD/DHC-353	Submission of Workmen Compensation (WC) Insurance Policy	
2.3. Dasu-KKH-01				
Dasu Office				
129.	01.07.22	CCECC/PAK/DASU-HPP/KKH-01/HSE-22-073	OSH KPI June 2022	
130.	01.07.22	CCECC/PAK/DASU-HPP/KKH-01/HSE-22-074	Fortnightly Explosive Record, 16-30 June 2022	
131.	02.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-063	Submission of Method Statement for Logro A (K9) Tunnel	
132.	03.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-064	Submission of Method Statement for Dasu-02 (K4) Tunnel	
133.	04.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-065	Request for Early Review and Approval of Contractors Proposal of Uchar Camp Protection	
134.	04.07.22	CCECC/PAK/DASUFIELD/KKH-01/WR-275	Submission of Weekly Progress Report (25th June to 01st July 2022)	

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Appendix E [5/22]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
135.	05.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-066	Request for Extension of Initial Advance Payment Guarantee of Original KKH-01 Contract	
136.	04.07.22	CCECC/PAK/DASU-HPP/KKH-01/HSE-22-075	Lists of Expatriate and National Staff Employees Workers	
137.	05.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-067	Submission of Contemporary Record w.r.t 16th Interim Claim from 1st July 2021 to 31th March 2022 on Account of Claim	
138.	07.07.22	CCECC/PAK/DASU-HPP/KKH-01/HSE-22-076	Monthly OHS Monitoring Report # 78 June 2022	
139.	07.07.22	CCECC/PAK/DASU-HPP/KKH-01/HSE-22-077	Monthly EHS Monitoring Report # 78, June 2022	
140.	17.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-068	Calibration of Rock Bolt Pull -Out Machine	
141.	18.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-069	Source Approval of Shandong Tianren New Material Co , LTD China	
142.	19.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-070	Calibration of Rock Bolt Pull -Out Machine	
143.	18.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-078	Fortnightly Explosive Record 01-15 July 2022	
144.	19.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-HSE-079	RCA and Investigation Report of Incident # 48	
145.	20.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-073	Submission of QA-QC Plan for Tunnel and Bridges	
146.	20.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-071	Resubmission of Proposal for Uchar Camp Protection Wall	
147.	20.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-072	Third Party Testing	
148.	21.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-074	Weekly Meeting Minutes for your Information	
149.	21.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-075	Request for Engineer 's Application Report to Employer for M-S Zhongmei's Explosive Magazine Handed Over to M-S CCECC	
150.	21.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-076	Third Party Testing	
151.	21.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-HSE-080	Nominees for Training and Certification of Short Firer Blaster	
152.	23.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-077	Preparatory Works of VO-05 for Tunnel and Bridges	
153.	24.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-078	Initial Report of Flood In Uchar Nullah	
154.	28.07.22	CCECC/PAK/DASUFIELD/KKH-01/22-079	Initial Flood Incident Report In Uchar Nullah on 27 July 2022	
155.	26.07.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-081	Flood Incident Report in Uchar Nullah	
156.	28.07.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-082	Flood Incident Report In Uchar Nullah	
2.4. Dasu-KKH-02				
Dasu Office				
157.	04.07.22	CGGC/KKH-02/ED/DHC-182	Weekly Progress Report (2022.06.07-2022.07.03)	
158.	04.07.22	CGGC/KKH-02/ED/DHC-183	Blasting Plan in Next Week of KKH-02 (2022.07.04-2022.07.10)	
159.	02.07.22	CGGC/KKH-02/TD/DHC-184	Unfavorable Geological Features in the Section of K30+700-K31-560	
160.	05.07.22	CGGC/KKH-02/TD/DHC-185	Location of Proposed Explosive Magazine for KKH-02	
161.	06.07.22	CGGC/KKH-02/HRD/DHC-186	Submission of Staff Information List	
162.	06.07.22	CGGC/KKH-02/CD/DHC-187	Notice to the Claim on Amendments in Import Policy	
163.	11.07.22	CGGC/KKH-02/ED/DHC-188	Report on the Delay In Land Handover	
164.	10.07.22	CGGC/KKH-02/ED/DHC-189	Blasting Plan In Next Week of KKH-02	
165.	14.07.22	CGGC/KKH-02/ED/DHC-190	Weekly Progress Report	
166.	14.07.22	CGGC/KKH-02/CD/DHC-191	Confirmation for Quoted Price List of Security Check Post at Kaigah	
167.	15.07.22	CGGC/KKH-02/ED/DHC-192	Monthly Progress Report (KKH-02)	
168.	18.07.22	CGGC/KKH-02/ED/DHC-193	Blasting Plan In Next Week of KKH-02	
169.	18.07.22	CGGC/KKH-02/ED/DHC-194	Weekly Progress Report	
170.	17.07.22	CGGC/KKH-02/ED/DHC-195	Request the Army Personnel to Move Out from the Pakistani Staff Dormitory at the Kaigah Camp	
171.	17.07.22	CGGC/KKH-02/ED/DHC-196	Request to Acquire the Land for Spoil Dumping Site of KKH-02	
172.	20.07.22	CGGC/KKH-02/ED/DHC-197	Request the Engineer - Employer to Relocate the Residents	
173.	22.07.22	CGGC/KKH-02/TD/DHC-198	Testing Plan of Natural Rock Samples	
174.	22.07.22	CGGC/KKH-02/ED/DHC-199	Construction Activity Near Kandia of KKH-02	
175.	25.07.22	CGGC/KKH-02/ED/DHC-200	Weekly Progress Report	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
176.	25.07.22	CGGC/KKH-02/ED/DHC-201	Blasting Plan In Next Week of KKH-02	
177.	25.07.22	CGGC/KKH-02/ED/DHC-202	Reply to the Resettlement of Residents	
178.	26.07.22	CGGC/KKH-02/ED/DHC-203	Minimum Amount of Interim Payment Certificates Request for Contract Amendment	
179.	30.07.22	CGGC/KKH-02/HSED/DHC-204	Reply to New Camps Working Site	
2.5. Dasu-TL-01				
Dasu Office				
180.	04.07.22	PC/Dasusite/TL-01/2022-116	Submission of Monthly Progress Report for June 2022	
181.	04.07.22	PC/Dasusite/TL-01/2022-117	Submission of 68th Health, Safety and Environment Report for the Month of June 2022	
182.	04.07.22	PC/Dasusite/TL-01/2022-118	Reminder - Approval of Stringing Inspection forms	
183.	05.07.22	PC/Dasusite/TL-01/2022-119	Submission of Weekly Progress Report	
184.	05.07.22	PC/Dasusite/TL-01/2022-120	Notification of Eid ul Azha Holidays	
185.	05.07.22	PC/Dasusite/TL-01/2022-121	Data List of In-Migrants Pak Workforce & Daily Wagers Data for the Month of June, 2022	
186.	05.07.22	PC/Dasusite/TL-01/2022-122	Submission of List of Vehicles for the Month of June, 2022	
187.	06.07.22	PC/Dasusite/TL-01/2022-123	Clarification Design Calculation of Gantries Foundation Drawing	
188.	06.07.22	PC/Dasusite/TL-01/2022-124	Request for Security Protection During Traveling	
189.	06.07.22	PC/Dasusite/TL-01/2022-125	Request for Security Protection During Traveling	
190.	13.07.22	PC/Dasusite/TL-01/2022-126	Request for Security Protection During Traveling	
191.	18.07.22	PC/Dasusite/TL-01/2022-126	Request for Security Protection During Traveling	
192.	19.07.22	PC/Dasusite/TL-01/2022-127	Submission of Weekly Progress Report	
193.	21.07.22	PC/Dasusite/TL-01/2022-128	Request for Security Protection During Traveling	
194.	21.07.22	PC/Dasusite/TL-01/2022-129	Submission of Revised Drawing of Foundation Layout Plan of Grid Station	
195.	21.07.22	PC/Dasusite/TL-01/2022-130	Submission of Revised Drawing of Water Supply and Sanitary System for Control House Building of Grid Station	
196.	22.07.22	PC/Dasusite/TL-01/2022-131	Request for Security Protection During Traveling	
197.	22.07.22	PC/Dasusite/TL-01/2022-132	Submission of Extended Insurance Policies	
198.	24.07.22	PC/Dasusite/TL-01/2022-133	Installation of Fence at Grid Station	
199.	24.07.22	PC/Dasusite/TL-01/2022-134	No Progress at Tower Erection and Stringing	
200.	25.07.22	PC/Dasusite/TL-01/2022-135	Submission of Approved Revised Drawing of Foundation Layout Plan of Grid Station	
201.	26.07.22	PC/Dasusite/TL-01/2022-136	Extension of Advance Payment Guarantee	
202.	26.07.22	PC/Dasu/TL-01/JS/22-006	Submission of Invoices and Requisite Documentations for Claiming Reimbursement Payment of procurement Line Material	
203.	26.07.22	PC/Dasusite/TL-01/2022-137	Submission of Weekly Progress Report	
204.	26.07.22	PC/Dasusite/TL-01/2022-138	Request for Security Protection During Traveling	
205.	28.07.22	PC/Dasusite/TL-01/2022-139	Submission of Approved Revised Drawing of Water Supply and Sanitary System for Control House Building of Grid Station	
206.	30.07.22	PC/Dasusite/TL-01/2022-140	Submission of OHSMP	
2.6. Dasu-MW-01				
Dasu-Office				
207.	01.07.22	CGGC/MW-01/TD/DHC-231	Testing Plan of the GINI Natural Pozzolan Samples	
208.	03.07.22	CGGC/MW-01/HSED/DHC-2314	Submission of CV and PMDC Certificate of Newly Hired Doctors	
209.	04.07.22	GGC/MW-01/ED/DHC-2315	Blasting Plan in Next Week of MW-01(2022.07.04-2022.07.10)	
210.	06.07.22	GGC/MW-01/TD/DHC-2317	Submission of Third Party Material Testing Plan	
211.	06.07.22	GGC/MW-01/TD/DHC-2318	Submission of Report on Resistivity Survey Results	
212.	06.07.22	GGC/MW-01/TD/DHC-2319	Submission Calculations and Drawing of Scaffolding for Diversion Tunnel Inlet Transition	
213.	06.07.22	GGC/MW-01/CD/DHC-2320	Construction Priorities	
214.	06.07.22	GGC/MW-01/CD/DHC-2321	Interim Claim Contemporary Records MW-01-C-01(20) (Period Dec.1st, 2021 - Feb. 28th, 2022)	
215.	06.07.22	GGC/MW-01/CD/DHC-2322	Submission of Staff Information List	
216.	06.07.22	GGC/MW-01/CD/DHC-2323	Notice to the Claim on Amendments in Import Policy	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
217.	06.07.22	GGC/MW-01/FD/WAPDA-60	Return the USD Settlement Cheque of IPC No.28	
218.	06.07.22	GGC/MW-01/CD/DHC-2316	Weekly Progress Report of MW-01 (2022.06.27-2022.07.03)	
219.	04.07.22	GGC/MW-01/CD/DHC-2324	Reply to the Comments of US Start Dam Design	
220.	06.07.22	GGC/MW-01/CD/DHC-2325	Report on the Delay in Land Handover	
221.	07.07.22	GGC/MW-01/CD/DHC-2326	Reply for Interim Payment Application No.29	
222.	07.07.22	GGC/MW-01/ED/DHC-2327	Work Arrangement During Eid ul Azha Holidays	
223.	08.07.22	GGC/MW-01/ED/DHC-2328	Proposal on the Relocation of the Water Tank In Kass Camp	
224.	08.07.22	GGC/MW-01/TD/DHC-2329	CVC Mix Proportion With the Gini Pozzolan	
225.	09.07.22	GGC/MW-01/TD/DHC-2330	Cut -off Wall Concrete Trail Mix Proportion	
226.	09.07.22	GGC/MW-01/CD/DHC-2331	Claim for Additional Payment for the Unforeseeable Costs Due to Cooperation for Contract MW-01	
227.	09.07.22	GGC/MW-01/CD/DHC-2332	Claim for Additional Payment for the Covid - 19 Pandemic for Contract MW-01	
228.	11.07.22	GGC/MW-01/ED/DHC-2333	Blasting Plan In Next Week of MW-01	
229.	12.07.22	GGC/MW-01/HRD/DHC-2334	Visa Invitation Letter	
230.	13.07.22	GGC/MW-01/TD/DHC-2335	Submission of the Convergence Measurements Data of MW-01 In June 2022	
231.	13.07.22	GGC/MW-01/TD/DHC-2336	Confirmed the Consolidation Grouting Pressure of Dasu Hpp	
232.	13.07.22	GGC/MW-01/ED/DHC-2337	Weekly Progress Report of MW-01	
233.	16.07.22	GGC/DASU/HPP-138	Notice of Dissatisfaction per Sub- Clause 20.4	
234.	14.07.22	GGC/MW-01/CD/DHC-2338	Submission of Interim Claim Direct Costs for the Period up to 30 April 2022	
235.	15.07.22	GGC/MW-01/CD/DHC-2340	Notice to Claim Damages due to Losses in the Calculation of Adjustments for Changes In Cost	
236.	16.07.22	GGC/MW-01/TD/DHC-2341	Submission of Method Statement of Diversion Tunnel Cofferdam Removal	
237.	16.07.22	GGC/MW-01/ED/DHC-2339	Monthly Progress Report MW-01	
238.	16.07.22	GGC/MW-01/FD/WAPDA-61	Submission of Account Information for Compensation Payment	
239.	18.07.22	GGC/MW-01/TD/DHC-2340		
240.	18.07.22	GGC/MW-01/TD/DHC-2342	Request of Design data of the Diversion Tunnel Gates Used for Remedial Activities of the Tunnels	
241.	18.07.22	GGC/MW-01/TD/DHC-2343	Submission of Method Statement of River Closure	
242.	18.07.22	GGC/MW-01/TD/DHC-2344	Submission of Final Investigation Report	
243.	18.07.22	GGC/MW-01/TD/DHC-2345	Submission of Environmental Report for June 2022	
244.	18.07.22	GGC/MW-01/TD/DHC-2346	Blasting Plan In Next Week of MW-01	
245.	18.07.22	GGC/MW-01/TD/DHC-2347	Submission of RCC Expert Dr. Dunstan's Notes on the 2nd Stage RCC Trail Mix Programme	
246.	17.07.22	GGC/MW-01/FD/DHC-2348	Submission of the Commercial Invoice of IPC 28	
247.	19.07.22	GGC/MW-01/ED/DHC-2349	Weekly Progress Report of MW-01	
248.	20.07.22	GGC/MW-01/CD/DHC-2350	Submission of the Statement Application for IPC 31 of MW-01	
249.	19.07.22	GGC/MW-01/TD/DHC-2351	Technical Proposal for Time of Flight Diffraction in Lieu of Radiography Testing (HSS)	
250.	18.07.22	GGC/MW-01/FD/WAPDA-62	Request for Currency and Account Information of Compensation Payment	
251.	18.07.22	GGC/MW-01/TD/DHC-2352	Submission of Guide line of Start Dam Filling Compaction Tests	
252.	20.07.22	GGC/MW-01/TD/DHC-2353	Submission Calculations and Drawing of Scaffolding for Diversion Tunnel Inlet Transition (D2)	
253.	20.07.22	GGC/MW-01/HSED/DHC 2354	Letter for NCR MW-01 & 02 -OHS -22-39	
254.	22.07.22	GGC/MW-01/TD/DHC 2356	Submission of Joint Survey Report for DT-B Inlet Crown Portion Part 2 and Part 3	
255.	22.07.22	GGC/MW-01/TD/DHC 2357	The Provision of Recommendation Letter for Explosive License Renewal	
256.	22.07.22	GGC/MW-01/CD/DHC 2358	Confirmation for Payment of Hire Charges for Helicopter Services	
257.	22.07.22	GGC/MW-01/CD/DHC 2359	Submission of Workmen Compensation (WC) Insurance Policy	
258.	22.07.22	GGC/MW-01/CD/DHC 2360	Reports of Site Shutdowns Caused by the "7.24 " Mudslides Incident	
259.	25.07.22	GGC/MW-01/TD/DHC 2361	Submission of Pozzolan Testing and Monthly Third -Party Material Testing Plan for the Month of June -July 2022	
260.	25.07.22	GGC/MW-01/ED/DHC 2362	Blasting Plan In Next Week of MW-01	
261.	24.07.22	GGC/MW-01/HSED/DHC 2363	The Approval of Pending AFIs of 2021 for MW-01	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
262.	26.07.22	GGC/MW-01/HSED/DHC 2364	Submission of Nominees for Training and Certification of Short Firer -Blaster	
263.	26.07.22	GGC/MW-01/TD/DHC 2365	Reply to Comments on Cut-Off Concrete Trial Mix Protection	
264.	26.07.22	CGGC/MW-01/TD/DHC-2366	Submission of the Revised Contract Programme R4 -D12 of MW-01	
265.	27.07.22	CGGC/MW-01/TD/DHC-2367	Proposal for Concrete Class A-25 Used as Backfill Concrete for Invert leveling In Diversion Tunnel	
266.	27.07.22	CGGC/MW-01/HSED/DHC-2368	Security Upgrade Program Progress	
267.	26.07.22	CGGC/MW-01/HSED/DHC-2369	Incident Report on "7.22" Explosive Taken by DHC Inspector	
268.	27.07.22	CGGC/MW-01/HSED/DHC-2370	Submission of CV and PMCC Certificate of Employed Doctor	
269.	27.07.22	CGGC/MW-01/ED/DHC-2371	Weekly Progress Report of MW-01	
270.	27.07.22	CGGC/MW-01/HRD/DHC-2372	Reply to Mr. Gul Rehman S-O Muhammad 's Application	
271.	29.07.22	CGGC/MW-01/QAQC/DHC-2373	Rectification of Deficiencies and Non- Conformities at the CR-9 Concrete Batching Plant (MW-01)	
272.	28.07.22	CGGC/MW-01/ED/DHC-2374	Report on Site Shutdown Caused by "7.27" Debris Flow	
273.	29.07.22	CGGC/MW-01/ED/DHC-2375	Delay in the Handover of the Chinese Camp in the Kass Area	
274.	29.07.22	CGGC/MW-01/ED/DHC-2376	Reply to Request to Solve Water Supply Problem for CR 2 and CR9 Batching Plants MW-01	
275.	29.07.22	CGGC/MW-01/TD/DHC-2377	Reply to The Engineers Comment on The Drawings Between Bottom Outlet Overhaul Gate Chamber And The 3rd Gallery Electric Embedded Conduits	
276.	29.07.22	CGGC/MW-01/TD/DHC-2378	Submission of SBT WRA Plump Concrete Mix Design	
277.	31.07.22	CGGC/MW-01/TD/DHC-2379	Submission of the Proposal for Design Adjustment for Arch Portions of Diversion Tunnel	
278.	30.07.22	CGGC/MW-01/TD/DHC-2380	Request to Access the Carrying Capacity and Safety of the Bridges and Provide Emergency Plans for Traffic Disruption	
279.	31.07.22	CGGC/MW-01/CD/DHC-2381	Sub-Clause 20.1 Notice to Claim Mudslide	
2.7. Dasu-MW-02				
Dasu-Office				
280.	01.07.22	CGGC/MW-02/TD/DHC-1643	Drain Tunnel Geological Mapping from Sta.0+85 to Sta.0+950	
281.	02.07.22	CGGC/MW-02/TD/DHC-1645	Response to Ventilation & Lighting Conditions Within Powerhouse and Transformer Cavern	
282.	01.07.22	CGGC/MW-02/TD/DHC-1646	Issuance of Pending Drawings of Surge Chamber Vent Tunnel and GIL-Air Tunnel	
283.	02.07.22	CGGC/MW-02/TD/DHC-1647	Issuance of Pending Drawings of Tailrace	
284.	01.07.22	CGGC/MW-02/TD/DHC-1648	Transform Cavern Geological Mapping from Sta.0+000 to Sta.0+241	
285.	02.07.22	CGGC/MW-02/TD/DHC-1649	Submission of the Calculation of the Penstock Adit Plugging	
286.	04.07.22	CGGC/MW-02/TD/DHC-1650	Blasting Plan in Next Week of KKH-02 (2022.07.04-2022.07.10)	
287.	05.07.22	CGGC/MW-02/TD/DHC-1652	Submission of the Report on Resistivity Survey Results at Construction Stage	
288.	06.07.22	CGGC/MW-02/CD/DHC-1653	Interim Claim Contemporary Records MW-02-C-01(20) (Period Dec.1st, 2021 - Feb. 28th, 2022)	
289.	06.07.22	CGGC/MW-02/HRD/DHC-1654	Submission of Staff Information List	
290.	06.07.22	CGGC/MW-02/CD/DHC-1655	Notice to the Claim on Amendments in Import Policy	
291.	06.07.22	CGGC/MW-02/CD/DHC-1665	Construction Priorities	
292.	06.07.22	CGGC/MW-02/FD/WAPDA-32	Return the USD Settlement Cheque of IPC No.28	
293.	06.07.22	CGGC/MW-02/CD/DHC-1651	Weekly Progress Report of MW-02 (2022.06.27-2022.07.03)	
294.	06.07.22	CGGC/MW-02/TD/DHC-1656	Submission of Third Party Material Testing Plan	
295.	06.07.22	CGGC/MW-02/ED/DHC-1657	Report on the Delay in Land Handover	
296.	07.07.22	CGGC/MW-02/ED/DHC-1658	Work Arrangement During Eid ul Azha Holidays	
297.	07.07.22	CGGC/MW-02/CD/DHC-1659	Reply for Interim Payment Application No.29	
298.	07.07.22	CGGC/MW-02/TD/DHC-1660	Submission of Blasting Design of Power intake	
299.	09.07.22	CGGC/MW-02/TD/DHC-1661	Submission of Blasting Design of Transformer (GIS) Carvern 1-3	
300.	09.07.22	CGGC/MW-02/CD/DHC-1662	Claim for Additional Payment for the Unforeseeable Costs Due to Cooperation for Contract MW-02	
301.	09.07.22	CGGC/MW-02/CD/DHC-1663	Claim for Additional Payment for the Covid -19 Pandemic for Contract MW-02	
302.	11.07.22	CGGC/MW-02/TD/DHC-1664	Submission of Design Documents of Temporary Powerhouse Crane	
303.	11.07.22	CGGC/MW-02/TD/DHC-1666	Blasting Plan of MW-02	

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Appendix E [9/22]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
304.	13.07.22	CGGC/MW-02/TD/DHC-1667	The Method Statement of Plate Load Test (D6)	
305.	13.07.22	CGGC/MW-02/ED/DHC-1668	Weekly Progress Report of MW-02	
306.	13.07.22	CGGC/MW-02/TD/DHC-1669	Submission of the Convergence Measurements Data of MW-02 In June 2022	
307.	14.07.22	CGGC/MW-02/CD/DHC-1670	Submission of Interim Claim Direct Costs for the Period up to 30 April 2022	
308.	14.07.22	CGGC/MW-02/ED/DHC-1671	Reply on the Removal of Spoil Material Back to Natural Ground Formation Switchyard MW-02 (Day Work Order)	
309.	16.07.22	CGGC/MW-02/ED/DHC-1672	Monthly Progress Report MW-02	
310.	15.07.22	CGGC/MW-02/CD/DHC-1673	Notice to Claim Damages due to Losses In the Calculation of Adjustments for Changes In Cost	
311.	14.07.22	CGGC/MW-02/TD/DHC-1674	Submission of The Contract Programme R5-D9A of MW-02	
312.	18.07.22	CGGC/MW-02/HSED/DHC-1675	Incident Investigation Report	
313.	18.07.22	CGGC/MW-02/HSED/DHC-1676	Submission of Environmental Report for June 2022	
314.	18.07.22	CGGC/MW-02/ED/DHC-1677	Blasting Plan of MW-02	
315.	18.07.22	CGGC/MW-02/TD/DHC-1678	Reply to Slope Issue of the Diversion of KKH Road at Tailrace Area	
316.	17.07.22	CGGC/MW-02/FD/DHC-1679	Submission of the Commercial Invoice of IPC 28	
317.	19.07.22	CGGC/MW-02/ED/DHC-1680	Weekly Progress Report of MW-02	
318.	20.07.22	CGGC/MW-02/CD/DHC-1681	Submission of the Statement Application for IPC 31 of MW-02	
319.	19.07.22	CGGC/MW-02/TD/DHC-1682	Reply to Construction Priorities MW-02 Complete Surface and Underground Powerhouse Complex	
320.	19.07.22	CGGC/MW-02/TD/DHC-1683	Technical Proposal for Time -of - Fight Diffraction in Lieu of Radiography Testing (HSS)	
321.	19.07.22	CGGC/MW-02/TD/DHC-1684	The Provision of Recommendation Letter for Explosive License Renewal	
322.	20.07.22	CGGC/MW-02/ED/DHC-1685	Reply to the Removal of Spoil Material Back to Natural Ground Formation Switchyard MW-02 (Day Work Order)	
323.	22.07.22	CGGC/MW-02/TD/DHC-1686	Request for Related Parameters of HVAC System Design	
324.	23.07.22	CGGC/MW-02/CD/DHC-1687	Submission of Workmen Compensation (WC) Insurance Policy	
325.	23.07.22	CGGC/MW-02/HSED/DHC-1688	Incident Investigation Report	
326.	24.07.22	CGGC/MW-02/ED/DHC-1689	Reports of Site Shutdowns Caused by the "7.24" Mudslides Incident	
327.	25.07.22	CGGC/MW-02/ED/DHC-1690	Blasting Plan of MW-02	
328.	24.07.22	CGGC/MW-02/HSED/DHC-1691	The Approval of Pending AFIs of 2021 for MW-02	
329.	26.07.22	CGGC/MW-02/TD/DHC-1692	Submission of Pozzolan Testing and Monthly Third- Party Material Testing Plan for the Month of June -July 2022	
330.	25.07.22	CGGC/MW-02/TD/DHC-1693	Submission of the Report for the Plate Load Test	
331.	24.07.22	CGGC/MW-02/TD/DHC-1694	Submission of Method Statement of Excavation and Support of Lower Pressure Tunnels and Manifold Sections of 1# and 2# Headrace Tunnels (D4)	
332.	26.07.22	CGGC/MW-02/TD/DHC-1695	Submission of the Revised Contract Programme -R5 -D11 of MW-02 (
333.	27.07.22	CGGC/MW-02/TD/DHC-1696	Submission of Summary Report of Post -tensioned Tendon in Power House	
334.	24.07.22	CGGC/MW-02/ED/DHC-1697	Weekly progress Report of MW-02	
335.	28.07.22	CGGC/MW-02/ED/DHC-1698	Report on Site Shutdown Caused by "7 .27 " Debris Flow	
336.	29.07.22	CGGC/MW-02/TD/DHC-1699	Submission of SBT WRA Plump Concrete Mix Design	
337.	29.07.22	CGGC/MW-02/TD/DHC-1700	Submission of proposal for Safety Protection of Areas Above And On Both Sides of CT2 Portal in Tailrace	
338.	31.07.22	CGGC/MW-02/TD/DHC-1701	The Issues of MW-02 Correspondences Approval and Construction Progress	
339.	31.07.22	CGGC/MW-02/TD/DHC-1702	Letter on Solving the Construction Water of CR2 and CR9 Batching Plants MW-02	
340.	30.07.22	CGGC/MW-02/TD/DHC-1703	Request to Access the Carrying Capacity and Safety of the Bridges and Provide Emergency Plans for Traffic Disruptions	
341.	31.07.22	CGGC/MW-02/CD/DHC-1706	Sub-Clause 20.1 Notice to Claim Mudslide	
2.8. Dasu-LBRV-11				
Dasu-Office				
342.	02.07.22	ZEG/DHC/LBRV-11/22-63	Submission of Sixteenth Interim Idle Cost Claim due to Disruption Works Stoppage by Local Community at Khoshee Site-2 Link-2	
343.	04.07.22	ZEG/DHC/LBRV-11/22-64	Omission of Work Related to Non-Handed Over Sites	
344.	05.07.22	ZEG/DHC/LBRV-11/22-65	Provision of Updated Staff List	
345.	14.07.22	ZEG/DHC/LBRV-11/22-67	Travelling of Chinese Staff (Dasu - Islamabad)	

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Appendix E [10/22]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
346.	15.07.22	ZEG/DHC/LBRV-11/22-68	Notice for Taking Over of Works	
347.	15.07.22	ZEG/DHC/LBRV-11/22-69	Defective Sewerage System Works of Khoshe Site -2 Link -1	
348.	22.07.22	ZEG/DHC/LBRV-11/22-71	Travelling of Chinese Staff (Dasu to Islamabad)	
349.	24.07.22	ZEG/DHC/LBRV-11/&122-72	Erosion of Construction Material and Damage of Contractor's Camp due to Heavy Rainfall & Flood in River Indus	
350.	27.07.22	ZEG/DHC/LBRV-11/&122-73	Provision of Supporting Documents for Evaluation of Time Impact Analysis	
2.9. Dasu-LBRV-12				
Dasu-Office				
351.	04.07.22	ZEG/DHC/LBRV-12/22-20	Omission of Work Related to Non-Handed Over Sites	
352.	15.07.22	ZEG/DHC/LBRV-12/22-21	Notice for Taking Over of Works	
2.10. PCI-01R				
Dasu- Office				
353.	01.07.22	CGICOp-DASU-PCI-01R-PO-1475	Third Party Testing of Consigned Cement and Chemical Admixture	
354.	04.07.22	CGICOp-DASU-PCI-01R-PO-1476	Request for Payment IPC No.031	
355.	05.07.22	CGICOp-DASU-PCI-01R-PO-1477	Submission of Interim Payment Application No 32	
356.	05.07.22	CGICOp-DASU-PCI-01R-PO-1478	Submission of Additional Cost & Time for Additional Work of Dismantling of Walls Supply & Installation of Aluminum window in 22 Rooms and Miscellaneous	
357.	05.07.22	CGICOp-DASU-PCI-01R-PO-1479	Submission of Additional Cost & Time (VO# 23-R1) for Additional Work of Dismantling of Walls, Supply & Installation of Aluminum	
358.	06.07.22	CGICOp-DASU-PCI-01R-PO-1480	Expat Outstation Movement to Islamabad Office and Back to Dasu Project	
359.	06.07.22	CGICOp-DASU-PCI-01R-PO-1481	Submission of Monthly Environmental Report June 2022 (Pci-01R)	
360.	16.07.22	CGICOp-DASU-PCI-01R-PO-1482	Response for Establishment of Dispute Board	
361.	17.07.22	CGICOp-DASU-PCI-01R-PO-1483	Submission of Transportation Safety Management Plan (PCI 01 R)	
362.	17.07.22	CGICOp-DASU-PCI-01R-PO-1484	Submission of Additional Cost (Vo 29) for Additional Work Construction of Underground Cable Trench & Manhole for WAPDA Project office & Residence	
363.	20.07.22	CGICOp-DASU-PCI-01R-PO-1485	Monthly Progress Report for the Month of June 2022	
364.	20.07.22	CGICOp-DASU-PCI-01R-PO-1486	Monthly Report for Jun 2022 of Basic Health Clinic	
365.	24.07.22	CGICOp-DASU-PCI-01R-PO-1487	Approval of Additional Cost & Time (VO # 23-R1) for Additional Work of Dismantling of Walls	
366.	24.07.22	CGICOp-DASU-PCI-01R-PO-1487	Approval of Additional Cost & Time (VO # 23-R1) for Additional Work of Dismantling of Walls	
367.	25.07.22	CGICOp-DASU-PCI-01R-PO-1488	Response for Payment on the Outstanding Amount of Material Supplier	
368.	27.07.22	CGICOp-DASU-PCI-01R-PO-1489	Notice for Delay due to Change In Design for Residence Category - 2 Building's Boundary Wall	
369.	27.07.22	CGICOp-DASU-PCI-01R-PO-1490	Notice for Taking Over of Project Office Building	
370.	28.07.22	CGICOp-DASU-PCI-01R-PO-1491	Notice of Force Majeure Clause 19.2 for Uchar Water Supply Works	
371.	27.07.22	CGICOp-DASU-PCI-01R-PO-1492	Request for Approval of Revised VO# 26 Under GCC Clause 13.1 for Replacement of Tube Lights with LED Ceiling Lights in Project Office Building	
372.	29.07.22	CGICOp-DASU-PCI-01R-PO-1494	Request for Manufacturer Approval for Power Distribution Transformers	
373.	29.07.22	CGICOp-DASU-PCI-01R-PO-1495	Notice for Delay In Provision of Glass Wall for Protection into the Washroom Area of the Residence Category -1&2	
374.	30.07.22	CGICOp-DASU-PCI-01R-PO-1496	Submission of Resource Loaded Schedule Following EOT	
2.11 Dasu RV				
Dasu Office				
375.	04.07.22	KGL/Dasu-RV/22-138	Submission of 2nd Extension of Time (EOT-02)	
376.	04.07.22	KGL/Dasu-RV/22-139	Meeting for Technical Discussion of Solar System	
377.	06.07.22	KGL/Dasu-RV/22-140	Eid ul Azha Holidays	
378.	22.07.22	KGL/Dasu-RV/22-141	Proposal for Design Supply Installation Testing and Commissioning of Solar System	
379.	28.07.22	KGL/Dasu-RV/22-142	Submission of 2nd Extension of Time (EOT -02)	
380.	28.07.22	KGL/Dasu-RV/22-143	Prolongation and Idle Cost Claim	
381.	29.07.22	KGL/Dasu-RV/22-144	Proposal for Design Supply Installation Testing and Commissioning of Solar System for Project Office and Category 1 and 2 Houses at Project Colony	
382.	29.07.22	KGL/Dasu-RV/22-145	Stoppage of Work at Choochang Site -1	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
2.12 Dasu EM-01				
Dasu Office				
383.	01.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0237	Reply letter sn22-164 and Resubmission Control System Drawing & KKs Numbering Rules	
384.	06.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0238	Dasu Generator FE Calculation Report of Stator Frame Upper Bracket Generator Load Generator Load on Foundation for Approval	
385.	06.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0239	Lower Bracket FE Calculation Report and Detail Drawing of Upper Shaft	
386.	05.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0240	Reminder on Delayed Approval for Contractors Commercial Letters	
387.	04.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0241	Delayed Approval for List of Contractors Technical Drawings	
388.	04.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0242	Submission of Architectural and Structural Drawings of Buildings (4.1&4.2 Double Room for Engineer Skilled)	
389.	04.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0243	Cost Comparison Report for Construction of Boundary Wall at EM-01 Site Camp	
390.	04.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0244	Notice to Provisional Sum - Reimbursement of Cost for Security Facilities in EM-01 Camp	
391.	06.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0245	Equipment and Piping Arrangement of Turbine draft tube Dewatering Pipe Gallery for Approval	
392.	05.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0246	Request to Coordinate With Locals to Avoid Row issue At EM-01 Camp Site (
393.	07.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0247	Templates of Permission to Deliver and Packing List	
394.	06.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0248	Application for Material Replacement Request 1	
395.	07.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0236	Request for Clarification on Employer's Witness the Factory Test and or Inspection Schedule	
396.	12.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0249	Coordination Meeting Data for Construction Schedule with MW-02 Contractor Reply	
397.	08.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0251	Re-Submission the Turbine Instrument List	
398.	11.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0252	Submission the Excitation Cubicle and Excitation Transformer Drawings	
399.	08.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0253	Dasu U3 Rotor Supporting Tool Quality Document and Permission to Deliver Submission for Approval	
400.	12.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0254	Casting Crown and Band -UT & PT & MT Testing Procedure for Approval	
401.	12.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0255	Submission CSCS Cubicle Specification and Station & Common Auxiliary LCB Electrical and Equipment Drawing.	
402.	11.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0256	Re-Submission Generator Fire - Fighting P&ID and Design Memo	
403.	13.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0257	Application for Material Replacement Request 2	
404.	13.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0258	Lighting Fixture of Pit Lighting and Outline Drawing on Upper Pit Liner Submission for Approval	
405.	13.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0259	Alternative Supplier Proposal for Guide Vanes	
406.	13.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0262	Request the Technical Data About 765 KV Transmission Line for Protection Settings Calculation	
407.	15.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0263	Request the Technical Data About 765 KV Transmission Line for Protection Settings Calculation	
408.	15.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0264	Modification the Doc. Status of Generator PID . EM-01	
409.	15.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0265	Reply for Detail Design Drawings of Lower Pit Liner Submission for Approval	
410.	15.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0266	Site Monthly Report , June 2022	
411.	21.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0261	Delayed Approval for list of Contractor's Technical Drawings	
412.	21.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0268	Dasu Generator Collector Ring Cover, Lower Bracket Covering , Shaft Voltage Measurement , Carbon Dust Suction, Brake Dust Suction for Approval	
413.	21.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0269	Submission of Contractor's DB Member for Approval - Contractor Reminder	
414.	25.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0270	Dasu Generator Oil Mist Suction Assembly for Approval	
415.	25.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0272	Revised Equipment and Piping Arrangement of Turbine draft tube Dewatering pipe Gallery for Approval	
416.	26.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0276	Reminder for Row Issue at EM-01 Camp Site	
417.	26.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0267	Reply Letter sn - 22-191 and Clarify the 765KV Protection System	
418.	26.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0277	Import Process Confirmation Request	
419.	26.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0273	Reply for Main Shift and Runner Pre- Assembly In GE Workshop	
420.	27.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0278	Reply for Template of Permission to Deliver	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
421.	27.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0280	Follow-up Approval Progress of U3 Rotor Supporting tool Quality Document with Revised Permission to Deliver	
422.	28.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0267	196 and Clarify the Auto Silt Monitoring Solution	
423.	28.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0279	Dasu U3 Draft Tube Elbow and Diffuser and Draft Tube Anchoring Quality Document and Permission to Deliver Submission for Approval	
424.	28.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0282	Dasu Generator Rotor Fan Assembly Rotor Balancing Assembly Low Voltage Diagram Instrumentation (0282)	
425.	29.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0283	Reply for Detail Design Drawings of Guide Bearing Submission for Approval	
426.	29.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0284	Delayed Approval for List of Contractor's Technical Drawings	
427.	29.07.22	Dasu-EM-01-LET-JV-WAPDA-DHC-2022-0286	Notification on the Absence of the Construction Manager from the Site	
2.13 Dasu SA-01				
Dasu Office				
428.	01.07.22	KGL-Dasu-SSKD-S-22-41	LADP-SSKD-Response of Non-Compliance Report	
429.	04.07.22	KGL-Dasu-SSKD-S-22-42	ESHS Replacement	
430.	05.07.22	KGL/Dasu-SSKD/S/22-43	Utilization of Advance Payment	
431.	06.07.22	KGL/Dasu-SSKD/S/22-44	Response of Non-Adherence to Safety Measures	
432.	06.07.22	KGL/Dasu-SSKD/S/22-45	Eid ul Azha Holidays	
433.	06.07.22	KGL/Dasu-SSKD/S/22-46	Missing Item RCC	
434.	07.07.22	KGL/Dasu-SSKD/S/22-47	Submission of Monthly Progress Report	
435.	21.07.22	KGL/Dasu-SSKD/S/22-48	Reinforced Concrete	
436.	21.07.22	KGL/Dasu-SSKD/S/22-49	Possession of Site	
437.	22.07.22	KGL/Dasu-SSKD/S/22-50	Submission of CV of Assistant of ESHS Officer	
438.	22.07.22	KGL/Dasu-SSKD/S/22-51	Environmental Sampling and Monitoring of Ambient air and Noise	
439.	24.07.22	KGL/Dasu-SSKD/S/22-52	Rate Analysis for Reinforced Concrete 1:2:4	
440.	27.07.22	KGL/Dasu-SSKD/S/22-53	Non-Performance of Contractor	
2.14 Dasu LADP-MI-1				
Dasu Office				
441.	01.07.22	KGL-Dasu-RHC-22-202	LADP-RHC-Form Work for Concrete	
442.	05.07.22	KGL-Dasu-RHC-22-203	Submission of Monthly Report (May and June 2022) Progress Report	
443.	06.07.22	KGL-Dasu-RHC-22-204	Eid ul Azha Holidays	
444.	06.07.22	KGL-Dasu-RHC-22-205	Remaining Site Possession	
445.	06.07.22	KGL-Dasu-RHC-22-206	Submission of IPA No 06	
446.	26.07.22	KGL-Dasu-RHC-22-207	Completion Certificate	
2.15 Dasu LADP-MI-2				
Dasu Office				
447.	04.07.22	KGL/Dasu-JMK/22-96	Crush in Floors	
448.	04.07.22	KGL/Dasu-JMK/22-97	Revision of Construction Drawings	
449.	04.07.22	KGL/Dasu-JMK/22-98	Submission of May and June 2022 Progress Report	
450.	05.07.22	KGL/Dasu-JMK/22-99	Upstairs	
451.	05.07.22	KGL/Dasu-JMK/22-100	Eid ul Azha Holidays	
452.	22.07.22	KGL/Dasu-JMK/22-102	Submission of June 2022 Progress Report	
453.	22.07.22	KGL/Dasu-JMK/22-103	Submission of Staff Polices Clearance Certificate	
454.	22.07.22	KGL/Dasu-JMK/22-104	Procurement Plan of Marble , Tiles and Plumbing Works	
455.	27.07.22	KGL/Dasu-JMK/22-105	2nd Reminder Early Warning Under Clause 31	
456.	30.07.22	KGL/Dasu-JMK/22-106	2nd Reminder of Roof Treatment	
2.16 Dasu LADP-PKG-01				
Dasu Office				
457.	05.07.22	Project/LADP/PKG1/026	PKG-01-Availability of Coarse Aggregate Size at Source for Concrete Mix Design	
458.	21.07.22	Project/LADP/PKG1/027	Submission of Insurance Policies	

Outgoing Letters from DHC

Sr. No	Date	Letter No.	Subject	Remarks
1. To WAPDA				
1.1. General				
Lahore office				
1.	05.07.22	DHC/LHR/WAPDA/GEN/zuh /22-092	Request for Approval of Mr. Sultan Zeb TBN Position of Sr. Electrical Engineer (Solar Panel)/Construction Planner (LA22)	
2.	06.07.22	DHC/LHR/WAPDA/GEN/zuh /22-093	Request for Approval of Mr. Waleed Saqib against TBN Position of Jr. Road Engineer (RAR-02) L90	
3.	06.07.22	DHC/LHR/WAPDA/GEN/zuh /22-094	Request for Approval of Mr. Ahmad Hussain for Position of Jr. Road Engineer (KKH-02) J91 as a Replacement of Mr. Rao Ali Haider	
4.	14.07.22	DHC/LHR/WAPDA/GEN/zuh /22-095	Request for Approval of Inter-Adjustment of Remuneration in JPY, EURO and PKR Portion within Approved AM-4(B) in Consultancy Services Agreement under Assignment-B	
5.	14.07.22	DHC/LHR/WAPDA/GEN/zuh /22-096	Request for Approval of Mr. Imran Zazir for Position of Jr. Costing & Construction Planner/Schedule Monitoring Engineer L85 as a Replacement of Mr. Naveed Khan	
6.	20.07.22	DHC/LHR/WAPDA/GEN/aiq /22-097	Invoice Remuneration of Local Currency Portion for the Month of June 2022	
7.	25.07.22	DHC/LHR/WAPDA/GEN/zuh /22-098	Request for Approval of Mr. Asad Fareed for TBN Position of Sr. Engineer (Finance) ? Financial Expert / Sr. Contract Engineer (L127)	
8.	25.07.22	DHC/LHR/WAPDA/GEN/aiq /22-099	Approval of Inter-adjustment in Reimbursable Expenses in Local and Foreign Currency Portions with Approved Amendment No. 4 (B)	
Dasu office				
9.	01.07.22	DHC/Dasu/WAPDA/GEN/you/22-369	Proposal for Bio Metric Security and Walk-Through Gates at Dasu HPP Construction Sites	
10.	01.07.22	DHC/Dasu/WAPDA/GEN/sad/22-370	Survey of Access Road to Resettlement Site-4 at Kuz Chuchang	
11.	01.07.22	DHC/Dasu/WAPDA/GEN/you/22-371	Security Arrangements for Travelling of CGGC Expatriates	
12.	01.07.22	DHC/Dasu/WAPDA/GEN/myb/22-372	Security Arrangements for Travelling of DHC Expatriate (Mr.Tatsuya Miyazato)	
13.	01.07.22	DHC/Dasu/WAPDA/GEN/myb/22-373	Security Arrangements for Travelling of DHC Expatriates (Mr.Birol Murat & Mr.Selcuk Genc)	
14.	01.07.22	DHC/Dasu/WAPDA/GEN/myb/22-374	Security Arrangements for Travelling of DHC Expatriates (Mr.Masaaki Otake & Mr.Le Tien Duc)	
15.	01.07.22	DHC/Dasu/WAPDA/GEN/myb/22-375	Security Arrangements for Travelling of DHC Expatriates (Mr.Ali Onur Kuyucak & Mr.Birol Murat Erdolu)	
16.	03.07.22	DHC/Dasu/WAPDA/GEN//22/you-376	Security Arrangements for Travelling of MSC Expatriate	
17.	04.07.22	DHC/Dasu/WAPDA/GEN//22/nhs/22-376	Change of Ownership Revenue Record	
18.	05.07.22	DHC/Dasu/WAPDA/GEN/cad/22-378	Request for Reply to Audit Observations of WAPDA Internal Audit for the FY.2019.21	
19.	05.07.22	DHC/Dasu/WAPDA/GEN/tm/22-379	Submission of Revised Report on Updating Detailed Design Time Schedule and Cost Estimate for Dasu Stage-II (Rev.E)	
20.	05.07.22	DHC/Dasu/WAPDA/GEN/myb/22-380	Security Arrangements for Travelling of DHC Expatriates	
21.	05.07.22	DHC/Dasu/WAPDA/GEN/myb/22-381	381-05.07.22-Security Arrangements for Travelling of DHC Expatriates	
22.	05.07.22	DHC/Dasu/WAPDA/GEN/myb/22-382	Security Arrangements for Travelling of DHC Expatriate (Mr.Fidencio Mendez)	
23.	05.07.22	DHC/Dasu/WAPDA/GEN//22/myb/22-383	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Tatsuya Miyazato)	
24.	05.07.22	DHC/Dasu/WAPDA/GEN/myb/22-384	Security Arrangements for Travelling of DHC Expatriate as Special Case ((Michael Gerard Canny)	
25.	05.07.22	DHC/Dasu/WAPDA/GEN/myb/22-385	Security Arrangements for Travelling of DHC Expatriates as a Special Case (Mr.Nakajima Takao)	
26.	05.07.22	DHC/Dasu/WAPDA/GEN//22/myb/22-386	Security Arrangements for Travelling of DHC Expatriates as a Special Case (Mr.Tatsuya Miyazato & Mr.Okan Alper Koruk)	
27.	06.07.22	DHC/Dasu/WAPDA/GEN//22/sad/22-387	Tentative Cost Estimates for Forest Wild Fruit Trees for Additional Funds for KKH-01 Additional Land PTB-1 and PTB-3	
28.	06.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-388	Security Arrangement for Travelling of PCCC Expatriate	
29.	06.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-389	Security Arrangement for Travelling of PCCC Expatriates	
30.	07.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-390	-Security Arrangements for Travelling of CGGC Expatriate	
31.	07.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-391	-Security Arrangements for Travelling of CGGC Expatriate	
32.	07.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-392	-Security Arrangements for Travelling of CGGC Expatriates	
33.	07.07.22	DHC/Dasu/WAPDA/GEN//22/amr22-393	Categorization of ESMR Claims	
34.	07.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-394	Security Arrangement for Travelling of CGICOP Expatriate	
35.	07.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-395	Security Arrangements for Travelling of CGGC Expatriates	
36.	13.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-396	Security Arrangements for Travelling of PCCC Expatriates	
37.	13.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-397	Security Arrangements for Travelling of ZEGL Expatriates	

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Appendix E [14/22]

Sr. No	Date	Letter No.	Subject	Remarks
38.	15.07.22	DHC/Dasu/WAPDA/GEN//22/nak/22-398	Security Arrangements for Travelling of DHC Expatriate (Mr. Takeaki Izawa & Mr. Shinsaku Kayano)	
39.	15.07.22	DHC/Dasu/WAPDA/GEN//22/nak/22-399	Security Arrangements for Travelling of DHC Expatriate (Mr. Neil White)	
40.	15.07.22	DHC/Dasu/WAPDA/GEN//22/tm/22-400	Proposal on Replacement of K-12 Resident Engineer (Hydraulic Steel Structure)(Assign B)	
41.	15.07.22	DHC/Dasu/WAPDA/GEN//22/nak/22-401	Revised Security Arrangements of Travelling of DHC Expatriate (Mr. Izawa & Shinsaku Kayano)	
42.	18.07.22	DHC/Dasu/WAPDA/GEN/you/22-402	Security Arrangement for Travelling of PCCC Expatriate	
43.	18.07.22	DHC/Dasu/WAPDA/GEN/you/22-403	Security Arrangement for Travelling of CGGC Expatriate	
44.	18.07.22	DHC/Dasu/WAPDA/GEN/you/22-404	Security Arrangement for Travelling of CGGC Expatriate	
45.	18.07.22	DHC/Dasu/WAPDA/GEN//22/you/22-405	Security Arrangement for Travelling of CCECC Expatriates	
46.	19.07.22	DHC/Dasu/WAPDA/GEN/sad/22/sad/22-406	Assessment Report of Forest I Wild Fruit Trees In Respect of "Component Viz KKH-01 Additional Land PTB-03"	
47.	19.07.22	DHC/Dasu/WAPDA/GEN/sad/22/sad/22-407	Assessment Report of Forest I Wild Fruit Trees In Respect of "Component Viz KKH-01 Additional Land PTB-01"	
48.	19.07.22	DHC/Dasu/WAPDA/GEN/you/22-408	Security Arrangement for Travelling of CCECC Expatriate	
49.	19.07.22	DHC/Dasu/WAPDA/GEN/you/22-409	Security Arrangement for Travelling of CGGC Expatriate	
50.	19.07.22	DHC/Dasu/WAPDA/GEN/tm/22-410	MPR No.95 for the Month of June 2022 under Assignment-B	
51.	20.07.22	DHC/Dasu/WAPDA/GEN/nak/22-411	Security Arrangements for Travelling of DHC Expatriate (Mr. Miyazato)	
52.	21.07.22	DHC/Dasu/WAPDA/GEN/you/22-412	Security Arrangement for Travelling of PCCC Expatriate	
53.	22.07.22	DHC/Dasu/WAPDA/GEN/you/22-413	Security Arrangement for Travelling of CGGC Expatriate	
54.	22.07.22	DHC/Dasu/WAPDA/GEN/you/22-414	Security Arrangement for Travelling of ZEGL Expatriate	
55.	22.07.22	DHC/Dasu/WAPDA/GEN/you/22-415	Security Arrangement for Travelling of PCCC Expatriate	
56.	22.07.22	DHC/Dasu/WAPDA/GEN/you/22-416	Security Arrangement for Travelling of CCECC Expatriate	
57.	22.07.22	DHC/Dasu/WAPDA/GEN/you/22-417	Proposal for Bio Metric Security and Walk through Gates at Dasu HPP Construction Sites	
58.	22.07.22	DHC/Dasu/WAPDA/GEN/you/22-418	Sharing of Present Employee List Along with Police Clearance Certificate of All Pakistani Staff Working under DHPP	
59.	23.07.22	DHC/Dasu/WAPDA/GEN/nak/22-419	Revised Security Arrangements for Travelling of DHC Expatriate	
60.	23.07.22	DHC/Dasu/WAPDA/GEN/nak/22-420	Security Arrangements for Travelling of DHC Expatriate	
61.	25.07.22	DHC/Dasu/WAPDA/GEN/you/22-421	Security Arrangement for Travelling of CGGC Expatriate	
62.	25.07.22	DHC/Dasu/WAPDA/GEN/myb/22-422	Security Arrangements for travelling of DHC Expatriates (Mr. Batuhan)	
63.	26.07.22	DHC/Dasu/WAPDA/GEN/myb/22-423	Security Arrangements for travelling of DHC Expatriates (Mr. Nakata & Duong)	
64.	26.07.22	DHC/Dasu/WAPDA/GEN/myb/22-424	Security Arrangement for Travelling of PCCC Expatriate	
65.	27.07.22	DHC/Dasu/WAPDA/GEN/you/22-425	425-27.07.22-Security Arrangements for Travelling of CCECC Expatriate	
66.	27.07.22	DHC/Dasu/WAPDA/GEN/you/22-426	Security Arrangements for Travelling of CCECC Expatriate	
67.	27.07.22	DHC/Dasu/WAPDA/GEN/rob/22-427	Response to Observations Comments on Cost Estimate of Skill Development Training in Kuz Chuchang	
68.	27.07.22	DHC/Dasu/WAPDA/GEN/myb/22-428	Revised Security Arrangements for Travelling of DHC Expatriates (Mr. Shuji Nakata & Mr. Nguyen Huu Duong)	
69.	27.07.22	DHC/Dasu/WAPDA/GEN/sad/22-429	GIS Verification of Land Parcels of Component Barseen Dumping and Reservoir Area-1	
70.	29.07.22	DHC/Dasu/WAPDA/GEN/you/22-430	Revised Security Arrangements for Travelling of CCECC Expatriates	
71.	29.07.22	DHC/Dasu/WAPDA/GEN/ghn/22-431	Report on the Perceptions of PAPS for Utilization of Compensation Money	
72.	30.07.22	DHC/Dasu/WAPDA/GEN/myb/22-432	Security Arrangements for Travelling of DHC Expatriate (Mr. Ali Onur Kuyucak)	
73.	31.07.22	DHC/Dasu/WAPDA/GEN/you/22-433	Security Arrangements for Travelling of CGGC Expatriates	
74.	31.07.22	DHC/Dasu/WAPDA/GEN/you/22-434	Security Arrangements for Travelling of CGGC Expatriates	
75.	31.07.22	DHC/Dasu/WAPDA/GEN/amr/22-435	Application Received by Minister for Water Resources During Visit of DHPP on 12.06.22	
76.	31.07.22	DHC/Dasu/WAPDA/GEN/you/22-436	Inspection Report of M&S Visit to Dasu Hydropower Project (March 2022)	
77.	31.07.22	DHC/Dasu/WAPDA/GEN/amr/22-437	Application Regarding Self-Managed Relocation	
1.2. Dasu-RAR-01				
Dasu office				
78.	05.07.22	DHC/Dasu/WAPDA/RAR-01/CAD/22-062	Inteim Payment Certificate No # 31.RAR-01	
1.3. Dasu-KKH-01				
Dasu office				
79.	16.07.22	DHC/Dasu/WAPDA/KKH-01/CAD/22-097	Request for Extension of Initial Advance Guarantee, No. IGT087400111215 & IGT087400111315	

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Appendix E [15/22]

Sr. No	Date	Letter No.	Subject	Remarks
80.	19.07.22	DHC/Dasu/WAPDA/KKH-01/nk/22-098	Calibration Schedule of Rock Bolt Pull out Machine (KKH-01)	
81.	22.07.22	DHC/Dasu/WAPDA/KKH-01/nk/22-103	Schedule for Calibration of Rock Bolt Pullout Machine and Sample Delivery and Testing at Third Party Laboratories, (KKH-01)	
82.	23.07.22	DHC/Dasu/WAPDA/KKH-01/Ohs/22-104	Request of Ms CCECC to Take-over and Control the Explosive Magazine of Ms ZEGL	
1.4. Dasu-KKH-02				
Dasu office				
83.	16.07.22	DHC/Dasu/WAPDA/KKH-02/OKK/22-083	Revised Design Proposal for KKH-02 (Rev 2) from K25+200 to K 62+213	
84.	27.07.22	DHC/Dasu/WAPDA/KKH-02/OKK/22-088	Submission of Layout for Barracks at Kaigah Camp.KKH-02	
1.5. Dasu-TL-01				
Dasu office				
85.	22.07.22	DHC/Dasu/WAPDA/TL-01/ cad/22-120	Interim Payment Certificate No. IPC NO. 61	
86.	25.07.22	DHC/Dasu/WAPDA/TL-01/ mrz/22-121	Installation of Fence at Grid Station.	
87.	27.07.22	DHC/Dasu/WAPDA/TL-01/ cad/22-123	Extension of Advance Payment Guarantee.TL-01	
1.6. Dasu-MW-01				
Dasu Office				
88.	02.07.22	DHC/Dasu/WAPDA/MW-01/you/22-295	Employment of Locals with Contractors Working at Tailrace Component-Kuz Chuchang	
89.	02.07.22	DHC/Dasu/WAPDA/MW-01/you/22-296	296-02.07.22-Employment of Rehiring of Four Pakistani Employees	
90.	05.07.22	DHC/Dasu/WAPDA/MW-01/nk/22-307	Requesting the Employer Recommendation on the Most Suitable Laboratory for Cement and Pozzolan Testing.MW-01	
91.	15.07.22	DHC/Dasu/WAPDA/MW-01/cad/22-322	REFERRAL No. 2- Provision of Power Supply (Dispute No.3)	
92.	21.07.22	DHC/Dasu/WAPDA/MW-01/nk/22-336	The Engineer's Respond on the Employer's Site Visit Report of CR9 Concrete Batching Plant, (MW-01)	
93.	22.07.22	DHC/Dasu/WAPDA/MW-01/shj/22-341	Interim Payment Certificate No # 29 - For Aprii-May-2022	
94.	22.07.22	DHC/Dasu/WAPDA/MW-01/shj/22-342	Justification for Issuance of Interim Payment Certificate No# 29	
95.	25.07.22	DHC/Dasu/WAPDA/MW-01/AO/22-348	Site Inspection Report for Flood in Indus River and Uchar Nullah	
96.	25.07.22	DHC/Dasu/WAPDA/MW-01/cad/22-350	Provision of Power Supply - Dispute No. 3	
97.	28.07.22	DHC/Dasu/WAPDA/MW-01/cad/22-358	Contractors Notice of Dissatisfaction as Per GC Sub-Clause 20.4 .MW-01	
98.	29.07.22	DHC/Dasu/WAPDA/MW-01/nk/22-359	Schedule for Third Party Laboratory Testing Natural Pozzolan Blender Cement and other Contraction Material MW-01	
99.	30.07.22	DHC/Dasu/WAPDA/MW-01/AO/22-363	Site Inspection Report for Second Flood in Uchar Nullah MW-01	
1.7 Dasu-MW-02				
Dasu Office				
100.	23.07.22	DHC/Dasu/WAPDA/MW-02/ shj/22-303	Interim Payment Certificate No # 29 - For Aprii-May-2022	
101.	23.07.22	DHC/Dasu/WAPDA/MW-02 / shj/22-304	Justification for Issuance of Interim Payment Certificate No# 29	
102.	24.07.22	DHC/Dasu/WAPDA/MW-02/ Ohs/22-305	Initial Incident Report dated -24th July 2022	
103.	29.07.22	DHC/Dasu/WAPDA/MW-02/ nk/22-309	Schedule for Third Party Laboratory Testing of Natural Pozzolan Blended Cement and other Construction Materials MW-02	
1.8 Dasu LBRV-11				
Dasu Office				
104.	22.07.22	DHC/Dasu/WAPDA/LBRV-11/CAD/22-060	V0-003-Slope Protection Works at Khoshe-1	
105.	22.07.22	DHC/Dasu/WAPDA/LBRV-11/CAD/22-061	V0-002-Slope Protection Works at Uchar -01	
106.	25.07.22	DHC/Dasu/WAPDA/LBRV-11/kan/22-062	Public Structure Omission from the Ambit of LBRV-11	
107.	25.07.22	DHC/Dasu/WAPDA/LBRV-11/CAD/22-063	Supporting Particulars for the Evaluation of Time Impact Analysis	
1.9 Dasu-LBRV-12				
Dasu office				
108.	22.07.22	DHC/Dasu/WAPDA/LBRV-12/CAD/22-037	VO-001-Slope Protection Works at Nasirabad Site -1 and Site -2	
1.10 Dasu-PCI-01R				
Dasu office				
109.	01.07.22	DHC/Dasu/WAPDA/PCI-01R/CAD/22-179	Interim Payment Certificate No.31.PCI-01R	

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Appendix E [16/22]

Sr. No	Date	Letter No.	Subject	Remarks
110.	19.07.22	DHC/Dasu/WAPDA/PCI-01R/kan/22-190	Provision of Windows in Office Building Rooms	
111.	19.07.22	DHC/Dasu/WAPDA/PCI-01R/cad/22-191	VO-012-Supply and Installation of Expansion Joint Filler and Backing Rod in Project Office, Community Center, Hostel Cat-3 and Hospital Buildings	
112.	19.07.22	DHC/Dasu/WAPDA/PCI-01R/cad/22-192	Supplying and Installation of False Ceiling (Gypsum Board) in Project Office Building Complete in all Respect.	
113.	20.07.22	DHC/Dasu/WAPDA/PCI-01R/cad/22-193	Contractor's Response to Establishment of Dispute Board	
114.	20.07.22	DHC/Dasu/WAPDA/PCI-01R/cad/22-199	Design, Supply, Installation, Testing and Commissioning of Diesel Generators for Project Office and Category-1 and 2	
115.	26.07.22	DHC/Dasu/WAPDA/PCI-01R/cad/22-200	Payment of the Outstanding Amount Rs. 17,242,550 as on 30th April 2022	
1.11 Dasu EM-01				
Dasu Office				
116.	05.07.22	DHC/WAPDA/EM-01/sn/22-180	Magnitude of Lightning Stroke on Transmission line.EM-01	
117.	05.07.22	DHC/WAPDA/EM-01/sn/22-181	Short Circuit Level for Dasu HPP.EM-01	
118.	15.07.22	DHC/WAPDA/EM-01/sn/22-195	Dasu HPP Application of Change Order on Update AVR Excitation System	
119.	19.07.22	DHC/Dasu/WAPDA/EM-01/sn/22-201	Request for Coordinate with Locals at EM-01 Camp Site	
120.	21.07.22	DHC/Dasu/WAPDA/EM-01/sn/22-206	Proposal to add Supplier of Stay Ring -GE Hydro China Co.Ltd	
121.	25.07.22	DHC/Dasu/WAPDA/EM-01/sn/22-219	Proposal to Add Supplier of Auto Silt Monitoring System	
122.	25.07.22	DHC/Dasu/WAPDA/EM-01/sn/22-220	Proposal to Add Supplier of Unit Online Monitoring System	
123.	26.07.22	DHC/Dasu/WAPDA/EM-01/sn/22-222	Reply to NTDC Comments on Transmission Line Protection.EM-01	
124.	26.07.22	DHC/Dasu/WAPDA/EM-01/cad/22-223	Import Process Confirmation Request	
125.	29.07.22	DHC/Dasu/WAPDA/EM-01/cad/22-229	Change in the Shunt Reactor Rating from 120 to 180 MVAR Bank.EM-01	
126.	30.07.22	DHC/Dasu/WAPDA/EM-01/mrz/22-330	Dasu Transmission Line Projects Shunt Reactor Rating and Short Circuit Level of Switchgear Equipment for Dasu HPP WAPDA.EM-01	
1.12 Dasu RV				
Dasu Office				
127.	25.07.22	DHC/Dasu/WAPDA/RV/Kan/22-051	Request for Omission of Remaining Works of Archeological Site Shatial (Rock Carving Museum)	
1.13 Dasu-LADP				
Dasu Office				
128.	05.07.22	DHC/Dasu/WAPDA/LADP/njm/22-032	LADP-Monthly Progress Report No.39 for the Month of June 2022	
129.	05.07.22	DHC/Dasu/WAPDA/LADP/mfn/22-033	LADP-MSWM-Draft Bidding Document	
130.	31.07.22	DHC/Dasu/WAPDA/LADP/zia/22-034	LADP-Engineer Estimate for 04 Water Supply Schemes	
2.14 Dasu LADP-MI-1				
Dasu Office				
131.	01.07.22	DHC/Dasu/WAPDA/MI-1/zia/22-054	LADP-RHC-Reminder for Review and Approval of Jet Shower (6X6) & Shower Arm (09)	
132.	26.07.22	DHC/Dasu/WAPDA/MI-1/njm/22-058	Dismantling and Disposal of Block Masonry wall	
2.15 Dasu LADP-MI-2				
Dasu Office				
133.	19.07.22	DHC/Dasu/WAPDA/MI-2/mfn/22-026	Interim Payment Certificate No.5	
2. To Contractors				
2.1 RAR-01				
Dasu Office				
1.	05.07.22	DHC/Dasu/CCECC/RAR-01/tm/22-063	Placement of QRD ex Dir Scouts at Zaal Camp.RAR-01	
2.	22.07.22	DHC/Dasu/CCECC/RAR-01/cad/22-064	Extension of the Contractor's Workmen's Compensation (WC) Insurance Policy	
3.	26.07.22	DHC/Dasu/CCECC/RAR-01/cad/22-065	Taking-over Certificate for the Part of the Works (K9 TO K12)	
2.2 RAR-02				
Dasu office				
4.	05.07.22	DHC/Dasu/CGGC/RAR-02/ohs/22-056	-Occupational Health Safety Management Plan OHSMP Approval.RAR-02	

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Appendix E [17/22]

Sr. No	Date	Letter No.	Subject	Remarks
5.	05.07.22	DHC/Dasu/CGGC/RAR-02/okk/22-057	Civil Traffic Blockage Due to Blasting at Kandia Access.RAR-02	
6.	06.07.22	DHC/Dasu/CGGC/RAR-02/okk/22-058	Construction Drawings of RAR-02 (K39+800-K53+973).RAR-02	
7.	07.07.22	DHC/Dasu/CGGC/RAR-02/okk/22-059	Civil Traffic Blockage Due to Blasting.RAR-02	
8.	07.07.22	DHC/Dasu/CGGC/RAR-02/okk/22-060	Submission of Layout Plan and Land Acquisition for Kandia Camp.RAR-02	
9.	07.07.22	DHC/Dasu/CGGC/RAR-02/okk/22-061	Design and Construction of Access Road from Kandia Suspension Bridge to RAR-02	
10.	13.07.22	DHC/Dasu/CGGC/RAR-02/OHS22-062	OHS NCR Closure (22-01)	
11.	16.07.22	DHC/Dasu/CGGC/RAR-02/OHS22-063	Training and Certification of Shot firers and Blasters-Examination for Licensed Blasters	
12.	16.07.22	DHC/Dasu/CGGC/RAR-02/OKK/22-064	The Contractor's Proposal for Crossing the Gully at Km 13+300 RAR-02	
13.	18.07.22	DHC/Dasu/CGGC/RAR-02/Ohs/22-065	Controlled Blasting Activities	
14.	22.07.22	DHC/Dasu/CGGC/RAR-02/cad/22-066	Extension of the Contractor's Workmen's Compensation (WC) Insurance Policy	
15.	28.07.22	DHC/Dasu/CGGC/RAR-02/ohs/22-067	Hiring & Mobilization of Qualified Occupational Health and Safety Specialist for RAR-02	
2.3 KKH-01				
Dasu Office				
16.	02.07.22	DHC/Dasu/CCECC/KKH-01/hhc/22-093	Slow Engineers Reply for Delay Caused by Engineers Assistant in the Source Approval of Material.KKH-01	
17.	06.07.22	DHC/Dasu/CCECC/KKH-01/zic/22-094	Spoil Disposal Along the River Near Dasu Nullah Bridge.KKH-01	
18.	07.07.22	DHC/Dasu/CCECC/KKH-01/jf/22-095	Reply for Resubmission of Proposal on Protection Wall for Contractors Camp Uchar Area.KKH-01	
19.	16.07.22	DHC/Dasu/CCECC/KKH-01/ohs/22-096	Training and Certification of Shot firers and Blasters-examination for Licensed Blasters	
20.	19.07.22	DHC/Dasu/CCECC/KKH-01/ohs/22-099	Reminder Letter Resubmission of the Revised Electromechanical (EM) Engineering Design of the Road Tunnels	
21.	21.07.22	DHC/Dasu/CCECC/KKH-01/ohs/22-100	Schedules for the Sample Delivery, Testing and Calibration Activities to be Performed at Third Party Laboratories, (KKH-01)	
22.	21.07.22	DHC/Dasu/CCECC/KKH-01/tm/22-101	Comments on New Weightage Analysis for Escalation of V0-005	
23.	22.07.22	DHC/Dasu/CCECC/KKH-01/cad/22-102	Request for Extension of Initial Advance Payment Guarantee No. IGT087400111215 & IGT087400111315	
24.	23.07.22	DHC/Dasu/CCECC/KKH-01/jf/22-105	Comments on Submission of Proposal for Uchar Camp Protection Wall	
25.	27.07.22	DHC/Dasu/CCECC/KKH-01/hhc/22-106	Realignment Bridge Design Works Workshop Minutes of Meeting.KKH-01	
26.	28.07.22	DHC/Dasu/CCECC/KKH-01/bth/22-107	Reply to the Submission of Method Statement of Dasu-02 (K4) Tunnel.KKH-01	
2.4 Dasu-KKH-02				
Dasu Office				
27.	05.07.22	DHC/Dasu/CGGC/KKH-02/OHS/22-079	Occupational Health Safety Management Plan OHSMP Approval.KKH-02	
28.	06.07.22	DHC/Dasu/CGGC/KKH-02/OKK/22-080	Hand Over of Row for KKH-02	
29.	13.07.22	DHC/Dasu/CGGC/KKH-02/HOG/22-081	The Geological status around Kandiah Landslide	
30.	16.07.22	DHC/Dasu/CGGC/KKH-02/Ohs/22-082	Training and Certification of Shot firers and Blasters-examination for Licensed Blasters	
31.	22.07.22	DHC/Dasu/CGGC/KKH-02/hog/22-084	Excavation Methods at the Risky Steep Clff. Access Road of the RAR-02	
32.	22.07.22	DHC/Dasu/CGGC/KKH-02/OKK/22-085	Resettlement of the Residents	
33.	25.07.22	DHC/Dasu/CGGC/KKH-02/OKK/22-086	Construction Activity near Kandia of KKH-02	
34.	27.07.22	DHC/Dasu/CGGC/KKH-02/OKK/22-087	New Camps Working Sites.KKH-02	
35.	28.07.22	DHC/Dasu/CGGC/KKH-02/ohs/22-089	Hiring & Mobilization of Qualified Occupational Health and Safety Specialist for KKH-02	
36.	28.07.22	DHC/Dasu/CGGC/KKH-02/okk/22-091	Request to Acquire the Land for Spoil Dumping Site for KKH-02	
37.	29.07.22	DHC/Dasu/CGGC/KKH-02/okk/22-092	Minimum Amount of Interim Payment Certificate- Request for Contract Amendment.KKH-02	
2.5 Dasu TL-01				
Dasu Office				
38.	01.07.22	DHC/Dasu/PCCC/TL-01/mrz/22-114	Handing Over of Remaining 20 Meter Land Access of Grid Station.TL-01	
39.	05.07.22	DHC/Dasu/PCCC/TL-01/mrz/22-115	Submission of Welding and Stringing Inspection form for Approval.TL-01	
40.	06.07.22	DHC/Dasu/PCCC/TL-01/mrz/22-116	Submission of Loads and Load Combination for Foundation .TL-01	
41.	13.07.22	DHC/Dasu/PCCC/TL-01/mrz/22-117	Slow Progress of Control House building at Grid Station	

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Appendix E [18/22]

Sr. No	Date	Letter No.	Subject	Remarks
42.	14.07.22	DHC/Dasu/PCCC/TL-01/mrz/22-118		
43.	20.07.22	DHC/Dasu/PCCC/TL-01/mrz/22-119	No Progress at Tower Erection and Stringing.	
44.	26.07.22	DHC/Dasu/PCCC/TL-01/mrz/22-122	Submission of. Slop Protection Plan and Design for Access Road of Grid Station.	
45.	28.07.22	DHC/Dasu/PCCC/TL-01/pls/22-124	Extension of Time for Completion (EOT-4) for TL-01	
2.6 Dasu MW-01				
Dasu Office				
46.	01.07.22	DHC/Dasu/CGGC/MW-01/nk/22-293	Approval of the Bestway HES (Stallion) OPC CEM I 52.5N Cement as ASTM C-150 Type III High Early Strength Cement MW-01	
47.	02.07.22	DHC/Dasu/CGGC/MW-01/nk/22-294	Request for Submission of Test Plan and Schedule for Natural Pozzolan and Other Construction Material Samples MW-01	
48.	02.07.22	DHC/Dasu/CGGC/MW-01/AO/22-297	Comments on Method Statement of Concrete Lining of the Diversion Tunnel Inlet Top Arch MW-01	
49.	03.07.22	DHC/Dasu/CGGC/MW-01/YS/22-298	Interim Payment Application No.29.MW-01	
50.	04.07.22	DHC/Dasu/CGGC/MW-01/ohs/22-299	Emergency Planning for Potential Flood.MW-01	
51.	04.07.22	DHC/Dasu/CGGC/MW-01/ys/22-300	Request of Provision of AC Load Lists.MW-01	
52.	04.07.22	DHC/Dasu/CGGC/MW-01/dn/22-301	Drawing Issue for Construction Traffic Diversion Tunnels Downstream Portal.MW-01	
53.	05.07.22	DHC/Dasu/CGGC/MW-01/ohs/22-302	Occupational Health Safety Management Plan OHSMP Approval.MW-01	
54.	05.07.22	DHC/Dasu/CGGC/MW-01/cad/22-303	Engineers Assessment on the Principle of Claim on Contractors Claim Entitled Illegal Industrial Action on the MW-01 Contract	
55.	05.07.22	DHC/Dasu/CGGC/MW-01/cad/22-304	Dispute Boards Non-Binding Opinion No.1 Pertaining to Landslide Notice.MW-01	
56.	05.07.22	DHC/Dasu/CGGC/MW-01/cad/22-305	Claim for Additional Payment for the Work Hindrance for MW-01	
57.	05.07.22	DHC/Dasu/CGGC/MW-01/cad/22-306	Claim for Additional Payment Due to Landslide for MW-01	
58.	07.07.22	DHC/Dasu/CGGC/MW-01/tnk/22-308	Comments on Submission of Method Statement of Consolidation Grouting and Cavity Grouting for Diversion Tunnel Plugging.MW-01	
59.	07.07.22	DHC/Dasu/CGGC/MW-01/AO/22-309	Deficient Concrete Thickness of Crown Portion for Diversion Tunnel B Part 3 MW-01	
60.	07.07.22	DHC/Dasu/CGGC/MW-01/HN/22-310	Proposal of Power Supply for NO.1 Batching and No.1 Crushing Plant at Uchar Thoki.MW-01	
61.	07.07.22	DHC/Dasu/CGGC/MW-01/nk/22-311	Approval of DEWAN Hattar Cement Factory as Cement Manufacturer, (MW-01)	
62.	09.07.22	DHC/Dasu/CGGC/MW-01/jf/22-312	Reply for Design of Diversion Tunnel Hoist Tower and Decks	
63.	09.07.22	DHC/Dasu/CGGC/MW-01/jf/22-313	Reply for Design of Diversion Tunnel Hoist Tower and Decks	
64.	09.07.22	DHC/Dasu/CGGC/MW-01/AO22-314	Preventive Measures for Flood, MW-01	
65.	10.07.22	DHC/Dasu/CGGC/MW-01/AO/22-315	Comments on Method Statement for Excavation of RCC Dam, MW-01	
66.	11.07.22	DHC/Dasu/CGGC/MW-01/AO/22-316	Comments on Diversion Tunnel Works, MW-01	
67.	12.07.22	DHC/Dasu/CGGC/MW-01/dn/22-317	Comments on Submitted Documents for Formwork and Scaffolding of Diversion Tunnel Inlet Transition (MW-01)	
68.	12.07.22	DHC/Dasu/CGGC/MW-01/dn/22-318	Drawing issue for Construction Diversion Tunnels- Inlet Below EL.802.90-2nd Concrete Stage)	
69.	13.07.22	DHC/Dasu/CGGC/MW-01/dn/22-319	Comments on Submission of Design Documents of Cable Crane (Revision 6)	
70.	15.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-320	Second Reminder- Provision of Vehicles	
71.	15.07.22	DHC/Dasu/CGGC/MW-01/ JF/22-321	Comments on Summary Report of Cut-off Wall Site Test	
72.	16.07.22	DHC/Dasu/CGGC/MW-01/ ohs/22-323	Training and Certification of Shot Firers and Blasters-examination for Licensed Blasters	
73.	16.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-324	Extension of the Contractor's Workmen's Compensation (WC) Insurance Policy	
74.	16.07.22	DHC/Dasu/CGGC/MW-01/ zic/22-325	Non Compliances with respect to EMAP & ECP's by CGGC MW-01 Component	
75.	18.07.22	DHC/Dasu/CGGC/MW-01/ TNK/22-326	Approval of Consolidation Grouting Pressure	
76.	20.07.22	DHC/Dasu/CGGC/MW-01/ TNK/22-327	Instruction to Carryout Air and Noise Dispersion Modelling for Proposed Seo Crusher Plant	
77.	18.07.22	DHC/Dasu/CGGC/MW-01/ ohs/22-328	Dedicated Vehicle for OHSO-MW-01	
78.	19.07.22	DHC/Dasu/CGGC/MW-01/ nk/22-329	Deficiencies and Non-conformities Observed at the CR9 Concrete Batching Plant, (MW-01)	
79.	20.07.22	DHC/Dasu/CGGC/MW-01/ ohs/22-330	Extension of Provisional Approval for OHSO-Saeed-ul-Hassan	
80.	20.07.22	DHC/Dasu/CGGC/MW-01/ nk/22-331	The Engineer's Comments on the Contractor's Proposal for CVC Concrete Mix Designs with Natural Pozzolan,	
81.	20.07.22	DHC/Dasu/CGGC/MW-01/ nk/22-332	Approval of A25 Class Concrete Mix Design (Dmax= 50 mm Slump= 30-50 mm)	
82.	20.07.22	DHC/Dasu/CGGC/MW-01/ AO/22-333	Resource Loaded Construction Schedule for Diversion Tunnels	

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Sr. No	Date	Letter No.	Subject	Remarks
83.	21.07.22	DHC/Dasu/CGGC/MW-01/ you/22-334	Application of Mr. Gul Rehman S/O Noor Muhammad through Deputy Commissioner (Upper Kohistan)	
84.	21.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-335	Confirmation for Payment of Hire Charges for Helicopter Services	
85.	21.07.22	DHC/Dasu/CGGC/MW-01/ nk/22-337	Comments on the Submitted Plan for Third Party Laboratory Testing of Construction Materials. (MW-01)	
86.	22.07.22	DHC/Dasu/CGGC/MW-01/ JF/22-338	Comments on Cut - off Concrete Trial Mix Protection	
87.	22.07.22	DHC/Dasu/CGGC/MW-01/ JF/22-339	Design Data of Diversion Tunnel Gates for Remedial Activities of Tunnels and Operating Instruction	
88.	22.07.22	DHC/Dasu/CGGC/MW-01/ you/22-340	Security Lapses at CGGC's Hattian - Kamra Camp	
89.	20.07.22	DHC/Dasu/CGGC/MW-01/ AO/22-343	Requirement of Detail Analysis for Lack of Aggregates, MW-01	
90.	20.07.22	DHC/Dasu/CGGC/MW-01/ AO/22-344	Slow Progress of Structural Concrete Works in Diversion Tunnels	
91.	23.07.22	DHC/Dasu/CGGC/MW-01/ AO/22-345	Request early Submission of Proposal for the Remedial Works for Arch Portions of Diversion Tunnels.	
92.	23.07.22	DHC/Dasu/CGGC/MW-01/ AO/22-346	Daywork order for relocation water tank and water pipes in Kass	
93.	23.07.22	DHC/Dasu/CGGC/MW-01/ AO/22-347	Minutes of Weekly Meetings 14th June 2022 and 21st June 2022	
94.	25.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-349	Fire Incident at River Diversion Inlet Area	
95.	26.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-351	Payment of Hire Charges for Helicopter Services	
96.	26.07.22	DHC/Dasu/CGGC/MW-01/ AO/22-352	Request to solve water supply problem for CR2 and CR9 Batching Plants, MW-01	
97.	26.07.22	DHC/Dasu/CGGC/MW-01/ HUR/22-353	Daywork order to Open the KKH Road after Flooding. MW-01	
98.	27.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-354	Third Reminder Provision of Vehicles.MW-01	
99.	26.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-355	Royalties and Licensing fee Payment to Mines and Mineral Development Department KPK.MW-01	
100.	27.07.22	DHC/Dasu/CGGC/MW-01/ zic/22-356	Engineers Comments on Environmental Report for June 2022.MW-01	
101.	27.07.22	DHC/Dasu/CGGC/MW-01/ dn/22-357	Comments on Submitted Document for Formwork and Scaffolding of Diversion Tunnel Inlet Transition Revision-1.MW-01	
102.	29.07.22	DHC/Dasu/CGGC/MW-01/ jf/22-360	Comments on Cut Off Concrete Trial Mix Proportion.MW-01	
103.	29.07.22	DHC/Dasu/CGGC/MW-01/ cad/22-361	Designation of Contractors Representative to Liaise with the Engineer Regarding Claims.MW-01	
104.	29.07.22	DHC/Dasu/CGGC/MW-01/ dn/22-362	Comments on Calculations and Drawings for Formwork and Scaffolding for Diversion Tunnel B Shear Zone MW-01	
2.7 Dasu MW-02				
Dasu Office				
105.	01.07.22	DHC/Dasu/CGGC/MW-02/nk/22-277	Approval of the Bestway HES (Stallion) OPC CEM I 52.5 N Cement as ASTM C150 Type III High Early Strength Cement MW-02	
106.	03.07.22	DHC/Dasu/CGGC/MW-02/ys/22-278	Interim Payment Application No.29.MW-02	
107.	04.07.22	DHC/Dasu/CGGC/MW-02/ohs/22-279	Emergency Planning for Potential Flood.MW-02	
108.	04.07.22	DHC/Dasu/CGGC/MW-02/ys/22-280	Request of Provision of AC Load Lists.MW-02	
109.	05.07.22	DHC/Dasu/CGGC/MW-02/ohs/22-281	281-05.07.22-Occupational Health Safety Management Plan OHSMP Approval.MW-02	
110.	05.07.22	DHC/Dasu/CGGC/MW-02/cad/22-282	Claim for Additional Payment Due to Landslide for MW-02	
111.	05.07.22	DHC/Dasu/CGGC/MW-02/cad/22-283	Claim for Additional Payment for the Consequences of the LNG Truck Incident.MW-02	
112.	05.07.22	DHC/Dasu/CGGC/MW-02/cad/22-284	Engineers Assessment on the Principle of Claim on Contractors Claim Entitled Illegal Industrial Action on the MW-02	
113.	05.07.22	DHC/Dasu/CGGC/MW-02/cad/22-285	Claim for Additional Payment for the Firing Incident.MW-02	
114.	05.07.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-286	Location Tailrace Diversion of KKH from Existing KKH Road	
115.	06.07.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-287	Location Tailrace Diversion of KKH from Existing KKH Road.MW-02	
116.	06.07.22	DHC/Dasu/CGGC/MW-02/ys/22-288	The Removal of Spoil Material Back to Natural Ground Formation Switchyard Area MW-02 (Day Work order)	
117.	06.07.22	DHC/Dasu/CGGC/MW-02/ys/22-289	Ventilation Within the Entire Underground Powerhouse Complex.MW-02	
118.	05.07.22	DHC/Dasu/CGGC/MW-02/cad/22-290	Claim for Additional Payment Due to Work Hindrance.MW-02	
119.	07.07.22	DHC/Dasu/CGGC/MW-02/mgc/22-291	Construction Priorities MW-02 Complete Surface and Underground Powerhouse Complex	
120.	07.07.22	DHC/Dasu/CGGC/MW-02/nk/22-292	Approval of DEWAN Hatter Cement Factory as Cement Manufacturer MW-02	
121.	08.07.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-293	Location Tailrace Diversion of KKH from Existing KKH Road Urgent Recovery	
122.	13.07.22	DHC/Dasu/CGGC/MW-02/ohs/22-294	OHS NCR Closure (22-01)	
123.	15.07.22	DHC/Dasu/CGGC/MW-02/cad/22-295	Second Reminder- Provision of Vehicles	
124.	16.07.22	DHC/Dasu/CGGC/MW-02/ohs/22-296	Training and Certification of Shot Firers and Blasters-examination for Licensed Blasters	

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Appendix E [20/22]

Sr. No	Date	Letter No.	Subject	Remarks
125.	16.07.22	DHC/Dasu/CGGC/MW-02/ cad/22-297	Extension of the Contractor's Workmen's Compensation (WC) Insurance Policy	
126.	18.07.22	DHC/Dasu/CGGC/MW-02/ ohs/22-298	Dedicated Vehicle for OHSO-MW-02	
127.	19.07.22	DHC/Dasu/CGGC/MW-02/ PLS/22-299	Submission of the Contract Programme R5-D9A of MW-02	
128.	20.07.22	DHC/Dasu/CGGC/MW-02/ nk/22-300	Approval of A25 Class Concrete Mix Design (Dmax= 50 mm Slump= 30-50 mm)	
129.	21.07.22	DHC/Dasu/CGGC/MW-02/ ks/22-301	Construction Design Drawings for Steel Penstock	
130.	21.07.22	DHC/Dasu/CGGC/MW-02/ nk/22-302	Comments on the Submitted Plan for Third Party Laboratory Testing of Construction Materials, (MW-02)	
131.	25.07.22	DHC/Dasu/CGGC/MW-02/ Ohs/22-306	Fatal Incident Contract MW02 at CT -2 Tunnel	
132.	27.07.22	DHC/Dasu/CGGC/MW-02/ ks/22-307	307-27.07.22-Submission of the Construction Drawings of Tailrace Outlet Hoists (rev.D1) (HSS).MW-02	
133.	28.07.22	DHC/Dasu/CGGC/MW-02/ Ohs/22-308	Requirement of Independent Incident Facilitator.MW-02	
134.	28.07.22	DHC/Dasu/CGGC/MW-02/ ys/22-310	Response to the Construction of Temporary Powerhouse Crane.Mw-02	
135.	29.07.22	DHC/Dasu/CGGC/MW-02/ cad/22-311	Designation of Contractors Representative to Liaise with the Engineer Regarding Claims.MW-02	
2.8 Dasu-LBRV-11				
Dasu Office				
136.	14.07.22	DHC/Dasu/ZEGL/LBRV-11/CAD/22-055	Updated List of all Equipment Mobilized for Contracts LBRV-11 and LBRV-12	
137.	15.07.22	DHC/Dasu/ZEGL/LBRV-11/kan/22-056	Progress Review Minutes of Meeting held Dated 6th July, 2022	
138.	16.07.22	DHC/Dasu/ZEGL/LBRV-11/cad/22-057	Extension of Insurance Policies	
139.	17.07.22	DHC/Dasu/ZEGL/LBRV-11/kan/22-058	Reply to Defective Sewer System Works of Khoshe Site-2 Link-1	
140.	21.07.22	DHC/Dasu/ZEGL/LBRV-11/kan/22-059	Issuance of Drawing Safety Guard at Koshee-1 and Uchar-1	
141.	25.07.22	DHC/Dasu/ZEGL/LBRV-11/cad/22-063	Supporting Particulars for the Evaluation of Time Impact Analysis	
142.	26.07.22	DHC/Dasu/ZEGL/LBRV-11/cad/22-064	Erosion of Construction Material and Damage of Contractor's Camp due to Heavy Rainfall & Flood in River Indus	
143.	30.07.22	DHC/Dasu/ZEGL/LBRV-11/cad/22-065	Extension of Advance Guarantee.LBRV-11	
2.9 Dasu LBRV-12				
Dasu office				
144.	15.07.22	DHC/Dasu/ZEGL/LBRV-12/kan/22-035	Progress Review Minutes of Meeting held Dated 6th July, 2022	
145.	21.07.22	DHC/Dasu/ZEGL/LBRV-12/kan/22-036	Issuance of Drawing Safety Guard at Nasirabad-1 and Nasiabad-2	
146.	30.07.22		Extension of Advance Guarantee.LBRV-12	
2.10 Dasu-PCI-01R				
Dasu Office				
147.	01.07.22	DHC/Dasu/CGICOP/PCI-01R/cad/22-180	Notification of Extension of Time.PCI-01R	
148.	04.07.22	DHC/Dasu/CGICOP/PCI-01R/ohs/22-181	PPE Non Compliances-Supply of PPEs by the Employer or DHC and Deduction of PPEs Payment from Your Invoice IPC.PCI-01R	
149.	06.07.22	DHC/Dasu/CGICOP/PCI-01R/mrd/22-182	Progress Review Minutes of meeting held dated 27th June 2022.PCI-01R	
150.	06.07.22	DHC/Dasu/CGICOP/PCI-01R/mrd/22-183	Progress Review Minutes of Meeting Held Dated 19 June 2022.PCI-01R	
151.	06.07.22	DHC/Dasu/CGICOP/PCI-01R/mrd/22-184	Progress Review Minutes of Meeting Held Dated 11 June 2022.PCI-01R	
152.	13.07.22	DHC/Dasu/CGICOP/PCI-01R/kan/22-185	Demonstration of Three Types of Accessories on Wooden Doors	
153.	13.07.22	DHC/Dasu/CGICOP/PCI-01R/mrd/22-186	Construction of WAPDA Security Office	
154.	13.07.22	DHC/Dasu/CGICOP/PCI-01R/mrd/22-187	Construction of Telephone Exchange Building	
155.	14.07.22	DHC/Dasu/CGICOP/PCI-01R/cad/22-188	Consultation Meeting to Finalize the Pending Variations	
156.	16.07.22	DHC/Dasu/CGICOP/PCI-01R/cad/22-189	Extension of Insurance Policies	
157.	21.07.22	DHC/Dasu/CGICOP/PCI-01R/cad/22-194	Reply to The Contractor's Submission of Variation Order Regarding Additional Works of Project Colony	
158.	21.07.22	DHC/Dasu/CGICOP/PCI-01R/kan/22-195	Dust Problem at Colony Area Due to Crushing Plant Operation	
159.	21.07.22	DHC/Dasu/CGICOP/PCI-01R/cad/22-196	Submission of Revised Programme on Account of EOT	
160.	22.07.22	DHC/Dasu/CGICOP/PCI-01R/kan/22-197	Payment of the Outstanding Amount Rs. 17,242,550 as on 30th April 2022	
161.	23.07.22	DHC/Dasu/CGICOP/PCI-01R/kan/22-198	Progress Review minutes of meeting held dated 4th July, 2022	
162.	26.07.22	DHC/Dasu/CGICOP/PCI-01R/zic/22-201	Submission of Traffic Management Plan and Related Data	

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Appendix E [21/22]

Sr. No	Date	Letter No.	Subject	Remarks
163.	28.07.22	DHC/Dasu/CGICOP/PCI-01R/mrd/22-202	Construction of Trench and Manholes for Underground Electrical Service Cable in Project Colony PCI-01R	
164.	30.07.22	DHC/Dasu/CGICOP/PCI-01R/cad/22-203	Works Damaged Due to Heavy Rain Fall Flood at Uchar Nullah.PCI-01R	
165.	30.07.22	DHC/Dasu/CGICOP/PCI-01R/kan/22-204	Progress Review Minutes of Meeting Held dated 19th July 2022.PCI-01R	
166.	31.07.22	DHC/Dasu/CGICOP/PCI-01R/snr/22-205	Clarification for Change in Design of Boundary Wall for Residence Category-2 PCI-01R	
2.11 Dasu RV				
Dasu Office				
167.	06.07.22	DHC/Dasu/KGL/RV/mrz/22-050	Proposal for Design Supply Installation and Commissioning of Solar System for Project Office CAT-1 and CAT-2 Houses Project Colony	
168.	26.07.22	DHC/Dasu/KGL/RV/mrz/22-052	Proposal for Design Supply installation Testing and Commissioning of Solar System for Project office and Category 1 & 2 Houses at Project Colony. RV	
169.	30.07.22	DHC/Dasu/KGL/RV/mrd/22-053	Stoppage of Works at RV Choochang 01.RV	
2.12 EM-01				
Dasu Office				
170.	01.07.22	DHC/Dasu/GEPC/EM-01/CAD/22-177	Employers Liability Insurance.EM-01	
171.	01.07.22	DHC/Dasu/GEPC/EM-01/sn/22-178	Dasu Generator Rotor Fan Assembly Rotor Balancing Assembly Low Voltage Diagram Instrumentation List Housing and Opening Arrangement for Approval .EM-01	
172.	02.07.22	DHC/Dasu/GEPC/EM-01/sn/22-179	Submit the Updated Key Drawing List.EM-01	
173.	05.07.22	DHC/Dasu/GEPC/EM-01/sn/22-182	Dasu Generator Inspection Test Plan for Approval.EM-01	
174.	06.07.22	DHC/Dasu/GEPC/EM-01/sn/22-183	-Submission of Revised Dasu Powerhouse Cavern Equipment Arrangement Drawing.EM-01	
175.	07.07.22	DHC/Dasu/GEPC/EM-01/ys/22-184	Detailed Security Requirement for Kass Camp.EM-01	
176.	07.07.22	DHC/Dasu/GEPC/EM-01/sn/22-185	Reply for Foundation & Anchorage of Spiral Case and Stay Ring Submission for Approval.EM-01	
177.	07.07.22	DHC/Dasu/GEPC/EM-01/sn/22-186	Reply for the Detail Design Drawing of Upper Pit Liner and Air Admission Submission for Approval.EM-01	
178.	08.07.22	DHC/Dasu/GEPC/EM-01/sn/22-187	GE Reply for 072-12.07.22-Dasu Generator Slip Ring Assembly for Approval .EM-01	
179.	09.07.22	DHC/Dasu/GEPC/EM-01/sn/22-188	Reply for 041-08.03.22-Combined Bearing Complete for Approval	
180.	12.07.22	DHC/Dasu/GEPC/EM-01/sn/22-189	Reply for Detail Design Drawings of Lower Pit Liner Submission for Approval	
181.	08.07.22	DHC/Dasu/GEPC/EM-01/sn/22-190	Dasu Generator Stator Winding Assembly. Rotor Lead Assembly Grounding System for Approval	
182.	13.07.22	DHC/Dasu/GEPC/EM-01/sn/22-191	Internal Alignment on Protection System EM-01 and Shunt Reactor Capacity	
183.	13.07.22	DHC/Dasu/GEPC/EM-01/sn/22-192	Detail Design Drawings of Turbine Draft Tube Cone Submission for Approval	
184.	15.07.22	DHC/Dasu/GEPC/EM-01/sn/22-193	Equipment and Piping Arrangement of Turbine Draft Tube Dewatering Pipe Gallery for Approval	
185.	15.07.22	DHC/Dasu/GEPC/EM-01/sn/22-194	Application for Material Replacement Request 1 &2	
186.	16.07.22	DHC/Dasu/GEPC/EM-01/sn/22-196	Auto Silt Monitoring System	
187.	18.07.22	DHC/Dasu/GEPC/EM-01/sn/22-197	Reply for Main Shaft & Runner Pre-Assembly in GE Workshop	
188.	18.07.22	DHC/Dasu/GEPC/EM-01/sn/22-198	Dasu Generator Upper Floor Assembly, Shaft Current Monitoring Assembly, Electrical Consumer list For information	
189.	18.07.22	DHC/Dasu/GEPC/EM-01/sn/22-199	Reply for Lower Pit Liner & Pressure Taps Embedded Piping Drawing Submission for Approval	
190.	19.07.22	DHC/Dasu/GEPC/EM-01/sn/22-200	Submission Unit Online Monitoring System General Design Drawing	
191.	20.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-202	Alternative Supplier Proposal for Guide Vanes	
192.	20.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-203	Supplier Change Application for Turbine Shaft	
193.	07.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-204	Reply for Draft tube elbow , Anchorage and Air Admission Submission for Approval	
194.	05.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-205	Dasu Generator Stator Assembly ,Collector Static parts Arrangement for Approval	
195.	22.07.22	DHC/Dasu/GEPC/EM-01/ cad/22-207	Templates of Permission to Deliver and Packing List	
196.	22.07.22	DHC/Dasu/GEPC/EM-01/ cad/22-208	Request for Consent to Subcontract Main Transformer and Reactor	
197.	22.07.22	DHC/Dasu/GEPC/EM-01/ cad/22-209	Request for Consent to Subcontract Main Transformer and Reactor	
198.	22.07.22	DHC/Dasu/GEPC/EM-01/ cad/22-210	Resubmission Governor System Hydraulic drawing, Calculation notes	
199.	23.07.22	DHC/Dasu/GEPC/EM-01/ cad/22-211	Cost Comparison Report for Construction of Boundary Wall at EM-01 Site Camp	
200.	22.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-213	Dasu Generator Upper Bracket Lower Bracket Lower Bracket Foundation for Approval	
201.	23.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-214	Casting Blade-UT &MT testing procedure for approval	

**Dasu Hydropower Project
Monthly Progress Report No. 96 (July 2022)**

Appendix E [22/22]

Sr. No	Date	Letter No.	Subject	Remarks
202.	23.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-215	Ventilation Design Temperature and Humidity in Underground Cavern	
203.	23.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-216	Casting Crown and Band-UT&PT&MT testing procedure for approval	
204.	23.07.22	DHC/Dasu/GEPC/EM-01/ sn/22-217	Lighting Fixture of Pit Lighting and outline drawing on Upper Pit Liner submission for approval	
205.	26.07.22	DHC/Dasu/GEPC/EM-01/zic/ 22-223	List of Heavy Equipment and its size (L x W x H) and weight in ton being imported via Karachi Port	
206.	27.07.22	DHC/Dasu/GEPC/EM-01/cad/ 22-224	Duties and Import Tax Exemption Application-Request for Advice Way Forward.EM-01	
207.	27.07.22	DHC/Dasu/GEPC/EM-01/sn/ 22-225	Reply for Dasu Turbine Foundation Load Calculation Submission for Approval.EM-01	
208.	28.07.22	DHC/Dasu/GEPC/EM-01/ys/ 22-226	Comments on Revised Boundary Wall Design for the Contractors Camp.EM-01	
209.	28.07.22	DHC/Dasu/GEPC/EM-01/cad/ 22-227	Notice to Provisional Sum-Reimbursement of Cost for Security Facilities in EM-01 Camp	
210.	28.07.22	DHC/Dasu/GEPC/EM-01/cad/ 22-228	Templates of Permission to Deliver and Packing List.EM-01	
211.	29.07.22	DHC/Dasu/GEPC/EM-01/sn/ 22-230	Submission the Detail Design Drawing of Generator Voltage Switchgear (GCB).EM-01	
212.	30.07.22	DHC/Dasu/GEPC/EM-01/cad/ 22-231	Change Proposal for Upgraded Model of AVR Excitation System.EM-01	
2.13 LADP RB-14				
Dasu Office				
213.	16.07.22	DHC/Dasu/Ikan/RB-14/ mfn/ 22-018	Prolongation Cost of EOT - 2	
2.14 Dasu LADP-MI-1				
Dasu Office				
214.	06.07.22	DHC/Dasu/KGL/MI-1/mfn/22-055	LADP-RHC-Monthly Progress Report	
215.	06.07.22	DHC/Dasu/KGL/MI-1/njm/22-056	LADP-RHC-Taking Over of Existing Blocks and Completion Certificate	
216.	26.07.22	DHC/Dasu/KGL/MI-1/njm/22-057	Formwork for Concrete	
2.15 Dasu LADP-MI-2				
Dasu Office				
217.	05.07.22	DHC/Dasu/KGL/MI-2/mfn/22-021	LADP MI-2-Monthly Progress Report	
218.	06.07.22	DHC/Dasu/KGL/MI-2/ahs/22-022	LADP-JMK-Absence of ESHS Officer from the Site	
219.	06.07.22	DHC/Dasu/KGL/MI-2/njm/22-023	LADP-JMK-Crush in Flooring	
220.	07.07.22	DHC/Dasu/KGL/MI-2/njm/22-024	LADP-JMK-Provision of Drain Along Retaining Wall	
221.	07.07.22	DHC/Dasu/KGL/MI-2/njm/22-025	LADP-JMK-Revision of Construction Drawings	
222.	28.07.22	DHC/Dasu/KGL/MI-2/mfn/22-027	LADP-JMK-Monthly Progress Report	
2.16 Dasu LADP SA-01				
Dasu Office				
223.	04.07.22	DHC/Dasu/KGL/SA-01/ zia/22-043	LADP-SA-01-Approval of Contract Program	
224.	04.07.22	DHC/Dasu/KGL/SA-01/zia /22-044	LADP-SA-01-Provisional Approval of ESHS officer	
225.	05.07.22	DHC/Dasu/KGL/SA-01/ahs/22-045	LADP-SA-01-Non-Adherence to Safety Measures	
226.	05.07.22	DHC/Dasu/KGL/SA-01/mfn /22-046	LADP-SSKD-Non-Cooperation by Contractors Project Manager	
227.	07.07.22	DHC/Dasu/KGL/SA-01/mfn /22-047	LADP-SSKD-Recommendations on Work Methodology for Concrete with Mixer Machine	
228.	26.07.22	DHC/Dasu/KGL/SA-01/nk /22-050	Monthly and Weekly Progress Report SSKD	
229.	23.07.22	DHC/Dasu/KGL/SA-01/zia/ 22-051	Non Performance of Contractor, Sanitation and Sewerage System for Komi la and Dasu (SA-01)	
230.	29.07.22	DHC/Dasu/KGL/SA-01/zia/ 22-052	LADP-SSKD-Layout Plan of Concrete Slab Cover Sanitation and Sewerage Systems for Komila and Dasu (SA-01)	
231.	29.07.22	DHC/Dasu/KGL/SA-01/zia/ 22-053	LADP-SSKD-Discrepancy in Topographic Survey and Revised Construction Drawings	
2.17 Dasu LADP PKG-01				
Dasu Office				
232.	04.07.22	DHC/Dasu/IKAN/PKG-01/22-015	LADP-PKG-01-Submission of Detail Design of Roads	
233.	25.07.22	DHC/Dasu/IKAN/PKG-01/22-016	No. of Samples and Monitoring Frequency for Air Quality and Noise	
234.	29.07.22	DHC/Dasu/IKAN/PKG-01/mfn/22-017	LADP-PACKAGE-1 -Contractors All Risk (CAR) Contractor Plant & Machinery (CPM) and Workmen's Compensation (WC) Insurance Policies	

APPENDIX F

Detail of Interim Payment Certificates

Appendix F: Details of Interim Payment Certificates

Details of Interim Payment Certificates

Updated till May 25, 2022

Details of Interim Payment Certificates of MW-01 – Contractor CGGC							
Sr. No.	Application Received	Duration	IPC number	IPC's Issued Date	Amount Certified		Due Date
					Local Currency	Foreign Currency	
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	23-June-2017 to 22-April-2018	2	11-Jul-18	129,457,263	1,384,020.74	17-Aug-18
3	03-Jan-19	22-April-2018 to 22-Nov-2018	3	09-Jan-19	88,936,900	997,133.73	28-Feb-19
4	09-Jun-19	22-Nov-2018 to 22-April-2019	4	04-Jul-19	76,716,800	732,093.22	04-Aug-19
5	25-Jul-19	22-April-2019 to 22-June-2019	5	18-Aug-19	145,629,996	1,363,149.96	19-Sep-19
6	26-Sep-19	22-June-2019 to 22-Aug-2019	6	23-Oct-19	248,905,635	2,214,513.54	21-Nov-19
7	10-Dec-19	22-Aug-2019 to 31-Oct-2019	7	06-Jan-20	629,914,484	5,895,127.76	04-Feb-20
8	10-Feb-20	31-Oct-2019 to Dec-2019	8	27-Feb-20	206,824,646	1,757,372.29	06-Apr-20
9	06-Apr-20	Dec-2019 to Feb-2020	9	04-May-20	365,752,539	3,245,285.91	01-Jun-20
10	13-Jun-20	Feb-2020 to April-2020	10	11-Jul-20	382,303,496	2,880,146.95	08-Aug-20
11	05-Aug-20	April-2020 to June-2020	11	02-Sep-20	252,654,881	2,252,835.97	30-Sep-20
12	16-Sep-20	June-2020 to Aug-2020	12	09-Oct-20	458,055,284	3,898,125.46	11-Nov-20
13	12-Nov-20	Aug-2020 to Oct-2020	13	10-Dec-20	521,447,309	4,746,372.92	07-Jan-21
14	16-Dec-20	Oct-2020 to Nov-2020	14	12-Jan-21	109,355,876	1,157,321.96	10-Feb-21
15	18-Jan-21	Nov-2020 to Dec-2020	15	12-Feb-21	158,129,043	1,570,752.84	15-Mar-21
16	23-Feb-21	Dec-2020 to Jan-2021	16	19-Mar-21	336,954,470	2,658,901.26	20-Apr-21
17	16-Apr-21	Jan-2021 to March-2021	17	04-May-21	407,082,473	8,331,836.66	11-Jun-21
18	20-May-21	March-2021 to April-2021	18	14-Jun-21	762,466,613	6,311,057.52	15-Jul-21
19	21-Jun-21	April-2021 to May-2021	19	14-Jul-21	425,023,542	4,493,780.63	16-Aug-21
20	26-Jul-21	May-2021 to June-2021	20	19-Aug-21	226,133,481	2,044,283.79	20-Sep-21
21	25-Aug-21	June-2021 to July-2021	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

Total Amount in LC & FC (1USD = 104.3 PKR) (LC 50:FC 50) 14,450,077,928 142,415,206.94
Total Amount Certified including LC & FC (Rs.) 29,303,984,011.84
Accepted Contract Amount 115,003,461,240
Disbursement Progress with respect to ACA 25.48%

Details of Interim Payment Certificates of MW-02 – Contractor CGGC							
Sr. No.	Application Received	Duration	IPC number	IPC's Issued Date	Amount Certified		Due Date
					Local Currency	Foreign Currency	
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
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
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

Total Amount in LC & FC (1USD = 104.3 PKR) 5,533,977,730 47,718,010.44
Total Amount Certified including LC & FC (Rs.) 10,510,966,218.89
Accepted Contract Amount 64,426,426,087
Disbursement Progress with respect to ACA 16.31%

Details of Interim Payment Certificates of EM-01 – Contractor GE-PC JV							
Sr. No.	Application Received	Duration	IPC number	IPC's Issued Date	Amount Certified		Due Date
					Local Currency	Foreign Currency	
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
2	17-Feb-22		(Adv. Pay)	25-Mar-22	480,570,192		

Total Amount in LC & FC 480,570,192 25,320,000
Accepted Contract Amount 25,471,001,920
Disbursement Progress with respect to ACA 2% 10%

**Dasu Hydropower Project
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Appendix F [2/4]

Details of Interim Payment Certificates of PCI-01R – Contractor CGCIOP							
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date	
				Local Currency	Foreign Currency		
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	

Total Amount in LC & FC (1USD = 105.55 PKR) (LC 70: FC 30) 1,863,567,223 6,245,259
 Total Amount Certified including LC & FC (Rs.) 2,522,754,318
Accepted Contract Amount 4,900,000,009
Disbursement Progress with respect to ACA 51.48%

Details of Interim Payment Certificates of KKH-01 – Contractor CCECC							
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date	
				Local Currency	Foreign Currency		
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		

Total Amount in LC & FC (1USD=100.73PKR) (LC74.86:FC25.14) 5,370,663,247 24,667,260
 Total Amount Certified including LC & FC (Rs.) 7,855,396,334
Accepted Contract Amount 14,538,852,307
Disbursement Progress with respect to ACA 54.03%

Details of Interim Payment Certificates of KKH-02 – Contractor CGGC							
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date	
				Local Currency	Foreign Currency		
1	20-May-17	1 (Adv. Pay)	22-May-17	2,146,910,052	10,590,008	12-Jun-17	

Total Amount in LC & FC (1USD = 104.445 PKR) (LC 60:FC 40) 2,146,910,052 10,590,008
 Total Amount Certified including LC & FC (Rs.) 3,252,983,437.56
Accepted Contract Amount 16,264,917,100
Disbursement Progress with respect to ACA 20.00%

Details of Interim Payment Certificates of RAR-01 – Contractor CCECC							
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date	
				Local Currency	Foreign Currency		
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	
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	

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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

**Total Amount in LC & FC (1USD=100.73PKR)
(LC70:FC30) 1,283,503,712 5,398,308**
Total Amount Certified including LC & FC (Rs.) 1,827,275,307
Accepted Contract Amount 2,713,972,595
Disbursement Progress with respect to ACA 67.33%

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
Disbursement 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
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

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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

Total Amount in LC & FC 1,419,082,706 1,307,509
Accepted Contract Amount Rs 1,583,325,237 \$ 2,017,927
Disbursement Progress with respect to ACA 90% 65%
Total Contract Amount (Rs.) 1,785,117,937

Details of Interim Payment Certificates of RV – Contractor KGL						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
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

Total Amount in LC 265,085,736 =
Total Amount Certified (Rs.) 265,085,736.00
Accepted Contract Amount 654,815,181
Disbursement Progress with respect to ACA 40.48%

Details of Interim Payment Certificates of LBRV-11 – Contractor M/s Zongmei						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
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

Total Amount in LC & FC (1USD = 104.8462 PKR) (LC 30:FC 70) 292,371,027 2,927,175
Total Amount Certified including LC & FC (Rs.) 599,274,189.90
Accepted Contract Amount 1,120,509,415
Disbursement Progress with respect to ACA 53.48%

Details of Interim Payment Certificates of LBRV-12 – Contractor M/s Zongmei						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
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	6,150,253.00	25-Jul-22

Total Amount in LC & FC (1USD = 104.8462 PKR) (LC 30:FC 70) 182,224,542 8,454,601
Total Amount Certified including LC & FC (Rs.) 1,068,657,358.72
Accepted Contract Amount 1,016,820,466
Disbursement Progress with respect to ACA 105.10%

Details of Interim Payment Certificates of RBRV-11 – Contractor M/s CR17B						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
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
Disbursement 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 without establishing cause-effect link.
		On 14/10/18, Contractor submitted his claim for running cost of Dasu office - [Mar 17 to Aug 18]	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 caused land sliding and blockage of KKH					<i>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)</i> 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					<i>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)</i> 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					<i>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)</i> 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		-		<i>The principle of the Contractor's claim is disapproved. DHC letter - dated 9-Aug-2017.(Ref:028)</i> Claim Disapproved
6	KKH-01/C-9 Uchar Slope Collapse	On 05/06/2016 the Contractor notified claim for extension of time and additional cost due to Huge Slope Collapse at Uchar.					<i>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)</i> Contractor's substantiation awaited
7	KKH-01/C-10 Stone Slide EOT	On 14/07/2016 the Contractor notified claim for extension of time and additional cost due to Huge Stone Slide at Barseen					<i>The Engineer acknowledged and asked the contractor to submit full and detailed particulars via DHC letter dated 04/08/2016 (Ref:16-100)</i> Contractor's substantiation awaited
8	KKH-01/C-11 Dumping at Barseen EOT	On 02/09/2016 the Contractor notified claim for extension of time and additional cost due to difficulty in Dumping at Barseen Spoil Bank					<i>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-</i>

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							109) Contractor's substantiation awaited
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. <i>DHC letter - dated 19-09-2016 (Ref:113).</i> 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. <i>DHC letter - dated 10-01-2017 (Ref:010).</i> 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 <i>DHC letter - dated 10-01-2018 (Ref:007).</i> 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 <i>DHC letter - dated 29-01-2018(Ref:031).</i> 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. <i>DHC letter - dated 09-Aug-2018 (Ref:138).</i> 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. <i>DHC letter - dated 6-Sep-2018.</i> 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					<i>DHC letter - dated 20-May-2019 (Ref:152)</i> 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]					<i>DHC letter - dated 12-Oct-2019 (Ref:349)</i> 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.					<i>DHC letter - dated 14-Dec-2019 (Ref:414)</i> 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					<i>DHC letter - dated 8-April-2019 (Ref:077) and 24-July-2020 (Ref:167)</i> 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.					<i>DHC letter - dated 29-June-2020 (Ref:145)</i> Contractor's substantiation awaited
20	KKH-01/C-23 Demobilization of Labour belongs to Gilgit	On 28/03/21, the Contractor notified calim due to Demobilization of Labour belongs to Gilgit					<i>DHC letter - dated 1-Apr-2021 (Ref:063)</i> 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.					<i>DHC letter - dated 24-Aug-2021 (Ref:147)</i> 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					<i>DHC letter - dated 13-Aug-2021 (Ref:144)</i> 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%.					<i>DHC letter - dated 27-December-2021 (Ref:193)</i> Contractor's substantiation awaited
Total Additional Cost			978,242,305	829,422	200,104,762	740,917	
Details of Claims/Notifications of RAR-01 – Contractor CCECC							
1	RAR-01/C1-C4 Unfication of C-1 and C-4		104,304,865		-		The Engineer's replied dated 20/07/2017. Principle of claim was approved. Contractor's substantiation for Additional cost awaited.

	Disruption and Delay in Site Possession						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
		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 Performance 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. <i>DHC letter - dated 1-Jun-2019 (Ref:161)</i> . 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, Constructor's Cost claim regarding extension of Insurances and Guarantees	26,305,766	60,212.00	22,238,918.00	56,039.24	<i>the Engineer issued his assessment/determination on 12-04-2022</i>
2	RAR-01/C-05 Force Majeure-Heavy Rainfall and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to heavy rainfall and land sliding (Force Majeure)					<i>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)</i> 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". <i>DHC letter - dated: 24-05-2016</i> 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					<i>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)</i> 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 compaction by local resident					<i>The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 03-08-2017 (Ref:17-017)</i> 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. <i>DHC letter - dated: 08-03-2019 (Ref:042)</i> 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. <i>DHC letter - dated: 4-9-2019 (Ref:168)</i> Contractor's substantiation awaited

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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
Total Additional Cost			170,869,838	131,100	41,089,983	116,620	
Details of Claims/Notifications of TL-01 – Contractor PCCC							
1	TL-01/C-1 Idle 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 recieved 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.
		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	65,054,640				Contractor agreed that this claim to be considered alongwith other Management claim.
	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

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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 assessment submitted on 10-Jul-2018. The Employer agreed with PM Assessment. Contractor replied on 12-11-19 that he did not agree 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 Assessment. Contractor replied on 12-11-19 that he did not agree 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		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					<i>DHC letter - dated 18-January-2019. (Ref:010)</i> Contractor's substantiation awaited.
9	Perceived Disruption to Excavation Work	On 28/02/19, Contractor notified Claim for Delayed land acquisition and ROW issues					<i>DHC letter - dated 3-March-2019 (Ref:043).</i> 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.					Formula to be agreed, waiting for Employer's response.
11	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-TI-01-001). Change proposal was initiated by Employer in 2015 and suspended by the Employer in 2017.	695,700	4,094	Nil	4,094	Agreed and paid GM/PD/DHPP/Contracts/TL-01/43/6869-73 dated 2-12-2021
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 Corina Virus (2019-nCoV)	On 02/04/20 Contractor notified Force Majeure under GC Sub-Clause 37.1 due to outbreak of COVID19.					<i>DHC letter - dated 15-April-2020</i> Awaiting for Contractor's detailed submission
16	TL-01/C-09 Right of Way	On 10/04/20, Contractor notified Notice for Extension in Time due to RoW issue					<i>DHC letter - dated 18-April-2020</i> Awaiting for Contractor's detailed submission
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					<i>PM replied via DHC/Dasu/PCCC/TL-01/CAD/22-015 dated 24th January 2022</i> Awaiting for Contractor's detailed submission
18	TL-01/C-11 Transportation and loading/unloading of Power Transformer	On 6th May 2021, the Contractor submitted a notice of calim regarding additional cost for the power transformer transportation and other associated costs					<i>DHC letter - dated 1st June-2021</i> The Engineer registered the subject claim
Total Additional Cost			556,096,253	3,903,080	249,152,098	4,094	
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 cause-effect link.
2	MW-01/C-02 Adjustment to Contracts Price due to change in legislation	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in					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.

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		the Income Ordinance (2001). Contractor submitted Claim notification dated 22/12/2017.					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 principal of claim sent on 12-01-2021
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.
9	MW-01/C-09 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.	56,780,851	404,333			Principle of claim issued -DHC/Dasu/CGGC/MW-01/cad/21-491 dated 17th Nov 2021
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]					<i>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</i> 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 principle of claim sent on 12-01-2021
12	MW-01/C-12 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 9/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract. Principle of Claim denied.
13	Claim for Crusing Plant and Batching Plant	Contractor submitted detail claim on 4-09-2019					<i>The payment made in IPCs on pro-rata basis.</i>
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). . Under Review by the Engineer
15	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					Engineer's principle of claim sent on 26-03-2021 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					Engineer Replied on 12-08-2021 (Ref:358). Contractor's substantiation awaited.
Total Additional Cost			377,563,910	404,333	-	-	
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.

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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.
3	MW-02/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	2,105,168				Engineer's principle of claim sent on 14-01-2021
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.
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
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 29th 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 principle of claim sent on 12-01-2021
11	MW-02/C-10 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 12/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract. Principle of Claim denied.
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. Contractor's cost substantiation is awaited.
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
14	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					Engineer's principle of claim sent on 26-03-2021 Principle of Claim denied.
15	MW-01/C-12 Claim regarding 14-July Blast incident	On 24/07/21, Contractor notified claim due 14-July Blast incident					Engineer Replied on 12-08-2021 (Ref:144) . Contractor's substantiation awaited.
Total Additional Cost			208,053,984	193,215			
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 stoppage'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		<i>The Engineer submitted his initial assessment on 16/09/20. Employer commented on 5/10/20. Engineer replied on 14/10/20. Contractor disagree with Engineer's assessment. Engineer advised to have meeting on subject issue. The Engineer has evaluated the claim and submitted to the Employer on 5th May 2021.</i>
4	LBRV-11/C-07 Suspension of Works and	On 11/09/19, Contractor submitted Notice of Claim - Unforeseeable Man-Made Physical					The responsibility for the safety-related issues rests with the Contractor. Hence, Sub-Clause 4.12 [Unforeseeable Physical

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	unforeseeable physical conditions	Obstructions and Suspension of Works at RD 0+730 on Khoshe Site-1 Permanent Access Road					Conditions] seems irrelevant under the prevailing Site conditions. <i>DHC letter 21-Sep-2019 (153).</i> <i>Contractor's letter: 21-Oct-2019</i> <i>DHC's letter: 29-Oct-2019</i>
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 <i>dated 8-April-2020 (Ref:044)</i>
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		Engineer acknowledge the receipt of notice on 24-Feb-2021 (Ref: 029) The principle of claim has been forwarded to the Contractor on 5th April 2021. On 23 rd October 2021, the Engineer's Assessment has been forwarded to the Contractor as well as to the Employer for their comment/agreement. The Contractor has shared his consent on the Engineer's assessment on 04th Nov 2021 which is forwarded to the Employer.
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 claim	16,309,614		5,311,025		The Engineer issued his assessment on 13th December 2021. The Contractor 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 Extension of Time (EOT) from 26th Dec 2019 - 4th Dec 2020	319,093,549		4,083,592		Employer accorded approval to pay in IPC 19-05-2022
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 omission 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.
Total Additional Cost			362,049,566	-	15,625,524	-	
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 Zero Point					Engineer replied on <i>11-Feb-2019 (Ref:016)</i> . No further particulars submitted by the Contractor to date
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					Engineer replied <i>dated 2-April-19 (Ref:027)</i> Contractor's submission <i>dated 2-May-19 (Ref:028)</i> Engineer replied <i>dated 6-May-19 (Ref:033)</i>
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 <i>dated 10-Jun-2019 (Ref:043 & 044)</i> <i>This claim has merged in "LBRV-12/C-06</i>
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].	Nil	Nil	Nil	Nil	Engineer replied <i>dated 8-April-2020 (Ref:044)</i>
6	LBRV-12/C-05 dle 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 27-04-2022
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 Extension of Time (EOT) from 26th Dec 2019 - 7th Nov 2020	265,758,451.00		6,951,054.00		The principle of claim has been forwarded to the Contractor on 10th June 2021. The Engineer on 24th January 2022 submitted the revised Engineer's assessment to the Employer and to the Contractor.

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							The Contractor conveyed his consent on the Engineer's assessment on 29th January 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 delay 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 loss due to the omission 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.
Total Additional Cost			267,615,620	-	7,684,810	-	
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 submitted 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 substantiate his claim
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 5th November 2019 and continued till 7th 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 Coronavirus 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 submitted 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 receipt 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

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		3,211,573		Project Manager shared his assessment to the Employer and to the Contractor on 24-05-2022
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 Extension 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 Contractor has withdraw his claim and re-submitted it on 29th March 2022.
6	RV/C-06 Hindrance at Site and Non Issuance of 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 requested 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.
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				The Project Manager's principle of claim submitted on 02-02-2022 Further Substiation is awaited from the Contractor
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 pursuant 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 pursuant to GC Sub-Clause 45.1 Claim denied.
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 Contractor's Submissions are awaited.
3	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.

APPENDIX H

Variation Status

Appendix H: Variations Status

Status of Variation Orders for RAR-01

Sr. No.	VO Description and Number	Contractor proposal/Engineer's Estimate	Value of Omitted/Reduced 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 Variation 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 Variation 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 Variation 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 Variation 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.
Total				(131,481,029)	

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	Superseded 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	6,911,084	-	6,911,084	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	Variation 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-alignment - 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	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 Variation Order is ready, however, Contractor has not signed yet. Work has been completed. Provisional Interim payment was made.
Total				22,542,254,653	

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 submitted 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-04 : 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-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
Total				13,854,721,401	

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	VO/001: Varied Works for Main Access Portal/Tunnel	45,676,850 (p)	-	45,676,850 (p)	The Contractor submitted his proposal on 30-Jul-2019. Extensive discussion are going on to get the agreement of parties on rates to avoid potential dispute. Provisional rates are applied for payment in IPC.

Status of Issued Variations for PCI-01R

Sr. No.	VO Description and Number	Contractor's Proposal/ Engineer's Estimate (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Providing and Applying Emulsified Bitumen 2kg/m ²	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

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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 Installation 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)	Signed and issued on 19 July 2022
12	VO-012:Supply and Installation of Expansion Joint Filler and Backing Rod in Project Office, Community Centre, Hostel Cat-3 and Hospital Buildings	6,066,900		6,066,900	Signed 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 2023
Total				(45,316,282.22)	

Status of Issued Variations for EM-01

Sr. No.	CO Description 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 Description 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	VO-002- Slope Protection at Uchar Site-1	36,269,633	-	36,269,633	Signed VO issued on 28-05-2022
3	VO-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 issued after Employer's approval
Total				(350,591,880)	

Status of Issued Variations for LBRV-12

Sr. No.	CO Description 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.
3	VO-003: Omission of Sites Barseen, Kaigah-01 and Kaigah-02 under LBRV-12	(715,099,577)		(715,099,577)	VO will be issued after Employer's approval
Total				(620,731,627)	

Status of Issued Variations for RV

Sr. No.	CO Description 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 Shtial 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				23,841,277.85	

APPENDIX I

Contract Information

Appendix I: Contract Information

CONTRACTS AWARDED																	
Sr. #	Contract ICB No.	Opening of bid	Letter of Acceptance	Signing of Contract	Date of Commencement	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	1st EOT	2nd EOT	3rd EOT	Revised Completion Date	Remarks
Main Works Contracts																	
1	DASU-MW-01	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	29,303,984,012	25.48%					Work InProgress
2	DASU-MW-02	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	10,510,966,219	16.31%					Work InProgress
3	DASU-EM-01	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	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	7,855,396,334	54.03%	519	507		13-Dec-19	Work InProgress. EOT Subject to Variation-005 time
2	DASU-RAR-01	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	1,827,275,307	67.33%	498	408	518	16-Jul-20	Work InProgress. EOT under process.
3	DASU-TL-01	25-Sep-14	03-Mar-15	24-Apr-15	02-Nov-15	230	18-Jun-16	PKR 1,583,325,237	15,833,252	17,851,179	1,419,082,706	89.63%	488	427	514	17-May-20	Work InProgress. EOT under process.
4	DASU-PCI-01	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	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	2,522,754,318	51.48%	895			29-Oct-23	Work InProgress EOT under process.
6	DASU-RV	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)	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	265,085,736	40.48%				16-May-22	Work InProgress. EOT granted
8	DASU-KKH-02	27-Oct-15	27-Feb-17	25-Apr-17	To be Decided	728	Depend on Commencement	PKR 16,264,917,100	155,727,101	155,727,101	3,252,983,438	20.00%					Notice of Commencement not issued yet
9	DASU-RAR-02	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	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	599,274,190	53.48%	345			04-Dec-20	Work InProgress. 2nd EOT under process.
11	DASU-LBRV-12	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	1,068,657,359	105.10%	318			07-Nov-20	Work InProgress. 2nd EOT under process.
12	DASU-RBRV-11	18-Aug-16	27-Feb-17	25-Apr-17	To be Decided	364	Depend on Commencement	PKR 370,939,497	3,522,692	3,522,692	74,187,844	20.00%					Notice of Commencement not issued yet

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 Cargo (Import/Inland)
1	DASU-MW-01	PKR 5,556,438,372.00 USD 56,988,569.00	14-Jan-2023	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	13-Jan-2023	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-2022	PKR 1,453,885,230.70	31-Dec-2022	30-Apr-2022			31-Jul-2022	N/A
4	DASU-RAR-01	PKR 379,956,164.00 USD 1,616,583.00	31-Dec-2022	PKR 271,397,259.50	31-12-2022	31-Dec-2022			31-Aug-2022	N/A
5	DASU-TL-01	PKR 166,340,724.00 USD 338,582.75	11-Nov-2022	PKR 178,862,944.00	20-Jan-2023	8-Oct-2022			8-Oct-2022	8-Oct-2022
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					
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	15-Jul-2022	
8	DASU-LBRV-11	PKR 83,204,565.00 USD 1,343,848.00	23-Aug-2022	USD 671,924.00 PKR 41,602,282.00	3-Dec-2022	25-Jun-2022	25-Dec-2022	25-Jun-2022	10-Jun-2022	N/A
9	DASU-LBRV-12	PKR 75,233,228.00 USD 1,222,084.00	23-Aug-2022	USD 611,042.00 PKR 37,616,614.00	6-Nov-2022	25-Aug-2022	25-Dec-2022	25-Aug-2022	10-Aug-2022	N/A
10	DASU-RBRV-11	PKR 54,937,530.00 USD 182,814.00	24-Aug-2022	PKR 27,468,765.00 USD 91,407.00	24-Aug-2022					
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	20-May-2021	19-May-2022	20-May-2021	19-May-2022	N/A
12	Dasu-RV	PKR 107,474,520	30-Sep-2022	PKR 65,481,520	14-Nov-2022	14-Dec-2022	14-Dec-2022	14-Dec-2022	14-Dec-2022	N/A

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

June 2022

	26 Sunday	27 Monday	28 Tuesday	29 Wednesday	30 Thursday
Diversion Tunnel A INLET	Roof Slab Fixing of scaffolding pipe at Left and Right side 8:30Hrs~16:00Hrs Middle pier K0+002.3~0-035 El.783.9~786.4 8th Lift Removing formwork 8:30Hrs~19:00Hrs Part No.2 & 3 Shifting of formwork to crown portion and fixing of formwork 8:30Hrs~19:00Hrs Shifting of formwork to crown portion 20:00Hrs~5:30Hrs	Roof Slab No work 7:30Hrs~7:30Hrs Middle pier K0+002.3~0-035 El.783.9~786.4 8th Lift Chipping and curing 7:30Hrs~19:00Hrs Left wall and right wall Chipping 7:30Hrs~19:00Hr Part No.2 & 3 Fixing of formwork 8:30Hrs~19:00Hrs No work 20:00Hrs~5:30Hrs	Roof Slab Shifting formwork to crown portion 7:30Hrs~19:00Hrs Middle pier K0+002.3~0-035 El.783.9~786.4 8th Lift Removing formwork 7:30Hrs~19:00Hrs Left wall and right wall Chipping work 7:30Hrs~17:30Hrs Part No.2 & 3 Fixing of formwork 8:30Hrs~17:30Hrs No work 20:00Hrs~5:30Hrs	Roof Slab Adjusting formwork at right side 7:30Hrs~17:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~19:00Hrs Left wall and right wall Chipping work 7:30Hrs~17:30Hrs Part No.2 & 3 Fixing of formwork for crown portion and making access for crown portion 7:30Hrs~17:30Hrs No work 20:00Hrs~5:30Hrs	Roof Slab Adjusting formwork at right side 7:30Hrs~17:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~19:00Hrs Left wall and right wall Chipping work 7:30Hrs~17:30Hrs Part No. 3 Fixing of formwork for crown portion and shifting it for crown portion 7:30Hrs~17:30Hrs Part No. 4 Fixing of scaffolding pipe 7:30Hrs~17:30Hrs No work 20:00Hrs~5:30Hrs
Diversion Tunnel A UNDER GROUND	Right Side K0+250~0+290 Washing and cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+360~0+400 Washing and cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+210~0+250 Washing and cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Left Side K0+130~0+150 Excavation and mucking 20:00Hrs~5:30Hrs Right Side K0+340~ Excavation with jack hammer 20:00Hrs~5:30Hrs Left Side K0+750~0+790 Washing and cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Invert cleaning for lean (Leveling concrete) 20:00Hrs~5:30Hrs Left Side K0+820~0+860 Washing and cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Excavation and invert cleaning for lean (Leveling concrete) 20:00Hrs~5:30Hrs Right Side K1+125~1+137 (Volume=12m*10m*1m) Cleaning of invert 7:30Hrs~10:00Hrs Pouring of 1m invert concrete 11:25Hrs~17:50Hrs Quantity poured (A-25/50mm) = 129m3 Finishing 19:30Hrs~2:00Hrs Right Side K1+089~1+101 (Volume=12m*10m*1m) Fixing formwork and cleaning surface for the invert 1m concrete 7:30Hrs~15:00 Hrs	Right Side K0+360~0+400 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+210~0+290 Excavation, mucking and cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Left Side K0+130~0+150 Excavation and mucking 20:00Hrs~5:30Hrs Right Side K0+340~ Excavation with jack hammer 20:00Hrs~5:30Hrs INVERT D/S Left Side K0+750~0+790 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Excavation and Invert cleaning for lean (Leveling concrete) 20:00Hrs~3:00Hrs Left Side K0+820~0+860 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs No work 20:00Hrs~7:30Hrs Left Side K0+790~0+820 Excavation with excavator 7:30Hrs~19:00Hrs Right Side K1+113~1+101 (Volume=12m*10m*1m) Cleaning of invert 7:30Hrs~11:00Hrs Pouring of 1m invert concrete 11:30Hrs~19:00Hrs Quantity poured (A-25/50mm) = 130m3 Right Side K0+981~0+969 (Volume=12m*10m*1m) Fixing formwork for the invert 1m concrete 9:00Hrs~19:00Hrs	Right Side K0+360~0+400 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+210~0+290 Excavation and cleaning of invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Excavation and mucking 20:00Hrs~5:30Hrs Right Side K0+120~0+320 Excavation and mucking 7:30Hrs~19:00Hrs Right Side K0+200~0+250 Excavation with jack hammer 20:00Hrs~5:30Hrs INVERT D/S Left Side K0+750~0+820 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs No work 20:00Hrs~3:00Hrs Left Side K0+820~0+860 Excavation, mucking and cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:00Hrs Pouring of lean (leveling) concrete 17:00Hrs~5:30Hrs Total quantity poured (C-20) = 215m3 Right Side K0+947~0+959 Fixing of formwork 7:30Hrs~17:30Hrs Right Side K1+141~1+153 (Volume=12m*10m*1m) Pouring of 1m invert concrete 11:00Hrs~17:30Hrs Quantity poured (A-25/50mm) = 138m3 Finishing 19:00Hrs~22:00Hrs Right Side K0+993~1+005 (Volume=12m*10m*1m) Cleaning surface for the invert 1m concrete 19:30Hrs~5:30Hrs Right Side K1+415~ Excavation and mucking 00:30Hrs~5:30Hrs	Right Side K0+360~0+400 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+320~0+360 Excavation and cleaning of invert surface for lean (leveling) concrete 20:00Hrs~5:30Hrs Right Side K0+320~0+360 Excavation and cleaning of invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+290~0+340 Cleaning invert surface for lean (leveling) concrete 20:00Hrs~5:30Hrs Right Side K0+430~ Conducting bond test 9:00Hrs~12:00Hrs INVERT D/S Left Side K0+790~0+820 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+760~0+780 Excavation and mucking 20:00Hrs~21:30Hrs Left Side K0+750~0+790 Pouring of lean (leveling) concrete 8:10Hrs~12:30Hrs Total quantity poured (C-20) = 112m3 Right Side K0+933~0+945 Fixing of formwork 7:30Hrs~16:00Hrs Right Side K0+945~0+957 Cleaning surface for the invert 1m concrete 7:30Hrs~14:30Hrs Right Side K1+029~1+041 Cleaning surface for the invert 1m concrete 7:30Hrs~17:30Hrs Right Side K1+053~1+062 Cleaning surface for the invert 1m concrete 7:30Hrs~17:30Hrs	Right Side K0+360~0+400 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Right Side K0+320~0+360 Excavation and cleaning of invert surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Right Side K0+290~0+340 Cleaning invert surface for lean (leveling) concrete 20:00Hrs~5:30Hrs INVERT D/S Left Side K0+790~0+820 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~19:00Hrs Right Side K0+933~0+945 Fixing of formwork 7:30Hrs~17:30Hrs Right Side K0+897~0+909 Fixing of formwork 7:30Hrs~13:30Hrs Right Side K0+969~0+981 Cleaning surface for the invert 1m concrete 7:30Hrs~12:00Hrs Right Side K0+945~0+957 Cleaning surface for the invert 1m concrete 7:30Hrs~15:00Hrs Right Side K1+029~1+041 Cleaning surface for the invert 1m concrete 7:30Hrs~10:00Hrs Right Side K1+053~1+062 Cleaning surface for the invert 1m concrete 7:30Hrs~17:30Hrs Right Side K1+053~1+065 (Volume=12m*10m*1m)

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	<p>Right Side K1+041~1+053 (Volume=12m*10m*1m) Cleaning surface for the invert 1m concrete 20:00Hrs~5:30Hrs Right Side K1+017~1+029 (Volume=12m*10m*1m) Pouring of 1m invert concrete 21:25Hrs~5:30Hrs Quantity poured (A-25/50mm) = 125m3</p>	<p>Right Side K1+053~1+065 (Volume=12m*10m*1m) Cleaning surface for the invert 1m concrete 20:00Hrs~5:30Hrs Right Side K1+005~1+017 (Volume=12m*10m*1m) Fixing formwork and cleaning surface for the invert 1m concrete 7:30Hrs~19:00Hrs</p>	<p>Note: A layer of shotcrete of 8m3 has applied at 23:00Hrs as a backfill at CH: 1+445 without informing DHC Site staff. DHC Site team when reached to site, contractor has already finished.</p>	<p>Right Side K1+077~1+089 (Volume=12m*10m*1m) Cleaning surface for the invert 1m concrete 8:00Hrs~9:30Hrs Pouring of 1m invert concrete 9:15Hrs~16:00Hrs Quantity poured (A-25/50mm) = 149.5m3 Finishing 19:30Hrs~5:30Hrs Right Side K0+993~1+005 (Volume=12m*10m*1m) Cleaning surface for the invert 1m concrete 7:30Hrs~12:30Hrs Pouring of 1m invert concrete 16:15Hrs~00:20Hrs Quantity poured (A-25/50mm) = 147.6m3 Finishing 00:20Hrs~5:30Hrs Right side K1+415~1+435 Excavation and mucking 8:30Hrs~17:30Hrs K1+420~1+440 Excavation and mucking 20:00Hrs~23:30Hrs No work 23:30Hrs~3:30Hrs Excavation and mucking 3:30Hrs~6:00Hrs</p>	<p>Cleaning surface for the invert 1m concrete 7:30Hrs~10:00Hrs Arrangement for pouring of 1m invert concrete 9:30Hrs~22:20Hrs Pouring of 1m invert concrete 23:38Hrs~5:30Hrs Quantity poured (A-25/50mm) = 139m3 Right side K1+415~1+435 Excavation and mucking 8:30Hrs~17:30Hrs K1+420~1+440 Excavation and mucking 20:00Hrs~6:00Hrs</p>
Diversion Tunnel B INLET	<p>Roof Slab Fixing of formwork 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork 12:30Hrs~19:00Hrs Shifting of scaffolding to left side 20:30Hrs~5:30HrPart No. 2 & 3 Installation of reinforcement and fixing of formwork 7:30Hrs~19:00Hrs Shifting of materials from concrete surface to other place with the help of crane 20:30Hrs~5:30Hrs</p>	<p>Roof Slab Fixing of formwork for crown portion 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork for crown portion 12:30Hrs~19:00Hrs Shifting of scaffolding to left side 20:30Hrs~5:30Hrs Part No. 2 & 3 Installation of reinforcement and fixing of formwork 7:30Hrs~19:00Hrs Shifting of materials from concrete surface to other place with the help of crane 20:30Hrs~5:30Hrs</p>	<p>Roof Slab Fixing of formwork for crown portion 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork for crown portion 12:30Hrs~19:00Hrs Part No. 2 & 3 Installation of stirrups and fixing of formwork 7:30Hrs~19:00Hrs Shifting of formwork from top to ground surface and cleaning of formwork 20:30Hrs~5:30Hrs</p>	<p>Roof Slab Fixing of formwork and scaffolding for the crown portion 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork and scaffolding for the crown portion 12:30Hrs~19:00Hrs Part No. 2 Installation of reinforcement bars 7:30Hrs~17:30Hrs Shifting of scaffolding pipes 19:30Hrs~5:30Hrs Part No. 3 Arrangement for concrete 7:30Hrs~17:30Hrs Part No. 4 Shifting of concrete pipes 19:30Hrs~5:30Hrs</p>	<p>Roof Slab Fixing of formwork and scaffolding for the crown portion 7:30Hrs~17:30Hrs Right wall Fixing and adjustment of formwork 7:30Hrs~17:30Hrs Note: Lunch break 11:30Hrs~12:30Hrs Part No. 2 Supporting work for formwork 7:30Hrs~17:30Hrs Shifting of formwork from left side of the crown to right side 19:30Hrs~6:00Hrs Part No. 3 Arrangement for concrete 7:30Hrs~17:30Hrs Shifting of formwork from left side of the crown to right side 19:30Hrs~6:00Hrs</p>
Diversion Tunnel B UNDER GROUND	<p>K0+090~0+140 Invert excavation and mucking 7:00Hrs~16:00Hrs Shear zone area Part No.01 No work 7:00Hrs~7:00Hrs Part No 2 No work 7:00Hrs~7:00Hrs Part No 3 Right wall (6th Lift) Fixing of scaffolding pipe at left side for crown 7:30Hrs~19:00Hrs Fixing of scaffolding pipe at left side for crown 19:30Hrs~5:30Hrs Part No.4 No work 7:00Hrs~7:00Hrs Part No.5</p>	<p>K0+090~0+140 No work 7:00Hrs~7:00Hrs Shear zone area Part No.01 No work 7:00Hrs~7:00Hrs Part No 2 No work 7:00Hrs~7:00Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown 7:30Hrs~19:00Hrs Fixing of scaffolding pipe for the crown 19:30Hrs~5:30Hrs Part No.4 No work 7:00Hrs~7:00Hrs Part No.5 (5th Lift) Removing of formwork from left wall 7:30Hrs~18:00Hrs Left side K0+854~0+866 (Volume=12m*10m*1m)</p>	<p>K0+090~0+140 No work 7:00Hrs~7:00Hrs Shear zone area Part No.01 No work 7:00Hrs~7:00Hrs Part No 2 No work 7:00Hrs~7:00Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown 7:30Hrs~19:00Hrs Fixing of scaffolding pipe for the crown 19:30Hrs~5:30Hrs Part No.4 No work 7:30Hrs~18:00Hrs Invert Left side K0+854~0+866 (Volume=12m*10m*1m) Finishing 7:30Hrs~12:00Hrs Left side K0+866~0+878 (Volume=12m*10m*1m)</p>	<p>K0+110~0+150 Invert excavation and scaling 13:30Hrs~18:00Hrs Invert excavation 19:30Hrs~00:00Hrs Excavation with jack hammer 23:30Hrs~2:30Hrs No work 2:30Hrs~7:00Hrs Shear zone area Part No.01 No work 7:00Hrs~7:00Hrs Part No 2 No work 7:00Hrs~7:00Hrs Part No 3 Right side and left side No work 7:30Hrs~19:00Hrs Fixing of scaffolding pipe at left side for the crown 19:30Hrs~5:30Hrs</p>	<p>K0+150~0+180 Invert excavation and scaling 22:10Hrs~23:30Hrs K0+090~0+110 Invert cleaning 19:30Hrs~5:30Hrs Shear zone area Part No.01 No work 7:00Hrs~7:00Hrs Part No 2 No work 7:00Hrs~7:00Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown 7:30Hrs~17:30Hrs Part No.4 K0+327~0+339</p>

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	<p>No work 7:00Hrs-7:00Hrs Invert Left side K0+842-0+854 (Volume=12m*10m*1m) Pouring of 1m invert concrete 16:45Hrs-20:45Hrs Quantity poured (A-25/50mm) = 120m3 Right side K0+878-0+890 (Volume=12m*10m*1m) Fixing of formwork and cleaning of the invert 1m concrete 7:30Hrs-19:00Hrs Pouring of 1m invert concrete 21:05Hrs-23:45Hrs Quantity poured (A-25/50mm) = 128m3 Right side K0+374-0+386 (Volume=12m*10m*1m) Cleaning for 1m invert concrete 7:30Hrs-19:00Hrs Left side K0+362-0+374 Cleaning for 1m invert concrete 7:30Hrs-19:00Hrs</p>	<p>Fixing of formwork and cleaning of the invert 1m concrete 7:30Hrs-19:00Hrs Pouring of 1m invert concrete 22:10Hrs-1:45Hrs Quantity poured (A-25/50mm) = 120m3 Finishing 1:45Hrs-6:30Hrs Right side K0+374-0+386 (Volume=12m*10m*1m) Cleaning for 1m invert concrete 22:30Hrs-5:00Hrs Pouring of 1m invert concrete 5:00Hrs-7:00Hrs continue Left side K0+362-0+374 Cleaning for 1m invert concrete 7:30Hrs-12:00Hrs Pouring of 1m invert concrete 13:10Hrs-22:20Hrs Quantity poured (A-25/50mm) = 140m3 Finishing 22:20Hrs-6:00Hrs Right and Left wall K1+222-1+250 Drilling for rock bolts 8:00Hrs-19:00Hrs Drilling for rock bolts 19:30Hrs-22:45Hrs Grouting of rock bolts 2:30Hrs-5:00Hrs 27 pieces installed and 2 holes collapsed</p> <p>Right and Left wall K1+250- Charging 22:50Hrs-23:10Hrs (Explosive used = 65kg) Blast at 23:30 Excavation and mucking 23:45Hrs-00:40Hrs</p> <p>Right and Left wall K1+253- Drilling for blast 1:00Hrs-2:00Hrs Charging 4:00Hrs-5:00Hrs (Explosive used = 65kg) Blast at 5:20Hrs</p>	<p>Cleaning for 1m invert concrete and fixing of formwork 7:30Hrs-19:00Hrs Pouring of 1m invert concrete 2:35Hrs-6:30Hrs Quantity poured (A-25/50mm) = 124m3 Left side K0+866-0+878 (Volume=12m*10m*1m) Cleaning for 1m invert concrete and fixing of formwork 7:30Hrs-19:00Hrs Right side K0+374-0+386 (Volume=12m*10m*1m) Pouring of 1m invert concrete 7:00Hrs-10:15Hrs Quantity poured (A-25/50mm) = 115m3 Right side K0+362-0+374 Cleaning for 1m invert concrete 7:30Hrs-19:00Hrs Cleaning for 1m invert concrete 20:00Hrs-5:30Hrs Right and Left wall K1+222-1+250 Grouting of rock bolts 8:00Hrs-11:00Hrs 27 pieces installed and 2 holes collapsed Drilling for remaining rock bolts 1:30Hrs-2:30Hrs Grouting of rock bolts 3:00Hrs-5:30Hrs 22 pieces installed Right wall K1+256- Mucking and scaling 20:00Hrs-00:00Hrs Drilling for blast 00:30Hrs-1:30Hrs</p>	<p>Part No.4 K0+327-0+339 El. 773.4-775.9 (5th Lift) No work 7:00Hrs-19:00Hrs Arrangement for pouring of concrete 19:30Hrs-21:30Hrs Pouring of concrete 21:30Hrs-5:00Hrs Quantity poured (Mix-design A-25) = 63m3 Part No.5 No work 7:30Hrs-18:00Hrs Note: There is no work in shear zone because labors held strike (Day shift only) Invert Left side K0+866-0+878 (Volume=12m*10m*1m) Finishing of concrete surface 7:30Hrs-17:30Hrs Left side K0+866-0+878 (Volume=12m*10m*1m) Cleaning for 1m invert concrete and fixing of formwork 7:30Hrs-19:00Hrs Right side K0+902-0+914 (Volume=12m*10m*1m) Pouring of 1m invert concrete 8:40Hrs-13:30Hrs Quantity poured (A-25/50mm) = 130m3 Finishing of concrete surface 13:30Hrs-17:30Hrs Left side K0+878-0+890 Cleaning for 1m invert concrete 7:30Hrs-16:00Hrs Cleaning for 1m invert concrete 19:30Hrs-5:30Hrs Right side K0+926-0+914 (Volume=12m*10m*1m) Cleaning for 1m invert concrete and fixing of formwork 7:30Hrs-19:00Hrs Right wall K1+257- Left wall K1+254- Drilling for blast 7:30Hrs-10:00Hrs Charging 10:00Hrs-12:20Hrs Blast at 14:01Hrs Mucking and scaling 14:15Hrs-15:30Hrs Right wall K1+257- Scaling 19:30Hrs-20:40Hrs Left wall K1+255- Survey for blast 20:45Hrs-21:00Hrs Drilling for blast 21:10Hrs-22:20Hrs Charging and blasting 22:30Hrs-23:30Hrs Mucking 00:00Hrs-3:30Hrs Scaling with jack hammer 3:30Hrs-5:30Hrs</p>	<p>Installation of reinforcement and cleaning work 7:00Hrs-17:30Hrs Part No.5 No work 7:30Hrs-17:00Hrs Invert Right side K0+362-0+374 (Volume=12m*10m*1m) Cleaning for 1m invert concrete and fixing of formwork 7:30Hrs-10:00Hrs Left side K0+926-0+938 (Volume=12m*10m*1m) Cleaning for 1m invert concrete and fixing of formwork 7:30Hrs-19:00Hrs Right side K0+914-0+926 (Volume=12m*10m*1m) Pouring of 1m invert concrete 16:15Hrs-22:10Hrs Quantity poured (A-25/50mm) = 120m3 Finishing of concrete surface 22:10Hrs-5:30Hrs Left side K0+878-0+890 Pouring of 1m invert concrete 7:00Hrs-14:00Hrs Quantity poured (A-25/50mm) = 128m3 Finishing of concrete surface and removing of formwork 19:30Hrs-5:30Hrs Left side K0+890-0+902 (Volume=12m*10m*1m) Cleaning for 1m invert concrete 23:00Hrs-5:30Hrs Right & Left wall K1+222-1+248 Applied 2nd layer of shotcrete 9:50Hrs-16:00Hrs Right and left wall K1+257- Scaling with jack hammer 20:30Hrs-5:00Hrs</p>
Traffic Diversion Tunnel	<p>K0+451.5-0+454.5 Scaling 7:00Hrs-8:00Hrs Geological mapping 8:30Hrs-9:00Hrs (Q-value=1.67) Applying 1st layer of shotcrete 10:30Hrs-11:30Hrs K0+454.5-</p>	<p>K0+447-0+455 Drilling for rock bolts 8:00Hrs-11:00Hrs Grouting of rock bolts 13:30Hrs-16:43Hrs 10 pieces installed (L=5m) 39 pieces installed (L=3m)</p>	<p>K0+457- Mucking and scaling 7:30Hrs-8:30Hrs Geological mapping 8:30Hrs-9:00Hrs Applying 1st layer of shotcrete 9:30Hrs-10:20Hrs K0+430-0+447</p>	<p>K0+463.5- Survey for blast 8:00Hrs-8:30Hrs Drilling for blast 12:30Hrs-15:45Hrs Charging 16:05Hrs-18:00Hrs Blast at 18:25Hrs Mucking and scaling 19:30Hrs-3:20Hrs</p>	<p>K0+463.5- Drilling for additional blast 12:30Hrs-13:00Hrs Charging 16:00Hrs-16:45Hrs Blast at 16:56Hrs K0+467.1- Drilling for blast 19:30Hrs-00:10Hrs</p>

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	<p>Survey for blast 14:30Hrs~15:00Hrs Drilling for blast 15:30Hrs~17:30Hrs Charging 17:45Hrs~21:35Hrs (Explosive used= 350kg) Blast at 21:57Hrs Mucking and scaling 23:00Hrs~2:00Hrs Applying 1st layer of shotcrete 2:30Hrs~3:50Hrs K0+420~0+447 Applying a layer of shotcrete at both right and left wall 4:30Hrs~6:30HrEL.86 3.3~861 Outlet Excavation and mucking 8:00Hrs~13:00Hrs Drilling for rock bolts 14:00Hrs~17:00Hrs</p>	<p>1 remaining piece installed (5m) Left side K0+420~0+447 Right side K0+410~0+447 Demarcation for rock bolts 12:30Hrs~13:00Hrs Drilling for rock bolts 13:00Hrs~14:00Hrs Grouting of rock bolts 21:00Hrs~23:20Hrs 35 pieces installed (L=5m) 4 remaining pieces installed at CH: K0+406~0+414 Drilling for remaining rock bolts 00:10Hrs~1:00Hrs K0+457~ Drilling for blast 20:00Hrs~23:50Hrs Charging 00:00Hrs~2:48Hrs Blasting and ventilation 2:55Hrs~3:30Hrs Mucking and scaling 3:30Hrs~5:30Hrs Outlet EL.861~ Drilling for rock bolts 8:00Hrs~11:30Hrs Grouting of rock bolts 13:30Hrs~16:43Hrs 6 pieces installed and 5 pieces rejected due to not following mix design</p>	<p>Applying remedial layer of shotcrete 11:00Hrs~12:30Hrs K0+460~ Survey for blast 13:30Hrs~14:00Hrs Drilling for blast 14:30Hrs~21:30Hrs Charging 21:35Hrs~23:30Hrs Blasting and ventilation 23:45Hrs~00:10Hrs Mucking and scaling 00:30Hrs~4:30Hrs Geological mapping 5:00Hrs~5:30Hrs K0+410~0+447 Installation of wire mesh 19:30Hrs~23:30Hrs Installation of wire mesh 00:30Hrs~6:00Hrs Outlet EL.861~ Arrangement for applying 1st layer of shotcrete 14:30Hrs~15:00Hrs Breakdown of shotcrete machine 15:00Hrs~17:00Hrs (Quantity of 2m3 rejected due to expiry time)</p>	<p>K0+410~0+447 Installation and fixing of wire mesh 8:30Hrs~16:00Hrs Installation of wire mesh 00:00Hrs~3:40Hrs Applied 2nd layer of shotcrete 3:40Hrs~4:50Hrs Outlet EL.863~861 Arrangement for applying 1st layer of shotcrete 7:30Hrs~8:30Hrs Applied 1st layer of shotcrete 8:50Hrs~9:00Hrs Breakdown of shotcrete machine 9:00Hrs~15:00Hrs Applied 1st layer of shotcrete 15:15Hrs~16:30Hrs</p>	<p>Charging 00:20Hrs~2:00Hrs Blasting and ventilation 2:15Hrs~2:30Hrs Mucking and scaling 2:50Hrs~6:00Hrs K0+455~0+466 Drilling for rock bolts 9:00Hrs~11:15Hrs Arrangement for grouting 13:40Hrs~14:00Hrs Grouting and installation of rock bolts 14:00Hrs~18:00Hrs 40 pieces installed and 3 remained pieces also installed K0+477~ Installation and fixing of wire mesh 21:30Hrs~1:50Hrs Outlet EL.863~861 Arrangement for applying 1st layer of shotcrete 8:00Hrs~8:30Hrs Applied 1st layer of shotcrete 8:30Hrs~10:15Hrs Applied 1st layer of shotcrete again 15:20Hrs~16:45Hrs</p>
Uchar New Crushing plant	<p>Retaining wall No. 3 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No. 5 Excavation and mucking 7:30Hrs~17:30Hrs Excavation and mucking 20:00Hrs~6:00Hrs Retaining wall No.1 No work 7:00Hrs~6:00Hrs Stock gallery Installation of reinforcement 20:00Hrs~5:30Hrs Workshop No.2 Installation of reinforcement and fixing of formwork 7:30Hrs~17:30Hrs Pouring of concrete for workshop No.1 and No.2 20:00Hrs~5:30Hrs Finishing corridor Fixing of formwork and scaffolding, and doing welding works 7:30Hrs~17:30Hrs</p>	<p>Retaining wall No. 3 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No. 5 Excavation and mucking 7:30Hrs~17:30Hrs Excavation and mucking 20:00Hrs~6:00Hrs Retaining wall No.1 No work 7:00Hrs~6:00Hrs Excavation and mucking 20:00Hrs~6:00Hrs Stock gallery Installation of reinforcement 7:30Hrs~17:30Hrs Workshop No.2 Installation of reinforcement at workshop No.1 and No.2 20:00Hrs~5:30Hrs Workshop No.3 Pouring of concrete 20:00Hrs~5:30Hrs Finishing corridor Fixing of formwork and scaffolding, and doing welding works 7:30Hrs~17:30Hrs</p>	<p>Retaining wall No. 2 & 3 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No. 5 No work 7:30Hrs~17:30Hrs Retaining wall No.1 Excavation 7:00Hrs~19:00Hrs Excavation and mucking 20:00Hrs~6:00Hrs Stock gallery Fixing of formwork 7:30Hrs~19:00Hrs Crush Plant Fixing of scaffolding 7:30Hrs~19:00Hrs Processing system Installation of reinforcement 7:30Hrs~19:00Hrs Workshop No.3 Removing of formwork at workshop No.3 20:00Hrs~5:30Hrs</p>	<p>Retaining wall No. 2 & 3 No work 7:30Hrs~7:30Hrs Retaining wall No. 5 No work 7:30Hrs~7:30Hrs Retaining wall No.1 No work 7:00Hrs~19:00Hrs Excavation and mucking 20:00Hrs~6:00Hrs Stock gallery No.2 Fixing of formwork, scaffolding and steel girders 7:30Hrs~19:00Hrs Processing system Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.3 (Sand and fine aggregate) Removing of formwork and new formwork is fixing at workshop No.3 7:30Hrs~17:30Hrs Fixing of reinforcement 20:00Hrs~5:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of formwork 20:00Hrs~5:30Hrs Breaking of stone with Jack hammer uchar nalluh side 7:30Hrs~17:30Hrs</p>	<p>Retaining wall No. 3, 4 & 5 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No. 5 No work 7:30Hrs~7:30Hrs Foundation gallery near stock piles Installation of reinforcement, excavation and leveling 7:30Hrs~17:30Hrs Installation of reinforcement at part No.3 20:00Hrs~5:30Hrs Pouring of concrete at part No.4 8:45Hrs~10:30Hrs Excavation and mucking at Part No.5 20:00Hrs~6:00Hrs Crushing workshop Installation of reinforcement 7:30Hrs~17:30Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate)</p>
Cable crane foundation (Right Bank)		<p>EL. K1+074~1+065 No work due to compressor breakdown 7:00Hrs~17:00Hrs</p>	No Work	<p>EL. K1+074~1+065 Drilling for rock dowels 7:00Hrs~17:00Hrs</p>	<p>EL. K1+074~1+065 Drilling for rock dowels and installation of rock dowels 7:00Hrs~17:00Hrs 4 rock bolts installed</p>
Kass Camp	<p>Construction of stone masonry retaining wall at RAR-01 road side and Project leadership</p>	<p>Construction of stone masonry retaining wall at RAR-01 road side and Project leadership</p>	<p>Construction of stone masonry retaining wall at RAR-01 road side and Project leadership</p>	<p>Construction of stone masonry retaining wall at RAR-01 road side and Project leadership</p>	<p>Construction of stone masonry retaining wall at RAR-01 road side and Project leadership</p>

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	dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs White washing (Painting) 7:30Hrs~17:30Hrs Wire fitting 7:30Hrs~17:30Hrs Installation of Pre-cast concrete rooms of 3rd floor at personal staff dormitory 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Excavation, dumping and leveling 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs	dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs White washing (Painting) 7:30Hrs~17:30Hrs Wire fitting 7:30Hrs~17:30Hrs Installation of formwork at parking area for foundation concrete 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs	dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs White washing (Painting) 7:30Hrs~17:30Hrs Wire fitting 7:30Hrs~17:30Hrs Installation of formwork at parking area for foundation concrete 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs Installation of Pre-cast rooms 7:30Hrs~17:30Hrs	dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs White washing (Painting) 7:30Hrs~17:30Hrs Wire fitting 7:30Hrs~17:30Hrs Installation of formwork at parking area for foundation concrete 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs Installation of Pre-cast rooms 7:30Hrs~17:30Hrs	dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs White washing (Painting) 7:30Hrs~17:30Hrs Wire fitting 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs
CR-5-2 / LU-2	K0+350~ Excavation and mucking 8 :00Hrs~17:30Hrs	K0+310~ Excavation and mucking 8 :00Hrs~18:30Hrs	K0+310~ Excavation and mucking 7:30Hrs~18:30Hrs	K0+320~ Excavation and mucking 7:30Hrs~18:30Hrs	K0+320~ Excavation and mucking 8:00Hrs~17:00Hrs

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Date/Day Location	1 Friday	2 Saturday	3 Sunday	4 Monday	5 Tuesday
Diversion Tunnel A INLET	Left wall and right wall Chipping work 7:30Hrs~17:30Hrs Roof Slab No work 7:30Hrs~17:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~17:30Hrs Left wall and right wall Chipping work at gate area 7:30Hrs~17:30Hrs Part No. 2 & 3 Adjustment for concrete and fixing of reinforcement bars for crown portion 7:30Hrs~17:30Hrs Base Slab No work 7:30Hrs~14:00Hrs No work 20:00Hrs~5:30Hrs	Roof Slab No work 7:30Hrs~17:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~17:30Hrs Left wall and right wall Chipping work at gate area 7:30Hrs~17:30Hrs Part No. 2 & 3 Adjustment for concrete and fixing of reinforcement bars for crown portion 7:30Hrs~17:30Hrs Base Slab No work 7:30Hrs~14:00Hrs No work 20:00Hrs~5:30Hrs	Roof Slab No work 7:30Hrs~17:30Hrs Middle pier K0+002.3~0- 035 No work 7:30Hrs~17:30Hrs Left wall and right wall Chipping work at gate area (Embedded area) 7:30Hrs~17:30Hrs Part No. 2 and 3 Shifting of reinforcement bars to site 7:30Hrs~17:30Hrs No work 20:00Hrs~5:30Hrs	Roof Slab No work 7:30Hrs~17:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~17:30Hrs Left wall and right wall Chipping work at gate area (Embedded area) 7:30Hrs~17:30Hrs Part No.1 Making access by using scaffolding 8:00Hrs~17:30Hrs part No. 2 and 3 Shifting of reinforcement bars 7:30Hrs~17:30Hrs No work 20:00Hrs~5:30Hrs	Roof Slab No work 7:30Hrs~17:30Hrs Middle pier, Left wall and right wall Chipping work at gate area (Embedded area) 7:30Hrs~17:30Hrs Part No. 2 and 3 Shifting and installation of reinforcement bars 7:30Hrs~17:30Hrs No work 20:00Hrs~5:30Hrs
Diversion Tunnel A UNDER GROUND	IRight Side K0+280~0+320 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Right Side K0+280~0+350 Cleaning of invert surface for lean (leveling) concrete 20:00Hrs~5:30Hrs Right Side K0+200~0+470 Removing detached shotcrete from rock surface at crown portion 21:30Hrs~3:00Hrs Left Side K0+790~0+820 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:00Hrs Right Side K0+885~0+897 Fixing of formwork for invert 1m concrete 19:30Hrs~3:00Hrs	Right Side K0+280~0+360 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Right Side K0+320~0+400 Cleaning invert surface for lean (leveling) concrete 19:30Hrs~5:00Hrs Left Side K0+790~0+820 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:00Hrs Pouring of lean (Leveling) concrete 1:30Hrs~7:30Hrs Quantity poured (C- 20) till now = 136m3 (Continue) Right Side K0+897~0+909 Cleaning surface for invert 1m concrete 7:30Hrs~17:00Hrs Right Side K0+969~0+981	Right Side K0+280~0+360 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Cleaning invert surface for lean (leveling) concrete 19:30Hrs~5:00Hrs Right Side K0+360~0+400 Cleaning invert surface for lean (leveling) concrete 19:30Hrs~1:00Hrs Pouring of lean (Leveling) concrete 1:50Hrs~7:00Hrs Continue Right Side K0+320~0+360 Removing under break by jack hammer 15:30Hrs~17:30Hrs K0+400~0+800 Removing detached shotcrete from crown portion at different spots 23:45Hrs~4:00Hrs Left Side K0+790~0+820 Pouring of lean (Leveling) concrete 7:30Hrs~8:30Hrs Total quantity poured (C- 20) = 152m3 Right Side K0+933~0+921	Right Side K0+280~0+360 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Right Side K0+320~0+360 Cleaning invert surface for lean (leveling) concrete 19:30Hrs~5:00Hrs Right Side K0+360~0+400 Pouring of lean (Leveling) concrete 7:00Hrs~9:30Hrs Total quantity poured = 124m3 Right Side K0+933~0+921 Pouring of 1m invert concrete 7:00Hrs~13:30Hrs Quantity poured (A- 25/50mm) = 140m3 Finishing of concrete surface 13:30Hrs~17:30Hrs Right Side K0+849~0+861	Right Side K0+320~0+360 Cleaning invert surface for lean (leveling) concrete and excavation by jack hammer 7:30Hrs~17:30Hrs Cleaning invert surface for lean (leveling) concrete 19:30Hrs~5:30Hrs Left Side K0+430~0+470, K0+780~0+825 Cleaning invert surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Right Side K0+933~0+921 Cleaning surface for invert 1m concrete 7:30Hrs~17:00Hrs Right Side K0+957~0+969 Cleaning surface for invert 1m concrete 7:30Hrs~11:00Hrs Pouring of 1m invert concrete 11:05Hrs~21:15Hrs Quantity poured (A-25/50mm) = 135m3 Finishing of concrete surface 21:15Hrs~5:30Hrs Right Side K1+160~1+200 Dewatering and cleaning 7:40Hrs~17:00Hrs Right Side K0+933~0+945 Cleaning surface for invert 1m concrete 7:30Hrs~17:30Hrs

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	<p>Right Side K0+897-0+909 Fixing of formwork for invert 1m concrete 7:30Hrs-17:00Hrs Right Side K0+921-0+933 Cleaning surface for the invert 1m concrete 12:30Hrs-17:30Hrs Right Side K0+969-0+981 Cleaning surface for the invert 1m concrete 7:30Hrs-16:30Hrs Right Side K0+945-0+957 Cleaning surface for the invert 1m concrete 7:30Hrs-11:00Hrs Right Side K1+029-1+041 (Volume=12m*10m*1 m) Pouring of 1m invert concrete 7:00Hrs-15:00Hrs Quantity poured (A-25/50mm) = 133m3 Finishing of concrete surface 19:30Hrs-2:30Hrs Right Side K1+005-1+017 Cleaning surface for the invert 1m concrete 7:30Hrs-14:30Hrs Right Side K1+053-1+065 (Volume=12m*10m*1 m) Finishing of concrete surface 7:30Hrs-12:30Hrs</p>	<p>Pouring of 1m invert concrete 15:30Hrs-00:45Hrs Quantity poured (A-25/50mm) = 128m3 Right Side K1+029-1+041 (Volume=12m*10m*1 m) Removing of formwork from 1m invert concrete 8:00Hrs-9:30Hrs Right Side K1+005-1+017 Pouring of 1m invert concrete 7:30Hrs-15:40Hrs Quantity poured (A-25/50mm) = 137m3 Finishing of concrete surface 19:30Hrs-00:00Hrs Right Side K0+945-0+957 Pouring of 1m invert concrete 6:00Hrs-7:30Hrs Quantity poured (A-25/50mm) = 20m3 (Continue) K1+415-1+435 Drilling for blast 9:00Hrs-11:00Hrs Charging 12:45Hrs-14:00Hrs Blast at 14:15Hrs Excavation and mucking 3:00Hrs-17:30Hrs Excavation and mucking 20:00Hrs-6:00Hrs</p>	<p>Cleaning surface for invert 1m concrete 7:30Hrs-17:00Hrs Pouring of 1m invert concrete 5:30Hrs-7:00Hrs Right Side K0+981-0+997 Cleaning surface for invert 1m concrete 7:30Hrs-17:00Hrs Right Side K1+029-1+041 (Volume=12m*10m*1 m) Removing of formwork from 1m invert concrete 8:00Hrs-9:30Hrs Right Side K1+005-1+017 Pouring of 1m invert concrete 7:30Hrs-15:40Hrs Quantity poured (A-25/50mm) = 137m3 Finishing of concrete surface 19:30Hrs-00:00Hrs Right Side K0+945-0+957 Pouring of 1m invert concrete 7:30Hrs-13:30Hrs Quantity poured (A-25/50mm) = 140m3 Finishing of concrete surface 13:30Hrs-17:30Hrs Finishing of concrete surface 9:30Hrs-1:00Hrs Right and Left wall K1+430- Drilling for blast 1:45Hrs-2:30Hrs Charging 3:00Hrs-5:00Hrs Blast at 5:12Hrs</p>	<p>Cleaning surface for invert 1m concrete 7:30Hrs-17:00Hrs Right Side K0+945-0+957 (Volume=12m*10m*1 m) Removing of formwork from 1m invert concrete 7:30Hrs-11:00Hrs Right Side K1+160-1+200 Rock surface cleaning 7:40Hrs-17:00Hrs Right Side K0+933-0+945 Cleaning surface for invert 1m concrete 19:30Hrs-3:30Hrs Right Side K0+981-0+993 Pouring of 1m invert concrete 3:30Hrs-7:30Hrs Quantity poured (A-25/50mm) till end of the shift = 70m3 Right and Left wall K1+430- Drilling for blast 23:30Hrs-2:30Hrs Charging 2:45Hrs-4:30Hrs Blast at 4:23Hrs Excavation and mucking 4:45Hrs-7:00Hrs</p>	<p>Right Side K0+981-0+993 Pouring of 1m invert concrete 7:30Hrs-10:30Hrs Quantity poured (A-25/50mm) = 130m3 Finishing of concrete surface 10:30Hrs-17:30Hrs Finishing of concrete surface 19:30Hrs-21:00Hrs Left wall K1+439- Right K1+441- Survey for blast 21:55Hrs-22:45Hrs Drilling for blast 21:30Hrs-00:45Hrs Charging 00:50Hrs-2:15Hrs Blast at 2:25Hrs Excavation and mucking 3:00Hrs-7:00Hrs</p>
Diversion Tunnel B INLET	<p>Roof Slab Fixing of formwork and scaffolding for the crown portion 7:30Hrs-17:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-17:30Hrs Left wall and right wall 7:30Hrs-17:30Hrs Cleaning work 7:30Hrs-17:30Hrs Cleaning of formwork 20:00Hrs-5:30Hrs Part No. 2 Fixing of formwork for crown portion and welding of support bars 7:30Hrs-17:30Hrs Part No. 3 Arrangement for concrete 7:30Hrs-17:30Hrs No work 20:00Hrs-5:30Hrs</p>	<p>Roof Slab No work 7:30Hrs-17:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-17:30Hrs Left wall and right wall No work 7:30Hrs-17:30Hrs Part No. 2 No work 7:30Hrs-17:30Hrs Part No. 3 Right and Left wall EL.777.145-779.645 (Lift 6th) Pouring of concrete 14:30Hrs-1:00Hrs Total quantity poured (A-25) = 140m3</p>	<p>Roof Slab No work 7:30Hrs-17:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-17:30Hrs Left and right side Fixing of scaffolding 7:30Hrs-17:30Hrs Shifting of scaffolding 19:30Hrs-5:30Hrs Part No. 2 No work 7:30Hrs-17:30Hrs Part No. 3 Right and Left wall EL.777.145-779.645 (Lift 6th) No work 7:30Hrs-17:30Hrs</p>	<p>Roof Slab Fixing of formwork for the slab and assembling of platform 7:30Hrs-17:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-17:30Hrs Left and right side 7:30Hrs-17:30Hrs Shifting of scaffolding 19:30Hrs-5:30Hrs Part No. 2 Right and Left wall EL.777.145-779.645 (Lift 6th) Cleaning work, arrangement for pouring concrete and fixing of concrete pipes 7:30Hrs-17:30Hrs Pouring of concrete 21:00Hrs-7:00Hrs continue Part No. 3 No work 7:30Hrs-17:30Hrs</p>	<p>Roof Slab Fixing of scaffolding for the slab 7:30Hrs-17:30Hrs Middle pier K0+002.3-0-035 (9th Lift) Installation of reinforcement 7:30Hrs-17:30Hrs Left and right side Fixing of scaffolding for the slab 7:30Hrs-17:30Hrs Part No. 1 Shifting of reinforcement to crown with the help of crane 7:30Hrs-17:30Hrs Part No. 2 Right and Left wall EL.777.145-779.645 (Lift 6th) Pouring of concrete 7:30Hrs-11:35Hrs Total quantity poured = 152m3 Chipping 16:00Hrs-17:30Hrs Chipping and cleaning 19:30Hrs-5:30Hrs Part No. 3 Fixing and tightening of scaffolding pipes 7:30Hrs-17:30Hrs</p>
Diversion Tunnel B UNDER GROUND	<p>K0+090-0+120 Invert excavation with jack hammer and cleaning of invert surface 7:30Hrs-17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs-5:30Hrs Shear zone area Part No.01 No work 7:00Hrs-7:00Hrs Part No 2 No work 7:00Hrs-7:00Hrs</p>	<p>K0+090-0+120 Invert cleaning for lean concrete and removing under break with the help of jack hammer 7:30Hrs-17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs-5:30Hrs Shear zone area Part No.01 No work 7:00Hrs-7:00Hrs</p>	<p>K0+090-0+130 Invert cleaning for lean (leveling) concrete 7:30Hrs-17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs-5:30Hrs K0+130-0+140 Excavation with jack hammer 19:30Hrs-5:30Hrs Shear zone area Part No.01 No work 7:00Hrs-7:00Hrs Part No 2 No work 7:00Hrs-7:00Hrs</p>	<p>K0+090-0+130 Invert cleaning for lean (leveling) concrete and survey carried out 7:30Hrs-17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs-5:30Hrs K0+130-0+170 Excavation with jack hammer for levelling concrete 7:30Hrs-17:30Hrs Excavation with jack hammer for levelling concrete 19:30Hrs-5:30Hrs</p>	<p>Left side K0+090-0+110 Invert cleaning for lean (leveling) concrete and survey carried out 7:30Hrs-17:30Hrs Left side K0+090-0+130 Invert cleaning for lean (leveling) concrete 19:30Hrs-5:30Hrs Left side K0+110-0+130 Removing under cuts with jack hammer for levelling concrete 8:00Hrs-10:30Hrs Excavation and mucking 10:30Hrs-17:30Hrs Left side K0+130-0+140</p>

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	<p>Part No 3 Right side and left side Fixing of scaffolding pipe for the crown 7:30Hrs-17:30Hrs Fixing of scaffolding pipe for the crown 19:30Hrs-5:30Hrs Part No.4 K0+327-0+339 No work 7:30Hrs-17:00Hrs Part No.5 No work 7:30Hrs-17:00Hrs Right side K0+362-0+374 (Volume=12m*10m*1 m) Pouring of 1m invert concrete 3:00Hrs-7:20Hrs Quantity poured (A-25/50mm) = 120m3 Right side K0+914-0+926 (Volume=12m*10m*1 m) Finishing of concrete surface 7:30Hrs-17:30Hrs Left side K0+890-0+902 (Volume=12m*10m*1 m) Cleaning for 1m invert concrete 7:30Hrs-17:30Hrs Pouring of 1m invert concrete 22:45Hrs-3:00Hrs Quantity poured (A-25/50mm) = 120m3 Finishing of concrete surface 3:00Hrs-7:30Hrs Right and left wall K1+252-1+265 Scaling with jack hammer and installation of thickness pins 20:00Hrs-4:30Hrs</p>	<p>Part No 2 No work 7:00Hrs-7:00Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown 7:30Hrs-17:30Hrs Fixing of scaffolding pipe for the crown 19:30Hrs-5:30Hrs Part No.4 K0+327-0+339 No work 7:30Hrs-17:00Hrs Part No.5 No work 7:30Hrs-17:00Hrs Invert Right side K0+362-0+374 (Volume=12m*10m*1 m) Finishing of 1m invert concrete 7:30Hrs-17:00Hrs Left side K0+914-0+926 (Volume=12m*10m*1 m) Cleaning for 1m invert concrete 7:30Hrs-17:30Hrs Left side K0+902-0+914 (Volume=12m*10m*1 m) Fixing of formwork for 1m invert concrete 7:30Hrs-10:30Hrs Cleaning for 1m invert concrete 19:30Hrs-5:30Hrs Right side K0+926-0+9938 (Volume=12m*10m*1 m) Pouring of 1m invert concrete 00:45Hrs-7:00Hrs Quantity poured (A-25/50mm) = 122m3 Finishing of concrete surface 7:00Hrs-7:30Hrs</p>	<p>Part No 3 Right side and left side Fixing of scaffolding pipe for the crown 7:30Hrs-17:30Hrs Fixing of scaffolding pipe for the crown 19:30Hrs-5:30Hrs Part No.4 No work 7:30Hrs-17:00Hrs Part No.5 No work 7:30Hrs-17:00Hr Invert Left side K0+902-0+914 (Volume=12m*10m*1m) Pouring of 1m invert concrete 16:15Hrs-17:00Hrs Pouring of 1m invert concrete 22:00Hrs-5:30Hrs Quantity poured (A-25/50mm) = 132m3 Note: Due to non-availability of aggregate at batching plant concrete delayed from 17:00Hrs to 22:00Hrs, as a result cold joint happened. Right side K0+938-0+950 (Volume=12m*10m*1m) Fixing of formwork for 1m invert concrete 7:30Hrs-17:30Hrs Cleaning for 1m invert concrete 19:30Hrs-5:30Hrs Right side K0+926-0+938 (Volume=12m*10m*1m) Finishing of concrete surface 7:00Hrs-11:00Hrs Right and left wall K1+222-1+248 Applied remedial layer of shotcrete 11:45Hrs-14:30Hrs Drilling for weep holes 1:00Hrs-4:00Hrs Right and left wall K1+252-1+265 Arrangement for 1st layer of shotcrete 9:00Hrs-9:30Hrs Applied 1st layer of shotcrete 9:40Hrs-11:30Hrs Drilling for rock bolts 4:00Hrs-6:30Hrs</p>	<p>Shear zone area Part No.01 Fixing of scaffolding pipe for the crown and assembling platform 7:30Hrs-17:30Hrs Part No 2 Fixing of scaffolding pipe for the crown and assembling platform 7:30Hrs-17:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown and assembling platform 7:30Hrs-17:30Hrs Part No.4 Cleaning of reinforcements and arrangement for fixing formwork 7:30Hrs-17:00Hrs Part No.5 No work 7:30Hrs-17:00Hrs Invert Right side K0+938-0+950 (Volume=12m*10m*1 m) Pouring of 1m invert concrete 12:15Hrs-18:20Hrs Quantity poured (A-25/50mm) = 113m3 Left side K0+914-0+926 (Volume=12m*10m*1 m) Arrangement for pouring concrete 19:30Hrs-23:00Hrs Pouring of 1m invert concrete 23:15Hrs-3:00Hrs Quantity poured (A-25/50mm) = 120m3 Finishing of concrete surface 7:00Hrs-11:00Hrs Left wall K1+253-1+260 Drilling for rock bolts 20:00Hrs-5:30Hrs Installation of 8m rock bolts 21:00Hrs-5:30Hrs</p>	<p>Excavation with jack hammer for levelling concrete 21:50Hrs-4:30Hrs Shear zone area Part No.01 No work 7:30Hrs-17:30Hrs Part No 2 No work 7:30Hrs-17:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown portion 7:30Hrs-17:30Hrs Shifting and fixing of scaffolding pipe for the crown portion 19:30Hrs-5:30Hrs Part No.4 Cleaning of reinforcements of left wall 6th lift 7:30Hrs-17:00Hrs Part No.5 No work 7:30Hrs-17:00Hrs Invert Right side K0+926-0+938 (Volume=12m*10m*1m) Cleaning for invert 1m concrete 7:30Hrs-11:30Hrs Dewatering from invert surfaces 15:00Hrs-17:00Hrs Pouring of 1m invert concrete 19:30Hrs-3:00Hrs Quantity poured (A-25/50mm) = 127m3 Left side K0+914-0+926 (Volume=12m*10m*1m) Finishing of concrete surface 8:00Hrs-11:00Hrs Right wall K1+253-1+260 Drilling for rock bolts 7:30Hrs-9:00Hrs Drilling for rock bolts 20:10Hrs-5:30Hrs Left wall K1+253-1+260 Installation of 8m rock bolts 7:30Hrs-9:00Hrs 5 rock bolts installed (L=8m) Arrangement for grouting 22:30Hrs-5:30Hrs</p>
Traffic Diversion Tunnel	<p>K0+467.1-0+471 Mucking and scaling 7:30Hrs-11:00Hrs Note: An over break observed about 1.5m to 2m Geological mapping (Q-value = 1.17) Arrangement for shotcrete 19:30Hrs-20:20Hrs Applied 1st layer of shotcrete 20:20Hrs-21:10Hrs K0+410-0+440 Applied 2nd layer of shotcrete 11:00Hrs-15:30Hrs (Quantity = 32m3) K0+471- Survey for blast 23:30Hrs-22:00Hrs Drilling for blast 22:30Hrs-1:00Hrs Charging and blasting 2:15Hrs-4:30Hrs Mucking and scaling 5:00Hrs-6:00Hrs EL.865-861</p>	<p>K0+471- Mucking and scaling 7:30Hrs-13:30Hrs Geological mapping 13:30Hrs-14:30Hrs (Q-value = 1.17) Installation of thickness pins 14:30Hrs-15:30Hrs Arrangement for shotcrete 15:30Hrs-16:00Hrs Applied 1st layer of shotcrete 16:10Hrs-16:50Hrs K0+474- Survey for blast 16:50Hrs-17:10Hrs K0+466-0+473 Drilling for rock bolts 21:00Hrs-2:00Hrs Preparation for grouting 2:00Hrs-3:00Hrs Grouting and installation of rock bolts 3:00Hrs-7:00Hrs</p>	<p>K0+474- Drilling for blast 12:40Hrs-17:40Hrs Drilling for blast 20:00Hrs-22:00Hrs Charging 23:00Hrs-2:30Hrs (Explosive used = 235kg) Blast at 2:45Hrs Mucking and scaling 3:00Hrs-6:00Hrs Note: Contractor has not followed the blasting design and used explosive more than the design. K0+447-0+462 Fixing of wire mesh 12:00Hrs-17:30Hrs Fixing of wire mesh 20:00Hrs-2:00Hrs K0+462-0+474 Grouting and installation of rock bolts 8:00Hrs-11:50Hrs 50 Pieces installed EL.865-861 outlet Applied 2nd layer of shotcrete by hand held</p>	<p>K0+474-0+478 Mucking and scaling 7:00Hrs-10:20Hrs Arrangement for 1st layer of shotcrete 14:50Hrs-15:30Hrs Applied 1st layer of shotcrete 15:40Hrs-16:05Hrs (K0+478 Q- value = 1.13) Survey and demarcation for blasting 16:30Hrs-17:00Hrs Drilling for blast 19:30Hrs-22:10Hrs Charging 22:30Hrs-00:30Hrs (Explosive used = 250kg) Blast at 1:11Hrs Mucking and scaling 1:45Hrs-5:00Hrs Geological mapping (Q- value 1.33) = 5:30Hrs-6:00Hrs K0+447-0+455</p>	<p>K0+478-0+481 Arrangement for 1st layer of shotcrete 7:00Hrs-8:00Hrs Applied for 1st layer of shotcrete 9:00Hrs-9:25Hrs K0+444-0+452 Applied for 1st layer of shotcrete 10:00Hrs-1:00Hrs K0+481- Survey and demarcation for blasting 14:00Hrs-14:30Hrs Drilling for blast 14:45Hrs-16:30Hrs Charging 16:35Hrs-17:47Hrs (Explosive used = 200kg) Blast at 17:51Hrs Mucking and scaling 19:30Hrs-2:00Hrs Geological mapping (Q- value 1.33) = 2:30Hrs-3:00Hrs Arrangement for 1st layer of shotcrete 3:00Hrs-4:00Hrs Applied for 1st layer of shotcrete 4:30Hrs-5:25Hrs K0+447-0+452 Fixing of wire mesh 8:00Hrs-10:00Hrs outlet EL.861-</p>

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	Applied 1st layer of shotcrete by hand held shotcrete machine 8:30Hrs~9:30Hrs (Quantity = 1m3) Applied 1st layer of shotcrete again by hand held shotcrete machine 14:20Hrs~17:45Hrs (Quantity = 3m3)	37 Pieces installed EL.865~861 outlet Applied 1st layer of shotcrete by hand held shotcrete machine 7:30Hrs~15:00Hrs	shotcrete machine 8:30Hrs~9:50Hrs Applied 2nd layer of shotcrete again by hand held shotcrete machine 14:20Hrs~16:30Hrs	Fixing of wire mesh 8:00Hrs~17:30Hrs Fixing of wire mesh 20:00Hrs~4:00Hrs Outlet EL.865~861 Applied 2nd layer of shotcrete by hand held shotcrete machine 9:30Hrs~10:30Hrs Applied 2nd layer of shotcrete again by hand held shotcrete machine 13:20Hrs~15:30Hrs	Drilling for blasting 7:30Hrs~17:30Hrs
Uchar New Crushing plant	Retaining wall No. 3, 5 & 8 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No.1 No work 7:00Hrs~7:00Hrs Foundation gallery near stock piles Installation of reinforcement, excavation and leveling 7:30Hrs~17:30Hrs Installation of reinforcement for part No.3 20:00Hrs~5:30Hrs Excavation of part No.5 and 6 20:00Hrs~5:30Hrs Crushing workshop Installation of reinforcement 7:30Hrs~17:30Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of formwork and scaffolding 20:00Hrs~5:30Hrs Breaking of stone with Jack hammer uchar nalluh side 7:30Hrs~15:00Hrs Breaking of stone with Jack hammer uchar nalluh side 20:00Hrs~5:30Hrs Charging for shallow holes blasting 7:30Hrs~9:45Hrs Blasting 13:30Hrs	Retaining wall No. 3, 5 & 8 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Stone masonry at Retaining wall No. 3 & 5 20:00Hrs~5:30Hrs Retaining wall No.1 No work 7:00Hrs~7:00Hrs Foundation gallery near stock piles Installation of reinforcement, excavation and leveling 7:30Hrs~17:30Hrs Installation of reinforcement 20:00Hrs~5:30Hrs Excavation of part No.5, 6 and 7 20:00Hrs~5:30Hrs Crushing workshop Installation of reinforcement 7:30Hrs~17:30Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of formwork and scaffolding 20:00Hrs~5:30Hrs Breaking of stone with Jack hammer uchar nalluh side 7:30Hrs~15:00Hrs Breaking of stone with Jack hammer uchar nalluh side 20:00Hrs~5:30Hrs Drilling for shallow holes blasting at uchar nalluh side 7:30Hrs~17:30Hrs Mucking at uchar nalluh side 7:30Hrs~17:30Hrs	Retaining wall No. 3, 5 & 8 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Stone masonry at Retaining wall No. 3 & 5 20:00Hrs~5:30Hrs Retaining wall No.1 No work 7:00Hrs~7:00Hrs Foundation gallery near stock piles Installation of reinforcement, excavation and leveling 7:30Hrs~17:30Hrs Excavation of part No.5, 6 and 7 20:00Hrs~5:30Hrs Crushing workshop Installation of reinforcement 7:30Hrs~17:30Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of formwork and scaffolding 20:00Hrs~5:30Hrs Breaking of stone with Jack hammer and mucking at uchar nalluh side 7:30Hrs~15:00Hrs Breaking of stone with Jack hammer uchar nalluh side 20:00Hrs~5:30Hrs	Retaining wall No. 3, 5 & 8 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Stone masonry at Retaining wall No. 3 & 5 20:00Hrs~5:30Hrs Retaining wall No. 3 & 5 20:00Hrs~5:30Hrs Retaining wall No. 3 & 5 Back filling 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Back filling 12:30Hrs~17:30Hrs Foundation gallery near stock piles Installation of reinforcement 7:30Hrs~17:30Hrs Back filling 20:00Hrs~5:30Hrs Crushing plant area Breaking of stones with jack hammer 20:00Hrs~5:30Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Installation of reinforcement 20:00Hrs~5:30Hrs Uchar Nalluh Side Drilling for shallow hole blasting 7:30Hrs~17:30Hrs Breaking of stones with jack hammer 7:30Hrs~17:30Hrs	Retaining wall No. 3, 5 & 8 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No. 3 & 5 Back filling 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Back filling 12:30Hrs~17:30Hrs Foundation gallery near stock piles Installation of reinforcement 7:30Hrs~17:30Hrs Fixing of formwork 20:00Hrs~5:30Hrs Crushing plant area Breaking of stones with jack hammer 20:00Hrs~5:30Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Installation of reinforcement 20:00Hrs~5:30Hrs Uchar Nalluh Side Drilling for shallow hole blasting 7:30Hrs~17:30Hrs Breaking of stones with jack hammer 7:30Hrs~17:30Hrs
Cable crane foundation (Right Bank)	EL. K1+074~1+065 Drilling for rock dowels and installation of rock dowels 7:00Hrs~17:00Hrs 3 numbers of rock bolts has installed	EL. K1+070~1+065 Drilling for rock dowels and installation of rock dowels 7:00Hrs~17:00Hrs 8 numbers of rock bolts has installed	EL. K1+070~1+065 Installation and grouting of rock dowels 7:00Hrs~17:00Hrs 14 numbers of rock bolts has been grouted and 4 pieces of rock bolts has installed.	EL. K1+074~1+067 Drilling for rock bolts and installation of rock bolts 7:00Hrs~17:00Hrs	EL. K1+074~1+067 Drilling for rock bolts 7:00Hrs~17:00Hrs
Kass Camp	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs

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	White washing (Painting) 7:30Hrs-17:30Hrs Installation of steel grills for edge protection 7:30Hrs-17:30Hrs Installation of windows 7:30Hrs-17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Pouring of concrete at personal staff dormitory section-A 7:30Hrs-17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs installation of sewage pipe line 7:30Hrs-17:30Hrs Excavation, leveling and dumping 7:30Hrs-17:30Hrs	White washing (Painting) 7:30Hrs-17:30Hrs Construction of brick masonry partition wall 7:30Hrs-17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Excavation, leveling and dumping 7:30Hrs-17:30Hrs	White washing (Painting) 7:30Hrs-17:30Hrs Construction of brick masonry partition wall 7:30Hrs-17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Installation of sewage pipe line 7:30Hrs-17:30Hrs Excavation, leveling and dumping 7:30Hrs-17:30Hrs	White washing (Painting) 7:30Hrs-17:30Hrs Construction of brick masonry partition wall 7:30Hrs-17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Excavation, leveling and dumping 7:30Hrs-17:30Hrs	Open fitting of electricity 7:30Hrs-17:30Hrs Installation of windows 7:30Hrs-17:30Hrs Installation of edge protection 7:30Hrs-17:30Hrs Construction of brick masonry partition wall 7:30Hrs-17:30Hrs Removing formwork from personal staff dormitory section-c 7:30Hrs-17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs-17:30Hrs Installation of sewage pipe line 7:30Hrs-17:30Hrs Excavation, leveling and dumping 7:30Hrs-17:30Hrs
CR-5-2 / LU-2	K0+320- Excavation and mucking 8:00Hrs-17:00Hrs	K0+320- Excavation and mucking 8:00Hrs-17:00Hrs	K0+320- Excavation and mucking 8:00Hrs-17:00Hrs	No Work	No Work

Date/Day Location	6 Wednesday	7 Thursday	8 Friday	9 Saturday	10 Sunday
Diversion Tunnel A INLET	Roof Slab No work 7:30Hrs-17:30Hrs Middle pier, Left wall and right wall No work 7:30Hrs-17:30Hrs Part No. 2 and 3 Fixing of formwork, scaffolding and installation of reinforcement bars 7:30Hrs-17:30Hrs No work 20:00Hrs-5:30Hrs	Left Wall K0+002.3-0-033 No Work 7:00Hrs-7:00Hrs Right Wall K0+002.3-0-033 No Work 7:00Hrs-7:00Hrs Middle pier K0+002.3-0-035 No Work 7:00Hrs-7:00Hrs Part 2 & 3 Crown Shifting of steel 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Steel Fixing 12:30Hrs-17:30Hrs No Work 20:00Hrs-7:00Hrs	Left Wall K0+002.3-0-033 No Work 7:00Hrs-7:00Hrs Right Wall K0+002.3-0-033 No Work 7:00Hrs-7:00Hrs Middle pier K0+002.3-0-035 Steel Fixing 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Steel Fixing 12:30Hrs-17:30Hrs No Work 20:00Hrs-7:00Hrs Part 2 & 3 Crown Fixing of Formwork 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of Formwork 12:30Hrs-17:30Hrs No Work 20:00Hrs-7:00Hrs	No Work	No Work
Diversion Tunnel A UNDER GROUND	Right Side K0+200-0+240 Cleaning invert surface for lean (leveling) concrete 7:30Hrs-17:30Hrs Cleaning invert surface for lean (leveling) concrete 19:30Hrs-5:30Hrs Right Side K0+310-0+350 Cleaning invert surface for lean (leveling) concrete 7:30Hrs-17:30Hrs Left Side K0+430-0+470 Cleaning invert surface for lean (leveling) concrete 7:30Hrs-17:30Hrs Right Side K0+885-0+897 Cleaning surface for invert 1m concrete 7:30Hrs-17:00Hrs Cleaning surface for invert 1m concrete 19:30Hrs-5:30Hrs Right Side K0+897-0+909 Pouring of 1m invert concrete 8:30Hrs-16:30Hrs	Right Side K0+885-K0+873 Pouring of concrete 1m 7:30Hrs-13:30Hrs Total Quantity 127.5m3 Surface Finishing 13:30Hrs-19:00Hrs Right Side K0+837-K0+825 Cleaning surface for invert concrete 7:00Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for invert concrete 12:30Hrs-16:00Hrs Right Side K0+909-K0+921 Cleaning for invert concrete 7:00Hrs-11:30Hrs Cleaning for invert concrete 20:00Hrs-4:00Hrs Pouring of concrete 4:30Hrs-7:00Hrs Quantity 46m3 K0+210-K0+240 cleaning for lean concrete 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for lean concrete 12:30Hrs-17:30Hrs Cleaning for lean concrete 20:00Hrs-4:00Hrs K0+280-K0+320 cleaning for lean concrete 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs	Right Side K0+885-K0+897 Cleaning for invert 1m concrete 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Arrangement for concrete 12:30Hrs-15:00Hrs Pouring of concrete 15:15Hrs-22:30Hrs Total Quantity 130m3 Surface finishing 23:00Hrs-7:00Hrs Right Side K0+909-K0+921 Pouring of invert 1m concrete 7:00Hrs-13:00Hrs Total Quantity 134m3 Surface finishing 13:30Hrs-21:30Hrs Right Side K0+200-K0+260 cleaning for lean concrete 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for lean concrete 12:30Hrs-17:30Hrs Invert cleaning for lean concrete 20:00Hrs-5:00Hrs Right Side K0+100-K0+140 cleaning for lean concrete 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for lean concrete 12:30Hrs-17:30Hrs Right Side K0+310-K0+360	Right Side K0+280-0+320 Cleaning invert surface for lean (leveling) concrete 7:30Hrs-17:30Hrs Right Side K0+320-0+360 Cleaning invert surface for lean (leveling) concrete 7:30Hrs-17:30Hrs Right Side K0+280-0+240 Cleaning invert surface for lean (leveling) concrete 7:30Hrs-17:30Hrs Cleaning invert surface for lean (leveling) concrete 20:00Hrs-4:30Hrs INVERT D/S Right Side K0+600-K0+624 Cleaning surface for invert 1m concrete 13:00Hrs-17:30Hrs Left Side K0+400-K0+420 Excavation & Mucking 13:00Hrs-18:00Hrs Excavation & Mucking 20:00Hrs-2:00Hrs Right Side K0+873-K0+861 Pouring of invert 1m concrete 3:00Hrs-7:00Hrs Quantity poured(A-25/50mm)=140m3	Right Side K0+140-K0+180 Cleaning of rock surface for lean (leveling) concrete 20:00Hrs-5:00Hrs Right Side K0+180-K0+220 Excavation with Jack Hammer for leveling concrete 20:00Hrs-7:00Hrs INVERT D/S Right Side K0+600-K0+624 Cleaning surface for invert 1m concrete 13:00Hrs-17:30Hrs Left Side K0+400-K0+420 Excavation & Mucking 13:00Hrs-18:00Hrs Excavation & Mucking 20:00Hrs-2:00Hrs Right Side K0+873-K0+861 Pouring of invert 1m concrete 3:00Hrs-7:00Hrs Quantity poured(A-25/50mm)=140m3

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	Quantity poured (A-25/50mm) = 136m3 Finishing of concrete surface 19:30Hrs-5:30Hrs Right Side K0+873-0+885 Cleaning surface for invert 1m concrete 7:30Hrs-17:30Hrs Pouring of 1m invert concrete 4:00Hrs-7:00Hrs Left and Right wall K1+420-1+444 Arrangement from 1st layer of shotcrete 8:30Hrs-11:30Hrs Applied 1st layer of shotcrete 16:00Hrs-23:30Hrs	Cleaning for lean concrete 12:30Hrs-17:30Hrs K1+424-K1+440 L/W Arrangement for grouting 7:30Hrs-9:00Hrs Grouting & Installation of Rock bolts 9:30Hrs-15:00Hrs Arrangement for 2nd layer shotcrete 20:00Hrs-21:00Hrs Execution of 2nd layer shotcrete (14m3) 21:00Hrs-1:30Hrs K1+422-K1+442 R/W Arrangement for grouting 7:30Hrs-9:00Hrs Grouting & Installation of Rock bolts 9:30Hrs-15:00Hrs Total 72 pieces installed Arrangement for 2nd layer shotcrete 20:00Hrs-21:00Hrs Execution of 2nd layer shotcrete (18m3) 21:00Hrs-1:30Hrs	Excavation with Jack Hammer 20:00Hrs-3:00Hrs K1+400-K1+420 L+R/W Drilling for blast 20:30Hrs-23:00Hrs	Cleaning surface for invert 1m concrete 7:30Hrs-11:30Hrs Pouring of 1m invert concrete 12:30Hrs-18:00Hrs Quantity poured (A-25/50mm) = 120m3 Finishing of concrete surface 18:00Hrs-5:00Hrs Right Side K1+160-1+200 Rock surface cleaning 7:30Hrs-17:00Hrs Pouring of leveling concrete 18:10Hrs-23:30Hrs Quantity poured (C-20)=117m3 Right Wall + center K1+400-K1+420 3rd lift Drilling for blast 7:30Hrs-17:30Hrs Charging 20:00Hrs-23:50Hrs Blast 00:00Hrs	Right Side K0+825-K0+837 Pouring of invert 1m concrete 21:20Hrs-2:50Hrs Quantity poured(A-25/50mm)=140m3 Finishing of concrete surface 3:00Hrs-7:00Hrs
Diversion Tunnel B Inlet Portal	Roof Slab No work 7:30Hrs-17:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-17:30Hrs Left and right side Fixing of scaffolding for the slab 7:30Hrs-17:30Hrs Part No. 1 & No.2 Fixing of scaffolding and formwork 7:30Hrs-17:30Hrs Cleaning of base slab 19:30Hrs-5:30Hrs	Formwork cleaning 20:00Hrs-3:00Hrs Part 2 & 3 Crown Steel Fixing 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Steel Fixing 12:30Hrs-17:30Hrs No Work 20:00Hrs-7:00Hrs	Roof Slab Fixing of Formwork 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of Formwork 12:30Hrs-17:30Hrs Shifting of Formwork 20:00Hrs-4:30Hrs	Roof Slab Fixing of Scaffolding for the slab 7:30Hrs-17:30Hrs Fixing of Scaffolding for the slab 19:30Hrs-2:00Hrs Middle pier K0+002.3-0-035 No work 7:00Hrs-7:00Hrs Left and right side No Work 7:00Hrs-7:00Hrs	Roof Slab No Work 7:00Hrs-17:30Hrs Fixing of scaffolding for slab 19:30Hrs-2:00Hrs
Diversion Tunnel B UNDER GROUND	Left side K0+050-0+090 Invert cleaning for lean (leveling) concrete 7:30Hrs-17:30Hrs Left side K0+090-0+130 Pouring of lean (Leveling) concrete 20:00Hrs-2:15Hrs Quantity (C-20) = 128m3 Left side K0+150- Excavation and mucking 7:30Hrs-17:30Hrs Shear zone area Part No.01 No work 7:30Hrs-17:30Hrs Part No 2 No work 7:30Hrs-17:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown portion 7:30Hrs-17:30Hrs Fixing of scaffolding pipe for the crown portion 19:30Hrs-5:30Hrs Part No.4 Fixing of scaffolding pipe for the crown portion 19:30Hrs-5:30Hrs Part No.5 No work 7:30Hrs-17:00Hrs Invert Right side K0+926-0+938 (Volume=12m*10m*1 m)	Part No.01 & Part No.03 Fixing of Scaffolding for crown concrete 7:30Hrs-11:30Hrs Lunch Time 11:30Hrs-12:30Hrs Fixing of Scaffolding for crown concrete 12:30Hrs-17:30Hrs Fixing of scaffolding for crown concrete 20:00Hrs-5:00Hrs Upstream K0+350-K0+362 Mucking 20:00Hrs-23:30Hrs Invert Left Side K0+130-K0+160 Invert cleaning for lean concrete 20:00Hrs-5:00Hrs Left Side K0+160-K0+180 Invert Excavation with jack Hammer 20:00Hrs-4:30Hrs Left Side K0+938-K0+950 Cleaning for invert 1m concrete 19:30Hrs-4:30Hrs	Part No.01 & Part No.03 No Work 7:00Hrs-7:00Hrs Fixing of scaffolding for crown concrete 20:00Hrs-5:30Hrs Part No.04 Left Wall Fixing of Formwork 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of Formwork 12:30Hrs-17:30Hrs No Work 20:00Hrs-7:00Hrs Upstream Left Side K0+350-K0+362 Cleaning for 1m invert concrete 7:30Hrs-11:30 Lunch break 11:30Hrs-12:30Hrs Upstream Left Side K0+350-K0+362 Cleaning for 1m invert concrete 7:30Hrs-11:30 Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-17:30Hrs No Work 20:00Hrs-7:00Hrs Invert Left Side K0+130-K0+165 Invert cleaning for lean concrete 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Invert cleaning for lean concrete 12:30Hrs-17:30Hrs Invert cleaning for lean concrete 20:00Hrs-5:00Hrs Left Side K0+160-K0+200 Invert excavation with jack Hammer 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs	K0+130-K0+160 Invert cleaning for lean (leveling) concrete 7:30Hrs-17:30Hrs Invert cleaning for lean (leveling) concrete 20:00Hrs-22:30Hrs K0+160-0+200 Excavation with jack hammer for levelling concrete 13:30Hrs-18:00Hrs Shear zone area Part No.01 No Work 7:00Hrs-7:00Hrs Part No 2 No Work 7:00Hrs-7:00Hrs Part No 3 Right side and left side No Work 7:00Hrs-17:30Hrs Fixing of scaffolding for crown 19:30Hrs-2:00Hrs Part No.4 Left Wall Fixing of Formwork 13:00Hrs-18:00Hrs Part No.5 No work 7:30Hrs-17:00Hrs Invert Right Side K0+350-K0+362 (Volume=12m*10m*1m) Cleaning of surface for invert 1m concrete 13:00Hrs-18:00Hrs Cleaning of surface for invert 1m concrete 19:30Hrs-2:00Hrs Left wall K1+252-1+260	

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	<p>Finishing of concrete surface 7:30Hrs~12:00Hrs</p> <p>Right side K0+950-0+962 (Volume=12m*10m*1 m) Fixing of formwork and invert cleaning for invert 1m concrete 7:30Hrs~17:00Hrs Arrangement for pouring concrete and dewatering 19:30Hrs~23:00Hrs Pouring of 1m invert concrete 23:50Hrs~4:45Hrs Quantity poured (A-25/50mm) = 130m3 Right wall K1+252-1+262 Drilling for rock bolts 7:30Hrs~10:00Hrs Installation of rock bolts 9:30Hrs~11:00Hrs K1+249-1+252 Drilling for rock bolts 10:00Hrs~17:30Hrs K1+245~ Excavation and mucking 7:30Hrs~17:30Hrs Excavation and mucking 19:30Hrs~5:30Hrs</p>		<p>Invert excavation with Jack Hammer 12:30Hrs~17:30Hrs Drilling for blast 2:30Hrs~4:00Hrs Charging 4:00Hrs~4:40Hrs Blast 5:30Hrs Left Side K0+962~K0+950 Invert cleaning for 1m concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for 1m concrete 12:30Hrs~17:30Hrs Poring of concrete 23:00Hrs~4:30Hrs Total Quantity 130m3 Left Wall K1+252-K1+160 Grouting & Installation of Rock bolts 14:30Hrs~17:30Hrs 08 Pieces installed Grouting & Installation of rock bolts 20:00Hrs~23:40Hrs 16 Pieces grouted</p>	<p>Arrangement for pouring concrete 7:30Hrs~17:00Hrs Pouring of 1m invert concrete 17:10Hrs~1:30Hrs Quantity poured (A-25/50mm) = 154m3 Finishing of concrete surface 1:30Hrs~7:00Hrs Left wall K1+252-1+260 Installation of 8m rock bolts 7:00Hrs~15:30Hrs 21 Pieces installed</p>	<p>Fixing of Rock bolts Plates 13:00Hrs~18:00Hrs Execution of 2nd layer shotcrete(8m3) 4:00Hrs~5:00Hrs</p>
Traffic Diversion Tunnel Portal	<p>K0+444-0+452 Applied 2nd layer of shotcrete 7:30Hrs~10:15Hrs K0+474-0+484 Drilling for rock bolts 12:00Hrs~18:00Hrs Arrangement for grouting 19:30Hrs~21:00Hrs Grouting and installation of rock bolts 22:00Hrs~1:00Hrs 40 Pieces grouted and installed K0+484~ Drilling for blast 19:30Hrs~22:00Hrs Charging 00:30Hrs~2:30Hrs (Explosive used = 250kg) Blast at 2:45Hrs Mucking and scaling 3:15Hrs~7:00Hrs Outlet EL.861~ Drilling for rock bolts 7:30Hrs~17:30Hrs</p>	<p>K0+484. ~ Mucking & Scaling 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Geological Mapping 12:30Hrs~13:00Hrs Execution of 1st layer shotcrete 13:30Hrs~14:40Hrs K0+488.5~ Survey for blast 16:30Hrs~17:00Hrs Drilling for 17:00Hrs~22:00Hrs Charging 22:30Hrs~00:05Hrs Blast 00:10Hrs Excavation & Mucking 00:45Hrs~6:30Hrs</p>	<p>K0+488.5~ Excavation & Mucking 7:00Hrs~8:30Hrs Geological Mapping 8:40Hrs~9:00Hrs Execution of 1st layer shotcrete 9:10Hrs~9:50Hrs K0+491.5~ Survey for blast 10:40Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Drilling for blast 12:30Hrs~16:30Hrs Charging for blast 16:30Hrs~18:00Hrs Blast 20:30Hrs Excavation & Mucking 21:00Hrs~2:00Hrs Geological Mapping 2:00Hrs~2:30Hrs 1st Layer shotcrete(8m3) 5:00Hrs~6:00Hrs K0+452~ Fixing of wire mesh 7:30Hrs~9:00Hrs outlet EL.857~861 Drilling for Rock bolts 7:30Hrs~16:00Hrs</p>	<p>K0+484-0+496 Drilling for Rock bolts 7:30Hrs~15:30Hrs Arrangement for Grouting 18:00Hrs~19:00Hrs Grouting & Installation of Rock bolts 20:00Hrs~00:30Hrs 54 pieces installed K0+496~ Survey for blast 15:30Hrs~16:00Hrs Drilling for blast 19:30Hrs~23:00Hrs Charging 23:00Hrs~1:00Hrs Blast 2:00Hrs Outlet EL.857~861 Drilling for Rock bolts 7:30Hrs~14:30Hrs</p>	<p>K0+498~ Survey for blast 00:00Hrs~00:30Hrs Drilling for blast 1:00Hrs~6:00Hrs K0+496~ Excavation & Mucking 13:00Hrs~18:00Hrs Geological Mapping 22:30Hrs~23:00Hrs (Q value=1.83) Execution of 1st layer shotcrete (8m3) 23:20Hrs~00:00Hrs Outlet EL.857~859 Drilling for Rock bolts 15:00Hrs~17:00Hrs</p>
Uchar New Crushing plant	<p>Retaining wall No. 3, 5 & 8 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No. 3 & 5 Back filling 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Back filling 12:30Hrs~17:30Hrs Stone masonry 19:30Hrs~5:30Hrs Foundation gallery near stock piles Installation of reinforcement 7:30Hrs~17:30Hrs</p>	<p>Retaining wall No. 8 Backfilling 7:30Hrs~6:30Hrs Stone masonry 20:00Hrs~4:30Hrs Retaining wall No. 3 & 5 Stone masonry 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs Foundation gallery near stock piles Installation of reinforcement 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs Crushing plant area Breaking of stones with jack hammer 20:00Hrs~5:30Hrs Workshop No.3 (Sand and fine aggregate) Stone hacking with jack hammer 7:30Hrs~17:30Hrs Installation of scaffolding 7:30Hrs~17:30Hrs</p>	<p>Retaining wall No. 3 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Backfilling 20:00Hrs~5:00Hrs Retaining Wall No.4 No Work 7:00Hrs~7:00Hrs Retaining Wall No.5 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Backfilling 12:30Hrs~17:30Hrs Retaining wall No. 1 No Work 7:00Hrs~7:00Hrs Retaining wall No. 8 No Work 7:00Hrs~7:00Hrs Foundation Gallery 1</p>	<p>Retaining wall No. 8 Stone masonry 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry 12:30Hrs~17:30Hrs Retaining wall No. 3 & 5 Back filling 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Back filling 12:30Hrs~17:30Hrs Backfilling 20:00Hrs~4:00Hrs Foundation gallery near stock piles Fixing of scaffolding 7:30Hrs~17:30Hrs</p>	<p>No Work</p>

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	Removing of formwork 20:00Hrs~5:30Hrs Crushing plant area Installation of reinforcement 7:30Hrs~17:30Hrs Batching plant area Excavation 20:00Hrs~5:30Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 (Sand and fine aggregate) Fixing of formwork 20:00Hrs~5:30Hrs Workshop No. 2 (Sand and fine aggregate) Installation of reinforcement 20:00Hrs~5:30Hrs Uchar Nalluh Side Drilling for shallow hole blasting 7:30Hrs~17:30Hrs Breaking of stones with jack hammer 7:30Hrs~17:30Hrs	Workshop No.1 & 2 (Sand and fine aggregate) Fixing of formwork 20:00Hrs~5:30Hrs Uchar Nalluh Side Excavation 10:00Hrs~14:30Hrs Processing system Excavation 7:30Hrs~17:30Hrs	No Work 7:00Hrs~7:00Hrs Gallery foundation 2 No Work 7:00Hrs~7:00Hrs Crush plant sand storage yard foundation and workshop 1,2 & 3 foundation Steel Fixing at workshop No. 1& 3 7:30Hrs~17:30Hrs Formwork removal & Steel Fixing at workshop No.2 7:30Hrs~17:30Hrs Uchar Nalluh Road Excavation & Mucking 7:30Hrs~15:00Hrs	Excavation of part No.5 and 6 20:00Hrs~5:30Hrs Crushing plant area No Work 7:00Hrs~7:00Hrs Workshop No.3 (Sand and fine aggregate) Stone hacking with jack hammer 7:30Hrs~17:30Hrs Installation of reinforcement and fixing of scaffolding 20:00Hrs~5:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of formwork and scaffolding 20:00Hrs~5:30Hrs Uchar Nalluh Side No Work 7:30Hrs~17:30Hrs Processing system Excavation and mucking 20:00Hrs~5:30Hrs	
Cable crane foundation (Right Bank)	EL. K1+074~1+067 Drilling for rock bolts 7:00Hrs~17:00Hrs	Drilling for Rock Dowels 9:00Hrs~17:30Hrs	No Work	No Work	No Work
Kass Camp	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs White washing (Painting) 7:30Hrs~17:30Hrs Open fitting of electricity 7:30Hrs~17:30Hrs Installation of edge protection 7:30Hrs~17:30Hrs Removing formwork from personal staff dormitory 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	PK-Block Section B No Work 7:00Hrs~17:30Hrs PK-Block Section C No Work 7:30Hrs~17:30Hrs FC-Block White washing (painting) 7:30Hrs~17:30Hrs Chinese Block Section D White washing (Painting) 7:30Hrs~17:30Hrs Chinese personal staff dormitory Section C Installation of sewage pipelines 7:30Hrs~17:30Hrs Chinese personal staff dormitory Section B Stone masonry 7:30Hrs~17:30Hrs Project leadership dormitory Section A Stone masonry 7:30Hrs~17:30Hrs Water Tank No work 7:30Hrs~17:30Hrs Boundary Wall Making of pre-cast concrete slab 7:30Hrs~17:30Hrs Wash Rooms Brick masonry 7:30Hrs~17:30Hrs Road side Stone masonry 7:30Hrs~17:30Hrs Excavation, Leveling & Dumping 7:30Hrs~17:30Hrs	Making of pre-cast concrete slabs for boundary walls 7:30Hrs~17:30Hrs Making of stone masonry for project leadership dormitory & personal staff dormitory 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hr~17:00Hrs Installation of windows 7:30Hrs~16:00Hrs Backfilling at personal staff dormitory 10:00Hrs~14:00Hrs	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs Casting of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory 7:30Hrs~17:30Hrs
CR-5-2 / LU-2	No Work	No Work	No Work	No Work	No Work

Date/Day Location	11 Monday	12 Tuesday	13 Wednesday	14 Thursday	15 Friday
Diversion Tunnel A INLET	Roof Slab No Work 7:00Hrs~17:30Hrs Fixing of scaffolding for roof slab 20:00Hrs~4:30Hrs Middle pier K0+002.3~0-035 No work 7:00Hrs~7:00Hrs Left wall and right wall No Work 7:00Hrs~7:00Hrs Part No.1	Roof Slab No Work 7:00Hrs~7:00Hrs Middle pier K0+002.3~0-035 No work 7:00Hrs~7:00Hrs Left wall and right wall No Work 7:00Hrs~7:00Hrs Part No.1	Roof Slab No Work 7:00Hrs~7:00Hrs Middle pier K0+002.3~0-035 No work 7:00Hrs~7:00Hrs Left wall and right wall No Work 7:00Hrs~7:00Hrs Part No.4	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs Part No. 2 and 3	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs

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	No Work 7:00Hrs~7:00Hrs Part No.1 No Work 7:00Hrs~7:00Hrs Part No. 2 Steel Fixing 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs	No Work 7:00Hrs~7:00Hrs Part No. 2 Steel Fixing 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs	Fixing of scaffolding for crown 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs Part No. 2 & 3 Steel Fixing 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs	Fixing of reinforcement bars 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement bars 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	
Diversion Tunnel A UNDER GROUND	Right Side K0+240~K0+240 Cleaning of rock surface for lean (leveling) concrete 7:30Hrs~17:30Hrs Right Side K0+320~K0+360 invert cleaning for lean(leveling) concrete 23:30Hrs~5:00Hrs Right Side K0+140~K0+180 invert cleaning for lean(leveling) concrete 19:30Hrs~23:30Hrs INVERT D/S Right Side K0+873~K0+861 Finishing of concrete surface 9:00Hrs~15:00Hrs Right Side K0+825~K0+837 Finishing of concrete surface 7:00Hrs~13:00Hrs Right Side K0+720~K0+750 Cleaning surface for invert 1m concrete 7:30Hrs~17:30Hrs Right Side K0+765~K0+753 Fixing of Formwork 7:30Hrs~15:30Hrs Right Side K0+825~K0+813 Cleaning of surface for invert 1m concrete 7:30Hrs~18:00Hrs Pouring of concrete 19:00Hrs~1:40Hrs Quantity poured(A- 25/50mm)=132m3 Finishing of concrete surface 2:00Hrs~7:00Hrs Right Wall + center K1+430~K1+420 3rd lift Excavation & Mucking 7:30Hrs~17:30Hrs	Right Side K0+240~K0+280 No Work 7:00Hrs~17:30Hrs Invert cleaning for lean (leveling) concrete 20:00Hrs~23:00Hrs Pouring of concrete 23:00Hrs~3:00Hrs Quantity Poured (C- 20)=80m3 Right Side K0+320~K0+360 invert cleaning for lean(leveling) concrete 7:30Hrs~17:30Hrs Pouring of concrete 5:30Hrs~7:00Hrs Quantity=40m3 continue... Right Side K0+140~K0+180 No Work 7:00Hrs~7:00Hrs INVERT D/S Right Side K0+741~K0+729 Fixing of Formwork & cleaning 7:30Hrs~17:30Hrs Pouring of concrete 5:45Hrs~7:00Hrs Quantity=40m3 continue... Right Side K0+789~K0+777 Cleaning for 1m invert concrete 7:30Hrs~12:00Hrs Pouring of concrete 12:20Hrs~18:00Hrs Quantity poured (A- 25/50mm)=120m3 Finishing of concrete surface 18:00Hrs~5:00Hrs Right Side K0+765~K0+753 Pouring of concrete 7:30Hrs~10:30Hrs Quantity poured (A- 25/50mm)=134m3 Finishing of concrete surface 10:30Hrs~17:30Hrs Right Side K0+849~K0+837 Cleaning for invert 1m concrete 19:30Hrs~00:30Hrs Pouring of concrete 00:40Hrs~5:30Hrs Right Wall + center K1+430~K1+440 3rd lift Drilling for blast 7:30Hrs~12:00Hrs Charging for blast 15:00Hrs~17:00Hrs Blast 17:10Hrs Excavation & Mucking 20:00Hrs~6:00Hrs Quantity poured (A- 25/50mm)=130m3 Finishing of concrete surface 5:30Hrs~7:00Hrs	Right Side K0+140~K0+180 No Work 7:00Hrs~17:30Hrs Invert cleaning for lean(leveling) concrete 23:00Hrs~5:30Hrs INVERT D/S Right Side K0+741~K0+729 Pouring of concrete 7:00Hrs~13:30Hrs Quantity Poured (A- 25/50mm)=130m3 Finishing of concrete surface 13:30Hrs~4:00Hrs Right Side K0+789~K0+801 Cleaning for 1m invert concrete 7:30Hrs~17:30Hrs Cleaning for invert 1m concrete 20:00Hrs~6:00Hrs Pouring of concrete 6:10Hrs~7:00Hrs Quantity Poured (A- 25/50mm) =20m3 continue... Right Side K0+765~K0+753 Formwork Removal 9:30Hrs~14:00Hrs Right Side K0+717~K0+705 Cleaning & Fixing of Formwork 7:30Hrs~15:00Hrs Right Wall + center K1+440~K1+450 3rd lift No Work 7:00Hrs~17:30Hrs Drilling for blast 23:00Hrs~2:40Hrs	K0+140~0+180 Invert cleaning for lean concrete 19:30Hrs~06:30Hrs Right side K0+180~0+240 Drilling for blast 00:00Hrs~01:30Hrs charging for blast 01:30Hrs~02:25Hrs Blast 02:30Hrs INVERT D/S Right Side K0+765~0+777 Cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Pouring of concrete 22:45Hrs~03:45Hrs Quantity poured (A- 25/50mm) = 127m3 Right Side K0+741~0+753 Cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Pouring of 1m invert concrete 16:50Hrs~19:00Hrs Continue Pouring of concrete 19:00Hrs~22:30Hrs Quantity poured (A- 25/50mm) = 130m3 Right Side K0+705~0+717 Formwork fixing and cleaning for 1m invert concrete 07:30Hrs~16:00Hrs Right Side K0+909~0+921 Formwork fixing and cleaning for 1m invert concrete 07:30Hrs~11:00Hrs Right Side K0+681~0+693 Concrete stopped 07:30Hrs~11:30Hrs Concrete stopped for testing because concrete was not approved Right and Left wall K1+420~K1+440 No work 07:30Hrs~17:30Hrs Excavation and mucking 20:00Hrs~22:00Hrs K1+440~K1+450 Drilling for blast 22:00Hrs~01:30Hrs Charging for blast 01:30Hrs~02:30Hrs Blast 02:35Hrs Excavation and mucking 03:00Hrs~06:30Hrs	No work 07:30Hrs~17:30Hrs Right side K0+180~0+210 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Invert cleaning for lean concrete 20:30Hrs~06:30Hrs Right side K0+210~0+240 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Invert cleaning for lean concrete 20:30Hrs~06:30Hrs INVERT D/S Right Side K0+669~0+657 Cleaning for 1m invert concrete 07:30Hrs~17:30Hrs Right Side K0+645~0+657 Fixing of formwork and cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork and cleaning for 1m invert concrete 12:30Hrs~17:30Hrs Right Side K0+705~0+717 Cleaning and arrangements for 1m invert concrete 07:30Hrs~11:30Hrs Pouring of 1m concrete 11:50Hrs~18:10Hrs Quantity poured (A- 25/50mm) = 130m3 Finishing of concrete surface 19:30Hrs~05:00Hrs Right Side K0+681~0+693 Pouring of 1m concrete 18:20Hrs~00:30Hrs Quantity poured (A- 25/50mm) = 130m3 Finishing of concrete surface 00:30Hrs~07:00Hrs
Diversion Tunnel B Inlet Portal	Roof Slab Fixing of scaffolding for slab 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs	Roof Slab Fixing of steel 7:30Hrs~17:30Hrs Fixing of steel 20:00Hrs~5:30Hrs	Roof Slab Fixing of scaffolding 7:30Hrs~17:30Hrs Shifting of scaffolding pipes 20:00Hrs~5:30Hrs	Roof Slab Shifting and fixing of scaffolding for roof slab 07:30Hrs~11:30Hrs	Roof Slab Fixing of scaffolding for the roof slab Part No. 2 & 3 (Crown Portion) Install

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	Middle pier K0+002.3-0-035 No work 7:00Hrs-7:00Hrs Left and right side No Work 7:00Hrs-7:00Hrs	Middle pier K0+002.3-0-035 No work 7:00Hrs-7:00Hrs Left and right side No Work 7:00Hrs-7:00Hrs Part No. 2,3 Right and Left wall Fixing of concrete pipes 7:30Hrs-17:00Hrs Welding of steel bars 7:30Hrs-17:30Hrs	Middle pier K0+002.3-0-035 No work 7:00Hrs-7:00Hrs Left and right side No Work 7:00Hrs-7:00Hrs	Lunch break 11:30Hrs-12:30Hrs Shifting and fixing of scaffolding for roof slab 12:30Hrs-17:30Hrs Shifting and fixing of scaffolding for roof slab 19:30Hrs-05:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-17:30Hrs Left and right side Fixing of scaffolding 7:30Hrs-17:30Hrs Fixing of scaffolding 19:30Hrs-05:30Hrs Part No.2 and 3 Right and Left wall Fixing of formwork 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of formwork 12:30Hrs-17:30Hrs No work 19:30Hrs-06:30Hrs	and fixing of reinforcement bars Install and fixing of reinforcement bars Fixing of concrete pipes for the crown portion
Diversion Tunnel B UNDER GROUND	Right Side K0+350-K0+362 (Volume=12m*10m*1m) Pouring of concrete 9:20Hrs-18:00Hrs Quantity poured (A-25/50mm)=120m3 Finishing of concrete surface 19:30Hrs-23:30Hrs K0+130-K0+170 Invert cleaning for lean (leveling) concrete 7:30Hrs-17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs-5:30Hrs Left Side K0+150-0+180 Excavation with Jack Hammer 7:30Hrs-16:00Hrs No Work 19:00Hrs-7:00Hrs Shear zone area Part No.01 No Work 7:00Hrs-7:00Hrs Part No 2 No Work 7:00Hrs-7:00Hrs Part No 3 Right side and left side Fixing of scaffolding for crown 7:30Hrs-17:30Hrs Fixing of scaffolding for crown 20:00Hrs-5:00Hrs Part No.4 Left Wall Fixing of Formwork 13:00Hrs-18:00Hrs Pouring of concrete 21:40Hrs-7:00Hrs Quantity poured (A-25)=70m3 Part No.5 No work 7:30Hrs-17:00Hrs Left wall & Right Wall K1+240-1+260 Execution of 2nd layer shotcrete 8:00Hrs-14:00Hrs No Work 19:30Hrs-7:00Hrs	K0+130-K0+170 Invert cleaning for lean (leveling) concrete 7:30Hrs-17:30Hrs No Work 19:30Hrs-7:00Hrs Left Side K0+160-0+200 Excavation with Jack Hammer 7:30Hrs-17:00Hrs No Work 19:00Hrs-7:00Hrs Shear zone area Part No.01 No Work 7:00Hrs-7:00Hrs Part No 2 Fixing of scaffolding for crown concrete 7:30Hrs-17:30Hrs No Work 19:00Hrs-7:00Hrs Part No 3 Right side and left side Fixing of scaffolding for crown 7:30Hrs-17:30Hrs Fixing of scaffolding for crown 20:00Hrs-5:30Hrs Part No.4 Left Wall No Work 7:00Hrs-7:00Hrs Part No.5 No work 7:30Hrs-17:00Hrs Invert Right side K0+962-K0+974 Cleaning of surface for invert 1m concrete 7:30Hrs-18:00Hrs Pouring of concrete 18:10Hrs-00:20Hrs Quantity poured (A-25/50mm)=140m3 Finishing of concrete surface 00:20Hrs-7:00Hrs Left Side K1+135-K1+140 Excavation & Mucking 20:00Hrs-5:00Hrs	K0+130-K0+170 No Work 7:00Hrs-17:30Hrs Invert cleaning for lean(leveling) concrete 20:00Hrs-5:30Hrs Left Side K0+160-0+200 No Work 7:00Hrs-7:00Hrs Shear zone area Part No.01 No Work 7:00Hrs-7:00Hrs Part No 2 welding of support bars 7:30Hrs-17:30Hrs No Work 19:00Hrs-7:00Hrs Part No 3 Right side and left side Fixing of scaffolding for crown 7:30Hrs-17:30Hrs Fixing of scaffolding for crown concrete 20:00Hrs-5:30Hrs Part No.4 Left Wall No Work 7:00Hrs-7:00Hrs Part No.5 No work 7:30Hrs-17:00Hrs No Work 7:00Hrs-17:30Hrs Left Side K1+400-Excavation & Mucking 20:00Hrs-23:00Hrs Left Side K1+142.5-Survey for blast 23:00Hrs-23:20Hrs Drilling for blast 23:50Hrs-2:30Hrs	Left side K0+170-0+210 Invert excavation for lean (leveling) concrete 07:30Hrs-17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs-05:30Hrs Left side K0+130-0+170 Invert cleaning for levelling concrete 7:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Invert cleaning for levelling concrete 12:30Hrs-14:00Hrs Pouring of levelling concrete 14:20Hrs-19:40Hrs Total quantity poured 104m3 Shear zone area Part No.01 Fixing of scaffolding pipe for the crown and assembling platform 7:30Hrs-17:30Hrs No work 19:30Hrs-06:30Hrs Part No 2 Fixing of scaffolding pipe for the crown and assembling platform 7:30Hrs-17:30Hrs Fixing of scaffolding pipe for the crown and assembling platform 19:30Hrs-06:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown and assembling platform 7:30Hrs-17:30Hrs Part No.4 No work 07:30Hrs-17:30Hrs Fixing of formwork 19:30Hrs-06:30Hrs Part No.5 No work 07:30Hrs-17:30Hrs Invert No work 07:30Hrs-07:30Hrs No work 07:30Hrs-17:30Hrs K1+145.5- No work 07:30Hrs-16:30Hrs Drilling for blast 16:30Hrs-17:45Hrs	Shear zone area Part No.01 Fixing of Scaffolding (Crown Portion) Part No 2 No Work Part No 3 No Work Part No.4 No Work Part No.5 Cleaning work Invert K0+770-0+782 Pouring of concrete Total quantity poured = 263.9m3 K0+782-0+794 Cleaning of invert for bedding concrete K0+446-0+458 Finishing of concrete Left side K0+434-0+446 Pouring of concrete Total Quantity poured 130m3 Shotcrete applied in cavity Quantity = 5.6m3

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				Charging for blast 17:50Hrs~16:30Hrs Blast 16:45Hrs Excavation and mucking 20:00Hrs~23:30Hrs K1+150~ Drilling for blast 23:30Hrs~01:40Hrs Charging for blast 01:40Hrs~02:30Hrs Blast 02:35Hrs Excavation and mucking 03:30Hrs~06:30Hrs	
Traffic Diversion Tunnel	K0+498~ Drilling for blast 7:00Hrs~8:30Hrs Charging 9:00Hrs~11:40Hrs Blast 11:50Hrs Excavation & Mucking 12:00Hrs~18:00Hrs Execution of 1st Layer shotcrete 18:00Hrs~19:00Hrs K0+498-K0+500.7 Execution of 1st layer shotcrete 20:00Hrs~21:00Hrs K0+500.7~ Survey for blast 21:30Hrs~22:00Hrs Drilling for blast 22:00Hrs~1:00Hrs Charging 1:00Hrs~4:00Hrs Blast 4:15Hrs Outlet EL.857~861 Drilling for Rock bolts 8:30Hrs~14:30Hrs	K0+500.7~ Mucking & Scaling 7:30Hrs~13:00Hrs Drilling for Rock bolts 20:00Hrs~23:00Hrs K0+452-K0+474 Fixing of wire mesh 7:30Hrs~17:30Hrs K0+503.2 Survey for blast 21:00Hrs~21:30Hrs Drilling for blast 23:00Hrs~4:00Hrs Outlet EL.857~861 Drilling for Rock bolts 7:30Hrs~13:30Hrs Grouting & Installation of Rock bolts 13:30Hrs~16:30Hrs Drilling for weep holes 14:00Hrs~16:30Hrs	K0+495-K0+503 Grouting & Installation of Rock bolts 12:30Hrs~14:40Hrs 20 Pieces installed & 4 collapsed K0+503.2 Charging 7:00Hrs~10:30Hrs Blast 10:40Hrs Excavation & Mucking 12:00Hrs~17:30Hrs Excavation & Mucking 23:00Hrs~2:00Hrs Geological mapping 3:00Hrs~3:30Hrs Q Value=1.87 K0+503.2-K0+506.5 Execution of 1st layer shotcrete 4:00Hrs~5:30Hrs K0+452-K0+464 Execution of 2nd layer shotcrete (8m3) 5:30Hrs~7:00Hrs Outlet EL.859~861 Arrangement for shotcrete 7:30Hrs~9:20Hrs Execution of shotcrete 20:30Hrs~12:30Hrs Remaining shotcrete delayed due to shortage of aggregate at cr2 batching plant	K0+452-0+462 Arrangement for 2nd layer of shotcrete 07:30Hrs~08:30Hrs Spraying of 2nd layer of shotcrete 08:40Hrs~12:40Hrs Total quantity 24m3 K0+462~ Fixing of wire mesh 13:00Hrs~17:30Hrs K0+506~ Survey for blast 13:30Hrs~14:00Hrs Drilling for blast 14:30Hrs~17:30Hrs Charging for blast 20:20Hrs~22:00Hrs Blast at 22:08Hrs Mucking and scaling 22:30Hrs~04:30Hrs Geological mapping (Q-value 1.83) = 04:30Hrs~05:00Hrs Outlet EL.858~861 Applied 2nd layer of shotcrete by hand held shotcrete machine 08:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Applied 2nd layer of shotcrete again by hand held shotcrete machine 12:30Hrs~17:00Hrs	K0+420-0+429 Fixing of Wire mesh Applying of 2nd layer of shotcrete (Quantity = 24m3) K0+435~ Fixing of Wire mesh K0+435-0+438 Applying 1st layer of shotcrete Mucking and scaling K0+438~ Drilling for blast Charging Blast at 4:42Hrs (Mucking Outlet El.867.5~865.5 Grouting and install of rock bolts 16 rock bolts installed (L=5m)
Uchar New Crushing plant	Retaining wall No. 5 & 8 No Work 7:00Hrs~7:00Hrs Retaining wall No. 3 & 4 No Work 7:00Hrs~7:00Hrs Foundation gallery near stock piles Steel Fixing 7:30Hrs~17:30Hrs No Work 20:00Hrs~7:00Hrs Crushing Plant Area No Work 7:00Hrs~7:00Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement 7:30Hrs~17:30Hrs Fixing of steel 20:00Hr~5:00Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of scaffolding 7:30Hrs~17:00Hrs Fixing of scaffolding 20:00Hrs~3:30Hrs Uchar Nalluh Side No Work 7:00Hrs~7:00Hrs	Retaining wall No. 5 & 8 No Work 7:00Hrs~7:00Hrs Retaining wall No. 3 & 4 Excavation 7:30Hrs~17:30Hrs Excavation & Mucking 20:00Hrs~23:40Hrs Foundation gallery near stock piles Steel Fixing 7:30Hrs~17:30Hrs Steel Fixing 20:00Hrs~5:30Hrs Crushing Plant Area No Work 7:00Hrs~7:00Hrs Workshop No.3 (Sand and fine aggregate) Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of scaffolding 7:30Hrs~17:00Hrs Fixing of scaffolding 20:00Hrs~3:30Hrs Uchar Nalluh Side No Work 7:00Hrs~7:00Hrs	Retaining wall No. 3, 5 & 8 No Work 7:00Hrs~7:00Hrs Retaining wall No. 3 & 4 Excavation & Mucking 7:30Hrs~17:30Hrs Excavation 20:00Hrs~4:40Hrs Foundation gallery near stock piles Formwork & Steel Fixing 7:30Hrs~17:30Hrs Steel Fixing 20:00Hrs~5:30Hrs Crushing Plant Area No Work 7:00Hrs~7:00Hrs Workshop No.3 (Sand and fine aggregate) Stone hacking with jack hammer 7:30Hrs~17:30Hrs Installation of reinforcement and fixing of scaffolding 7:30Hrs~17:30Hrs Workshop No.1 & 2 (Sand and fine aggregate) Fixing of scaffolding 7:30Hrs~17:00Hrs Uchar Nalluh Side No Work 7:00Hrs~7:00Hrs	Retaining wall No 03 and 04 Excavation and mucking 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Excavation and mucking 7:30Hrs~11:30Hrs Foundation gallery near stock piles Fixing of formwork and reinforcement 07:30Hrs~17:30Hrs Excavation and leveling of part No.5 and 6 20:00Hrs~5:30Hrs	Retaining wall No. 3 Stone masonry Retaining Wall No.4 Stone masonry Retaining Wall No.5 No Work Retaining wall No. 1 Excavation and mucking Retaining wall No. 8 No Work Foundation Gallery 1 No Work Foundation Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop 1,2 & 3 foundation Formwork Fixing for finishing corridor Install of reinforcement of sand vertical workshop Reinforcement and formwork fixing for columns & beams (Sand vertical workshop No.1 and 2) Batching Plant Area Excavation Access road Stone masonry
Cable crane foundation (Right Bank)	No Work	No Work	No Work	No Work	Drilling for Rock Dowels
Kass Camp	Construction of stone masonry retaining wall at RAR-01 road side	Construction of stone masonry retaining wall at RAR-01 road side and	Construction of stone masonry retaining wall at RAR-01 road side and	Construction of stone masonry retaining wall	PK-Block Section B No Work PK-Block Section C

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	and Project leadership dormitory 7:30Hrs~17:30Hrs Excavation, Leveling and Dumping 7:30Hrs~17:30Hrs Installation of windows 7:30Hrs~17:30Hrs Making of pre-cast concrete slab 7:30Hrs~17:30Hrs Backfilling at personal dormitory C 7:30Hrs~17:30Hrs Installation of sewage pipeline 7:30Hrs~17:30Hrs	Project leadership dormitory 7:30Hrs~17:30Hrs Excavation, Leveling and Dumping 7:30Hrs~17:30Hrs Installation of windows 7:30Hrs~17:30Hrs Making of pre-cast concrete slab 7:30Hrs~17:30Hrs Backfilling at personal dormitory C 7:30Hrs~17:30Hrs Installation of sewage pipeline 7:30Hrs~17:30Hrs	Project leadership dormitory 7:30Hrs~17:30Hrs Excavation, Leveling and Dumping 7:30Hrs~17:30Hrs Installation of windows 7:30Hrs~17:30Hrs Making of pre-cast concrete slab for boundary wall 7:30Hrs~17:30Hrs Backfilling & leveling at personal dormitory C 7:30Hrs~17:30Hrs Installation of sewage pipeline system7:30Hrs~17:30Hrs	dormitory 7:30Hrs~17:30Hrs 7:30Hrs~19:00Hrs Making the drain channel for personal staff dormitory 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast Slabs 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	No Work FC-Block White washing (painting) Chinese Block Section D White washing (Painting) Chinese personal staff dormitory Section C Install of sewage pipelines Chinese personal staff dormitory Section B Stone masonry Project leadership dormitory Section D Install of Pre-cast concrete rooms (3rd floor) Water Tank No work Boundary Wall Making of pre-cast concrete slab Wash Rooms Brick masonry Road side Stone masonry Making of Pre-cast concrete slabs and install of reinforcement to make the slabs
CR-5-2 / LU-2	No Work	No Work	No Work	No Work	K0+400~0+480 Charging and blasting Explosive used = 48.6kg Mucking and excavation

Date/Day Location	16 Saturday	17 Sunday	18 Monday	19 Tuesday	20 Wednesday
Diversion Tunnel A INLET	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs Part No. 2 and 3 Fixing of reinforcement for crown portion 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement for crown portion 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs Part No. 2 and 3 Fixing of reinforcement for crown portion 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement for crown portion 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs Part No. 2 and 3 Fixing of reinforcement for crown portion 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement for crown portion 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs Part No. 2 and 3 Fixing of reinforcement for crown portion 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement for crown portion 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	Part No. 2 and 3 Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs
Diversion Tunnel A UNDER GROUND	Right side K0+130~0+160 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Right side K0+180~0+210 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Right side K0+280~0+320 Invert excavation for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert excavation for lean concrete 12:30Hrs~17:30Hrs	Right side K0+130~0+160 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Right side K0+280~0+320 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Right Side K0+561~0+573 and K0+585~0+597 Fixing of formwork for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs	Right side K0+130~0+170 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Right side K0+280~0+320 Invert cleaning for lean concrete 20:30Hrs~06:30Hrs K0+170~0+210 Removing shotcrete from crown portion 20:30Hrs~06:30Hrs INVERT D/S Right Side K0+530~0+561 Cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Cleaning for 1m invert concrete 12:30Hrs~17:30Hrs	INVERT U/S Right side K0+130~0+210 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Right side K0+280~0+320 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Right side K0+210~0+250 Invert excavation for lean concrete 20:30Hrs~04:00Hrs INVERT D/S Right Side K0+513~0+525, K0+537~0+549 Fixing of formwork and cleaning for 1m invert	Right side K0+280~0+320 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~16:30Hrs Pouring of lean concrete 17:00Hrs~22:00Hrs Total quantity poured 92m3 Right side K0+170~0+250 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs K0+205~0+245 Invert cleaning for lean concrete 19:30Hrs~05:30Hrs INVERT D/S

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	<p>Invert cleaning for lean concrete 20:30Hrs-06:30Hrs INVERT D/S Right Side K0+717-0+729 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 11:30Hrs-15:00Hrs Pouring of 1m concrete 15:30Hrs-22:30Hrs Quantity poured (A-25/50mm) = 120m3 Finishing of concrete surface 22:30Hrs-06:00Hrs Right Side K0+657-0+669 Pouring of 1m concrete 09:50Hrs-15:20Hrs Quantity poured (A-25/50mm) = 130m3 Finishing of concrete surface 15:20Hrs-18:30Hrs Finishing of concrete surface 19:30Hrs-04:30Hrs Right Side K0+633-0+645 Fixing of scaffolding and formwork for 1m invert concrete 07:30Hrs-14:30Hrs Right Side K0+681-0+693 Finishing of concrete surface 07:30Hrs-15:00Hrs Right Side K0+609-0+621 Cleaning for 1m invert concrete 20:30Hrs-05:00Hrs No work 7:30Hrs-17:30Hrs K1+455- Excavation and mucking 20:30Hrs-04:30Hrs</p>	<p>Fixing of formwork for 1m invert concrete 12:30Hrs-17:30Hrs Right Side K0+633-0+645, K0+669-0+681, K0+693-0+705 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-17:30Hrs Right Side K0+609-0+621 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-17:00Hrs Pouring of 1m invert concrete 17:00Hrs-00:40Hr Total quantity poured 130m3 Right Side K0+681-0+693, K0+645-0+657 Cleaning for 1m invert concrete 20:30Hrs-05:30Hrs Right Side K0+645-0+633 Pouring of 1m invert concrete 01:00Hrs-06:15Hr Total quantity poured 125m3 Right center K1+455- Excavation and mucking 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Excavation and mucking 11:30Hrs-17:30Hrs Excavation and mucking 20:40Hrs-05:00Hrs</p>	<p>Right Side K0+669-0+681 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-17:30Hrs Pouring of 1m invert concrete 16:25Hrs-22:15Hrs Total quantity poured 130m3 Finishing 1m invert concrete surface 22:15Hrs-06:30Hrs Right Side K0+693-0+705 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-16:00Hrs Pouring of 1m invert concrete 22:15Hrs-04:15Hrs Total quantity poured 130m3 Right Side K0+609-0+621 Finishing 1m invert concrete surface 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Finishing 1m invert concrete surface 12:30Hrs-15:00Hrs Right Side K0+645-0+633 Finishing 1m invert concrete surface 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Finishing 1m invert concrete surface 12:30Hrs-16:00Hrs Removing formwork 22:00Hrs-01:30Hrs Left side K1+350.5, Right side K1+379.5, Survey for blast 08:30Hrs-09:00Hrs Drilling for blast 09:05Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Charging for blast 14:30Hrs-17:00Hrs Excavation and mucking 20:00Hrs-05:00Hrs</p>	<p>concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of formwork and cleaning for 1m invert concrete 12:30Hrs-17:30Hrs cleaning for 1m invert concrete 19:30Hrs-05:00Hrs Right Side K0+597-0+609 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-17:30Hrs Right Side K0+609-0+621 Removing of formwork 08:30Hrs-11:30Hrs Right Side K0+585-0+597 Pouring of 1m invert concrete 18:30Hrs-04:00Hrs Total quantity poured 131.5m3 Left side K1+355, Right side K1+384, Survey for blast 07:30Hrs-08:00Hrs Drilling for blast 09:05Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Drilling for blast 12:30Hrs-13:00Hrs Charging for blast 13:20Hrs-14:30Hrs Blast 14:45 Excavation and mucking 15:00Hrs-18:30Hrs Left side K1+359, Right side K1+388, Survey for blast 19:30Hrs-20:00Hrs Drilling for blast 20:00Hrs-22:30Hrs Charging for blast 22:30Hrs-23:40Hrs Blast 23:50 Excavation and mucking 00:10Hrs-06:30Hrs</p>	<p>Right Side K0+460-0+500 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-17:30Hrs Right Side K0+561-0+573, K0+573-0+585, K0+621-0+633 Cleaning for 1m invert concrete 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Cleaning for 1m invert concrete 12:30Hrs-17:30Hrs Right Side K0+585-0+597 Finishing of concrete surface 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Finishing of concrete surface 12:30Hrs-15:30Hrs Right Side K0+513-0+525 Arrangements for 1m invert concrete pouring 07:30Hrs-10:00Hrs Pouring of 1m invert concrete pouring 10:10Hrs-16:35Hrs Total quantity poured 130m3 Finishing of concrete surface 16:35Hrs-19:00Hrs Finishing of concrete surface 19:30Hrs-06:00Hrs Right Side K0+561-0+573 Left side K1+430- K1+445 Excavation and mucking 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Excavation and mucking 12:30Hrs-17:30Hrs Excavation and mucking 19:30Hrs-05:30Hrs</p>
Diversion Tunnel B Inlet Portal	<p>Roof Slab Fixing of scaffolding and formwork for roof slab 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding and formwork for roof slab 12:30Hrs-17:30Hrs Shifting of scaffolding for roof slab 19:30Hrs-05:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-17:30Hrs Left and right side Fixing of scaffolding 7:30Hrs-17:30Hrs Shifting of scaffolding 19:30Hrs-05:30Hrs</p>	<p>Roof Slab Fixing of scaffolding and formwork for roof slab 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding and formwork for roof slab 12:30Hrs-17:30Hrs Shifting and fixing of scaffolding for roof slab 19:30Hrs-05:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-07:30Hrs Left and right side No work 7:30Hrs-07:30Hrs</p>	<p>Roof Slab Fixing of scaffolding and formwork for roof slab 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding and formwork for roof slab 12:30Hrs-17:30Hrs No work 19:30Hrs-07:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-07:30Hrs Left and right side No work 7:30Hrs-07:30Hrs Part No.2 and 3 Right and Left wall Fixing of steel 07:30Hrs-11:30Hrs</p>	<p>Roof Slab Fixing of scaffolding and formwork for roof slab 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding and formwork for roof slab 12:30Hrs-17:30Hrs Fixing of scaffolding and formwork for roof slab 19:30Hrs-05:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-07:30Hrs Left and right side No work 7:30Hrs-07:30Hrs Part No.2 and 3 Right and Left wall Fixing of steel 07:30Hrs-11:30Hrs</p>	<p>Roof Slab Fixing of scaffolding and formwork for roof slab 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding and formwork for roof slab 11:30Hrs-12:30Hrs Fixing of scaffolding and formwork for roof slab 12:30Hrs-17:30Hrs Fixing of scaffolding and formwork for roof slab 19:30Hrs-05:30Hrs Middle pier K0+002.3-0-035 No work 7:30Hrs-07:30Hrs Right side Fixing of scaffolding and formwork 07:30Hrs-11:30Hrs</p>

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	Part No.2 and 3 Right and Left wall No work 07:30Hrs~17:30Hrs No work 19:30Hrs~06:30Hrs		Lunch break 11:30Hrs~12:30Hrs Fixing of steel 12:30Hrs~17:30Hrs No work 19:30Hrs~06:30Hrs	Lunch break 11:30Hrs~12:30Hrs Fixing of steel 12:30Hrs~17:30Hrs No work 19:30Hrs~06:30Hrs	Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding and formwork 12:30Hrs~17:30Hrs
Diversion Tunnel B UNDER GROUND	Left side K0+170~0+210 Invert excavation for lean (leveling) concrete 07:30Hrs~17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs~05:30Hrs Left side K0+093.5~0+105.5 Drilling for anchor bars for invert concrete 20:30Hrs~03:30Hrs Grouting of anchor bars for invert concrete 04:30Hrs~06:15Hrs Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 No work 07:30Hrs~07:30Hrs Part No.5 No work 07:30Hrs~07:30Hrs Invert No work 07:30Hrs~07:30Hrs Right side K1+154~K1+170 Excavation and mucking 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Excavation and mucking 12:30Hrs~17:30Hrs Right side K1+160~Drilling for blast 20:30Hrs~02:30Hrs No work 02:30Hrs~7:30Hrs	Left side K0+170~0+210 Invert excavation for lean (leveling) concrete 07:30Hrs~17:30Hrs Invert cleaning for lean (leveling) concrete 19:30Hrs~05:30Hrs Left side K0+093.5~0+105.5 Fixing of formwork for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork and cleaning for 1m invert concrete 12:30Hrs~15:00Hrs Pouring of 1m invert concrete 15:00Hrs~03:20Hrs Total quantity poured 130m3 Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 Pouring of concrete at right wall 23:00Hrs~04:00Hrs Total quantity poured 63m3 Part No.5 No work 07:30Hrs~07:30Hrs Invert No work 07:30Hrs~07:30Hrs Right side K1+160~Drilling for blast 08:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Drilling for blast 12:30Hrs~17:30Hrs	Left side K0+170~0+210 Invert excavation and cleaning for lean (leveling) concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert excavation and cleaning for lean (leveling) concrete 19:30Hrs~05:30Hrs Left side K0+093.5~0+105.5 Finishing of 1m invert concrete surface 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Finishing of 1m invert concrete surface 12:30Hrs~15:00Hrs K0+105.5~0+117.5 Invert cleaning for lean (leveling) concrete 19:30Hrs~05:30Hrs Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 No work 07:30Hrs~17:30Hrs Removing formwork from right wall 21:30Hrs~04:30Hrs Part No.5 No work 07:30Hrs~07:30Hrs Invert No work 07:30Hrs~07:30Hrs Right side K1+170~K1+180 Drilling for blast 07:45Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Drilling for blast 12:30Hrs~15:00Hrs Right side K1+160~K1+170 Excavation and mucking 07:30Hrs~17:30Hrs Excavation and mucking 20:30Hrs~05:30Hrs	Left side K0+105.5~0+117.5 Pouring of 1m invert concrete 05:45Hrs~12:05Hrs Total quantity poured 135m3 Left side K0+117.5~0+129.5 Grouting of rock dowels for 1m invert concrete 14:00Hrs~17:30Hrs Left side K0+170~0+210 Invert cleaning for lean (leveling) concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean (leveling) concrete 12:30Hrs~17:00Hrs Arrangements for pouring of lean (leveling) concrete 19:30Hrs~20:30Hrs Pouring of lean (leveling) concrete 20:40Hrs~02:00Hrs Total quantity poured 96m3 Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 No work 07:30Hrs~17:30Hrs Curing of concrete 21:00Hrs~22:00Hrs Part No.5 No work 07:30Hrs~07:30Hrs Invert No work 07:30Hrs~07:30Hrs Right side K1+170~K1+180 Drilling for blast 07:30Hrs~12:45Hrs Right side K1+160~K1+170 Excavation and mucking 07:30Hrs~17:30Hrs Excavation and mucking 20:30Hrs~05:30Hrs	Left side K0+117.5~0+129.5 Invert cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for 1m invert concrete 12:30Hrs~16:00Hrs Arrangements for pouring of 1m invert concrete 16:00Hrs~16:40Hrs Pouring of 1m invert concrete 16:45Hrs~21:50Hrs Total quantity poured 120m3 Left side K0+210~0+240 Invert excavation and cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert excavation and cleaning for lean concrete 12:30Hrs~17:30Hrs Shear zone area Part No.01 Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 No work 07:30Hrs~17:30Hrs Curing of concrete 21:00Hrs~22:00Hrs Part No.5 No work 07:30Hrs~07:30Hrs Invert No work 07:30Hrs~07:30Hrs Centre K1+170~K1+180 Charging for blast 10:20Hrs~11:50Hrs Blast 11:50Hrs

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					Excavation and mucking 20:30Hrs-05:30Hrs
Traffic Diversion Tunnel Portal	K0+503-0+512 Drilling for Rock bolts 09:00Hrs-12:00Hrs Arrangements for grouting of Rock bolts 19:30Hrs-20:30Hrs Grouting of Rock bolts 20:30Hrs-23:30Hrs Total 44 pcs grouted and installed K0+472- Fixing of wire mesh 08:30Hrs-17:30Hrs K0+512- Survey for blast 07:50Hrs-08:20Hrs Drilling for blast 01:30Hrs-18:00Hrs Charging for blast 23:40Hrs-01:50Hrs Blast at 02:05Hrs Mucking and scaling 02:30Hrs-07:00Hrs Outlet EL.859-857 No work 07:30Hrs-10:00Hrs Drilling for blast 10:30Hrs-12:00Hrs Lunch break 12:30Hrs-01:30Hrs Charging for blast 14:30Hrs-15:20Hrs Blast at 15:40Hrs Excavation and mucking 16:00Hrs-17:00Hrs	K0+512-0+514 Arrangements for 1st layer of shotcrete 07:30Hrs-0:30Hrs 1st layer of shotcrete 10:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs K0+472- Fixing of wire mesh 08:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of wire mesh 12:30Hrs-17:30Hrs K0+514- Survey for blast 07:30Hrs-20:00Hrs Drilling for blast 20:00Hrs-01:00Hrs Charging for blast 01:00Hrs-03:00Hrs Blast at 03:13Hrs Mucking and scaling 03:30Hrs-05:30Hrs	K0+515- Mucking and scaling 08:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Mucking and scaling 12:30Hrs-16:00Hrs Mapping(Q value 1.67) 16:10Hrs-16:40Hrs Thickness pins installation 16:45Hrs-17:20Hrs Arrangements for 1st layer of shotcrete 19:30Hrs-20:00Hrs 1st layer of shotcrete 20:17Hrs-20:45Hrs Total quantity 05m3 K0+482-490 2nd layer of shotcrete 20:17Hrs-20:45Hrs Total quantity 27m3 K0+519.7- Survey for blast 00:15Hrs-01:00Hrs Drilling for blast 02:00Hrs-05:30Hrs Outlet EL.859-857 Excavation and mucking 07:30Hrs-17:00Hrs	K0+519.7- Charging for blast 07:30Hrs-09:00Hrs Blast 09:20Hrs Mucking and scaling 10:00Hrs-17:00Hrs K0+519-521.5 Scaling and mapping 20:00Hrs-21:30Hrs K0+497- Fixing of wire mesh 19:30Hrs-01:30Hrs K0+512-519 Drilling for Rock bolts 00:30Hrs-02:30Hrs Grouting of Rock bolts 03:00Hrs-06:30Hrs Total 32 pcs grouted and installed Outlet EL.859-857 Fixing of wire mesh 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of wire mesh 12:30Hrs-17:30Hrs	K0+405-482 Drilling for weep holes 07:30Hrs-09:30Hrs K0+519- Arrangements for 1st layer of shotcrete 09:00Hrs-10:00Hrs 1st layer of shotcrete 10:00Hrs-12:00Hrs Total quantity 08m3 K0+524.5- Surveying for blast 14:15Hrs-14:45Hrs Drilling for blast 15:00Hrs-18:00Hrs Drilling for blast 19:00Hrs-20:40Hrs Charging for blast 21:45Hrs-23:45Hrs Blast 23:53 Excavation and mucking 00:15Hrs-06:00Hrs Outlet EL.859-857 Fixing of wire mesh 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of wire mesh 12:30Hrs-17:30Hrs
Uchar New Crushing plant	Workshop No 02 Fixing of scaffolding and steel 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding and steel 12:30Hrs-17:30Hrs Foundation gallery near stock piles Fixing of scaffolding 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding 12:30Hrs-17:30Hrs Fixing of scaffolding 19:30Hrs-06:30Hrs Foundation gallery No.2 Pouring of concrete 07:30Hrs-14:30Hrs	Workshop No 02 Fixing of scaffolding and steel 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding and steel 12:30Hrs-17:30Hrs Fixing of steel 12:30Hrs-17:30Hrs Foundation gallery near stock piles Fixing of scaffolding 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding 12:30Hrs-17:30Hrs Fixing of scaffolding 19:30Hrs-06:30Hrs Foundation gallery No.2 Pouring of concrete 07:30Hrs-14:30Hrs Retaining wall No.4 Backfilling 20:30Hrs-05:30Hrs	Retaining wall No 01 Fixing of scaffolding 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of scaffolding 12:30Hrs-17:30Hrs Retaining wall No 03 Removing of formwork 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Removing of formwork 12:30Hrs-13:30Hrs Backfilling 20:00Hrs-05:30Hrs Retaining wall No 04 Fixing of formwork 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of formwork 12:30Hrs-16:30Hrs Foundation gallery near stock piles Fixing of scaffolding 19:30Hrs-06:30Hrs Foundation gallery No.2 Fixing of scaffolding 07:30Hrs-14:30Hrs	Retaining wall No 03 Backfilling 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Backfilling 12:30Hrs-13:30Hrs Retaining wall No 04 Fixing of formwork and arrangements for concrete pouring 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Pouring of concrete 13:30Hrs-17:00Hrs Retaining wall No 01 Excavation and mucking 19:30Hrs-05:30Hrs Workshop No.2 Fixing of scaffolding and steel 20:30Hrs-05:30Hrs	Retaining wall No 03,05,08 Stone masonry and also backfilling 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Stone masonry and also backfilling 12:30Hrs-17:30Hrs Workshop No 01 Removing of formwork and scaffolding 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Removing of formwork and scaffolding 13:30Hrs-17:30Hrs Workshop No 02 and 03 Fixing of reinforcement 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Fixing of reinforcement 13:30Hrs-17:30Hrs Fixing of reinforcement 19:30Hrs-06:30Hrs Excavation and mucking at batching plant area 07:30Hrs-17:30Hrs Retaining wall No 01 Excavation and mucking 19:30Hrs-05:30Hrs
Cable crane foundation (Right Bank)	EL. K1+074-1+067 Shifting of Rock bolts and other material 07:30Hrs-11:00Hrs Lunch break 11:30Hrs-12:30Hrs Shifting of Rock bolts and other material 12:30Hrs-17:30Hrs	EL. K1+074-1+067 Shifting of Rock bolts and other material 07:30Hrs-11:00Hrs Lunch break 11:30Hrs-12:30Hrs Shifting of Rock bolts and other material 12:30Hrs-17:30Hrs	EL. K1+074-1+067 Shifting of Rock bolts and other material 07:30Hrs-11:00Hrs Lunch break 11:30Hrs-12:30Hrs Shifting of Rock bolts and other material 12:30Hrs-17:30Hrs	EL. K1+074-1+067 Arrangements for grouting of Rock bolts 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Grouting of Rock bolts 12:30Hrs-17:30Hrs	EL. K1+074-1+067 Making of access road 07:30Hrs-11:30Hrs Lunch break 11:30Hrs-12:30Hrs Making of access road 12:30Hrs-17:30Hrs
Kass Camp	Construction of stone masonry retaining wall	Construction of stone masonry retaining wall at	Construction of stone masonry retaining wall at	Construction of stone masonry retaining wall at	Construction of stone masonry retaining wall

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	at Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs Installation of formwork for levelling concrete at personal staff dormitory section C 7:30Hrs~17:30Hrs	RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	at RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs
CR-5-2 / LU-2	No Work	No Work	No Work	No Work	No Work

Date/Day Location	21 Thursday	22 Friday	23 Saturday	24 Sunday	25 Monday
Diversion Tunnel A INLET	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs Part No. 2 and 3 Fixing of formwork and reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork and reinforcement 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs Part No. 2 and 3 No work 07:30Hrs~07:30Hrs	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 07:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs	Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 19:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs	Roof Slab Fixing and adjustment of formwork 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing and adjustment of formwork 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs Left wall and right wall No work 07:30Hrs~07:30Hrs
Diversion Tunnel A UNDER GROUND	Right side K0+210~0+250 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~16:30Hrs Right side K0+160~0+200 Invert excavation for lean concrete 19:30Hrs~04:30Hrs INVERT D/S Right Side K0+597~0+609 Cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Cleaning for 1m invert concrete 12:30Hrs~17:30Hrs Pouring of 1m invert concrete pouring 17:40Hrs~00:15Hrs Total quantity poured 124m3 Right Side K0+573~0+585	Right side K0+200~0+240 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~16:30Hrs Right side K0+130~0+170 Invert excavation and cleaning for lean concrete 20:00Hrs~05:00Hrs Right side K0+170~0+200 Invert cleaning for lean concrete 19:30Hrs~01:30Hrs INVERT D/S Right Side K0+489~0+501 Pouring of 1m invert concrete pouring 06:00Hrs~14:00Hrs Total quantity poured 130m3	Right side K0+200~0+240 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~16:30Hrs Right side K0+130~0+170 Invert excavation and cleaning for lean concrete 20:00Hrs~05:00Hrs Right side K0+170~0+200 Invert cleaning for lean concrete 19:30Hrs~01:30Hrs INVERT D/S Right Side K0+489~0+501 Pouring of 1m invert concrete pouring 06:00Hrs~14:00Hrs Total quantity poured 130m3 Finishing of concrete surface 14:00Hrs~18:30Hrs Finishing of concrete surface 19:30Hrs~05:30Hrs	INVERT U/S Right side K0+160~0+200 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Right side K0+100~0+160 Invert excavation for lean concrete 20:00Hrs~06:00Hrs INVERT D/S Right Side K0+549~0+561 Finishing of concrete surface 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Finishing of concrete surface 12:30Hrs~17:30Hrs No activity 19:30Hrs~07:30Hrs No pouring of concrete and other cleaning activity due to unavailability of water Downstream 3rd+4th Lift Left wall K1+375~395	INVERT U/S Right side K0+160~0+200 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 07:30Hrs~17:30Hrs Right side K0+120~0+160 Invert excavation for lean concrete using jack hammer 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert excavation for lean concrete using jack hammer 07:30Hrs~17:30Hrs Invert excavation for lean concrete using jack hammer 07:30Hrs~17:30Hrs Right side K0+200~0+240 Pouring of lean concrete 17:30Hrs~23:20Hrs Total quantity poured 154m3 INVERT D/S No activity 07:30Hrs~07:30Hrs

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	<p>Fixing of formwork 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Cleaning for 1m invert concrete 12:30Hrs~17:30Hrs Right Side K0+573~0+561 Finishing of concrete surface 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Finishing of concrete surface 12:30Hrs~15:30Hrs Right Side K0+537~0+549 Finishing of concrete surface 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Finishing of concrete surface 12:30Hrs~17:30Hrs Right Side K0+447~0+459, K0+489~0+501, Fixing of formwork for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork for 1m invert concrete 12:30Hrs~17:30Hrs Right Side K0+465~0+477 Cleaning for 1m invert concrete 19:30Hrs~02:00Hrs Pouring of 1m invert concrete pouring 02:10Hrs~06:30Hrs Total quantity poured 130m3 Right side K1+130~ Excavation and mucking 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Excavation and mucking 12:30Hrs~17:30Hrs 3rd and 4th Lift Right side K1+340~373 4th Lift Left side K1+340~370 1st layer shotcrete 19:30Hrs~01:30Hrs Total quantity 32m3 Left side K1+430~444 Drilling for blast 01:00Hrs~06:00Hrs</p>	<p>Finishing of concrete surface 14:00Hrs~18:30Hrs Finishing of concrete surface 19:30Hrs~05:30Hrs Right Side K0+465~0+577, K0+597~0+609 Finishing of concrete surface 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Finishing of concrete surface 12:30Hrs~17:00Hrs Right Side K0+621~0+633 Cleaning for 1m invert concrete 19:30Hrs~04:00Hrs Pouring of 1m invert concrete pouring 04:00Hrs~07:00Hrs 40m3 poured and still continue Right Side K0+585~0+573 Fixing of formwork and Cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork and Cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork and Cleaning for 1m invert concrete 12:30Hrs~17:30Hrs Cleaning for 1m invert concrete 19:30Hrs~23:00Hrs Pouring of 1m invert concrete pouring 23:00Hrs~06:00Hrs Total quantity poured 130m3 Right side K1+430~444 Drilling for blast 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Drilling for blast 12:30Hrs~15:00Hrs Charging for blast 15:00Hrs~17:10Hrs Blast 17:20 Excavation and mucking 18:00Hrs~19:00Hrs Excavation and mucking 20:00Hrs~05:30Hrs</p>	<p>Right Side K0+465~0+577, K0+597~0+609 Finishing of concrete surface 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Finishing of concrete surface 12:30Hrs~17:00Hrs Right Side K0+621~0+633 Cleaning for 1m invert concrete 19:30Hrs~04:00Hrs Pouring of 1m invert concrete pouring 04:00Hrs~07:00Hrs 40m3 poured and still continue Right Side K0+585~0+573 Fixing of formwork and Cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork and Cleaning for 1m invert concrete 12:30Hrs~17:30Hrs Cleaning for 1m invert concrete 19:30Hrs~23:00Hrs Pouring of 1m invert concrete pouring 23:00Hrs~06:00Hrs Total quantity poured 130m3 Right side K1+430~444 Drilling for blast 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Drilling for blast 12:30Hrs~15:00Hrs Charging for blast 15:00Hrs~17:10Hrs Blast 17:20 Excavation and mucking 18:00Hrs~19:00Hrs Excavation and mucking 20:00Hrs~05:30Hrs</p>	<p>Excavation and mucking 11:00Hrs~17:30Hrs Right wall K1+375~395 Survey for blast 12:00Hrs~12:30Hrs Drilling for blast 12:30Hrs~17:30Hrs K1+340~390 Arrangements for grouting of rock bolts 20:00Hrs~21:30Hrs Grouting of rock bolts 21:30Hrs~04:00Hrs Total 79 pcs grouted and installed 10 pcs collapsed on right wall and 02 pcs collapsed on left wall Centre K1+440~450 Survey for blast 20:30Hrs~21:00Hrs Drilling for blast 21:00Hrs~04:30Hrs Charging for blast 04:30Hrs~06:00Hrs Blast 06:15</p>	<p>No concrete pouring and other cleaning activity due to unavailability of water Downstream 3rd+4th Lift Centre K1+425~435 Excavation and mucking 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Excavation and mucking 12:30Hrs~17:30Hrs Excavation and mucking 19:30Hrs~05:30Hrs</p>
<p>Diversion Tunnel B Inlet Portal</p>	<p>Roof Slab Fixing of scaffolding and formwork for roof slab 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding and formwork for roof slab 12:30Hrs~17:30Hrs Fixing of scaffolding and formwork for roof slab 19:30Hrs~05:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~07:30Hrs Left and Right wall Fixing of reinforcement and formwork 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs</p>	<p>Roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~07:30Hrs Right wall Washing and cleaning 07:30Hrs~10:00Hrs Fixing of formwork 10:00Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs Left wall Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs</p>	<p>Roof Slab Fixing of roof Slab No work 07:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~07:30Hrs Right wall Washing and cleaning 07:30Hrs~10:00Hrs Fixing of formwork 10:00Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs Left wall Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs</p>	<p>Roof Slab No work 07:30Hrs~07:30Hrs Fixing of scaffolding 19:30Hrs~05:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~07:30Hrs Right wall No work 19:30Hrs~07:30Hrs Left wall No work 07:30Hrs~07:30Hrs Part No.2 and 3 Right and Left wall No work 07:30Hrs~07:30Hrs</p>	<p>Roof Slab Fixing of formwork 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of formwork 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs Middle pier K0+002.3~0-035 No work 7:30Hrs~07:30Hrs Right wall No work 19:30Hrs~07:30Hrs Left wall Fixing of reinforcement and access making 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs</p>

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	Fixing of reinforcement and formwork 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	Fixing of reinforcement 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs Part No.2 and 3 Right and Left wall Removing of shotcrete from steel arches at crown 07:30Hrs~17:30Hrs Adjustment of scaffolding and formwork 07:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs	Fixing of reinforcement 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs Part No.2 and 3 Right and Left wall Removing of shotcrete from steel arches at crown 07:30Hrs~17:30Hrs Adjustment of scaffolding and formwork 07:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs		Fixing of reinforcement and access making 12:30Hrs~17:30Hrs shifting of reinforcement and access making 19:30Hrs~07:30Hrs Part No.2 and 3 Right and Left wall Fixing of reinforcement at crown portion 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement at crown portion 12:30Hrs~17:30Hrs No work 19:30Hrs~07:30Hrs
Diversion Tunnel B UNDER GROUND	Left side K0+129.5~0+134 Invert cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for 1m invert concrete 12:30Hrs~14:00Hrs Pouring of 1m invert concrete 14:20Hrs~17:10Hrs Total quantity poured 45m3 Finishing of 1m invert concrete 19:30Hrs~05:30Hrs Left side K0+210~0+240 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Left side K0+134~0+146 Fixing of formwork and Invert cleaning for 1m concrete 20:00Hrs~05:30Hrs Left side K0+240~0+250 Excavation and mucking 20:30Hrs~00:30Hrs Shear zone area Part No.01 Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 Right wall No work 07:30Hrs~17:30Hrs grinding and concrete repairing work 20:00Hrs~05:00Hrs Part No.5	Left side K0+134~0+146 Invert cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for 1m invert concrete 12:30Hrs~14:00Hrs Pouring of 1m invert concrete 14:00Hrs~18:45Hrs Total quantity poured 140m3 Finishing of 1m invert concrete 19:30Hrs~05:30Hrs Left side K0+210~0+250 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Invert cleaning for lean concrete 19:30Hrs~05:30Hrs Left side K0+110~0+150 Excavation and mucking 20:30Hrs~01:30Hrs Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 Right wall No work 07:30Hrs~07:30Hrs Centre K1+170~K1+190	Left side K0+134~0+146 Invert cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for 1m invert concrete 12:30Hrs~14:00Hrs Pouring of 1m invert concrete 14:00Hrs~18:45Hrs Total quantity poured 140m3 Finishing of 1m invert concrete 19:30Hrs~05:30Hrs Left side K0+210~0+250 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Invert cleaning for lean concrete 19:30Hrs~05:30Hrs Left side K0+110~0+150 Excavation and mucking 20:30Hrs~01:30Hrs Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 Right wall No work 07:30Hrs~07:30Hrs Part No.5 Excavation and mucking 07:30Hrs~17:30Hrs Left side K1+170~K1+180 Invert Drilling for blast 20:00Hrs~21:00Hrs Charging for blast 21:20Hrs~21:50Hrs Blast 21:56	U/S Left side K0+70~0+100 Excavation and mucking 20:30Hrs~05:30Hrs Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 Right wall No work 07:30Hrs~07:30Hrs Part No.5 No work 07:30Hrs~07:30Hrs Invert K0+370~0+650 No work 07:30Hrs~07:30Hrs Left side K1+180~220 Excavation and mucking 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Excavation and mucking 12:30Hrs~17:30Hrs Excavation and mucking 19:30Hrs~05:30Hrs	U/S Left side K0+52.5~0+090 Invert cleaning for lean concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for lean concrete 12:30Hrs~17:30Hrs Invert cleaning for lean concrete 19:30Hrs~05:30Hrs Left side K0+158~0+170 Invert cleaning for 1m invert concrete 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Invert cleaning for 1m invert concrete 12:30Hrs~17:30Hrs Shear zone area Part No.01 No work 07:30Hrs~07:30Hrs Part No 2 No work 07:30Hrs~07:30Hrs Part No 3 Right side and left side Fixing of scaffolding pipe for the crown concrete 7:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding pipe for the crown concrete 12:30Hrs~17:30Hrs Fixing of scaffolding pipe for the crown concrete 19:30Hrs~06:30Hrs Part No.4 Right wall No work 07:30Hrs~07:30Hrs Part No.5 No work 07:30Hrs~07:30Hrs Invert K0+370~0+650 No work 07:30Hrs~07:30Hrs Left side K1+180~1+190 Excavation and mucking 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Excavation and mucking 12:30Hrs~17:30Hrs Excavation and mucking 19:30Hrs~05:30Hrs

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	No work 07:30Hrs~07:30Hrs Invert No work 07:30Hrs~07:30Hrs Centre K1+170~K1+180 Excavation and mucking 07:30Hrs~17:30Hrs Excavation and mucking 19:30Hrs~07:30Hrs	Excavation and mucking 07:30Hrs~17:30Hrs Left side K1+170~K1+180 Drilling for blast 20:00Hrs~21:00Hrs Charging for blast 21:20Hrs~21:50Hrs Blast 21:56 Excavation and mucking 22:30Hrs~06:00Hrs	Excavation and mucking 22:30Hrs~06:00Hrs		
Traffic Diversion Tunnel Portal	K0+482~ Fixing of wire mesh 08:00Hrs~17:00Hrs Fixing of wire mesh 20:00Hrs~06:00Hrs K0+524~ Installation of thickness pins 08:00Hrs~09:30Hrs Washing of rock surface 09:30Hrs~10:00Hrs 1st layer of shotcrete 10:00Hrs~10:50Hrs Total quantity 08m3 K0+528~ Surveying for blast 11:00Hrs~12:00Hrs Drilling for blast 12:30Hrs~15:30Hrs Charging for blast 16:00Hrs~16:50Hrs Blast 17:08 Excavation and mucking 19:30Hrs~03:00Hrs K0+470~480 Drilling for weep holes 04:30Hrs~06:00Hrs Outlet EL.859~857 Drilling for Rock bolts 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Arrangements for Rock bolts grouting 12:30Hrs~14:00Hrs Grouting for Rock bolts 14:00Hrs~16:00Hrs Total 14 pcs grouted and installed.	K0+528~ Arrangements for 1st layer of shotcrete 07:30Hrs~09:00Hrs 1st layer of shotcrete 09:00Hrs~09:50Hrs K0+482~497 Fixing of wire mesh 08:00Hrs~17:00Hrs Fixing of wire mesh 21:30Hrs~03:30Hrs K0+518~530 Arrangements for grouting of Rock bolts 14:00Hrs~15:00Hrs Grouting of Rock bolts 15:15Hrs~18:00Hrs Total 40pcs grouted and installed. K0+528~K0+531.2 Survey for blast 21:30Hrs~22:00Hrs Drilling for blast 22:30Hrs~02:00Hrs Charging for blast 02:30Hrs~03:20Hrs Blast 03:24 Excavation and mucking 04:00Hrs~06:00Hrs Outlet EL.859~857 fixing of wire mesh 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs fixing of wire mesh 12:30Hrs~14:00Hrs spraying of shotcrete 14:00Hrs~17:00Hrs Total quantity 06m3	K0+528~ Arrangements for 1st layer of shotcrete 07:30Hrs~09:00Hrs 1st layer of shotcrete 09:00Hrs~09:50Hrs K0+482~497 Fixing of wire mesh 08:00Hrs~17:00Hrs Fixing of wire mesh 21:30Hrs~03:30Hrs K0+518~530 Arrangements for grouting of Rock bolts 14:00Hrs~15:00Hrs Grouting of Rock bolts 15:15Hrs~18:00Hrs Total 40pcs grouted and installed. K0+528~K0+531.2 Survey for blast 21:30Hrs~22:00Hrs Drilling for blast 22:30Hrs~02:00Hrs Charging for blast 02:30Hrs~03:20Hrs Blast 03:24 Excavation and mucking 04:00Hrs~06:00Hrs	K0+497~502 Fixing of wire mesh 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of wire mesh 12:30Hrs~17:30Hrs K0+534.5~ Excavation and mucking 20:00Hrs~04:00Hrs Mapping(Q value 1.87) 04:10Hrs~04:40Hrs Outlet No work 04:40Hrs~07:30Hrs EL.859~857 No work 07:30Hrs~17:30Hrs No work due to rain	K0+497~520 Fixing of wire mesh 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of wire mesh 12:30Hrs~17:30Hrs K0+534.5~ Arrangements for spraying of shotcrete 19:30Hrs~23:30Hrs Spraying of 1st layer of shotcrete 00:10Hrs~00:40Hrs Total quantity 08m3 K0+497~515 Spraying of 2nd layer of shotcrete 00:50Hrs~03:30Hrs Total quantity 24m3 Outlet EL.857~855 Excavation and mucking 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Excavation and mucking 12:30Hrs~17:30Hrs
Uchar New Crushing plant	Retaining wall No 03,05,08 Stone masonry and also backfilling 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry and also backfilling 12:30Hrs~17:30Hrs Workshop No 01 Removing of formwork and scaffolding 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Removing of formwork and scaffolding 13:30Hrs~17:30Hrs Workshop No 02 and 03 Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement 13:30Hrs~17:30Hrs Workshop No 02 Fixing of formwork 19:30Hrs~06:30Hrs Retaining wall No 01 Excavation and mucking 19:30Hrs~05:30Hrs Crush plant area breaking stones with jack hammer 20:30Hrs~05:30Hrs	Retaining wall No. 3 and 4 Stone masonry Removing of scaffolding at Retaining wall No.3 Fixing embedded parts of crushing plant 07:30Hrs~17:30Hrs Retaining wall No 03,05,08 Stone masonry and backfilling 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry and backfilling 12:30Hrs~17:30Hrs Workshop No 01 Removing of formwork and scaffolding 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry and backfilling 12:30Hrs~17:30Hrs Workshop No 01 Removing of formwork and scaffolding 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Removing of formwork and scaffolding 13:30Hrs~17:30Hrs Workshop No 02 Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement 13:30Hrs~17:30Hrs Workshop No 03	Fixing embedded parts of crushing plant 07:30Hrs~17:30Hrs Retaining wall No 03,05,08 Stone masonry and backfilling 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry and backfilling 12:30Hrs~17:30Hrs Workshop No 01 Removing of formwork and scaffolding 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Removing of formwork and scaffolding 13:30Hrs~17:30Hrs Workshop No 02 Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement 13:30Hrs~17:30Hrs Workshop No 03 Fixing of scaffolding, formwork and reinforcement for columns 07:30Hrs~11:30Hrs	Fixing embedded parts of crushing plant 07:30Hrs~17:30Hrs Retaining wall No 03,05 Stone masonry and backfilling 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry and backfilling 12:30Hrs~17:30Hrs Workshop No 02 Fixing of reinforcement 19:30Hrs~06:30Hrs Workshop No 03 Fixing of scaffolding, formwork and reinforcement for columns 19:30Hrs~06:30Hrs Retaining wall No 01 Excavation and mucking 19:30Hrs~05:30Hrs Crush plant area Breaking stones with jack hammer 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Breaking stones with jack hammer 12:30Hrs~17:30Hrs	Fixing embedded parts of crushing plant 07:30Hrs~17:30Hrs Retaining wall No 03,05,08 Stone masonry and backfilling 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Stone masonry and backfilling 12:30Hrs~17:30Hrs Workshop No 01 Fixing of embedded parts and safety guard 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of embedded parts and safety guard 12:30Hrs~17:30Hrs Fixing of embedded parts and safety guard 19:30Hrs~07:30Hrs Workshop No 02 Fixing of reinforcement 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of reinforcement 12:30Hrs~17:30Hrs Workshop No 03 Fixing of scaffolding and reinforcement 07:30Hrs~11:30Hrs

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		Fixing of scaffolding, formwork and reinforcement for columns 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding, formwork and reinforcement for columns 13:30Hrs~17:30Hrs Fixing of scaffolding, formwork and reinforcement for columns 19:30Hrs~06:30Hrs Retaining wall No 01 Excavation and mucking 19:30Hrs~06:30Hrs Crush plant area breaking stones with jack hammer 07:30Hrs~17:30Hrs	Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding, formwork and reinforcement for columns 13:30Hrs~17:30Hrs Fixing of scaffolding, formwork and reinforcement for columns 19:30Hrs~06:30Hrs Retaining wall No 01 Excavation and mucking 19:30Hrs~06:30Hrs Crush plant area breaking stones with jack hammer 07:30Hrs~17:30Hrs		Lunch break 11:30Hrs~12:30Hrs Fixing of scaffolding and reinforcement 12:30Hrs~17:30 Retaining wall No 01 Excavation and mucking 19:30Hrs~05:30Hrs Crush plant area Breaking stones with jack hammer 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Breaking stones with jack hammer 12:30Hrs~17:30Hrs Breaking stones with jack hammer 19:30Hrs~06:30Hrs
Cable crane foundation (Right Bank)	EL. K1+074~1+067 Making of access road and shifting of rock dowels 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Making of access road and shifting of rock dowels 12:30Hrs~17:30Hrs	EL. K1+074~1+067 Making of access road and shifting of wire mesh 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Making of access road and shifting of wire mesh 12:30Hrs~17:30Hrs	Install of rock bolts No. of pieces installed = 22, L=10m	EL. K1+074~1+067 No work 7:30Hrs~17:30Hrs No work due to rain	EL. K1+074~1+067 Removing of scaffolding 07:30Hrs~11:30Hrs Lunch break 11:30Hrs~12:30Hrs Removing of scaffolding 12:30Hrs~17:30Hrs
Kass Camp	Construction of stone masonry retaining wall at RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	Construction of stone masonry retaining wall at RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	Construction of stone masonry retaining wall at RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Construction of brick masonry partition wall 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	Construction of stone masonry retaining wall at RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Electrical fitting 7:30Hrs~17:30Hrs Installation of Pre-cast boundary wall (Slabs and pillars) 7:30Hrs~17:30Hrs Casting of Pre-cast concrete Slabs for boundary wall 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs	Construction of stone masonry retaining wall at RAR-01 road side and in front of Project leadership dormitory 7:30Hrs~17:30Hrs White washing (Painting) 7:30Hrs~17:30Hrs Electrical fitting 7:30Hrs~17:30Hrs Installation of sewage pipe line 7:30Hrs~17:30Hrs Excavation, leveling and dumping 7:30Hrs~17:30Hrs
CR-5-2 / LU-2	No Work	No work	No Work	No work 07:30Hrs~17:30Hrs	No work 07:30Hrs~17:30Hrs

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Daily Work Records of MW-02

Date/Day Location	1 Friday	2 Saturday	3 Sunday	4 Monday	5 Tuesday	6 Wednesday	7 Thursday
Main Access Tunnel	DAY F. Ch: 0+963 Design Excavation is completed. But support work is remaining. 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 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 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 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 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 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 support work is 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
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: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 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 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 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 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.
Service Tunnel C	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.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. Drilling for missing rock bolts	Note: -Design Excavation (450 m) has been Completed. Ch.:0+214~ Drilling for missing rock bolts
GIS Cavern Access Tunnel	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
Transformer Cavern Pilot Tunnel I-2	Day Ch.:0+167.0~0+158.0 Rectification of rebar mesh 1st layer on left wall Night	Day No Activity Night F. Ch: 0+241 (D/S) Ch:0+198.0~0+205.0(approx.) Installation of rock dowels face plates	Day F. Ch:0+241.0~(D/S) no activity Night	Day F. Ch:0+241.0~(D/S) F. Ch:0+241.0~(D/S) Ch.:0+225.0~0+239.0 Drilling for rock dowels	Day F. Ch:0+241.0~(D/S) F. Ch:0+241.0~(D/S) Ch.:0+213.0~0+239.0 Grouting for missing rock	Day No Activity Night F. Ch: 0+241 (D/S) Ch:0+145.0~0+160.0 Rectification of rebar mesh on wall	Day F. Ch:0+241.0~(D/S) Ch.:0+200.0~+240.0 Survey for missing rock dowels

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	Ch:0+120.0~0+115.0 Installation of first layer rebar mesh on wall		F. Ch:0+241.0~(D/S) no activity	Installation of rock dowels Night Ch:0+200.0~0+239.0 21F.Ch: 0+241 (D/S): Pak First layer shotcrete PS Qty=4.0m³ in of missing rock dowels with cement mortar	dowels (18Pcs) Night F. Ch: 0+241 (D/S) Ch:0+200.5~213.0 Grouting of missing rock dowels Qty=9pcs Cement Qty=650kg Ch:0+120.0~0+115.0 Fixing of 2nd layer rebar mesh on wall		Drilling for missing rock dowels Installation of Missing rock dowels U/S Ch. 0+022.0~0+018.0 Installation of rebar mesh (1st layer) Night I-1, I-2, I-3 0+240~0+220 Drilling for weep holes U/S Ch. 0+18~0+013 Installation of rebar mesh
Transformer Cavern Pilot Tunnel I-1 & I-3	Day I3 F. Ch: 0+241.0 (D/S) F.ch: 0+074.0~0+71(U/S) First layer shotcrete PS Qty=4.0m³ Ch.:0+23~/ 0+39.0 Mucking and scaling Mapping Qv=0.67 CH:0+023~0+020 First layer shotcrete Qty=2.0m³ CH:0+037.0~0+039.0 First layer shotcrete Qty=2.0m³ Night I1 F.ch:0+241.0 Ch:0+120.0~0+150.0 Installation of 2nd layer rebar mesh on center crown I3 F. Ch Approx. 0+241.0 (D/S) F. Ch0+71.0 Survey for blast drilling for blast 15 Charging for blast (Exp=100kg) Blast conducted Mucking & scaling Ch:0+39.0 Survey for blast Drilling for blast Ch:0+20.0 Survey for blast Drilling for blast Charging for blast (Exp=100kg)	Day i-3 F. Ch: 0+241.0 (D/S) F.ch: 69.0(U/S) Ch.:0+79.25 - 76.75 Survey for rock dowels Mapping Qv=1.67 Ch.0+40.0~0+43.0:0 +17.0~+020.0 Mucking and scaling Mapping Qv= 1.87 Ch:0+026.0~034.0 Rectification of rock dowels plates Night I3 F. Ch Approx. 0+241.0 (D/S) U/S F. Ch0+68.0(Approx.) Ch:0+79.25~0+76.5 22:40_00:27 Installation & packing of rock dowels Qty=21pcs Note: Initial layer of shotcrete is remaining F.ch:0+43.0 (Approx.) Ch:0+33.0~0+36.75 Survey for rock dowels Drilling for rock dowels Installation of rock dowels F.ch:0+17.0 (Approx.) Ch:0+26.75 Survey for rock dowels Drilling for rock dowels Installation of rock dowels Qty=7pcs	Day I1 F.ch:0+241.0 Ch.: 0+117~0+110.0 Fixing of 1st layer rebar mesh. Ch.: 0+120.0~165.0 Shotcrete on Crown Cracked Portion. I3 F. Ch: 0+241.0 (D/S) F.ch: 69.0(U/S) Ch.: 0+071 - 069 1st layer SC Qty = 04m3 Night I1 F.ch:0+241.0 Ch:0+125.0~0+130.0 Fixing of rebar mesh Ch:0+141.0~0+147.0 Fixing of rebar mesh Ch:0+195.0~0+220.0 Drilling for missing rock dowels I3 F. Ch Approx. 0+241.0 (D/S) U/S F. Ch0+68.0(Aprox.) Ch.:0+076.75~0+079.25 Grouting for rock dowels 18 pcs Grouted Ch:0+33.0~0+36.75 Grouting for rock dowels	Day I3 F. Ch: 0+241.0 (D/S) F.ch:0+018.0~(U/S) Ch.:0+020.0~0+018.0 First layer shotcrete PS Qty=4.0m³ Survey for blast Ch:0+036.75~0+026.75 Installation of rock dowel plate's F. Ch:0+042.0~Ch:0+042.0~0+039.0 First layer shotcrete PS Qty=4.0m³ Survey for blast F.ch: 68.0 Survey for blast Drilling for blast Charging for blast Exp=100kg Blast conducted Night F. Ch approx. 0+241.0 (D/S) Ch:0+195.0~0+239.0 Installation of missing rock dowels F. Ch0+65.0(U/S) Ch:0+68.0~0+65.0 Mucking & scaling Mapping Qv=1.67 1st layer PS shotcrete Qty=3m³ Ch:0+42.0 Drilling for blast Charging for blast (Exp=100kg) Blast conducted Ch:0+18.0 Drilling for blast Charging for blast (Exp=100kg) blast conducted Mucking	Day I3 F. Ch: 0+241.0 (D/S) F.ch:0+018.0~(U/S) Ch.:0+018.0~+014.0 Scaling Mapping (Qv=1.87) F. Ch:0+044.0~Ch:0+042.0~0+044.0 Scaling Mapping (Qv=1.6) F.ch: 68.0 Ch.:0+79.25~0+66.75 Installation of rock dowel plates. CH.:0+75.50~0+71.75.0 Survey for rock dowels Drilling for rock dowels 03row's i-1 Ch:0+150.0~0+155.0 Fixing of rebar mesh on center crown Ch:0+140.0~0+145.0 Fixing of 1st layer rebar mesh on center crown Night I3 F. Ch approx. 0+241.0 (D/S) CH.:0+75.50~0+71.75 (U/S) Installation & packing of rock dowels with cement mortar Ch:0+193.0~0+216.75	Day I3 F. Ch: 0+241.0 (D/S) D/S Ch.:0+036.0~0+041.0 Installation of 1st layer rebar mesh Ch.:0+080.0~0+074.0 installation of 1st rebar mesh I1 F.ch:0+241.0 0+241.0 (D/S) Ch:0+33.0~0+39.5 Installation of First layer rebar mesh on wall Ch:0+75.05~0+71.75 Grouting for rock dowels Qty=19pcs Grouted Ch.:0+080.0~0+074.0 Installation of 1st rebar mesh I1 F.ch:0+241.0 Installation of rock dowels on face Length=6m Ch:0+140.5~0+145.0 0 Fixing of rebar mesh on center crown	Day i-3 F. Ch Approx. 0+241.0~(D/S) Ch.:0+209.0~0+205.0 Rectification of rebar mesh at wall (1st layer) in progress inspection not done. Ch.:0+110.0~0+106.0 Installation of rebar mesh (1st layer) Ch. 0+98~0+95 1st layer shotcrete 6m³ Night i-3 F.CH:0+241 Ch:0+220~0+205 Rectification of 1st layer rebar mesh on wall CH:0+195~0+190 Installation of 1st layer Rebar mesh on wall U/S F.CH:0+95 Survey and demarcation for missing rock bolts Ch:0+109~115 Drilling for missing rock bolts Ch.:0+99~0+103 Drilling for rock bolts

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					Grouting for missing rock dowels Qty=11 pcs Grouted Note: - Grouting stop due upstream face ready for blast		
Powerhouse Cavern Pilot Tunnel (Left Crown portion) I-2	Day No Activity Night F. Ch:0+232.5 Approx. (D/S) 0+01.5(U/S) Drilling for PS tendons	Day F. Ch:0+232.5~(D/S) Approx. Ch.: 0+165.0~170.0: 2nd layer rebar mesh installation on left wall. Night F. Ch:0+232.5 Approx. (D/S) Ch:0+10.0~0+20.0 Drilling for PS tendon for up to 14m	Day F. Ch:0+241.0~(D/S) Approx. Ch.: 0+236.0~0+241.0 Fixing of 2nd layer rebar mesh on left wall. Rebar mesh was stopped due to incomplete SC layer on 1st layer rebar Ch.:0+163.0~0+211.0 Installation of missing rock dowels (8pcs) Night F. Ch:0+232.5 Approx. (D/S) Ch:0+093.0~0+100.0 Fixing of 2nd layer rebar mesh on wall	Day Ch.:0+213.9~0+163.3 Grouting for missing rock dowels (9pcs) Use cement=450kg) Night F. Ch:0+241.0 (D/S) Ch:0+57.0~0+52.0 Installation of 2nd layer rebar mesh on wall	Day F. Ch:0+241.0 (D/S) No Activity Night F. Ch:0+241.0 (D/S) No Activity	Day Ch.:0+002.3~0+043.70 Drilling for 06m missing rock dowels Night Ch.:0+002.3~0+043.70(U/S) Installation of missing rock dowels Qty=8pcs	Day F. Ch:0+241.0 Approx. Ch 0+237~0+241 approx. Mapping Qv1.67 1st layer shotcrete 4m³ U/S Ch:0+12~0+05 Installation of 1st layer rebar mesh Ch 0+188~0+218 Sprayed 3rd layer Night U/S Ch:0+12~0+05 Installation of 1st layer rebar mesh Ch. 0+25~0+20 Installation of 2nd layer rebar mesh Ch:0+50~0+40
Powerhouse Cavern Pilot (Right Crown Portion) I-1 & I-3	Day i-1 No Activity i-3 No Activity Night i-1 No Activity i-3 F. Ch:0+00(U/S) Ch:0+81.0~0+77.0 Installation of 2nd layer rebar mesh on wall Ch:0+70.0~0+64.0 Installation of 2nd layer rebar mesh on wall	Day i-1 F. Ch Approx. 0+241.0(D/S) I1 I2 & I3 Ch.:0+00.0~0+20.0 Drilling of PS tendons for up to 14m Ch.:0+241.0 Grouting of rock dowels 26pcs (length=8m) Used cement=600kg i-3 F. Ch:0+000(U/S) Ch.:0+55.0~0+65.0 Fixing of 2nd layer rebar mesh Ch.: 0+090.0~095.0 2nd layer rebar mesh installation on right wall Night i-1 F. Ch Approx. 0+241.0(D/S) Ch:0+241.0 Grouting of rock dowels 7 Pcs Grouted L=8m i-3 F. Ch:0+00(U/S) Ch:0+60.0~0+55.0 Installation of 2nd layer rebar mesh on wall Ch:0+90.0~0+86.0 Installation of 2nd layer rebar mesh on wall	Day i-1 F. Ch Approx. 0+241.0(D/S) F.Ch:0+00.0 I1 I2 & I3 Ch:0+000~17.25~ Drilling of PS tendon for 13.5m tendons NOTE: contractor was informed to check the calibration of the machines of Water Pressure Test and the flow meter. Ch.:0+16.1~0+83.95.0 Pressure Grouting & Packer grouting for 7m Tension Rock Bolts i-3 F. Ch:0+000(U/S) Ch.:0+055.0~0+049.0 Fixing of rebar mesh 2nd layer Night i-1	Day i-1 F. Ch Approx. 0+241.0(D/S) F.Ch:0+00.0 I1 I2 & I3 ch.:0+00.0~0+16.0 Drilling for PS tendons I3 F. Ch:0+000(U/S) Ch.:0+047.0~0+041.0 Fixing of rebar mesh on wall (2nd layer) Installation of trail test PS tendon sika Crete head cap. Night i-1 F. Ch Approx. 0+241.0(D/S) I-1, I-2-I-3 Ch:0+239.5~0+241.0 remedial shotcrete Qty=8m³ Ch:0+26.0_0+33.0 Drilling for PS tendon Ch:0+170.0~220.0 Invert leveling I3	Day i-1 F.Ch:0+00.0 I1 I2 & I3 Ch.:0+233.45=02pcs (PSTT) Ch.:0+134.55=02(PSTT) Installation of trail test PS tendon head cap for sika crate 114. Ch.:0+241.0 Fixing of wire mesh on face (2pcs) I3 ch.:0+24.0~0+18.0 Fixing of 1st layer rebar mesh on wall Night i-1 F. Ch approx. 0+241.0(D/S) Installation of wire mesh upper portion on face Ch:0+0+90.0 0~120.0 Invert Excavation & leveling I3 F. Ch:0+00(U/S) Ch:0+1.5	Day i-1 I1 I2 & I3 F. Ch approx. 0+241.0(D/S) F.Ch:0+00.0 I1 I2 & I3 Ch.:0+233.45=02pcs (PSTT) Ch.:0+134.55=02(PSTT) Installation of Tendon Head cap steel plate & fixing of wooden formwork for the purpose of trail test. Pouring of sika crate 114 for trail test PS tendon head cap. CH:0+063.0~0+134.5 Invert excavation & levelling. I3 No Activity Night i-1 F. Ch approx. 0+241.0(D/S) Shotcrete 2nd layer PS on face Qty=8m³ I-1&I-2, I-3 Ch:0+70.0~0+40.0(U/S) Invert Excavation & leveling I-1 & I-2 Ch:0+1.15~0+012.6 5.0	Day i-3 Ch 0+15.0~0+30.0 Hand drilling for tension rock bolts supporting bars Ch. 0+190~0+195 Drilling for under break blast Charging for under break blast holes 14, Exp=14.4kg used Blast conducted i-1 I1 I2 & I3 Ch.: 0+105~0+215 Tensioning of 07m tension rock bolts Ch. 0+40.0~0+35.0 Drilling for tension rock bolts, 7holes Ch 0+40.0~0+30.0 Pressure grouting for tension rock bolts Night i-3

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Tunnel towards Lower pressure Tunnel No 2	PAT- 02 Design Excavation Complete Ch.: 230.0~250.0 Charging for invert blast (200KG). Blast conducted Night F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) Invert Excavation by Excavator	PAT- 02 Design Excavation Complete Ch.: 230.0~250.0 Drilling for invert under breaks Charging for blast Exp=50kg Blast conducted Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) Ch: 230.0~250.0 Invert excavation by Excavator	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 Ch: 230.0~250.0 Invert excavation by Excavator Night 230.0~250.0 Invert excavation by Excavator Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 Ch: 230.0~250.0 Invert excavation by Excavator Night Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) Ch: 230.0~250.0 Invert excavation by Excavator Survey for invert blast	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 Ch:0+158.0~0+162.0 Invert drilling for blast Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) Ch:0+158.0~0+162.0 drilling for Invert blast	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 Ch.:0+000~0+011.0 Charging for invert blast Exp=175kg Blast conducted Mucking Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) Ch.:0+000~0+011.0 Mucking	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity
Connection Tunnel to Powerhouse From STA	Day F. Ch:0+076 No activity due to resources limitation and shortage of workforce Night F. Ch:0+076 No activity due to resources limitation and shortage of workforce	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 workforce	Day F. Ch:0+076 No activity due to resources limitation and shortage of workforce Night F. Ch:0+076 No activity due to resources limitation and shortage of workforce	Day F. Ch:0+076 No activity due to resources limitation and shortage of workforce Night F. Ch:0+076 No activity due to resources limitation and shortage of workforce	Day F. Ch:0+076 No activity due to resources limitation and shortage of workforce Night F. Ch:0+076 No activity due to resources limitation and shortage of workforce	Day F. Ch:0+076 No activity due to resources limitation and shortage of workforce Night F. Ch:0+076 No activity due to resources limitation and shortage of workforce	Day F. Ch:0+076 No activity due to resources limitation and shortage of workforce Night F. Ch:0+076 No activity due to resources limitation and shortage of workforce
STB from Powerhouse Connection Tunnel	Day F.Ch.: 0+034.0(Approx.) Ventilation duct extension at STB Junction Night F.Ch.: 0+034.0(Approx.) Ch:0+32.0~0+34.0 First layer SF shotcrete Qty=3m³	Day F.Ch.: 0+034.0(Approx.) No activity Night F.Ch.: 0+034.0(Approx.) No activity	Day F.Ch.: 0+034.0(Approx.) No activity Night F.Ch.: 0+034.0(Approx.) No activity	Day F.Ch.: 0+034.0(Approx.) No activity Night F.Ch.: 0+034.0(Approx.) No activity	Day F.Ch.: 0+034.0(Approx.) No activity Night F.Ch.: 0+034.0(Approx.) No activity	Day F.Ch.: 0+034.0(Approx.) No activity Night F.Ch.: 0+034.0(Approx.) No activity	Day F.Ch.: 0+034.0(Approx.) No activity Night F.Ch.: 0+034.0(Approx.) No activity
Surge Chamber Vault Access Tunnel	Day Junction Enlargement area Ch.: 0+490~0+499 Survey for blast Night F.CH:0+016.0(Approx.) Ch.: 0+490~0+499 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	Day No activity Night No activity	Day No activity Night No activity
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	Day Vertical Existing shaft No Activity Night Vertical Existing shaft Manually mucking	Day Vertical Existing shaft No Activity Night Vertical Existing shaft Manually excavation & mucking	Day Vertical Existing shaft No Activity Night Vertical Existing shaft Manually excavation & mucking	Day Vertical Existing shaft Manually excavation & mucking Night Vertical Existing shaft Manually excavation & mucking	Day Vertical Existing shaft No Activity Night Vertical Existing shaft No Activity
Drain tunnel	Day F. Ch949.5 Design excavation is complete No activity Night	Day F. Ch949.5 Design excavation is complete No activity Night	Day F. Ch949.5 Design excavation is complete No activity	Day F.Ch. 0+949.5.0 Design excavation is complete No Activity Night	Day F. Ch949.5 Design excavation is complete No activity	Day F. Ch949.5 Design excavation is complete No activity Night	Day F. Ch949.5 Design excavation is complete No activity

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	F. Ch949.5 Design excavation is complete No activity	F. Ch949.5 Design excavation is complete No activity	Night F. Ch949.5 Design excavation is complete No activity	F.Ch. 0+949.5.0 Design excavation is complete No Activity	Night F. Ch949.5 Design excavation is complete No activity	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	▼976~977 Excavation & invert levelling	▼976.0~977.0 Removal of lose material. (Lose material coming from CR-5-2)	▼976.0~977.0 Charging for blast Exp=70kg No of hole's=11 Blast conducted excavation & levelling	▼976.0~977.0 Intake area ▼981.0 Charging for boulder blast (2holes, Exp=1.0kg) Blast conducted	▼982.0 Ch.:0+130.0~0+128.0 Drilling for blast Charging for boulder blast (holes=11, Exp=75kg) Blast conducted Mucking & scaling Drilling for additional blast for boulders Charging for additional blast (Holes=3, Exp=3kg) Blast conducted	▼982.0 Ch.:0+130.0~0+128.0 Excavation & leveling	No activity
CT-2 Adit Tunnel	Day F. Ch: 0+037.0 Drilling for spiels Grouting for spiels (20pcs) Length=5m Used cement=300kg Ch.:0+031.5 Grouting for rock dowels 10pcs grouted & 3pcs rejected due to seepage. Used cement=150kg Rectification of wire mesh Welded by drainage steel pipe CH:0+030.6~0+033.6 Second layer shotcrete PS Qty=14.0m ³ Night F. Ch: 0+037.0 CH:0+030.6~0+033.6 2nd layer PS shotcrete Qty=8m ³ Survey for blast Drilling for blast	Day F. Ch: 0+039.0 Charging for blast (Exp=125.0kg) Blast conducted Mucking & scaling Mapping Qv=1.40 1st layer shotcrete (PS Qty=7m ³) Ch.:0+033.60+35.60 Fixing of wire mesh (03pcs) Fabrication & welding of drainpipes for CT-2 Night F. Ch: 0+039.0 CH:0+033.0~0+37.6 Installation of wire mesh Qty=6pcs Ch:0+34.0~0+36.6 Installation of Steel arches(3pcs) Ch:0+35.6 Drilling for rock dowels	Day F. Ch: 0+039.5~ Drilling for spiels & rock dowel. Ch.:0+039.5 Grouting for spiel's (22pcs) Ch.:0+033.0~0+034.5 Ch:0+031.5=03pcs reaming installed. Grouting for rock dowels 2 row's 26pcs CH:0+033.6~0+036.6 Second layer shotcrete PS Qty= Fabrication & welding of drainpipes for CT-2 Night F. Ch: 0+039.0 Drilling for blast Drilling for blast	Day F. Ch: 0+041.5~ Charging for blast (Exp=120kg) Blast conducted Mucking & Scaling Mapping (Qv=0.6) First layer shotcrete (PS Qty=7m ³) Fabrication & welding of drainpipes for CT-2 Night F. Ch: 0+044.0 Survey for rock dowels & blast Drilling for rock dowels Drilling for blast Grouting of rock dowels	Day F. Ch: 0+044.0~App rox Charging for blast (Holes=135, Exp=147kg) Blast conducted Mucking & Scaling Drilling for Additional blast Charging for additional blast (Exp=3kg) Additional blast conducted Mucking Mapping (Qv=1.5) First layer shotcrete (PS Qty=7m ³) Night F. Ch: 0+047 Survey for blast Drilling for blast Grouting of rock dowels	Day F. Ch: 0+046.5 Blast conducted Mucking & scaling Mapping (Qv=1.34) 1st layer shotcrete (PS Qty=7)) Survey for rock dowels Drilling for rock dowels Survey for blast Drilling for blast Fabrication of ventilation duct for CT-2 Adit Concreting of sedimentary tank (Qty=28.0m ³ & mortar m40=06.0m ³) Night F. Ch: 0+046.5 Charging for blast Blast conducted Mucking Ch:0+42.5 Grouting for rock dowels Qty=9pcs	Day F.Ch.0+009.0~ Grouting and installation of spiels 20pcs Used Cement 350kg, Fixing of form work for 2nd no water tank lean concrete. Cleaning of form work Fixing of steel arch (01pcs) Excavation & installation reinforcement for gate barrio. Night F.Ch.0+09.0~ Shotcrete Qty=24m ³ Survey for Blast Drilling for blast
Switchyard Day work	No Activity	No Activity	No Activity	No Activity	No Activity	No Activity	No Activity
Switchyard Compound	El: ▼970~980 (6th layer) Fixing of wire mesh (05pcs) Installation of steel pipes for drainage	El: ▼970~980 (6th layer) Fixing of wire mesh on right side (06pcs) Installation of steel pipes for drainage	El: ▼970~980 (6th layer) El: ▼920~930 Excavation & levelling Installation of steel pipes for drainage	El: ▼970~980 (6th layer) El: ▼920~930 Fixing of wire mesh on 6th layer Excavation & levelling Back filling with Clay material Installation & welding of steel pipes of sewerage line for labor camp.	El: ▼970~980 (6th layer) El: ▼920~930 Fixing of wire mesh on 6th layer Installation of scaffolding on 6th layer Excavation & levelling Back filling with damping	El: ▼970~980 (6th layer) El: ▼920~930 Fixing of wire mesh on 6th layer Installation of scaffolding on 6th layer Excavation & levelling Back filling with damping material (Clay) carried From Officer colony Chuchang.	Day work order Removing of dump material Night Shift: Removing of dump material

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					material (Clay) carried From Officer colony Chuchang.		
Date/Day Location	8 Friday	9 Saturday	10 Sunday	11 Monday	12 Tuesday	13 Wednesday	14 Thursday
Main Access Tunnel	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining. 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 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 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 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 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 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 support work is remaining.
Draft Tunnel Towards Tailrace Tunnel No 2	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)
Draft Tunnel Towards Tailrace Tunnel No 1	F ch:0+057.0 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: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 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 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 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 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.
Service Tunnel C	Note: -Design Excavation (450 m) has been Completed. Ch.:0+224.5-0+30 8.5 Grouting and installation of missing	Note: -Design Excavation (450 m) has been Completed. Ch.:0+307.5.0-0+33 5.5 Second layer shotcrete sf Qty=15.0m³	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.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.
Transform er Cavern I-2	Day F. Ch:0.008.0 approx. ch:0+015.5-0+010. 5 Grouting for rock dowels (22pcs) Night Ch:0+016-0+010 Installation of 1st layer Rebar-mesh	Day No Activity Night Ch.: 0+109-0+104 Fixing of rebar mesh	Day No Activity Night No Activity	Day F. Ch:0+241.0- (D/S) No Activity Night F Ch.:0+000 Drilling for rock dowels (6m) left wall Drilling jumbo break down	Day No Activity Night Ch...:0+110.0 -0+130.0 Rectification of rebar mesh	Day No Activity Night Ch.:0+110-0+130 Rectification of rebar mesh	Day No Activity Night No Activity
Transform er Cavern Pilot Tunnel I-1 & I-3	Day i-3 Ch.:0+215.0-0+23 9 Rectification of rebar mesh done U/S Ch. 0+96.5- Survey for blast	Day i-3 F. Ch: 0+241.0 (D/S) F.ch:0+65.0 Ch...:0+74.0-0+80.0 2nd layer SF shotcrete Qty=8m³ Ch:0+36.0-0+30.0	Day I1 Rectification of wire mesh on face I3 F. Ch: 0+241.0 (D/S)	Day I1 I1 I2 & I3 Installation & rectification of 2nd layer wire mesh on face I3	Day I1 I-1, I-2, I-3 Rectification of wire mesh on face I3	Day I3 F.ch:0+65 (approx.) Ch: 0+70.5 - 66.75 Installation of rock dowels (21 pcs installed) F.Ch.: 0+050 (Approx.)	Day i-3 F. Ch: 0+241.0 (D/S) F.ch:0+65 (approx.) Charging for blast (Exp=98 kg)

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	<p>Drilling for blast Note: AFI rejected because of Support work remaining, Ch.:0+110~0+104.0 Installation of rebar mesh (1st layer) Night CH:0+215.0~0+239 2nd layer Shotcrete Qty=24m³ U/S F.CH 0+95 Ch.:0+109.25~0+115.50 (Missing rows) Ch:0+099.25~0+103 Installation of rock bolts</p>	<p>Rectification of first layer rebar mesh Night i-3 Ch.: 0+046.0 Drilling for blast Charging for blast (Exp=100 kg) Blast conducted Ch.: 0+140~0+150 Rectification of rebar mesh on wall Ch.: 0+241 (At Face) Fixing of wire mesh</p>	<p>Ch.:0+41~0+43 Making and Scaling Ch.:0+25.5~0+19.25 Installation of Rock dowels Ch.:0+26.75~19.25 Installation of missing rock bolts Ch.:0+144~0+135 Rectification of wire mesh 17:20~17:45 1st layer of shotcrete (Qty 8m³ PS) Night I3 Ch.: 0+043.0 Survey for blast Drilling for blast Charging for blast (Exp=100 kg) 00:29) Blast conducted Ch: 0+19.25 Grouting for rock dowels (7 pcs grouted) Ch.: 0+135~0+145 Rectification of rebar mesh on wall i-1 I-1, I-2, I-3 Rectification of wire mesh on face on left wall. Ch.: 0+145~0+140 Fixing of rebar mesh</p>	<p>Ch:0+21.0~0+15.0 Rectification of rebar mesh 2nd layer Night I1 Ch.:0+241.0 Wire mesh rectification on face Ch.:0+190~0+157.0 survey for demarcation of PS tendon Ch.:0+190~0+200.0 Drilling for PS tendon (6m) I3 Ch.:0+230~0+241.0 Installation rebar mesh and rectification at right wall</p>	<p>F. Ch: 0+241.0 (D/S) F.ch:0+67.5.0 Survey for blast Drilling for blast Charging for blast (Exp=100kg) Blast conducted Mucking is in progress Ch:0+29.0~0+23.0 Rectification of first layer rebar mesh Ch:0+17.0 Survey for blast 15:10 Drilling for blast Night I1 F.ch:0+241 I-1, I-2 & I-3 Rectification of wire mesh on face Ch.:0+130.0~0+135.0 Fixing of rebar mesh Ch.:0+147.0~0+152.0 Fixing of rebar mesh I3 F.ch:0+65.0 Mapping (Qv=1.87) First layer shotcrete Ch:0+17.0 Blast conducted Mucking & scaling</p>	<p>Ch.: 39.25 - 45.5 Drilling for Rock Dowels Installation of Rock Dowels (32 pcs installed) Ch.: 0+047 - 44 2nd pass of 1st layer SC PS (Qty = 04m³) F.Ch.: 0+014 Drilling for blast Charging for blast (100KG) i-1 F.ch:0+241.0 Ch.: 0+100 - 241 Survey for missing rock dowels Ch.: 0+120 - 125 Installation of rebar mesh on crown C: 0+135 - 140 Rectification of rebar mesh on crown Night I3 F. Ch Approx. 0+241.0 (D/S) U/S F.CH:0+64.5 Ch: 0+70.5 - 66.75 Grouting for rock dowels (22 pcs Grouted, 01 hole is not drilled) (L=5m) Survey for Blast Drilling for Blast Note: 10m without rebar mesh support F.CH:0+49 Ch.:0+39.25~0+45.5 Grouting for rock bolts (30pcs grouted, 2 leakage) F.CH:0+11 Mucking (Mucking was postponed due to non-availability of Excavator) Mapping Qv=2.08 Mucking resumed and scaling</p>	<p>Blast conducted Ch: 0+066.75~0+70.5 Fixing of rock dowels plates F.Ch.: 0+011 (Approx.) Ch.: 0+18~0+11.75 Drilling for Rock Dowels Installation of Rock Dowels (30 pcs installed) F.Ch.: 0+050 Drilling for blast (70 holes) Charging for blast (Exp=107 kg) Blast conducted Mucking i-1 F.ch:0+241.0 Ch.: 0+000~0+010 Installation of rebar mesh on crown Night I3 F.ch:0+064~0+61 Mucking and Scaling Mapping Qv=1.87 CH:0+64~0+61 1st layer shotcrete Qty=4m³ F.ch:0+049.5~0+52.5 Mucking and Scaling Mapping Qv=2.08 CH:0+49.5~0+52.5 1st layer shotcrete Qty=4m³ Ch.:0+018~0+013</p>
<p>Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2</p>	<p>Day F. Ch:0+241 Approx. Ch 0+237~0+241 approx. 1st layer 2nd pass shotcrete Qty=8m³ Ch. 0+188.0~0+218.0 Thickness test has been done CH:0+188.0~0+200.0 Drilling for 07m tension rock bolts U/S Ch. 0+28.0~0+22.0 Installation of rebar mesh 2nd layer Ch. 0+012.0~0+07.0 Night CH:0+238.9~241.2, 0+225.1 (01 missing)</p>	<p>Day No Activity Night No Activity</p>	<p>Day F. Ch:0+241.0~(D/S) Approx. Ch.:0+155~0+165.0 2nd layer of shotcrete Q/t 8m Night Ch.:0+002.3~0+043.70(U/S) Ch.: 0+049~0+042 Fixing of rebar mesh 2nd layer Ch.: 0+166~0+160</p>	<p>Day Ch.:0+155~0+145.0 Fixing of first 2nd layer rebar mesh Ch.:0+195~0+200.0 Fixing of first 2nd layer rebar mesh Ch: 0+ (PSTT-3) Arraignment For PS Tendon Stressing Test Night F. Ch:0+241.0 (D/S) Ch.:0+192~0+197 Installation of rebar mesh</p>	<p>Day Ch.:0+195.0~200.0 Fixing of 2nd layer rebar mesh Night Ch.:0+212.0~224.0 Fixing of 2nd layer rebar mesh on wall</p>	<p>Day F. Ch:0+241.0~(D/S) Approx. Ch.:0+230 - 241 Fixing of 2nd layer rebar mesh on left wall Ch.: 0+00 - 241 Selection of location of Pull-out Test Night F. Ch:0+241.0~(D/S) Ch.:0+230~0+241 Fixing of 2nd layer rebar mesh on wall</p>	<p>Day F. Ch:0+241.0~(D/S) Approx. Ch.:0+230 - 0+241.0 Fixing of 2nd layer rebar mesh on left wall Ch.: 0+134.0 9:45 - Tensioning for trial PS tendons Night F. Ch:0+241.0~(D/S) Ch.:0+146~0+151 Fixing of 2nd layer rebar mesh</p>

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	Grouting of rock bolts Total=7pcs, Cement=400kg CH:0+188-0+218 Drilling for Tension rock bolts 1st layer 2nd pass shotcrete SF Qty=8m³		Fixing of rebar mesh 2nd layer				Ch.:0+217-0+235 Rectification of 2nd layer rebar mesh Ch.:0+115-0+135 Breaking under break at wall by jack hammer
Powerhouse Cavern Pilot I-1 & I-3	Day I1 I2 & I3 Ch.: 0+070.0-0+055.0 Tensioning of 07m tension rock bolts Ch 0+40.0-0+30.0 Packer grouting for tension rock bolts. Grouting of trail test for tension rock bolts I-3 F. Ch:0+00(U/S) Ch 0+05.0-0+20.0 Hand drilling for tension rock bolts supporting bars. Night I-1 I-1, I-2 & I-3 CH:0+20-0+50 Installation of Tension rock bolts CH:0+96.6-0+90.8 5 Tensioning of Tension rock bolts Grouting of Tension rock bolt	Day i-3 F. Ch:0+000(U/S) Ch:0+30-0+20.0 Installation of first layer rebar mesh on wall i-1 Ch:0+241.0 Fixing of 2nd layer wire mesh Ch:0+115.0 Drilling for PS tendons up to 6m Night I-1 Ch.: 0+190.0 Drilling for 7m TRB. i-3 F. Ch:0+00(U/S) Ch.: 0+048-0+040 Rectification of 2nd layer rebar mesh on right wall Ch.: 0+002-0+012 Rectification of 1st layer rebar mesh on right wall Ch.: 0+241.0 (At Face) Fixing of wire mesh 2nd layer on face	Day I3 Ch:0+21.0-0+15.0 Rectification of rebar mesh 2nd layer i-1 I1 I2 & I3 Ch:0+241.0 Fixing of 2nd layer wire mesh on face Ch:0+115.0 Drilling for PS tendons up to 6m Night i-1 I1 I2 & I3 Ch:0+241.0 Fixing of 2nd layer wire mesh on face Ch.: 0+190.9 Drilling for PS Tendon. i-3 No Activity	Day i-3 F. Ch:0+000(U/S) Ch:0+21.0-0+15.0 0 Rectification of rebar mesh 2nd layer i-1 I1 I2 & I3 Installation & rectification of 2nd layer wire mesh on face Night i-1 Ch.:0+241.0 Wire mesh rectification on face Ch.:0+190-0+157 .0 survey for demarcation of PS tendon Ch.:0+190-0+200 .0 Drilling for PS tendon (6m) I3 Ch.:0+230-0+241 .0 Installation rebar mesh and rectification at right wall	Day i-1 F. Ch Approx. 0+241.0(D/S) Rectification of 2nd layer wire mesh on face Ch:0+0650.0-0+83.0 Water Pressure test for PS Tendon I3 Ch.:0+241.0-0+220.0 (D/S) installation of steel pins & rectification of first layer rebar mesh Night i-3 Ch.:0+195.0-0+215.0 Rectification of rebar mesh on wall i-1 I-1, I-2 & I-3 3rd layer shotcrete (Qty=16m³)	Day I1 F. Ch Approx. 0+241.0(D/S) Checking of machine for Water Pressure Test. I3 No Activity Night I3 F. Ch:0+00(U/S) Ch.:0+218-0+213 Rectification of 1st layer rebar mesh on wall i-1 Ch.:0+173-0+188 I-1, I-2, I-3 Grouting for trial test Tension rock bolts (3pcs)	Day i-3 No Activity i-1 F. Ch Approx. 0+241.0(D/S) Ch.:0+000-0+241 I-1, I-2, I-3 Pull out test of rock dowels. Night i-3 F. Ch:0+00(U/S) Ch.:0+190-0+210 Rectification of 1st layer rebar mesh on wall i-1 I-1, I-2, I-3 Ch.:0+173-0+188 Fixing of wooden formwork for Tension Rock bolts head cap and filling with sika Crete Ch.:0+241 Making bottom edge of Face by Jack hammer Ch.:0+093-0+112 WPT of PS tendon at 6m
01A Drain Tunnel Left Crown of PH I-2	F.ch:0+041.5 Junction area No Activity	F. Ch:0+041.5 No Activity	F. Ch:0+041.5 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
Service Tunnel A	Day F. Ch:0+567.5- No Activity due to resource limitations Night F. Ch:0+567.5- No Activity	Day F. Ch:0+567.5- No Activity due to resource limitations Night F. Ch:0+567.5- No Activity	Day F. Ch:0+567.5- No Activity due to resource limitations Night F. Ch:0+567.5- No Activity	Day F. Ch:0+567.5- No Activity due to resource limitations Night F. Ch:0+567.5- No Activity	Day F. Ch:0+567.5- No Activity due to resource limitations Night F. Ch:0+567.5- No Activity	Day F. Ch:0+567.5- No Activity due to resource limitations Night F. Ch:0+567.5- No Activity	Day F. Ch:0+567.5- No Activity due to resource limitations Night F. Ch:0+567.5- No Activity
Penstock Adit Tunnel towards Lower pressure Tunnel No 1	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+009.0 Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+009.0	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.0(Approx.)) Ch:0+00.0-0+05.5 Survey & demarcation of rock dowels Drilling for rock dowels Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.0(Approx.) Ch:0+00.0-0+05.5 Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+009.0 Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+009.0	Day Lower Pressure Tunnel 01 Ch.:0+010.0 Drilling for blast Charging for blast Night Lower Pressure Tunnel 01 Ch.:0+010.0(Approx.) Mucking & scaling	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.5(Approx.)) Ch:0+8.5-0+10.5 Mapping Qv=0.92 Shotcrete First layer Qty=4m³ Drilling for blast on crown under break portion without any AFI. Contractor was told to submit the AFI before proceeding for blast Night	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 No activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 No activity

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		Ch.:0+010.0(Approx.) Ch:0+00.0~0+05.5 Installation of rock dowels (19 Pcs)	Ch.:0+010.0(Approx.) Ch:0+00.0~0+05.5			PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.0(Approx.) Scaling Mucking Invert levelling	
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	Day F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity Night F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+14.0 Invert Excavation & Mucking Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+14.0 Invert Excavation & Mucking	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+14.0 Invert Excavation & Mucking Night F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+14.0 Invert Excavation & Mucking Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+14.0 Invert Excavation and jack hammer	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+14.0 Invert Excavation & Mucking Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+14.0 Invert Excavation with jack hammer	Day F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+220.0~0+240.0 Invert Excavation by jack hammer	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) No Activity Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) No Activity Night F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity
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+034.0(approx.) No Activity Night No Activity	Day F.Ch.: 0+034.0(approx.) No Activity Night No Activity	Day F.Ch.: 0+034.0(approx.) No Activity Night No Activity	Day F.Ch.: 0+034.0(approx.) No Activity Night No Activity	Day F.Ch.: 0+034.0(approx.) No Activity Night No Activity	Day F.Ch.: 0+034.0(approx.) No Activity Night No Activity	Day F.Ch.: 0+034.0(approx.) No Activity Night No Activity
Surge Chamber Vault Access 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	Day No activity Night Ch.:0+481 Ch.:0+481~0+486 Grouting for rock bolts	Day Junction Enlargement area Ch.: 0+490~0+499 14:20_14:55 Shotcrete PS Qty=8m³ Night No Activity	Day Junction Enlargement area Ch.: 0+000~0+006 (L/ side) Survey for blast Night Junction Enlargement area Ch.: 0+000~0+006 (L/Side) Drilling for Blast

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							Charging for Blast Blast Conducted Scaling and making ramp
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+949.5.0 No Activity 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 Night F.Ch. 0+949.5.0 Design excavation is complete	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 Ch.: 0+685-0+720 Remedial shotcrete (9m ³ SF) Night F.Ch. 0+949.5.0 Design excavation is complete
CR-5-1 Access road and LU-1- Intake area	▼982.0 Ch.:0+132.0-0+134.0 Excavation & mucking	▼982.0 Ch.:0+132.0-0+134.0 Excavation & mucking	No activity	No activity	No activity	No activity	▼982.0 Ch.:0+137-0+139 Charging for blast (Exp=65 kg) Blast conducted Mucking
CT-2	Day F. Ch: 0+051.5 1st layer shotcrete (PS Qty=8m ³) Ch.:0+39.00-0+44.0 2nd layer shotcrete (PS Qty=14m ³) Ch.:0+46.50 Drilling for rock dowels Survey for blast Drilling for blast Fabrication & welding of ventilation duct for CT-2 Adit Night F. Ch: 0+051.0 Drilling for blast Charging for blast Exp=75kg Blast conducted Drilling for additional blast Charging for additional blast Exp=25kg Blast conducted	Day F. Ch: 0+051.5 Ch:0+46.5 Grouting for rock dowels Qty=9pcs L=3m Ch: 0+051.5 Charging for blast (Exp=280kg) Blast conducted Mucking Night F. Ch: 0+054.0 Ch.: 0+051-0+054 Shotcrete 1st layer (7m ³ PS) Ch.: 0+048.5-0+050.5 Drilling for rock dowels	Day Ch:0+54.0 Drilling for blast Ch.:0+48.5-0+050.5 Grouting and installation of rock dowels (18pcs/3m 300kg cement) Ch.:0+054.0 Charging (Exp= 190 kg) Blast Conducted Mucking and scaling Night F. Ch: 0+056.0 Mucking and scaling Mapping (Qv=1.33) Shotcrete 1st layer (Qty= 8m ³ PS) Ch.: 0+052.0-0+053.5 Drilling for rock dowels	Day F. Ch: 0+056 Drilling for blast Ch.:0+52.5-0+054.5 Grouting and installation of rock dowels (18pcs L=3m Ch.:0+054.0 Charging (Exp= 190 kg) Blast Conducted Mucking Removing formwork of sedimentation tank Night F Ch.:0+59.0 Geological Mapping QV=1.33 Ch:0+56-0+59.0 1st layer shotcrete PS QTY=8m ³ Ch.:0+54.5-0+56.5 Survey for rock dowels Drilling for rock dowels Ch:0+59.0 Survey for blast Drilling for blast	Day F. Ch: 0+059.0 Drilling for blast Ch.:0+056.5 Grouting and installation of rock dowels (09pcs L=3m (Cement used 150kg) Ch:0+059.0 Charging (Exp= 180 kg) Blast Conducted Mucking Removing formwork of sedimentation tank Night F. Ch: 0+62.0 Drilling for blast Ch.:0+56.5-0+58.5 Drilling for rock dowels	Day F. Ch: 0+062.0 Drilling for blast and rock dowels Ch:0+58.5-0+60.5 Grouting for Rock Dowels (18 pcs installed) Charging for blast (Exp=180.0kg) Blast conducted Mucking and Scaling Night F. Ch: 0+65.0 Mapping Qv=1.33 0+62-0+65 1st layer shotcrete Qty=7m ³ Ch.:0+62.5 Drilling for rock dowels Drilling for Blast	Day F. Ch: 0+065-0+67.5 Charging for blast (Exp=185 kg) Blast conducted Mucking and scaling Mapping (Qv=1.17) Shotcrete 1st layer (Qty=7m ³ PS) Ch.: 0+64.5-0+66.5 Drilling for rock dowels. Night F. Ch: 0+67.5 Drilling for Blast Grouting for rock dowels (9pcs Grouted=3m) Charging for Blast Exp=188kg Blast Conducted Mucking
Switch yard Compound	EI: ▼970-980 (6th layer) EI: ▼920-930 No activity	EI: ▼920-930(1st layer) No Activity	Day work order No Activity	Day work order No Activity	EI: ▼970-980 (6th layer) EI: ▼920-930 No activity	EI: ▼970-980 (6th layer) EI: ▼920-930 No activity	EI: ▼970-980 (6th layer) EI: ▼920-930 No activity
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

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Date/Day Location	15 Friday	16 Saturday	17 Sunday	18 Monday	19 Tuesday	20 Wednesday	21 Thursday
Main Access Tunnel	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining. 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 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 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 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 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 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 support work is 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
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: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 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 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 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 excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done.
Service Tunnel C	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.	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 Pilot Tunnel I-1 & I-3	Day i-1 F.ch:0+241.0 2nd layer Shotcrete on face (Qty=8m3) Ch.: 120 - 140 rectification of rebar mesh on crown I-3 F. Ch: 0+241.0 (D/S) F.ch:0+61 (approx.) Survey for Blast Drilling for Blast (55 holes) Charging for blast (Exp=87 KG) Blast Conducted	Day i-3 F. Ch: 0+241.0 (D/S) F.ch:0+59 (approx.) Ch.: 0+065 - 060 Drilling for rock dowels Ch.: 0+063 - 073 2nd pass of 1st layer SC (PS Qty = 6.5m3). 1.5 m3 rejected as detachments Ch.: 0+192 - 186 2nd pass of 2nd layer SC (SF Qty = 4m3) Ch.: 0+150 - 0+165 2nd layer SC (SF Qty = 04m3)	Day i-3 F. Ch: 0+241.0 (D/S) F.ch:0+59 (approx.) Ch.: 0+065 - 0+070.0 Fixing of 1st layer rebar mesh Ch.:0+100.0~0+090.0 1st layer shotcrete on right wall (PS Qty=8m³)	Day i-1 F.ch:0+241.0 Ch.: 0+230 - 241 Test drilling of invert by vertical drill i-3 F. Ch: 0+241.0 (D/S) F.ch:0+59 (approx.) Ch.: 0+070.0~0+074.0 installation of 1st layer rebar mesh F.Ch.: 0+052 (Approx.)	Day i-1 No Activity i-3 F. Ch: 0+241.0 (D/S) F.ch:0+59.0~ (approx.) Ch.: 0+074.0~0+63.0 Rectification of 1st layer rebar mesh	Day i-3 F. Ch: 0+241.0 (D/S) F.ch:0+59.0~ (approx.) Ch.: 0+36.0~0+49.0 Rectification of 1st layer rebar mesh Shotcrete 2nd layer (08m³ SF) Ch: 0+230.0~0+240.0 Invert drilling for blast	Day i-1 F.ch:0+241.0 Ch: 0+230.0~0+240.0 Dewatering for invert drilling for blast. Drilling not started because 1Z15 - Drilling machine breakdown. Ch.: 0+150~0+140

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	<p>F.Ch.: 0+011 (Approx.) Survey for Blast Drilling for blast (61 holes) Charging for blast (Exp=101 KG) Blast conducted Mucking</p> <p>F.Ch.: 0+052 (Approx.) Ch.: 0+46.75 - 50.5 Drilling for rock dowels</p> <p>Night i-1 F.ch:0+241 Ch.:120 - 140 Rectification of rebar mesh Ch.0+241.0) At face second layer shotcrete qty=8m³ I-3 Ch.0+10.0 Mucking and scaling Mapping Qv=1.83 First layer of shotcrete Qty= 4m³</p> <p>Ch.0.61.0 Mucking and scaling Mapping Qv= 1.50 First layer of shotcrete Qty =4m³</p> <p>ch.0+46.75-0+50.50) Installation of rock dowel and mortar pasting (3 Rows) 21pcs</p>	<p>F.Ch.: 0+008 (Approx.) Ch.: 0+010.5 - 11.75 Drilling for Rock dowels Ch.: 0+018 - 013 fixing of rock dowels plates. (Note: previously grouted Rock dowels Plate not in contact. The issue is highlighted at site)</p> <p>F.Ch.: 0+052 (Approx.) Ch.: 0+46.75 - 49.25 Grouting for Rock Dowels (21pcs done)</p> <p>Night i-3 F. Ch Approx. 0+241.0 (D/S) CH:0+150-0+135 2nd layer shotcrete Qty=24m³ Ch.0+100-0+110 Second layer shotcrete at wall Qty = 16m³</p> <p>U/S F.CH:0+059.0 CH:0+074-0+070 Fixing of Rebar-mesh Ch.: 0+065-0+060 Installation of Rock bolts and packing with mortar</p> <p>F.CH:0+052 CH0+036-0+041 Fixing of Rebar-mesh</p> <p>F.CH:0+008 Ch.: 0+010.5 - 11.75 Installation of rock bolts and packing with mortar Ch.: 0+018 - 0+008 2nd pass of 1st layer SC (PS Qty = 8m³)</p>	<p>Ch.:0+65.50~0+61.75 Grouting for rock dowels (Total=23pcs Grouted) F.Ch.: 0+052 (Approx.) Ch.: 0+42.0-0+47.0 Fixing of rebar mesh i-1 F.ch:0+241.0 No activity</p> <p>Night I1 F.ch:0+241.0 No activity</p> <p>i-3 F. Ch Approx. 0+241.0 (D/S) Ch.:0+165-0+175 Rectification of Rebar-mesh on wall</p> <p>U/S Ch.:0+65-0+61 Fixing of Rebar-mesh</p> <p>Ch.:0+45-0+50 Fixing of Rebar-mesh</p>	<p>Ch.: 0+43.0-0+49.0 Fixing of 1st layer rebar mesh</p> <p>F.Ch.: 0+008 (Approx.) Ch.: 0+022.0-0+016 installation of 1st layer rebar mesh</p> <p>Ch.: 0+200 - 241 Marking of rock dowels pullout test locations</p> <p>Night i-1 F.ch:0+241 Ch.:0+241-0+235 Invert excavation by jack hammer i-3 F. Ch Approx. 0+241.0 (D/S) Ch.:0+120-0+135 Rectification of Rebar mesh on wall 8m³ SF SC is rejected due to Hard slump (80mm)</p> <p>U/S F.ch:0+59 (approx.) Ch.: 0+067.0-0+062.0 Fixing of rebar mesh</p> <p>F.Ch.: 0+052 (Approx.) Ch.: 0+36.0-0+49.0 Fixing of supporting steel pins</p>	<p>Ch.: 0+38.0-0+49.0 08:50-17:30) Rectification of 1st layer rebar mesh</p> <p>F.Ch.: 0+008 (approx.) Ch.: 0+18.0-0+012.0 Rectification of 1st layer rebar mesh</p> <p>F.Ch.: 0+008 (approx.) Ch.: 0+18.0-0+012.0 Rectification of 1st layer rebar mesh</p> <p>Night i-3 F. Ch: 0+241.0 (D/S) Ch: 0+100-0+110.0 Invert drilling for blast CH:0+194-0+100 Fixing of rebar mesh on wall U/S F.ch:0+59.0~(approx) Ch.: 0+074-0+062 Rectification of rebar mesh F.Ch.: 0+052 (approx.) Survey for Blast Drilling for Blast Charging for Blast (Exp=125.0kg) Blast conducted Note: delay of Drilling due to drilling jumbo break down & electricity breaker problem. F.Ch.: 0+004 (approx.) Survey for Blast Drilling for Blast Charging for Blast (Exp=115.0kg) Blast conducted</p> <p>F.Ch.: 0+052 (approx.) Ch.: 0+38.0-0+49.0 Rectification of rebar mesh</p> <p>F.ch:0+59.0~(approx.) Ch.: 0+074.0-0+63.0 Rectification of rebar mesh layer rebar mesh on wall</p>	<p>Rectification of rebar mesh in crown. i-3 F. Ch: 0+241.0 (D/S) F.ch:0+59.0~(approx.) Ch: 0+074.0-0+062.0 Rectification of 1st layer rebar mesh Shotcrete 2nd layer (8m³ SF)</p> <p>F.Ch.: 0+055(approx.) Mucking and scaling</p> <p>F.Ch.: 0+001 (approx.) Ch.: 0+005-0+001 Mucking and scaling Survey for blast Drilling for blast</p> <p>Night I1 F.ch:0+241 Ch.: 0+155-0+145 21:00-) Rectification of rebar mesh on crown.</p> <p>i-3 F. Ch: 0+241.0 (D/S) Ch.:0+190.0-0+196.0 Fixing of rebar mesh on right wall</p> <p>F.Ch.: 0+059.0(approx.) Survey for blast Drilling for blast Charging for blast (Exp=175.0kg) Blast conducted Note: Charging on both faces Ch.0+59.0-0+55.0, Approved AFI is only for Ch.:0+59.0</p> <p>F.Ch.: 0+001 (approx.) Survey for blast Drilling for blast Charging for blast (Exp=65kg) Blast conducted</p>	
Transformer Cavern Pilot Tunnel I-2	<p>Day No Activity</p> <p>Night F. Ch:0+241.0~(D/S) ch.0+00 U/S</p>	<p>Day F. Ch:0+241.0~(D/S) Ch.: 0+00 Fixing of plates for rock dowels</p> <p>Night</p>	<p>Day No Activity</p> <p>Night</p>	<p>Day F. Ch:0+241.0~(D/S) Ch.: 0+200 - 241 Marking of rock dowels pullout test locations</p>	<p>Day Ch.: 0+130-0+110 Rectification of rebar mesh.</p>	<p>F Day No Activity</p> <p>Night No Activity</p>	<p>Day F. Ch:0+241.0~(D/S) Ch.: 0+150-0+140</p>

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	Grouting of rock bolts at face 9 pcs L=6m Ch...0+115-0+130.0 Rectification of rebar mesh Ch.0+00 Wire mesh fixing on face Suspended due to grouting Again wire mesh fixing	Night No Activity	Ch.: F. Ch:0+241.0~(D/S) Ch.:0+130-0+149 Rectification of Rebar-mesh on wall	Ch.: 0+25-0+60 Removal of cracked shotcrete at left wall. (Contractor is told to scale the area properly before applying shotcrete. Night No Activity	Ch.: 0+25.0-0+60 .0 Remedial Shotcrete on cracks area. (Qty=16m ³ PS) Night No Activity		Rectification of rebar mesh on left wall. Night No Activity
Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2	Day F. Ch:0+241.0~(D/S) Approx. Ch.:0+170 - 220 Rectification of 2nd layer rebar mesh on left wall Night F. Ch:0+241.0~(D/S) Ch.:0+200-0+215 Rectification of 2nd layer rebar mesh Ch.:0+22-0+235 Rectification of 2nd layer rebar mesh U/S Face Fixing of wire mesh on face	Day F. Ch:0+241.0~(D/S) Approx. NIGHT F. Ch:0+241.0~(D/S) Ch.:0+120-0+142 Survey for Blast at wall for removing under break Drilling for blast Charging for Blast Blast Conducted Mucking and scaling	Day F. Ch:0+241.0~(D/S) Approx. Ch.:0+200.0-0+235.0 Rectification of 2nd layer rebar mesh on left wall Night F. Ch:0+241.0~(D/S) Ch.:0+190-0+170 Rectification of 2nd layer Rebar-mesh on wall Ch.:0+120-0+130 Survey for under break at wall Drilling for Blast Charging	Day F. Ch:0+241.0~(D/S) Approx. Ch.:0+230.0-0+241.0 Rectification of 2nd layer rebar mesh on left wall Night F. Ch:0+241.0~(D/S) Ch.:0+180-0+160 Rectification of Rebar mesh	Day F. Ch:0+241.0~(D/S) Approx. Ch.:0+200.0-0+241.0 Rectification of 2nd layer rebar mesh on left wall Night F. Ch:0+241.0~(D/S) F.Ch.0+00.0 (U/S) Ch.:0+220.0-0+241.0 3rd layer shotcrete on wall (Qty=8m ³) 3rd layer shotcrete on wall (Qty=8m ³)	Day F. Ch:0+241.0~(D/S) approx. Ch.:0+200-0+170 Rectification of 2nd layer rebar mesh on left wall Night No Activity	Day F. Ch:0+241.0~(D/S) approx. Ch.:0+178-0+150 Rectification of 2nd layer rebar mesh on left wall Ch.:0+000-0+025 Rectification of 2nd layer rebar mesh on left wall Ch...: 0+00 2nd pass of 1st layer Shotcrete on face. (PS Qty = 03m ³) Night No Activity
Powerhouse Cavern Pilot (Crown Portion) PH-I-3 & I-1	Day i-1 I-1, I-2, I-3 0+00 - 0+100 Bond test for I-2 crown side done I-1 I-2 I-3 Ch.: 0+134.0, 0+1.5 Tensioning for trial PS tendons of PSTT01 Night I-1 F. Ch Approx. 0+241.0(D/S) I-1, I-2, I-3 Ch.:0+241-0+230 Invert levelling by Hydraulic jack hammer Ch...0+114-0+120.0 water pressure test for PS tendon	Day i-1 F. Ch Approx. 0+241.0(D/S) I-1, I-2, I-3 0+00 - 0+100 Bond test for I-1 & I-3 crown side done I-1 I-2 I-3 Ch.: 0+1.5, 0+235 Tensioning for trial PS tendons of PSTT01, I3 F. Ch:0+000(U/S) Ch...:0+200.0-0+215.0 Rectification of 1st layer rebar mesh on right wall Night i-1 F. Ch Approx. 0+241.0(D/S) I-1, I-2, I-3 0+081.65- Drilling for PS Tendon Invert excavation mucking and leveling I3 U/S Face Fixing of Wire-mesh on Face	Day i-1 F. Ch Approx. 0+241.0(D/S) I-1, I-2, I-3 Ch.: 0+1.5, 0+235 24hrs Tensioning for trial PS tendons of PSTT01, I3 F. Ch:0+000(U/S) Ch...:0+200.0-0+215.0 Rectification of 1st layer rebar mesh on right wall Night i-1 I-1, I-2, I-3 0+241 Invert Drilling for Blast Note: Drilling without approval Ch.:0+060-0+080 Invert Excavation, Mucking and Levelling Mucking was postponed because excavator bring to	Day i-1 I-1, I-2, I-3 0+020.0-0+035.0 Installation of steel support bars for PS tendons. Ch.: 0+153.0 Drilling for PS tendon up to 14m. I3 F. Ch:0+000(U/S) Ch...:0+210.0-0+195 Rectifications of 1st layer rebar mesh on right wall. Second layer shotcrete PS Qty=8.0m ³ Ch.: 0+185.0-0+175.0 First layer shotcrete on right wall. (8m ³ SF) Night I1 I-1, I-2, I-3 Ch.: 0+00.0-0+030.0 Installation of steel support bars for PS tendons. Ch.: 0+150.0-0+135.0 Drilling for PS tendon up to 14m.	Day i-3 F. Ch:0+241 Approx. D/S Ch...:0+25.0-0+70.0 Second pass of second layer shotcrete on wall (Qty=8m ³) i-1 Ch...: 220 - 241 Survey for 7m Tension Rock bolts Ch...: 0+190 - 210 Pressure Grouting & Packer for 7m Tension Rock Bolts Ch.: 0+005 - 015 Drilling for 07m Tension Rock Bolts Night i-1 F. Ch Approx. 0+241.0 I1, I2&I3 Ch...:0+66.7- Pressure Grouting for 7m Tension Rock Bolts	Day i-1 F. Ch approx. 0+241.0(D/S) I-1, I-2, I-3 Ch.: 0+150-0+155 Drilling for PS tendon up to 14m. Ch.: 0+030-0+050 Installation of steel support bars for PS tendons. I-3 F. Ch:0+000(U/S) Ch...:0+195-0+205 Installations of 2nd layer rebar mesh on right wall. Ch...:0+218-0+230 Installations of 2nd layer rebar mesh on right wall. Night I1 I-1, I-2, I-3 Ch.: 0+120 Drilling for PS tendon up to 14m Ch.: 0+090-0+075 Installation of steel support bars for PS tendons. i-3 Ch...:0+241.0(D/S) Ch...:0+218-0+225	Day i-1 Ch.: 0+130-0+150 Installation of steel support bars for PS tendons. Ch.: 0+131 Marking of locations for 2 trial PS tendons. i-3 F. Ch:0+000(U/S) Ch...:0+195-0+205 Rectifications of 2nd layer rebar mesh on right wall. Ch...:0+230-0+240 Installations of 2nd layer rebar mesh on right wall. Ch.: 0+175-0+195 Shotcrete 2nd go of 1st layer (8m ³ SF) Night i-1 Ch...:0+166.75-0+185.15

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			LPT01 for scaling Invert excavation by jack hammer No Activity		ch.:0+03~0+15.0 Packer Grouting for 7m Tension Rock Bolts Ch.:0+10~0+20.0 Drilling for PS tendons Ch...:0+03~0+15.0 Installation of supports bar for tension rock bolts CH:0+218~0+225 Drilling for Tension Rock bolts	Installations of 2nd layer rebar mesh on right wall.	Water pressure test for PS tendons Ch.: 0+131.0~ Drilling for trial purpose PS tendons. i-3 Ch.:0+236.0~0+241.0 Installations of 2nd layer rebar mesh on wall.
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~ 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	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 Adit Tunnel towards Lower pressure Tunnel No 1	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.5(Approx.) Ch:0+00 - 010.5 Removing of Slush and loose material from the plug area Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.0(Approx.) Invert cleaning	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.0(Approx.) No Activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+010.0(Approx.) No Activity	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+011(Aprox.) Ch.:0. +00.0~0+11.0 Survey for crown under breaks Night Ch.:0+001~0+003 (Crown under break Area) Charging for Blast Exp=10kg Blast Scaling and Levelling Survey for Profile	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+011(Approx.) At Ch.:0+000~0+002 (Crown under breaks additional blast) design support work not done by the contractor. This blast was done without approved AFL. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 No Activity	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch...:0+009.0 Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch...:0+115.0~116.0 Survey for rock dowels Drilling for rock dowels Installation of rock dowels	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 LPT-01 Junction Grouting of additional rock dowels Qty=6pcs (L=6m, D=32mm, Used cement=150kg) Note: 15:15~ Grouting stop due to grouting machine are break down. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 LPT-01 Junction	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 LPT-01 Junction No Activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 LPT-01 Junction First layer shotcrete (PS Qty=3m³)
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+00.0~0+004 (LPT Left wall) No Activity Night	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity Night	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity Night	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity Night	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity

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	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+220.0~0+240.0 Invert cleaning	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity	Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity
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
Connectio n Tunnel to Powerhou se 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	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 Powerhou se Connectio n Tunnel	Day F.Ch.: 0+034.0(Approx.) No Activity due to no workforce available with the contractor Night F.Ch.: 0+034.0(Approx.) No Activity	Day F.Ch.: 0+034.0(Approx.) No Activity due to no workforce available with the contractor Night F.Ch.: 0+034.0(Approx.) No Activity	Day F.Ch.: 0+036.0(Approx.) Survey for blast Night F.Ch.: 0+036.0(Approx.) Drilling for Blast Drilling was suspended due to ventilation issue	Day F.Ch.: 0+036.0(Approx.) Drilling for blast (Holes=44) charging for blast (Exp=50kg) Blast conducted Mucking & scaling Night F.Ch.: 0+036.0(Approx.) Scaling	Day F.Ch.: 0+038.0(Approx.) Mapping (Qv=1.87) First layer shotcrete Survey for blast Drilling for blast Charging for blast Exp=50kg Blast conducted Night F.Ch.: 0+040.0(Approx.) Scaling Night F.Ch.: 0+040.0(Approx.) Mucking	Day F.Ch.: 0+039.0(Approx.) Mapping (Qv=1.87) First layer shotcrete Survey for blast Drilling for blast Charging for blast Exp=50kg Blast conducted Night F.Ch.: 0+041.0.0(approx.) Mucking & Scaling) First layer shotcrete (PS Qty=3m³)	Day F.Ch.: 0+041.0(Approx.) Survey for blast Drilling for blast (45 holes) Charging for blast (Exp = 48 KG) Blast Mucking Night F.Ch.: 0+043.0.0(approx.) Scaling 1st layer shotcrete (PS Qty=3m³) Ch...:0+00.0~0 +27.0 2nd layer of shotcrete (PS Qty=13m³)
Surge Chamber Vault Access Tunnel	Day Junction Enlargement area Ch.: 0+000-0+006 (L/ side) No Activity Night Junction Enlargement area Ch.: 0+000-0+006 (L/Side) Ch.0+09-0+12.0 (R Gallery) survey for blast Drilling for blast Charging for blast (Exp =25kg) Blast conducted	Day Junction Enlargement area Ch.: 0+000-0+006 (L/ side) Scaling and levelling of invert Night Junction Enlargement area Ch.: 0+000-0+006 (L/Side) Ch.:0+000-0+009 1st layer shotcrete Qty=8m³	Day Junction Enlargement area Ch.: 0+000-0+00 6 (L/ side) Mucking Night Junction Enlargement area Ch.: 0+000-0+00 6 (L/G) 1st layer 2nd pass shotcrete Qty=8m³ Ch.: 0+000-0+00 9 (R/G) 1st layer 2nd pass shotcrete Qty=8m³	Day Junction Enlargement area Ch.: 0+000-0+009 (R/Side) Survey for rock dowels Drilling for rock dowels Ch.: 0+000-0+009 (L/ side) Survey for blast for crown enlargement Night Junction Enlargement area Towards Right Gallery 0+00-0+006 Drilling for rock bolts Towards Left Gallery 0+00-0+006 Drilling for rock bolts	Day Junction Enlargement area Towards Right Gallery Ch.: 0+006-0+10. 5 Grouting for rock dowels. (21 Pcs grouted) Ch.: 0+009-0+01 2 (Left side crown enlargement) Charging for blast (Exp=25 kg) Blast conducted Night Junction Enlargement area Ch.: 0+009-0+01 2 (Left side	Day Junction Enlargement area Ch.: 0+005-0+009.5(Rig ht side crown enlargement) Grouting of rock dowels (4 pcs) Ch.: 0+009-0+012 (Left side crown enlargement) Shotcrete 1st layer on crown section. (3.2 m³) Ch: 0+03.5-0+006.5 Grouting of rock dowels (07Pcs grouted) Night Junction Enlargement area Ch.: 0+03.0-0+08.0 (Right side) Fixing of wire mesh	Day Junction Enlargement area Ch.: 0+002.5-0+00 9.5 (Right side crown enlargement) Fixing of wire mesh on right side enlargement. (6 pcs fixed) Night Junction Enlargement area Ch.: 0+002.5-0+00 9.5 (Right side crown enlargement) Fixing of wire mesh on right side right wall. (5pcs)

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					crown enlargement) Mucking		
Drain Tunnel	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	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	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	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	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	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	Ch.: 0+290~0+320 NO Activity	▼982.0 Ch.:0+137~0+139 Excavation	▼982.0 Ch.:0+137~0+139 Excavation	▼982.0 Ch.:0+137~0+139 Excavation	▼982.0 Ch.:0+137~0+139 Excavation	▼982.0 Ch.:0+137.0~0+139.0 Drilling for boulder blast Ch.:0+139.0~0+145.0 Excavation	▼982.0 Ch.:0+139.0~0+141.0 Drilling for blast Charging for blast Exp=100kg No of holes=25 Blast conducted Excavation & loading
CT-2	Day F. Ch: 0+070.5 Shotcrete 1st layer (7m ³ PS) scaling & Invert leveling Survey for blast Drilling for blast Night F. Ch: 0+67.5 Ch.0+070.5 Drilling for blast charging for blast (Exp=185kg) Blast conducted Mucking and scaling continue Ch.0+66.5 Drilling for rock dowel Grouting and installation of rock dowel 9pcs	Day F. Ch: 0+073.0 Mapping (Qv=1.45) shotcrete 1st layer (Qty= 3m ³ PS) Ch.: 0+067.5~0+070.5 Shotcrete 2nd layer (Qty=4m ³ PS) Ch.: 0+068.5 Drilling for rock dowels Grouting for rock dowels (7 Pcs grouted, 1 pc rejected due plate not contacted with surface, 1 pc remaining) Ch: 0+70.5~0+073 Shotcrete 1st layer 2nd pass. (Qty= 3m ³ PS) Night F. Ch: 0+67.5 Ch.0+073 Survey for blast Drilling for blast Charging for blast blast conducted	Day F. Ch: 0+076.0 (Approx.) Mapping (Qv=1.45) shotcrete 1st layer (Qty= 3m ³ PS) Ch.: 0+66.5~0+70 Shotcrete 2nd layer (Qty=4m ³ PS) Ch.:0+076.0 Survey for blast Drilling for blast Night F. Ch: 0+67.5 Ch.0+073 No Activity Drilling Jumbo was break down during drilling	Day F. Ch: 0+076.0 Installation of dewatering pipe. Survey for blast Drilling for blast Night No Activity	Day F. Ch: 0+076.0~0+076.0~ Mucking & sculling Mapping Qv=1.67 Installation of dewatering pipe. First layer shotcrete Qty=4.0m ³ Installation of ventilation duct Night F. Ch: 0+79.0 Drilling for blast Ch...:0+070.0~0+074.0 Drilling for rock dowels Grouting of rock dowels (17pcs, 1pcs missing) Charging for blast (Holes=112, Exp=)	Day F. Ch: 0+082.0~ Charging for additional Blast conducted Mucking & scaling Mapping Qv=1.55 First layer shotcrete Qty=5.0m ³ Installation of dewatering pipe. Night F. Ch: 0+82.0 Ch...:0+79.0~0+81.0 Drilling for rock dowels Grouting for rock dowels (Grouted=18pcs) Drilling for blast	Day F. Ch: 0+082.0~ Drilling for blast Charging for blast Exp=191kg Blast conducted Mucking & scaling Charging for additional blast Exp=100kg Additional blast conducted Installation of supporting steel bars for site barricading by blind sheets beside sedimentation tank. Night F. Ch: 0+85.0(approx.) Mapping First layer shotcrete (PS Qty=7m ³) Ch...:0+83.0 Drilling for rock dowels (09pcs)
Switch Yard Compound	No Activity	El: ▼968~980 (6th layer) Shotcrete 2nd layer on wire mesh. (Qty=4m ³) El: ▼930~935 Excavation	El: ▼930~935 Excavation	Day El: ▼968~980 (6th layer) shotcrete 2nd layer (4m ³ PS) El: ▼940~950 (3rd layer) Excavation El: ▼960~970 (5th layer) Excavation Night	Day El: ▼968~980 (6th layer) No Activity El: ▼940~950 (3rd layer) Excavation El: ▼960~970 (5th layer) Excavation	Day El: ▼968~980 (6th layer) No Activity El: ▼940~950 (3rd layer) Excavation El: ▼960~970 (5th layer) Excavation Night	Day El: ▼968~980 (6th layer) 2nd layer shotcrete on 6th layer (Qty=5m ³) El: ▼950~960 (5th layer) Excavation

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				El: ▼968~980 (6th layer) shotcrete 2nd layer (8.0m ³ PS)	Night El: ▼940~950 (3rd layer) Excavation El: ▼960-970 (5th layer) Excavation El: ▼968~980 (6th layer) 2nd layer shotcrete on 6th layer (Qty=8m ³)	El: ▼940~950 (3rd layer) Excavation El: ▼960-970 (5th layer) Excavation El: ▼968~980 (6th layer) 2nd layer shotcrete on 6th layer (Qty=8m ³)	El: ▼940~950 (3rd layer) Excavation El: ▼968~980 (6th layer) 2nd layer shotcrete on 6th layer (PS Qty=3m ³)
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
Rate/Day Location	22 Friday	23 Saturday	24 Sunday	25 Monday	26 Tuesday	27 Wednesday	28 Thursday
Main Access Tunnel	DAY F. Ch:0+963 No Activity due to Limited resources Design Excavation is completed. But support work is remaining. NIGHT F. Ch:0+963 No Activity due to Limited resources 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 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 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 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 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 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 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.	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 F ch:0+057.0 No Activity Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity Night F ch:0+057.0 No Activity
Exhaust Tunnel	Day F. Ch:0+193 Design excavation is completed only support work is remaining. Night F. Ch:0+193 No Activity due to Limited resources Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining. Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining. Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining. Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining. Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining. Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining. Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.
Service Tunnel C	Note: -Design Excavation (450 m) has been Completed. Ch.:0+341~0+359.0 Grouting for rock dowels	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	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 Tunnel i-2	Day F. Ch:0+241.0~(D/S) Ch.: 0+00	Day F.Ch. 0+241.0 No Activity Night	Day F.Ch. 0+241.0 No Activity	Day F.Ch. 0+241.0 No Activity Night	Day F.Ch. 0+241.0 No Activity	Day F.Ch. 0+241.0 No Activity Night	Day F.Ch. 0+241.0 No Activity Night

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	rectification of wire mesh on face Night F.Ch. 0+241.0 No Activity	F.Ch. 0+241.0 No Activity	Night F.Ch. 0+241.0 No Activity	F.Ch. 0+241.0 No Activity	Night F.Ch. 0+241.0 No Activity	F.Ch. 0+241.0 No Activity	F.Ch. 0+241.0 No Activity	
Transformer Cavern Pilot Tunnel I-1 and I-3	Day i-1 F.ch:0+241.0 Ch: 0+230.0~0+240.0 Invert drilling for blast Ch.: 0+150~0+140 Rectification of rebar mesh in crown. Ch: 0+000~+0+050 Installation of support bars for extension ventilation duct. i-3	F. Ch Approx. i-3 Ch.: 0+052 - 0+059 First layer shotcrete PS (Qty=8m³) Ch.: 0+038 - 041 2nd pass of 2nd layer shotcrete SF (Qty = 04m3) Ch.: 0+070 - 061 2nd pass of 2nd layer Shotcrete SF (Qty = 04m3) Ch.:0+80~0+75 Installation of rebar mesh on right wall F.Ch.: 0+000 (approx.) Ch.: 0+0.5~0+9.5 Drilling by Z219 for rock dowels Installation of rock dowels	Day i-3 F. Ch: 0+241.0 (D/S) Ch.: 0+052 - 059 Installation of rock dowels is in progress. Ch.: 0+000.5~0+009.5 Installation of remaining rock dowels. I1 F.ch:0+241.0 Ch.: 0+110 - 125 Rectification of rebar mesh in crown. Night I3 F.Ch.: 0+000 (approx.) Ch.: 0+000.5~0+009.5 Grouting of rock dowels. Ch.:0+70.0~0+75.0 Fixing of 1st layer rebar mesh	Day i-3 F. Ch: 0+241.0 (D/S) Ch.: 0+052 - 059 Installation of rock dowels is in progress. Ch.: 0+000.5~0+009.5 Installation of remaining rock dowels. I1 F.ch:0+241.0 Ch.: 0+110 - 125 Rectification of rebar mesh in crown. Night I3 F.Ch.: 0+000 (approx.) Ch.: 0+000.5~0+009.5 Grouting of rock dowels. Ch.:0+70.0~0+75.0 Fixing of 1st layer rebar mesh	Day i-3 F. Ch: 0+241.0 (D/S) Ch.: 0+052 - 059 Installation of rock dowels is in progress. Ch.: 0+000.5~0+009.5 Installation of remaining rock dowels. I1 F.ch:0+241.0 Ch.: 0+110 - 125 Rectification of rebar mesh in crown. Night I3 F.Ch.: 0+000 (approx.) Ch.: 0+000.5~0+009.5 Grouting of rock dowels. Ch.:0+70.0~0+75.0 Fixing of 1st layer rebar mesh	Day i-3 F. Ch: 0+241.0 (D/S) Ch.: 0+052 - 059 Installation of rock dowels is in progress. Ch.: 0+000.5~0+009.5 Installation of remaining rock dowels. I1 F.ch:0+241.0 Ch.: 0+110 - 125 Rectification of rebar mesh in crown. Night I3 F.Ch.: 0+000 (approx.) Ch.: 0+000.5~0+009.5 Grouting of rock dowels. Ch.:0+70.0~0+75.0 Fixing of 1st layer rebar mesh	Day i-3 F. Ch: 0+241.0 (D/S) Ch.: 0+052 - 059 Installation of rock dowels is in progress. Ch.: 0+000.5~0+009.5 Installation of remaining rock dowels. I1 F.ch:0+241.0 Ch.: 0+110 - 125 Rectification of rebar mesh in crown. Night I3 F.Ch.: 0+000 (approx.) Ch.: 0+000.5~0+009.5 Grouting of rock dowels. Ch.:0+70.0~0+75.0 Fixing of 1st layer rebar mesh	
Powerhouse Cavern Pilot tunnel (Crown portion) I-2	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+000.0 (At Face) Survey for rock dowels Drilling for rock dowels. (L=8m) (12 holes) Drilling jumbo break down) Ch.: 0+160~0+175 Shotcrete 2nd layer at left wall (8m³ PS) Night F. Ch:0+241.0~(D/S) F.Ch.0+00.0 (U/S) Installation of rock dowels (Length=8m) Ch.:0+145.0~120.0 Removing of under breaks with jack hammer on wall	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+088~0+110 Rectifications of 1st layer rebar mesh on left wall. Ch.: 0+160~0+150 Rectification of 2nd layer rebar mesh on left wall Ch.: 0+131 WPT of trial PS tendon. Installation of trial PS tendon Ch.: 0+000 Face -Grouting for 08m rock dowels 07pcs grouted & 05pcs drilling has been done but rock dowels are not installed Night Ch.:0+125.0~ Breaking of under break with jack hammer	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+088~0+110 Rectification of 1st layer rebar mesh on left wall. Ch.: 0+131 Arrangements for grouting for 02 trial PS tendons (No Water supply inside) Night F. Ch:0+241.0~(D/S) Ch.:0+200~0+220.0 Rectification of 2nd layer rebar mesh on wall Ch.:0+115.0~0+120.0 Fixing of 1st layer rebar mesh on wall	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+088~0+110 Rectification of 1st layer rebar mesh on left wall. Ch.: 0+131 Arrangements for grouting for 02 trial PS tendons (No Water supply inside) Night F. Ch:0+241.0~(D/S) Ch.:0+200~0+220.0 Rectification of 2nd layer rebar mesh on wall Ch.:0+115.0~0+120.0 Fixing of 1st layer rebar mesh on wall	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+088~0+110 Rectification of 1st layer rebar mesh on left wall. Ch.: 0+131 Arrangements for grouting for 02 trial PS tendons (No Water supply inside) Night F. Ch:0+241.0~(D/S) Ch.:0+200~0+220.0 Rectification of 2nd layer rebar mesh on wall Ch.:0+115.0~0+120.0 Fixing of 1st layer rebar mesh on wall	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+088~0+110 Rectification of 1st layer rebar mesh on left wall. Ch.: 0+131 Arrangements for grouting for 02 trial PS tendons (No Water supply inside) Night F. Ch:0+241.0~(D/S) Ch.:0+200~0+220.0 Rectification of 2nd layer rebar mesh on wall Ch.:0+115.0~0+120.0 Fixing of 1st layer rebar mesh on wall	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+088~0+110 Rectification of 1st layer rebar mesh on left wall. Ch.: 0+131 Arrangements for grouting for 02 trial PS tendons (No Water supply inside) Night F. Ch:0+241.0~(D/S) Ch.:0+200~0+220.0 Rectification of 2nd layer rebar mesh on wall Ch.:0+115.0~0+120.0 Fixing of 1st layer rebar mesh on wall	Day F. Ch:0+241.0~(D/S) approx. Ch.: 0+088~0+110 Rectification of 1st layer rebar mesh on left wall. Ch.: 0+131 Arrangements for grouting for 02 trial PS tendons (No Water supply inside) Night F. Ch:0+241.0~(D/S) Ch.:0+200~0+220.0 Rectification of 2nd layer rebar mesh on wall Ch.:0+115.0~0+120.0 Fixing of 1st layer rebar mesh on wall
Powerhouse Cavern Pilot (Right Crown Portion) I-3 & I-1	Day i-1 Ch.:0+166.75~0+185.15 Installation of steel support bars for PS tendons. I-3 F. Ch:0+000(U/S) Ch.:0+195~0+188	Day i-1 Ch.:0+170.0 Drilling for PS tendons for up to 14m. I3 F. Ch:0+000(U/S) Ch.:0+195~0+188 Rectification of 1st layer rebar's mesh on right wall.	Day I-1 Ch.:0+170.0~0+190 Tensioning of 2 out of 3 trail tension rock bolts (60 grade) I-3 No Activity Night I1	Day I-1 Ch.:0+170.0~0+190 Tensioning of 2 out of 3 trail tension rock bolts (60 grade) I-3 No Activity Night I1	Day I-1 Ch.:0+170.0~0+190 Tensioning of 2 out of 3 trail tension rock bolts (60 grade) I-3 No Activity Night I1	Day I-1 Ch.:0+170.0~0+190 Tensioning of 2 out of 3 trail tension rock bolts (60 grade) I-3 No Activity Night I1	Support work was in progress Wire Mesh Installation Water Pressure Test	Support work was in progress Wire Mesh Installation Water Pressure Test

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	<p>Fixing of 1st layer rebar mesh on right wall.</p> <p>Ch.:0+210~0+240 Rectifications of 2nd layer rebar mesh on right wall.</p> <p>Night i-1 f.Ch.:0+241.0(U/S) F.Ch.:0+00.0 (U/S) . I-1, I-2, I-3 Ch.:0+03.0~ Water pressure test for PS tendons Ch.: 0+109.50 Installation of steel support bars for PS tendons. Ch.:0+166.0~ Drilling for PS Tendons up to 13.5m on face</p>	<p>Ch.:0+170.0~0+135.0 First layer shotcrete on wall Qty=8.0m³ (sf) Ch.:0+230~0+241 Rectification of 2nd layer rebar's mesh on right wall. Ch.: 0+000 Face(I2) CH:0+000 Face(I3) Drilling for 08m rock dowels Grouting for 08m rock dowels i2 12pcs grouted</p> <p>Night I1 F.Ch.:0+00.0 (U/S) Ch.:0+14.95~0+21.85 Water pressure test for PS tendons Ch.:0+172.0~ Drilling for PS tendons up to 14m</p>	<p>I1 Ch.:0+130.0 ~ Installation of steel support bars for PS tendons Ch.:0+230.0~0+240.0 Invert drilling for blast i-3 No Activity</p>	<p>Ch.:0+130.0~ Installation of steel support bars for PS tendons Ch.:0+230.0~0+240.0 Invert drilling for blast i-3 No Activity</p>	<p>I1 Ch.:0+130.0 ~ Installation of steel support bars for PS tendons Ch.:0+230.0~0+240.0 Invert drilling for blast i-3 No Activity</p>		
01A Drain Tunnel Left Crown PH I-2	<p>Day F.ch:0+046.0(Approx.) No activity Night F.ch:0+046.0(Approx.) No activity</p>	<p>Day F.ch:0+046.0(Approx.) No activity Night F.ch:0+046.0(Approx.) No activity</p>	<p>Day F.ch:0+046.0 (Approx.) No activity Night F.ch:0+046.0 (Approx.) No activity</p>	<p>Day F.ch:0+046.0(Approx.) No activity Night F.ch:0+046.0(Approx.) No activity</p>	<p>Day F.ch:0+046.0 (Approx.) No activity Night F.ch:0+046.0 (Approx.) No activity</p>	<p>Day F.ch:0+046.0(Approx.) No activity Night F.ch:0+046.0(Approx.) No activity</p>	<p>Day F.ch:0+046.0(Approx.) No activity Night F.ch:0+046.0(Approx.) No activity</p>
Service Tunnel A	<p>Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations</p>	<p>Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations</p>	<p>Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations</p>	<p>Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations</p>	<p>Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations</p>	<p>Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations</p>	<p>Day F. Ch:0+567.5 No Activity due to resource limitations Night F. Ch:0+567.5 No Activity due to resource limitations</p>
Penstock Adit Tunnel towards Lower pressure Tunnel No 1	<p>Day Lower Pressure Tunnel 01 Ch.:0+011(Approx.) LPT-01 Junction No Activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+011(Approx.) LPT-01</p>	<p>Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+009.0 No Activity</p> <p>Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.:0+009.0 No Activity</p>	<p>Day Lower Pressure Tunnel 01 Ch.: PAT- LPT Junction Drilling for rock dowels (additional support) (70 holes) on face and left wall. Grouting of additional rock dowels dia=25mm L=3m. (22pcs grouted)</p>	<p>No Activity due unsecure support work Crown Enlargement</p>	<p>No Activity due unsecure support work Crown Enlargement</p>	<p>No Activity due unsecure support work Crown Enlargement</p>	<p>No Activity due unsecure support work Crown Enlargement</p>
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	<p>Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity</p> <p>Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity</p>	<p>Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity</p> <p>Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+021 No Activity</p>	<p>Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (towards manifold) F. Ch: 0+235~0+251 Survey for invert concrete. Ch.: 0+245~0+251</p>	<p>Night PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) PAT-LPT2 Junction Area First layer SF shotcrete Qty=8m³</p>	<p>No Activity due unsecure support work Crown Enlargement</p>	<p>No Activity due unsecure support work Crown Enlargement</p>	<p>No Activity due unsecure support work Crown Enlargement</p>

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Appendix K [45/48]

			Remedial shotcrete on right and left wall. (5m ³ SF)				
GIS Cavern Access Tunnel from STA	Day F.ch:0+116 No Activity	Day F.ch:0+116 No Activity	Day F.ch:0+116 No Activity	Day F.ch:0+116 No Activity	Day F.ch:0+116 No Activity	Day F.ch:0+116 No Activity	Day F.ch:0+116 No Activity
	Night F.ch:0+116 No Activity	Night F.ch:0+116 No Activity	Night F.ch:0+116 No Activity	Night F.ch:0+116 No Activity	Night F.ch:0+116 No Activity	Night 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.	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.
	Night F. Ch: 0+076 No Activity due to lack of available resources.	Night F. Ch:0+076 No Activity due to lack of available resources.	Night F. Ch:0+076 No Activity due to lack of available resources.	Night F. Ch:0+076 No Activity due to lack of available resources.	Night F. Ch:0+076 No Activity due to lack of available resources.	Night F. Ch:0+076 No Activity due to lack of available resources.	Night F. Ch:0+076 No Activity due to lack of available resources.
Service Tunnel B	Day F.Ch.: 0+041.0(Approx.) Survey for blast Drilling for blast Charging for blast (Exp=50 kg) Blast carried Mucking and scaling	Day F.Ch.: 0+041.0(Approx.) Ch.: 0+027.5-0+040.5 Drilling for rock dowels Note: Drilling was delayed from 10:00 - 14:00 due to ventilation issue Extension of ventilation duct from Junction to STB	Day F.Ch.: 0+041.0(Approx.) No Activity	Day F.Ch.: 0+041.0(Approx.) No Activity	Day F.Ch.: 0+041.0(Approx.) No Activity	Day F.Ch.: 0+043.0(Approx.) No Activity	Day F.Ch.: 0+046.0(Approx.) No Activity
	Night F.Ch.: 0+045.0.0(approx.) Mapping (Qv=1.67) 1st layer shotcrete (SF Qty=3m ³) ch.:0+38.0-0+43.0 Remedial shotcrete (SF Qty=5m ³)	Night F.Ch.: 0+043.0.0(approx.) Ch.:0+27.5-0+40.5 Grouting of rock dowels	Night F. Ch:0+041 No Activity	Night F. Ch:0+041 No Activity	Night F. Ch:0+041 No Activity	Night F. Ch:0+041 No Activity	Night Support work and drilling for Blast
Surge Chamber Vault Access Tunnel	Night Junction Enlargement area Ch.: 0+002.5-0+08(left side crown enlargement) Fixing of wire mesh at left side enlargement (5 pcs)	Day Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at left side enlargement (04 pcs installed)	Day Junction Enlargement area VAT-01 Junction Area Fixing of wire mesh at VAT-1 junction	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at VAT-1 junction	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at VAT-1 junction	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at VAT-1 junction	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at VAT-1 junction
	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at left side enlargement (05 pcs installed)	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at left side enlargement (05 pcs installed)					
Existing shaft tunnel from I1 drain tunnel	Day Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at VAT-1 junction	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at VAT-1 junction	Night Junction Enlargement area Ch.: 0+002.5-0+010 (left side crown enlargement) Fixing of wire mesh at VAT-1 junction
	Night Vertical Existing shaft No Activity	Night Vertical Existing shaft No Activity	Night Vertical Existing shaft No Activity	Night Vertical Existing shaft No Activity			
Drain Tunnel	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	Day F.Ch. 0+949.5.0 Design excavation is complete	Day F.Ch. 0+949.5.0 Design excavation is complete	Day F.Ch. 0+949.5.0 Design excavation is complete No activity	Day F.Ch. 0+949.5.0 Design excavation is complete
	Night					Night	

