



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/trm/22- 410

Date: 19th July, 2022

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

Subject: Dasu HPP - MPR No.95 for the Month of June 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.95 (1 Copy)

Copy to:

1. GM/PD DHPP, WAPDA Camp Office Lahore (14 Copies)
2. All J.V. Members (1-copy each)
3. DHC Lahore Office
4. Office file

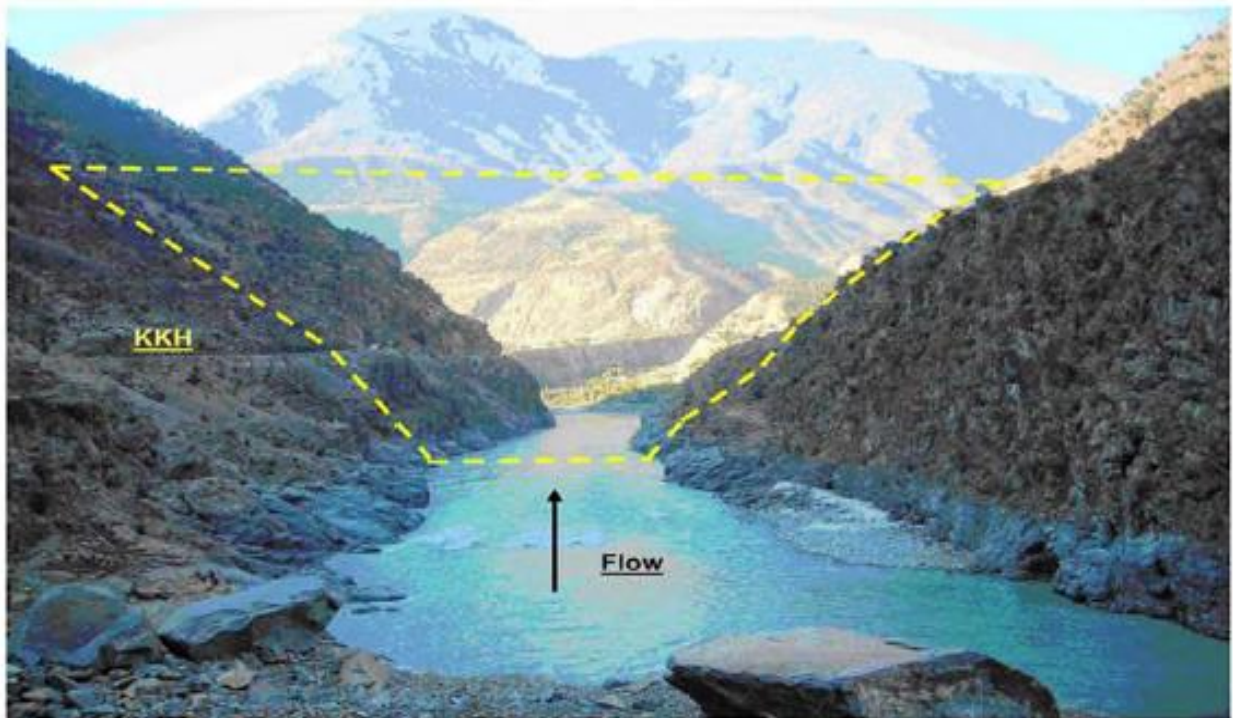


PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY

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. 95

June 2022

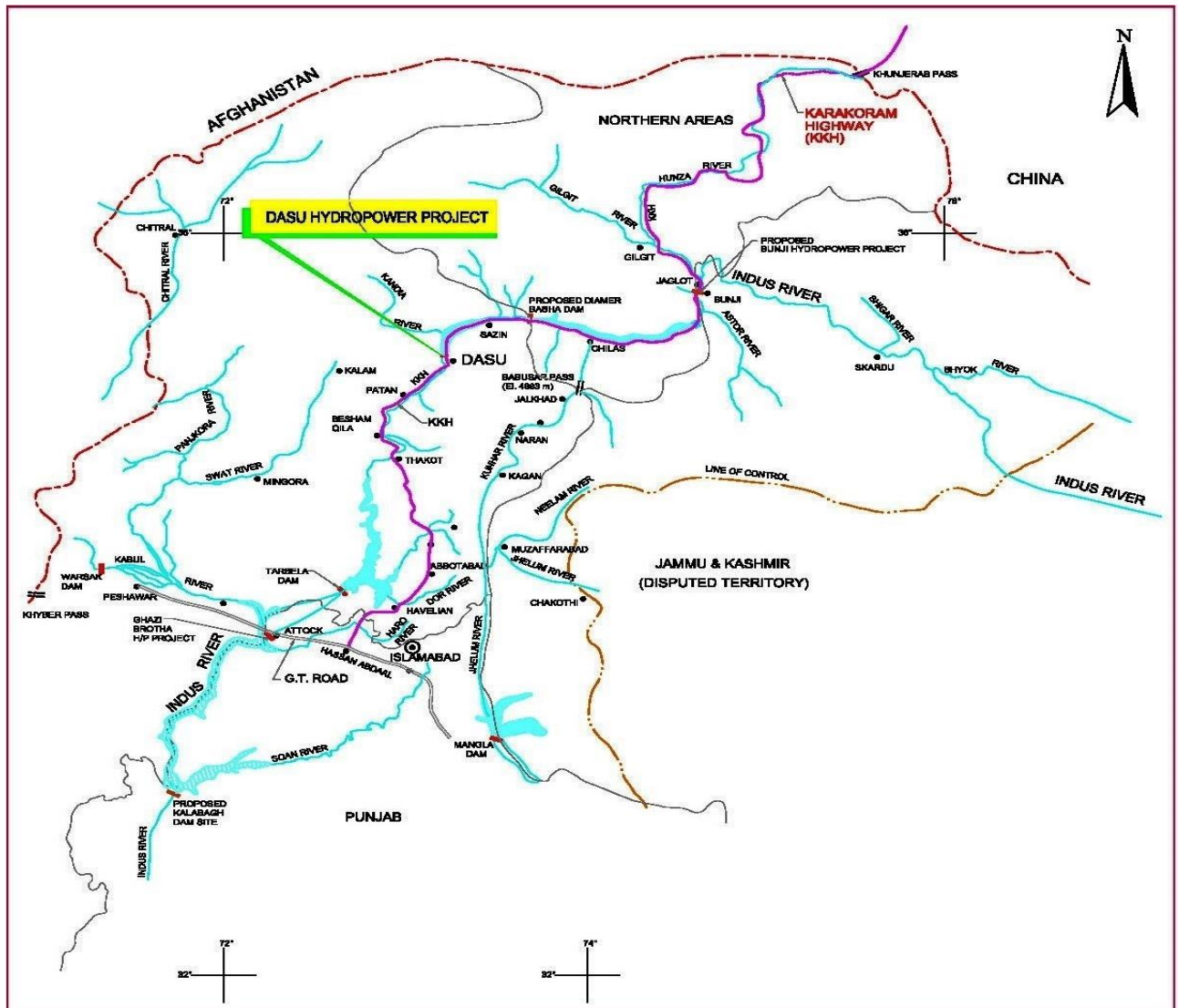
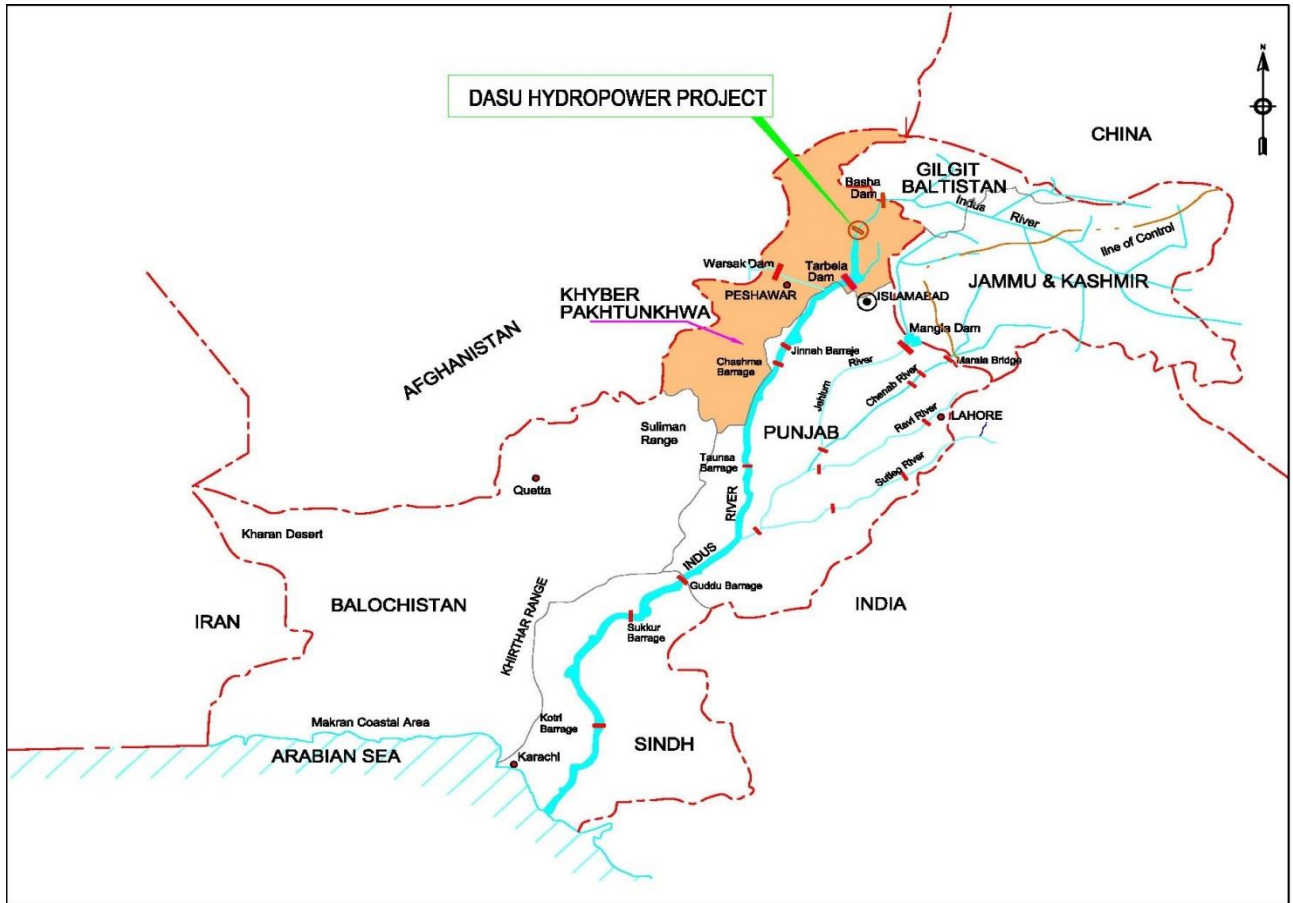
Dasu Hydropower Consultants (DHC)

Joint Venture of



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 June 2022.

1.1 Major Events

- (1) During June 2022, an amount of PKR 86,994,372/- was paid as compensation payment to 131 PAPs of 15 components. A total of 166 cheques were issued by DC office during the month of June 2022.
At the end of June, a total amount of PKR 18.80 billion was paid, including PKR 18.46 billion to 7,485 PAPs through 11,119 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.
- (2) Students of University of Engineering Technology (UET Taxila) visited the site on 2nd June 2022, they were briefed regarding the ongoing works of the project.
- (3) Minister of Water Resources visited Dasu Hydropower Project Site on 12th June 2022 to review the progress of works and discuss major issues in the project.
- (4) Progress review meeting held on 17th June 2022 at Mega Hydel Complex Islamabad, this meeting was chaired by the Chairman WAPDA. The Contractor's schedules, manpower, Variation Orders, etc. were discussed in detail.
- (5) Advisor WAPDA (Mr. Nasir Hanif) visited the Dasu site on the 29th and 30th of June 2022. Overall presentation regarding the progress of all components of the projects was presented. Meetings with the Contractors and the Consultant were held, and various issues to expedite the progress of the works and the ways forward were discussed.

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)
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

Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
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

Facilities	Description	Stage I	Stage II
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 Bank's requirements for implementation and combining both Services for Phase-1 and Phase-2, which is called Stage-I. The Revised Scope of Services for Assignment B is as follows:

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

3.2.3 Reports and Documents

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

Table 3.1: List of Reports and Documents to be provided

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

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

3.2.4 Commencement of the Services

Assignment – A

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

Assignment – B

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

3.3 Staffing Status

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

Table 3.2: Summary of the DHC Staff MMs

Members (1)	MMs as per Approved AM-4 (B) (2)	MMs Consumed up to previous month (3)	MMs Consumed during the month (4)	Accumulated MMs (5)=[3+4]
NK	1,196.70	765.44	14.75	780.19
Dolsar	520.96	308.74	8.07	316.81
Locals	8,950.44	5,185.20	85.93	5,271.13

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	25	94	233	352
Grand Total					377

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

Table 3.4: Arrival of DHC Expatriates at Project

Sr. No.	Name of Staff	Position/Designation	Date of Arrival/Joining	Name of Firm
1	Mr. Serkan Harmandar	Tunnel Design Review Engineer	05 th June 2022	Dolsar
2	Mr. Hiroshi Ogawa	Geo-Technical Engineer	06 th June 2022	NK
3	Mr. Junichi Fukuwatari	Dam Design Specialist	06 th June 2022	NK
4	Mr. Okan Alper	Resident Engineer (KKH-02,RAR-02)	29 th June 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.	Dr. Masud Karim	International Environmental Advisor-B / OHS Expert	01 st June 2022	NK
2.	Mr. Okan Alper	Resident Engineer (KKH-02, RAR-02)	10 th June 2022	Dolsar
3.	Mr. Neil Napoleon	Deputy OHS Lead	15 th June 2022	NK
4.	Mr. Fidencio Mendez	Project Manager	20 th June 2022	NK
5.	Mr. Muharram Engin	Chief Design Engineer (Waterways)	24 th June 2022	Dolsar

Table 3.6: Mobilization of DHC Local Technical Staff at Project

Sr. No.	Name of Staff	Position/Designation	Date of Joining	Name of Firm
1.	Sheraz Khan	Principal Contract Engineer	04 th June 2022	PES
2.	Rana Waris Ali	Sr. Geologist	08 th June 2022	NDC
3.	Muhammad Saleem	Jr. Site Engineer (Dam-3)	16 th June 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 instructed the Contractor to carry out required maintenance of the vehicles as per contractual obligation. [MW-01]
- The Engineer shared his comments to the Employer on the Contractor's request regarding DB matter of Landslide of January 2019. [MW-01 & MW-02]
- The Engineer conveyed the Employer's instruction to the Contractor to pay compensation each to two Pakistani labor's heirs. [MW-01]
- The Engineer submitted his comments on Claim No. C-14, to the Contractor and instructed to provide sufficient translation of supporting documents to have further precedence on subject claim. [MW-01 & MW-02].
- The Engineer replied to the Contractor's letter on inability to transport supplies due to the Islamabad protest, that any claim in this regard would have No Merit. [MW-01 & MW-02]
- The Engineer instructed the Contractor to notify the Engineer on absence of senior staff members of CGGC, well before the date of absence. [MW-01].
- The Engineer responded to the Contractor with rejection on the proposal of power supply of Uchar No.1 batching and No.1 crushing Plants. [MW-01]
- The Engineer provided clarification to the Employer on payment modalities in respect of royalties and licensing fee payment to mineral development department, KP. [MW-01]
- The Engineer submitted his response to the Employer's letter regarding Contractor's proposal for amicable settlement of the subject referral. [MW-01]
- The Engineer submitted report of Principle of Claim to the Contractor in response to the Contractor's Claim of additional payment for crushing and batching plant.

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

- The Engineer conveyed request of the contractor to the Employer for the extension of advance payment guarantee. [LBRV-11]
- The Engineer instructed the Contractor to extend the insurances for works, injury to personnel and damage to property. [LBRV-11]
- The Engineer sent the approval of the Employer for claim for extension of project guarantees and insurances to the Contractor. [LBRV-12].

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

- The Engineer submitted variation order VO-003 signed by the Engineer to the Contractor for supply and installation of 20mm Dia uPVC for A/C water drainage.
- The Engineer submitted variation order VO-006 signed by the Engineer to the Contractor for supply and installation of HDPE overhead water tank on roof of each colony building.
- The Engineer submitted variation order VO-011 to the Contractor for supply and installation of False Ceiling in project colony building.
- The Engineer submitted variation order VO-012 to the Contractor for supply and installation of joint filler and backing rod in expansion joints of project colony building.
- The Engineer submitted variation order VO-013 signed by the Engineer to the Contractor for omission of non-handed over of 8 units of category-4D and adjacent road (S-11)
- The Engineer requested the Employer to approve the Extension of Time (EOT)

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

- The Engineer acknowledged the Contractor's notice of claim regarding Land and Social issues of Komila Bypass and assigned the claim number as RAR-01/C-16.

- The Engineer acknowledged the Contractor's agreement on the Engineer's determination on the Contractor's claim for Extension of Insurance and Guarantees-RAR-01.
- e) Contract ICB No. DASU-RAR-02:**
- The Engineer assessed the submission of Claim No C-14 and provides his comments that No verification can be undertaken until the official translation of submitted documents are provided.
 - The Engineer responded on the Contractor's submission of inability to transport supplies due to Islamabad Protest.
- f) Contract ICB No. TL-01**
- The Engineer certified the Contractor's Interim Payment Certificate No.60 and sent to the Employer.
 - The Engineer notified the Contractor about the Employer's approval on price adjustment for market inflation for the extended period.
 - The Engineer reminded the Contractor to arrange a meeting with the Employer to conclude the matter of recovery of balance foreign currency component of advance payment.
 - The Engineer submitted the Project Manager's assessment on the Contractor's interim management cost claim for the social insurances of Chinese staff.
 - The Engineer intimated the Employer about the agreement of the Contractor on Project Manager's assessment on Interim management cost claim.
- g) Contract ICB No. EM-01**
- The Engineer requested the Employer for approval of "Employer's Liability Insurance".
 - The Engineer submitted Project Manager's Assessment on the Contractor's Claim No EM-01/C-02 Additional Cost and Time due to Delayed Handover of Camp Area.
 - The Engineer again submitted his response on the Contractor's Claim No EM-01/C-02 Additional Cost and Time due to Delayed Handover of Camp Area.
 - The Engineer acknowledged the Contractor's notice of claim and titled as "June 2022-Additional Cost of Temporary Fencing and Ground Leveling" and assigned the claim number as EM-01/C-04.
 - The Engineer submitted his comments to the Contractor on cost comparison report of the Contractor for construction of boundary wall at EM-01 site camp.
 - The Engineer requested the Employer to proceed the request of the Contractor for duties and import tax application.
 - The Engineer provided the Principle of Claim on the Contractor's claim for EM-01/C-04 Additional cost of temporary fencing and ground levelling.
 - The Engineer provided the Principle of Claim on the Contractor's claim for EM-01/C-03 Additional cost due to change in Legislation.
- h) Contract ICB No. KKH-01**
- The Engineer notified the Contractor about the absence of the authorized Contractor's Representative and submissions, signed by unauthorized persons.
 - The Engineer conveyed the request of the Contractor to the Employer to provide assistance for the bulk supply of diesel fuel for works.
 - The Engineer certified the Contractor's Interim Payment Certificate No.27 and sent to the Employer.
 - The Engineer requested the Employer for provision of Bitumen Grade 60/70 bulk rate for the purpose of price adjustment.
 - The Engineer instructed the Contractor to extend the Performance guarantee and advance Payment guarantee for the increased value of the Contract after VO-005.
- i) Contract ICB No. KKH-02**
- The Engineer requested the Contractor to coordinate and confirm the resources of adjustment index for foreign currencies.

- The Engineer acknowledged the Contractor's notice of claim and titled the claim as "Delay in Handover of Certain Sections" and given it a unique claim number RAR-01/C-01.
- The Engineer suggested to the Employer potential candidate for dispute board on the request of the Employer.

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

The major DHC activities undertaken during this month:

A) KKH-01 Team

1) Major Activities

- The Engineer has issued the letter for additional land in Reservoir area with handing taking over certificates during reporting month.
- The Contractor has informed to commence the K9 tunnel construction within one week and requested the Employer to deploy security personnel and other security arrangements of the new camp.
- Engineer frequently reminded the Contractor to submit the resource loaded schedule for Tunnels and Bridges. However, he has not submitted yet.

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
30-May-22	CCECC/DASU-KKH-01/22/RFA/OHS/235	resubmission detail X section at K1+318.75 to K1+506.25 on KKH-01	16-June-22	Approved Except as Noted
18-Jun-22	CCECC/DASU-KKH-01/LOGRO-A/RFDA/197	submission shop drawing of logro-A tunnel (K9+140 ~ K10+360)		Under Review
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)		Under Review

B) KKH-02

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

1) Major Activities

- Excavation and blasting at K28 kaigah access Roads and K37 access Roads.
- Excavation started at K 31 Access Road.
- 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.
- Two new access roads at K 45 and K34 has been submitted by the Contractor and has been approved.
- 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.

- Review and approval of Shop drawings for access roads.
- Replying of queries of the Employer on the proposed structures.

C) RAR-01 Team

1) Major Activities

- Joint site visit for checking of completed local access at K11+600.
- Site visit to Komila bypass for checking of excavation activities and work progress.

- Joint site visit for checking and removing of houses & water pipe lines located in ROW at Komila Bypass around between K1+100 to K1+675.
- Joint progress meeting with the Contractor and Employer for Komila bypass.
- Joint visit with Employer to Komila start section regarding breast wall & slope protection.
- Letter issued to Contractor regarding site observation for concrete works for Komila Bypass dated June 28, 2022.
- Letter issued to Contractor regarding compaction of B/Wall foundation methodology for Komila Bypass dated June 24, 2022.
- Letter issued to Contractor for site observation regarding ongoing works dated June 28, 2022.
- Letter issued to Contractor for Hot weathering concrete Precautions dated June 28, 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
01-Jun-22	CCECC/DASU-RAR-01/P-Marking/RFDA/46	Submission of Pavement marking & Stud/Cat Eyes Typical Plan	01/Jun/2022	Approved
05-Jun-22	CCECC/DASU-RAR-01/Local By Pass/RFDA/47	Submission of Local Bypass (K11+700) Excavation Work Done Section	07/Jun/2022	Approved
14-Jun-22	CCECC/DASU-RAR-01/ CP/RFDA/48	submission of typical details for concrete pavement from 11+534.40 to 11+687.50	27/Jun/2022	Approved Except as Noted
18-Jun-22	CCECC/DASU-komila by pass/BC/RFDA/30	submission of komila bypass road way excavation work done section 1. K0+00 to K0+700.00 2. K0+850 to K1+262.50 3. K1+706.25 to K2+312.50	30/Jun/2022	Approved Except as Noted
21-Jun-22	CCECC/DASU-komila by pass/BW/RFDA/31	submission of Revised shop Drawing/BBS of RCC Breast wall from K0+000 To K0+073.055	21/Jun/2022	Approved Except as Noted
22-Jun-22	CCECC/DASU-komila by pass/BW/RFDA/32	Submissions of Revised shop Drawings/BBS of RCC Breast wall from K0+000 To K0+073.055	23/Jun/2022	Approved Except as Noted
26-Jun-22	CCECC/DASU-RAR-01/RFDA/49	Submission of Pavement marking work done 1. K8+981.25 to K12+025.00	28/Jun/2022	Approved
27-Jun-22	CCECC/DASU-RAR-01/Komila bypass/RFDA/33	Submission of Breast wall Structure Excavation work done Section 1. K0+006.25 to K0+031.25	29/Jun/2022	Revise and Resubmit

D) RAR-02 Team

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

1) Major Activities

- Supervision of concrete pouring at Larghani for foundation of cable way transportation system.
- Supervision of excavation work to widen the existing Kandia River access road.
- Checking blasting pattern submitted by the Contractor.
- Meeting with Contractor and Employer regarding slow progress and to star new work faces.
- Review of Contractor's proposal of Heavy Machinery Transportation System at K47+900.
- Review of Contractor Standing Time records and DPR.
- Review of contractor's weekly and monthly progress reports.
- Supervision of site activities including Blasting, Excavation and drilling works.
- Progress meetings with Contractor and Employer.

2) Design Activities

The following design activities are in progress.

- Review and approval of shop drawings for earthwork cross sections.
- Review and approval of shop drawings for cable way and access roads at K47+700.
- Review of Contractor's proposal for design change from K13+200 to K14+400.
- Preparation of construction drawings including alignment, profile and cross sections from K39+800 to K53+963.

3.4.4 TL Section

Major DHC activities undertaken during this month are:

1) Correspondence:

- Prepared the letter regarding Row issue at T 149-T 155(Shaikh banda).
- Prepared the letter regarding handing over of remaining 20 Meter land for Access Road of Grid Station.
- Prepared the letter regarding Internal Conflict of Contractor's erection Team.
- Prepared the letter regarding Delay in concrete at Control House building of Grid Station.
- Prepared letter regarding Submission of Loads & Load Combination for Foundation drawings of Gantries and Revised Foundation Layout Plan of Grid Station.
- Prepared letter regarding Tampering in already Inspected Towers.
- Prepared letter regarding Call for Visual Inspection of Power Transformer at Ghazi Barotha.
- Prepared letter regarding Safety Wall Issue at T-204M & T-204A.
- Prepared letter regarding installation of PLC Foundation in Grid Station.
- Prepared letter regarding delayed delivery of Towers at site and pending procurement.
- Prepared letter regarding reply for approval of Ethernet, Network and Data Switches Brand and Model.
- Prepared letter regarding procurement of internal Electrification and lightning protection.
- Prepared letter regarding Lux, Contact resistance and insulation resistance measurement for PCI-01R Contractor.
- Prepared letter regarding Request for Design, Specification and Location of False Ceiling Lights in Project Office PCI-01R Contractor.
- Prepared letter regarding Earthing Measurement at Site for Buildings PCI-01R Contractor.
- Prepared letter regarding Use of Cable Tie for Cables inside the False Ceiling of WAPDA Project Office Building PCI-01R Contractor.
- Prepared letter regarding Service Cable Layout Design for WAPDA Project Office Cat-1 and Cat-2 Building PCI-01R Contractor.
- Prepared letter regarding Request for Approval of Telephone DB Manufacturer Drawing PCI-01R Contractor.

2) Meetings:

- Progress review meeting of TL-01 with Contractor, WAPDA held on 01 June, 2022.
- Progress review meeting of TL-01 with Contractor, WAPDA held on 10 June, 2022.
- Meeting with NTDC on interface items at Lahore held on 10 June, 2022.
- Meeting on tampering of tower body with Contractor and WAPDA held on 29 June, 2022.

3) Inspection:

- Visual Inspection of Power Transformer at Ghazi Barotha.
- Inspection of towers body material at Lahore.

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

The major DHC activities undertaken during this month are:

a) MW-01

- The Contractor has submitted Technical Proposal on expedite plan of Left Bank Traffic Diversion Tunnel on June 26, 2022 on which the Engineer has responded on June 28th, 2022.
- 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.
- Dispute Board Decision No.1: "Application of Tender Discount" was issued on 20 June 22.
- The Engineer continued to prepare 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.

Received Date	Letter/Reference Number	Title	Reply Date
2-Jun-22	CGGC/MW-01/RFDA/DHC-429	Left Bank Traffic Diversion Tunnel Blasting Design of Type III Section-(D5)	20-Jun-22
16-Jun-22	CGGC/MW-01/RFDA/DHC-430	Left Bank Traffic Diversion Tunnel Blasting Design of Type IV~V Section-(D2)	20-Jun-22
16-Jun-22	CGGC/MW-01/RFDA/DHC-431	Left Bank Traffic Diversion Tunnel Blasting Design of Type III Section-D2	20-Jun-22
16-Jun-22	CGGC/MW-01/RFDA/DHC-432	Design Drawing of Plug Concrete of AT-1-2 and AT-3(2) of Diversion Tunnel-(D4)	26-Jun-22

b) MW-02

1) General

- Submission of Remaining Revised Plans of Construction Environment Action Plan (CEAP) for MW-02.

The Contractor was instructed to resubmit the revised plans as per the comments and suggestion provided by the Engineer.

- Transformer Cavern 1-2 Pre-Splitting Preservation of Structure

The Contractor was instructed to abide by the agreement in principle albeit verbally to resurrect and commence the pre-splitting operation and to re-evaluate the use of explosives throughout the works.

- Powerhouse Cavern I- 2 CH - 0 + 009- 0 + 025.0 Failure to Carry Out Pre-Split Leading to Rockfall # V

The Contractor was instructed to submit an AFI for presplitting only thereafter to submit an AFI 12 hour's presplitting initiation thereafter prior to proceeding with any further blast within the powerhouse cavern. The Contractor should inform the Engineer in recognition towards proceeding with next stage.

- Main Access Tunnel- Service Tunnel-C Junction Traffic Incident

The Contractor was instructed to provide a more rigid disciplined approach to this abhorrent conduct whereby the drivers force other vehicles veer to prevent collision.

This form of ignorance is totally unacceptable and could have caused severe injury or at worst a fatality. The Contractor was reminded that they have not only a responsibility but also an obligation towards a safe working environment.

- Tailrace Site Layout and Segregation from Main KKH from the Works Site and Compound

The Contractor should expedite the traffic Management works that would allow a safe passage to the public transport as well as the Contractors site works and access.

- Kass Magazine Right Bank Erosion Preventative Procedure towards Rock Protection

The Engineer clearly stated that any failure towards the structure will be at the Cost and Time will be at the Contractors own expenditure as dictated within the GC of the Contract and will be solely held in complete responsibility for this in its entirety.

- The Lower Pressure Tunnel Number 2 Collapse.

The Contractor was instructed to abide by the agreement in principle albeit verbally to resurrect and commence the pre-splitting operation and to re-evaluate the use of explosives throughout the works.

- Engineer Comments towards Method Statement of Excavation and Support Surge Chamber Vault Tunnel.

The Surge Chamber Vault Access Tunnel Method Statement was reviewed, Commented, and considered as "Approved as Noted" by The Engineer.

- Engineer Comments on Method Statement of Excavation & Support of Service Tunnel B.

The Service Tunnel B Method Statement was reviewed, Commented, and considered as "Approved as Noted" by The Engineer.

- Plate Load Test Method Statement MW-02.

The Plate Load Test Method Statement was reviewed, Commented, and considered as "Approved as Noted" by The Engineer

- Switchyard Compound Site Condition MW-02

The Contractor was instructed to raise the awareness of the dust (health & safety) along with increasing sprinkling of water through the entire working site with immediate effect.

Failure to carry out this matter shall be clearly reflected within the Contractor monthly IPC under the Environment and Health & Safety.

- Switchyard & Logro Tunnel - A site Condition and Installation of Batching Plant MW-02

The Engineer reminded both Contractors that the works should rectified, and the area's boundaries should be settled to allow both parties to move forward with their respective.

The Contractor was also instructed to remove all the spoil within the designated area as accompanied by the daywork order.

- **Issue of Construction Drawing for MW-02**
The Engineer was issued the Construction Drawings for Tailrace Tunnels Excavation supporting detail and Cross Sections.
- **Temporary Diversion of KKH at Tailrace Outlet Contractor's Camp Area.**
The Contractor was instructed to develop and submit his solution proposal as soon as possible for approval. Although the best solution would be to reconstruct the road in accordance with the approved design with Strick obedience to technical specification and Contractual procedure.
- **The Total Disregard and Mismanagement towards Explosives Storage & Supervision on site of the Tailrace Adit CT- II.**
The Contractor was instructed to propose a new Blasting Management Plan which must include the process of secure management of explosives both from the magazine to the site and the complete management of explosives on site which are awaiting use.
- **SCVAT & Surge Chamber Vault Gallery Junction Ch.0+475.0-0+490.0 Shotcrete Thickness & Installation of Wiremesh.MW-02.**
The Contractor was instructed to rectify the SCVAT junction Ch.0+475-0+490 shotcrete thickness and installation of wire mesh with immediate effect. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **Underground Powerhouse Cavern Crown Ventilation and Illumination.MW-02**
The Contractor was instructed to carry out the immediate installation of Ventilation and illumination as stated within the Contractual referenced documents within the underground powerhouse Cavern as defined with the Technical Specification and design as well as under the General Condition the Contractor should carry out and provide a safe working environment with the correct application and installation of the structural support. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **Underground Powerhouse Cavern I-2 CH.0+050-0+110 Installation of R& Q Support Mesh.MW-02**
The Contractor was instructed to raise his and the awareness of the workforce of the requirements towards the installation of R&Q support mesh throughout the Powerhouse Cavern along with entire working sites with immediate effect. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **Underground Powerhouse Cavern Pilot I-3 Standard of Shotcrete & Rebar Mesh Exposure.MW-02**
The Contractor was instructed to carry out the immediate support of underground Powerhouse Crown I-3 Ch.0+45-0+105 substandard of shotcrete and Rebar Mesh within the Technical Specification and design as well as under the General Condition the Contractor should provide a safe environment with correct application and installation of the structural support. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **Underground Powerhouse Cavern 1st Bench Electrical Components.MW-02.**
The Contractor was instructed to raise his and the awareness of the workforce of the requirements towards the HV cables and components being maintained throughout the Powerhouse Cavern along with entire working sites with immediate effect. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **CR9 Area Diesel Exhaust Fumes Discharged from Fuel Tank.MW-02**
The Contractor was instructed to raise his environmental awareness and under the General condition the Contractor should submit their monthly plan and equipment plan which is clearly laid out within the General condition of the Contract. The Contractor was also informed that

any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.

- **LD-7 Slope Stability Still Unprotected and Realization of Structural Stability.MW-02**
The Contractor was instructed to carry out the Immediate Support work of the LD-7 slope with appropriate slope protection as define within the design as well as under the General Condition the Contractor should provide a safe working environment. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **SCVAT & Surge Chamber Vault Gallery Junction Enlargement.MW-02**
The Contractor was informed that the current working conditions clearly depicts and should rectified with immediate effect. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **Switchyard Slope Protection and Excavation Works.MW-02.**
The Contractor was instructed to carry out the immediate installation of support work as stated with contractual referenced documents within the switchyard slope as well as under the General Condition the Contractor should provide a safe working environment with correct application and installation of the structural support which may render a complete collapse or potential geological slides. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **Transformer Cavern Pilot I-1 Shotcrete Fracture and Potential Detachment CH.0+125.0-0+160.0.MW-02**
The Contractor was instructed to carry out immediate support work within the Transferor cavern I-I shotcrete Fracture and potential detachments ch:0+125-0+160. The Contractor was also informed that any failure to carry out this urgent activity shall be clearly reflected within the Contractor Monthly IPC under the General Condition and Technical specification as referenced and required along with payment as per contract.
- **Issue of Construction Drawing for MW-02**
The Engineer was issued the Construction Drawings for Switchyard Compound Excavation, Excavation Supports, Sections and Embankment Plan.
- **Submission of the Revised Contract Programme R5-D10 of MW-02.**
The Contractor was instructed to update/revise the R5-D10 Programme of MW02 works to proceed further with the review and definition of the schedule for monitoring purposes.

2) Review of Contractor’s Working Drawings

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

Letter Nos.	Title	EAC No.	Reply Date	Remarks
CGGC/MW-02/RFDA/DHC-398	Switchyard Compound Excavation Support (D1)	EAC-22-028	13-Jun-22	
CGGC/MW-02/RFDA/DHC-401	Tailrace Tunnel No. 1 & 2 Excavation and Supporting	EAC-22-029	17-Jun-22	
CGGC/MW-02/RFDA/DHC-402	Pressure Tunnel Manifold First Layer Blasting Design (D2)	EAC-22-027	08-Jun-22	
CGGC/MW-02/RFDA/DHC-399	Adit Tunnel CT-2 for Tailrace Tunnel No. 1 & 2 Portal Support Drawings	EAC-22-026	07-Jun-22	
CGGC/MW-02/RFDA/DHC-403	Blasting Design of Surge Chamber Vault Access Tunnel Junction (D3)	EAC-22-030	20-Jun-22	
CGGC/MW-02/RFDA/DHC-404	Steel Rib Details for Adit Tunnel CT2	EAC-22-031	23-Jun-22	

3) Issued Engineer Instruction

The Engineer issued the following Site Instructions (SIs).

Location	Subject	EI No.	Issue Date
Main access tunnel STC Junction	Main Access Tunnel Service Tunnel C Junction Traffic Incident.	22-34	02-Jun-22
Kass Magazine	KASS Magazine Right Bank Erosion Preventative Procedure toward rock protection.	22-34a	03-Jun-22
Tailrace Site	Tailrace Site Layout and Segregation from Main KKH from the Work Site and Compound.	22-35	03-Jun-22
Adit Tunnel CT-2	Tailrace Traffic Management Plan Tailrace Adit CT-2 (Reminder).	22-36	03-Jun-22
Tailrace site /traffic diversion	Construction of Tailrace Site and Traffic diversion on the existing KKH.	22-37	03-Jun-22
Adit Tunnel CT-2	Adit Tunnel CT2 for Tailrace Tunnel No.1&2 Portal Support Measure prior to next advancement	22-38	06-Jun-22
Adit Tunnel CT-2	Access Adit 2 Cessation of further advancement due to previous incomplete support work	22-39	23-Jun-22
Lower Pressure Tunnel LPT1 & LPT2	Lower Pressure Tunnel stage -1 support recovery Commencement of work in day shift	22-40	24-Jun-22
Power Intake	Intake Trench Excavation Safety Hazard	22-41	29-Jun-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 requested the Contractor to Provide Updated Programme for Remaining Works (Reminder) dated 4th may 2022.
- The Engineer informed the Employer regarding the Extension of Advance Guarantee dated 10th June 2022.
- The Engineer instructed the Contractor to extend of Insurance for Works Insurance against Injury to Personnel and Damage to Property and Insurance for Contractors Personnel LBRV-11 dated 11th June 2022.
- The Engineer responded the Contractor's letter regarding Non-Compliance to Use of Approved Construction Material dated 14th June 2022.
- The Engineer reminded the contractor to comply with the Engineer's Instruction for Road Edge Rock Cutting and Provide the Nalluh Drains Treatment at PAR at Koshee 1. LBRV-11 dated 20th June 2022.
- The Engineer informed the Employer regarding Development of Resettlement Site Khoshe-2 Link-2. LBRV-11 dated 20th June 2022.
- The Engineer responded the Contractor's letter regarding the Violation of SOPs Travelling Foreigners without Escort from Islamabad to Dasu dated 21th June 2022.
- The Engineer Requested the Contractor to Provide Updated Programme for Remaining Works. LBRV-11 dated 20th June 2022.
- The Engineer responded to the Contractor's letter regarding the Delay in Construction of Drain Ditch at RV Khoshe-1 and Uchar 01 Sites LBRV-11 dated 20th June 2022.
- The Engineer submitted to Draft Variation (VO-004) for Omission of Sites LBRV-11 to the Employer dated 21st June 2022.

No working drawings were submitted by the Contractor in March 2022.

b) LBRV-12

- The Engineer requested the Contractor to submit Updated Programme for Remaining Works (Reminder) dated 4th may 2022.
- The Engineer responded to the Contractor's letter regarding Non-Compliance to Use of Approved Construction Material dated 14th June 2022.
- The Engineer responded to the Contractor's letter regarding the Delay in Construction of Drain Ditch at LBRV-12 dated 20th June 2022.
- The Engineer Requested the Contractor to submit Updated Programme for Remaining Works. LBRV-12 dated 20th June 2022.

- The Engineer submitted Draft Variation (VO-004) Regarding Omission of Sites LBRV-12 to the Employer on 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
2-Jun	ZEG/DASU-LBRV-12 NASIRABAD 02/SD/RFDA/028	Submission of shop drawing external water supply of Nasirabad site-02	2/6/2022	Approved
13-Jun	ZEG/DASU-LBRV-12 NASIRABAD 02/SD/RFDA/029	Submission of the proposed shop drawing for the slop protection of PAR from 0+770 to 0+825 & from 0+965 to 1+010 at Nasirabad site 02		

c) RV

- The Engineer informed the Employer regarding the Response to Request for Reply to Initial Audit Observations (for Dasu-RV) Of Wapda Internal Audit for The FY 2019-21 dated 4th June 2022.
- The Engineer responded to the Slow Progress of Construction Works at Choochang Site (Contract Dasu RV) dated 4th June 2022.
- The Engineer asked the contractor to submit the Extension of the Contractors Insurance Policies RV dated 11th June 2022.
- The Engineer informed the contractor regarding the Defect Liability Certificate RV dated 11th June 2022.
- The Engineer asked the contractor to submit the Extension of the Contractor's Insurance Policies dated 14th June 2022.
- The Engineer asked the contractor to Share of Present Employees List along with Police Clearance Certificates dated 16th June 2022.
- The Engineer informed the Employer about the Omission of Remaining Works of Archaeological Site Sahital (Rock Carving Museum) RV dated 20th June 2022.
- The Engineer requested the Employer for the Completion Taking over Certificate #01 for Part of the Works Additional Choochang Site-01 RV dated 20th June 2022.
- The Engineer Requested the contractor to Provide Revised Schedule for Remaining Scope of Works for RV dated 20th June 2022.
- The Engineer Responded the contractor regarding the Completion Certificate of Relocated Plots at Choochang Site-1.RV dated 21st June 2022.
- The Engineer informed the Employer about the Completion taking Over for Part of the Works Relocated Plots of Choochang-1 RV dated 21st June 2022.

d) Project Colony – PCI-01R

- The Engineer responded regarding Slow Progress of Colony Pumped Water Supply System (Varied Works) dated 1st June 2022.
- The Engineer responded regarding the Slow Progress of Uchar Water Supply Pipe Line dated 1st June 2022.
- The Engineer responded to The Contractor, s Request for Design, Specification and Location of False Ceiling Lights in Project Office dated 1st June 2022.
- The Engineer instructed the contractor regarding the Earthing Measurement at Site for Buildings dated 2th June 2022.
- The Engineer responded on Submission of Resource Loaded Programme dt 6th June 2022.
- The Engineer responded on 150-08.06.22-Submission of Resource Loaded Programme dated 8th June 2022.
- The Engineer informed the Employer regarding the Visit for Wood Source (Besham & Fateh Jhang) PCI-01R dated 11th June 2022.
- The Engineer instructed the contractor to submit the Breakdown of Lump Sum BOQ Item PCI-01R dated 13th June 2022.
- The Engineer informed the Employer regarding the V0-01 Supplying and Installation of Joint Filler and Backing Rod in Expansion Joints of Project Colony Building dated 14th June 2022.
- The Engineer informed the Employer regarding V0-011 -Supplying and Installation of False Ceiling (Gypsum Board) in project office building complete in all respect dated 14th June 22.

- The Engineer made Approval of Water Supply Ferrule Assembly Sample for House Connection.PCI-01R dated 20th June 2022.
- The Engineer responded on Payment of the Outstanding Amount RS 17,242,550 with the Contractor (CGICOp) as on 30th April 2022.PCI-01R dated 20th June 2022.
- The Engineer informed the contractor regarding Complain from MS Nawsherwan Swati Builders to Employer Regarding Payment of Outstanding Amount. PCI-01R dt 20th June 22.
- The Engineer responded the Contractor's Submission of 5th Quarterly Environment Monitoring Plan PCI-01R dated 20th June 2022.
- The Engineer responded to the contractors Proposal of Installation Lifts in Project Office.PCI-01R dated 20th June 2022.
- The Engineer issued variation order of Omission of Non-Handed over 08 Units of Category-4D and Adjacent Road (S_11)-Variation (VO-0013). PCI-01R dated 20th June 2022.
- The Engineer requested the Employer to commit Extension of Time and Notice to Correct. PCI dated 21st June 2022.
- The Engineer responded regarding Suspension of Construction Works at Phase-B Area and Hostels.PCI-01R dated 22nd June 2022.
- The Engineer responded regarding the Use of Cable Tie for Cables inside the False Ceiling of WAPDA Project Office Building.PCI-01R dated 23rd June 2022.
- The Engineer Replied to the contractor, s Request for the Approval of Door Lock Sample.PCI-01R dated 24th June 2022.
- The Engineer informed the Employer regarding the Extension in Notice of Correction.PCI-01R dated 25th June 2022.
- The Engineer responded to the contractor, s proposal of Service Cable Layout Design for WAPDA Project Office, Cat-1 and Cat-2 Building.PCI-01R dated 25th 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
28-May	CGICOP/DASU/PCI-01R/RFDA/615	Submission of the bar bending schedule for wpo Septic tank	6/6/2022	Approved
29-May	CGICOP/DASU/PCI-01R/RFDA/616	Submission of the shop drawing for the bar bending schedule for the water storage at intake area	6/6/2022	Approved as noted
29-May	CGICOP/DASU/PCI-01R/RFDA/617	Submission of the shop drawing for the bar bending schedule for the light arrestor foundation and stem column	21-06-2022	Not Required
30-May	CGICOP/DASU/PCI-01R/RFDA/614 R1	Wapda project colony external electrification. Submission of the revised shop drawing for HT and LT poles earthing system	1/6/2022	approved
31-May	CGICOP/DASU/PCI-01R/RFDA/618	Submission of shop drawing of the wardrobe detail for the residence cat-1	1/6/2022	approved as noted
4-Jun	CGICOP/DASU/PCI-01R/RFDA/303 r02	Submission of internal water supply system with for wapda project office residence cat-1 and cat-2	16-06-2022	Approved Except as Noted
5-Jun	CGICOP/DASU/PCI-01R/RFDA/531	Submission of shop drawing for rain water sewerage line cover with block masonry at side of wapda project office building	6/6/2022	Approved Except as Noted
6-Jun	CGICOP/DASU/PCI-01R/RFDA/479 Rev.02	Submission of the shop drawing for the Proposed Safety Grill Design of the Wapda project office building	6/6/2022	Not approved
7-Jun	CGICOP/DASU/PCI-01R/RFDA/619	Submission of the shop drawing for the intake pumped water supply system at intake area	16-06-2022	Returned For Correction
13-Jun	CGICOP/DASU/PCI-01R/RFDA/531-Rev.05	Submission of the shop drawing for the proposed Rian water sewerage line cover with PCC concrete at Side of the wapda project office building	21-06-2022	Approved Except as Noted
27-Jun	CGICOP/DASU/PCI-01R/RFDA/620	Submission of the bar bending schedule for septic tank type A for project colony		
27-Jun	CGICOP/DASU/PCI-01R/RFDA/621	Submission of the shop drawing for the outer steps marble slab top for the res cat 1	28-06-2022	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 & 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) Electromechanical Works

- **Coordination meeting with EM-01 Contractor**
Monthly Progress Meeting with WAPDA, DHC and the Contractor (EM-01) was held on June 24 2022 for discussing the following major topics.
 - Advance payment
 - Handover of remaining base camp area
 - Delivery of first batch
 - Supplier Approval of Auto silt monitoring system
 - Up dated excitation system
 - FAT test
 - Diesel engine generator voltage
 - Lower pit liner drawing
 - Drawing for Approval
 - 1) Generator firefighting system
 - 2) Generator construction
 - 3) Protection system
 - 4) AC load list
 - 5) Main Inlet Valve
 - 6) Powerhouse equipment general arrangement
 - 7) Data for system analysis (transient)

- GIL tunnel modification
- Turbine efficiency unit
- Turbine load calculation
- **Coordination meeting with NTDC**
Coordination meeting with NTDC for discussion on interface items of 765kV switchgear equipment at Dasu power station was held at WAPDA House Lahore.
- **Demarcation EM-01 Contract and NTDC Substation Contract**
In this meeting the demarcation of equipment supplies for NTDC substation contract which will be still evaluation and concluded in July, was discussed.
- **Communication Equipment**
DHC informed that ME-01 supply the 765kV CCVT and Line trap for power line carrier telecommunication between Mansehra substations. No communication media for fiber optic communication system is supplied under EM-01 Contract. NTDC will provide the both PLC and Optic fiber communication equipment at Dasu power station. DHC informed that protocol for NPCC will be IEC via Gateway in the SCADA system in power plant. Protocol will be confirmed by other meeting, but DHC insisted to apply IEC 60 standard.
- **Single line diagram and Protection of 765kV transmission line and Bus at Dasu**
NTDC request to submit the related single line diagram for Dasu power station and its protection system for APPROVAL. NTDC will review the submitted document and make comments. DHC submitted the single line diagram with transmission line protection and bus protection system including soft file copy after meeting. TNDC also insisted that protection Reay for distance protection shall be redundancy system say A and B as adopted for NTDC practical standard. DHC will follow such instruction to add the one distance protection system by Change Oder to ME-01.
- **Capacity of shunt reactor**
NTDC requested to increase the capacity of shunt reactor from 120MVAR to 180MVAR at one circuit at Dasu take-off switchyard. DHC requested NTDC to issue the official instruction to change the capacity at least End of July 2022 which is critical timeline for Shunt Recator design by ME-01 Contractor otherwise the change order will be suspended.
- **Short circuit capacity at Dasu 765kV buses**
DHC informed that rupturing capacity of the 765kV transmission line circuit breaker is 63kA for 1 sec and rating of associated equipment is designed based on this short circuit capacity.
- **Shunt reactor circuit breaker**
NTDC asked HDC for application of shunt reactor CB on the outgoing line. HDC clarified that at present condition, no CB is applied for switching the shunt reactor. Shut ractor is fixed operation by closing disconnector. No consideration of
- **Supervision of Base Camp Construction**
The design drawing of base camp such and land formation, boundary fence and layout of the base building have been checked and commented.

3) 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
25-Feb-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0069	The Reply for Dasu Generator FE Calculation Report of Rotor Spider & Upper Bracket, Generator Load on Foundation for Approval	02-Jun-22	
03-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0107	Submit revised CSCS Architecture drawing and Design Memo	07-Jun-22	
03-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0108	Reply for Discharge and Operating Law calculation submission for approval	07-Jun-22	
08-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0131	Reply for 022-15.02.22-Dasu Generator Lower Bracket FE Calculation Report and Detail Drawings of Upper Shaft	02-Jun-22	
08-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0137	Ba sic design drawing of Draft Tube Cone submission for approval	20-Jun-22	
14-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0139	Interim Claim of Extension of Time for Completion and Cost due to Delayed Handover of Camp Area (No. EM-01/C-02)	10-Jun-22	

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
14-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0141	Typical Section of Boundary Wall for EM-01 Camp	20-Jun-22	
27-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0149	Cost Comparison Report for Construction of Boundary Wall at EM-01 Camp	20-Jun-22	
29-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0151	Notice to Claim - Additional cost of Temporary Fencing and Ground Leveling	20-Jun-22	
29-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0152	Reminder for the Reply for Dasu Generator FE Calculation Report of Rotor Spider & Upper Bracket, Generator Load on Foundation for Approval	02-Jun-22	
29-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0153	Reminder for the Reply for 022-15.02.22-Dasu Generator Lower Bracket FE Calculation Report and Detail Drawings of Upper Shaft	02-Jun-22	
10-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0155	Contractor's Environmental Action Plan (CEAP)	07-Jun-22	
13-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0171	Advance Payment for Local Currency Portion	02-Jun-22	
13-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0176	Monthly Progress Reports and other Reports	03-Jun-22	
13-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0182	Effective Management of Incoming and Outgoing Correspondence	02-Jun-22	
13-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0184	Dasu HPP-Resource Loaded Schedule of EM-01 Contract (Reminder)-Contractor Reply	04-Jun-22	
25-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0192	Comments on Master Plan of Contractor's Camp and Submission of Revised Construction Schedule Rev.4	14-Jun-22	
24-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0193	The interface request about the DAM Control for CSCS	03-Jun-22	
30-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0195	Delayed Approval for the Reply for 022-15.02.22-Dasu Generator Lower Bracket FE Calculation Report and Detail Drawings of Upper Shaft	02-Jun-22	
30-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0199	Delayed Approval for the Reply for Dasu Generator FE Calculation Report of Rotor Spider & Upper Bracket, Generator Load on Foundation for Approval	02-Jun-22	
02-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0069	Submission of Revised Boundary Wall Design for the Contractor's Camp	14-Jun-22	
09-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0107	Dasu EM-01 Site Monthly Report, April,2022	09-Jun-22	
09-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0108	EM-01/C-02-Contractor's Final Claim Report for Delayed Handing Over of Camp Area (4.442ha)	13-Jun-22	
10-Jun-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0131	Submission of Updated Program of Performance V4.0	10-Jun-22	
16-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0161	Delayed Approval for Contractor's Drawings of Lower Pit liner GA for Approval	18-May-22	
16-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0162	Delayed Approval for Contractor's Drawings of Distributor assembly and Shaft Seal for Approval	20-May-22	
23-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0166	Contractor's Representative	24-May-22	
17-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0167	GE reply for 061-08.04.22-Rotor Spider Assembly and Stator Foundation for Approval	27-May-22	
18-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0169	Submission of Boundary Wall Design of the Contractor's Camp	30-May-22	
23-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0174	Request to Provide Security Forces to the Temporary Residence of the Contractor	24-May-22	
24-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0175	Submission of Retaining Wall Drawing and Design Calculation	30-May-22	

3.4.8 Environment Management Section

1. Overall activities

i) Solid Waste Disposal Area

Detailed topographic survey has been handed over to DHC infrastructure section who will design the candidate solid waste disposal site at Kaigah.

ii) 29th Quarterly Environmental progress report submission

The 29th quarterly environmental progress report has been submitted on the new format to WAPDA for onward submission to World Bank and other stakeholders.

iii) 24hrs traffic Count Survey

DHC conducted 24hrs traffic count survey at two locations i.e. start of Komila bazar at Musa hostel (N= 35015'30.58 E=73012'58.59") and Continental hostel (N=35016'41.04" E=73013'26.88"). The total traffic count (both ways) at Komila was 2555 while at Dasu it was

1871 vehicles. The peak traffic noted at Komila starts from 8am in the morning and last till 10pm at night. The suitable time for the DHPP material transportation is 11pm to 6am. If the material transporting vehicles pass the congested bazar during these hours there would less traffic jam.

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 May 2022. The Contractor was instructed verbally during a meeting to incorporate solid waste management measures with supportive pictures.

b) Environmental supervision:

The construction work at KKH-01 has not yet started so the environmental site supervision was conducted only at Komila bypass of RAR-01 during the reporting month. Various non-compliances, such as oil spillage, improper housekeeping and waste management were noted in the Uchaar workshop area near KKH-01 Contractor camp. 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 was conducted on 30th June 2022. The status of pending environmental issues raised in the previous meeting were discussed while two other points were added to the minutes of meetings which were related to waste management practices and housekeeping at Uchaar workshop area. For RAR-01 Oil spillage at Zaal camp was discussed. The contractor informed that the issue will be resolved immediately. Similarly, the contractor was also instructed to dispose the spoil in designated spoil disposal area only. The Contractor was also informed about a wildlife (Monkey) observed near the contractor camp. The contractor was instructed to release the wildlife in the nearby mountain or should be handed over to Wildlife department.

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.

b) Environmental supervision:

The construction supervision continued during the reporting month. Environmental observations noted during the surprise visits were sent to the contractor in Walkthrough environmental inspection reports. The main issues identified at RAR-02 were improper spoil disposal and dust during the excavation work. The Contractor was instructed to engage a dedicated environment staff to address these issues. Similarly, for KKH-02 construction works, two WTEIRs have been sent to the contractor for rectification of the non-compliances i.e. dust, minor oil spillage and improper spoil disposal. The contractor was instructed to rectify the non-compliance and submit report.

c) Monthly meetings:

The monthly environmental progress review meeting was conducted on 30th June 2022. The status of pending environmental issues raised in the previous meeting were discussed for RAR-02. The status of hiring of environmental manager, proper disposal of spoil and suppression of dust was discussed. The Contractor was also instructed to submit the WTEIRs rectification reports.

KKH-02 contractor was invited to attend their maiden environmental meeting. The Contractor was instructed to submit the revised CEAP document by 5th July 2022 and was also instructed to hire environmental manager. Similarly, the contractor was requested to submit the monthly environmental progress report.

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. No major environmental issues were noted but the contractor was instructed to ensure water sprinkling at the construction site.

b) Monthly meetings:

The monthly environmental progress review meeting was conducted on 30th June 2022 to discuss the status of previous pending issues which were to ensure water sprinkling, maintaining housekeeping, minor oil spillage removal at grid station, submission of plan for oversized vehicle movement to the project site. Minutes of meeting were prepared and shared with all stakeholders.

2.4. MW-01 and MW-02

a) Review

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

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.

c) Monthly meetings:

The monthly environmental progress review meeting was conducted on 30th June 2022 to discuss the status of previous issues lingering for very long like: 3rd party quarterly environmental monitoring, Air dispersion modelling for the proposed crushing plant and appointment of environmental director. Other issues like removal of minor oil spillages, training to staff regarding oil changing using drip trays & waste management and also maintenance of CR-2 toilets. New points discussed during the meeting were orientation session on waste management, control dust at Uchaar crusher plant, periodic cleaning of sedimentation tanks and removal of pet animals near CR-9 batching plant. Minutes of meeting were drafted and shared with stakeholders.

d) Monthly spot monitoring:

Supervision of the monthly spot environmental monitoring at MW-01 and MW-02 were conducted on 18th June 2022. All parameters (Turbidity, Dissolved oxygen, conductivity and temperature) for wastewater were satisfactory except pH value. The value exceeded in most of the sedimentation tanks i.e. at CR-02 sedimentation Tank (Batching Plant) was 11.2, 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:

Environmental supervisions were carried out during the month and environmental observations noted were sent to the contractor through walkthrough environmental inspection report. The main issues were minor oil spills and housekeeping. The Contractor was instructed to rectify the issues and submit the report.

b) Monthly meetings:

The monthly environmental progress review meeting was conducted on 30th June 2022 but only Contract manager participated and informed the forum that their contract will be completed by 30th July 2022 and most of their staff are demobilized including the HSE manager. The Contractor was instructed to implement the ECP related to demobilization. The Contractor informed that the camp may be handed over as such to WAPDA.

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 on 30th June 2022 to discuss the status of previous pending issues. License for fuel storage has 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. The Contractor submitted the pending environmental incident report on oil spill near the crush plant of PC-01 on 2nd June 2021.

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 thirteen (13) 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:

6. One Foreign Resident OHS Specialist;
7. One Deputy Lead OHS
8. One OHS Specialist;
9. One Sr. OHS Professional;
10. Two OHS Professionals;
11. Four Field OHS Professionals; and
12. Three Field Inspectors

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 (June 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 June 2022. About 71 acres of land was acquired during the reporting month (June 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 05 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. The GIS Team processed and submitted GIS verification of 12 component during the reporting month.
 - vii. The LA Team also verified cost assessments of nine 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. 86,994,372/- was paid as compensation payment to 131 PAPs of 15 components. during the reporting month (June 2022),
 - ix. The payment of land leasing of Kass area remained in progress. An amount of Rs. 506,765,499/- has been paid to 249 Beneficiaries of various Kass Areas by the end of reporting month (June 2022). Further cheque were not paid during June 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 June 2022, a total amount of PKR 75,619,875/- 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 June 2022, an amount of Rs. 552.80 Million have been paid as ESMR allowance to 159 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 (June 2022), the Working Committee has finalized and forwarded 1207 files to the Field Verification Committee while Field Verification Committee has completed the verification of about 600 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 June 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’s EoT-4 claim has been reviewed, the impacted schedule for the extended time has been analyzed and the preparation of a draft report for the Employer is under finalization.
- ii. Meetings were held with the Contractor (CCECC) regarding the 4th Extension of Time (EoT-4) claim of RAR-01. The Contractor has been instructed to provide a schedule for the varied works of Komila bypass for the Engineer’s agreement to revise the baseline schedule of the Contract. The Contractor has also been requested to provide a resource-loaded schedule for monitoring the progress of the works.
- iii. The Contractor’s updated schedule (R4D11) of MW-01 works was further reviewed and the Contractor was reminded to provide a revised/updated schedule as per the Engineer’s observations.
- iv. The Contractor’s updated schedule (R5D10) of MW-02 was further reviewed and the Contractor was reminded to provide a revised/updated schedule according to the Engineer’s observations highlighted in the letter.
- v. Letters regarding the revised schedules of Project Colony (PCI-01R), and Resettlement Contracts (LBRV-11, LBRV-12) were shared with the Contractors.
- vi. Letters reminding the submission of Resource-Loaded Schedule were sent to contractors.
- vii. The Contractor CGGC has submitted the Contract programme (Baseline Schedule) for KKH-02 works. The Engineer is examining the report and programme according to the scope of the Contract.
- viii. A summarized integrated schedule of Dasu HPP is prepared in accordance with the latest critical activities.
- ix. Prepared presentations for the Chairman WAPDA and Advisor Projects WAPDA regarding the progress review of the Dasu Hydropower Project.
- x. Updated graphs for the number of vehicles based on the procurement of materials for the Dasu Hydropower Project. A presentation was prepared with the overall integration for the traffic management plan.
- xi. 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 controlled and commented on when required; 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 KK-02 and RAR-02 has been commented on and submitted to the Contractor for correction. Hot weather concreting precaution has been submitted to the Contractors.

- 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, Site visit from the GNP natural source processing plant visit has been performed. At the end of the June month, sampling from allocated points at the quarry are being taken and it has not been finished yet. The continuation of Fauji Cement factory production certificates evaluation; Laboratory test trails on proposed Bestway Early Strength cement, as a replacement of cement type III, for Tendons Grout Mix Design are still ongoing. JIANSHANG PLASTIC Industry has been conditionally approved for KKH-01 work. Also, a factory visit has been performed from “Longman Sales Industry” as a source of Geo-synthetics, rubber water stops, expansion joints, and bearing pad for KKH-01 works. In the scope of Colony works, a wood source visit for the provision of doors and related tests have been performed. In the recently started project, PKG-01 Roads, samples have been taken from the proposed sources material.
- 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, grout, 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 KKH-01 and other Dasu HEPP projects.
- 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 field trial of the proposed grout mix design for Tendons has been tested at the site. Field Density Test has been performed at the recently started mobilization site of Electro-Mechanical contractor. 50 mm Aggregate production rate has been 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 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 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. Based on the thermal equation of mass concrete, a thermal analysis of tunnel invert concrete has been evaluated by the Engineer.
- 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, Hydrophilic Water stop samples have been regularly delivered to the 3rd party laboratories for petrographic analysis and Alkali-Silica Reactivity Test in June. The regular monthly sampling and delivery plan continued in June, the same as in previous months. In the scope of the KKH-01 project, samples of aggregates, admixture, cement, and proposed fly ash have been taken and submitted to third-party laboratories. The Contractor is 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 POZZOLAN (GNP source) 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 GINI POZZOLAN material 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 GNP processing plant visit has been performed, and sampling is still ongoing. The Engineer submitted the required tests of Gini 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 interim RCC mix design report.

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.

The optimized conventional concrete mix design (A25) field trial tests with 50 mm maximum Size Aggregates in the scope of Main Works has been performed. Mix trials of Tendon Grout with Early strength cement are still being conducted in the area of the MW-02 works. 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. Optimization of CVC Concrete Mix designs in the scope of MW-01&MW-02 has been started.

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+00 to Km 0+465

- Km 0+664 to Km 0+929

- Km 0+929 to Km 1+393

- Km 1+393 to Km 1+897

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

- Km 11+443.75 to Km 11+431.25

- Km 11+043 to Km 11+143.70

- Km 11+143.75 to Km 11+212.50

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

- Km 8+981 to Km 9+088

- Km 9+088 to Km 10+455

- Km 10+455 to Km 12+058

- **Joint Survey of Sub Base top level at:**

- Km 11+043.75 to Km 11+143.75

- Km 10+820 to Km 11+037

- Km 11+43.75 to Km 11+431

- **Joint Survey of water Bound top level at:**

- Km 9+743.75 to Km 9+4787.50

- Km 11+262.50 to Km 11+450.00

Km11+712.50 to Km 11+885
Km 11+443.75 to Km 11+687.50
Km11+912.50 to Km 12+058.25

- **Joint Survey of Causeway cut off wall Both side at:**
Km 10+790 to Km 10+820
- **Joint survey of as built work done cross section of local access Road at:**
Km +11+600
- **Joint Survey of Causeway Slab at:**
Km 10+790 to Km10+820

ii. RAR 02: Survey Supervision Activities:

- Joint Survey for shallow-hole and split blasting of RAR-02 at RD K12+830 to K12+900
- Joint Survey for shallow-hole and split blasting of RAR-02 at k13+135 to 13+165
- Joint Survey for shallow-hole and split blasting of RAR-02 at RD K13+250 to K13+260
- Joint Survey for shallow-hole and split blasting of RAR-02 at RD K13+180 to K13+200
- Joint Survey for shallow-hole and split blasting of RAR-02 at RD K13+200 to K13+220
- Joint Survey for shallow-hole and split blasting of RAR-02 at RD K13+240 to K13+255
- Joint Survey for boulder blast of access road RAR-02 at RD K30+000 to K30+020
- Joint Survey for classification of geological zone area access road RAR-02 k0+000 to k0+093
- Joint geological Survey for cable foundation rock classification (right bank near DOGA bridge k20+590)
- Joint topographic Survey for temporary access road RAR-02 RD 30+800 TO 33+780 at KANDIA
- Joint Survey for shallow-hole and split blasting of RAR-02 at RD K13+105 TO K13+135
- Joint Survey for shallow-hole and split blasting of access road RAR-02 at RD 31+410 TO 31+460 right side
- Joint Survey for shallow-hole and split blasting of RAR-02 at k13+165 to 13+200
- Joint Survey for classification of geological zone area of RAR-02 k28+000 to k30+000
- Joint Survey for classification of geological zone area of RAR-02 k28+000 to k30+000
- Joint Survey for boulder blast of access road RAR-02 at RD K30+020 to K30+030
- Joint demarcation of access road no1 center line KKH-02
- Joint Survey for shallow-hole and split blasting of RAR-02 at RD K13+240 to K13+250
- Joint Survey for shallow-hole and split blasting cable foundation (right bank near RAR-02 RD K20+590)
- Joint Survey for shallow-hole and split blasting of access road RAR-02 at RD K31+390.5 to K31+410
- Joint Survey for classification of geological zone area of RAR-02 k27+000 to k28+000
- Joint Survey for shallow-hole and split blasting of access road RAR-02 at RD K30+850 to K30+860
- Joint Survey for shallow-hole and split blasting of access road RAR-02 at RD K0+030 to K0+040
- Joint Survey for shallow-hole and split blasting of access road RAR-02 at RD K31+380 TO K31+390.5
- Joint Survey for shallow-hole and split blasting of access road RAR-02 at RD K0+040 to K0+060

iii. Dasu-KKH-01: Survey Supervision Activities

- **Joint survey for the foundation of breast wall at:**
Km 6+125 to 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 6+975 to Km 7+012
Km 8+093 to Km 8+131

- **Joint Topographic Surveys at:**
Topographic survey of K4 tunnel outlet Portal Area
Topographic survey at 4+800 to 5+100
Checking of Road level at Km 6+400 to Km 6+475
- **Joint survey for the foundation of breast wall at:**
Km 6+125 to Km 6+230
Km 8+450 to Km 8+550
Km 8+675 to Km 8+700
Km 19+100 to Km 19+243
- **Joint survey of foundation of Retaining wall at:**
Km 5+975 to Km 5+993
Km 6+975 to Km 7+015
- **Joint Demarcation at:**
Demarcation of Center Line at Km 4+600 to Km 4+750
Demarcation of Catch Line at Km 4+700 to Km 4+800
Demarcation of catch points at Km 4+800 to Km 5+100
Demarcation of center line at Km-4 tunnel outlet
Demarcation of UCHAR access road
Demarcation at new Camp at KHUSHI

iv. Dasu-KKH-02: Survey Supervision Activities

- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+206.5 to RD 0+218.75 KKH-02
- Joint Survey for classification of geological zone area access road No1 RD 0+000 to RD 1+427.1 KKH-02
- Joint Survey for classification of geological zone area access road No2 RD 0+000 to RD 0+598 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+225 to RD 0+237.5 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+325 to RD 0+362.5 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO4 at RD 0+000 to RD 0+050 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+270 to RD 0+325 KKH-02
- Joint topographic Survey for access road KKH-02 RD 36+917 to RD 36+970
- Joint topographic Survey for access road KKH-02 RD 45+740 to RD 45+900
- Joint Survey for classification of geological zone area KKH-02 RD 36+500 to RD 37+500
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+406.25 to RD 0+412.5 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+218.75 to RD 0+225 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO3 at RD 0+025 to RD 0+040 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+250 to RD 0+270 KKH-02
- Joint Survey for classification of geological zone area access road No4 RD 0+000 to RD 0+375 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+660 to RD 0+675 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+630 to RD 0+650 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+362 to RD 0+375 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+130 to RD 0+140 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+375 to RD 0+410 KKH-02

- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+180 to RD 0+270 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+650 to RD 0+656.25 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD 0+675 to RD 0+681.25 KKH-02
- Joint Survey for classification of geological zone area of access road KKH-02 RD 0+000 to RD 0+100.214

v. Project Colony Supervision Activities:

- Joint layout and excavation of storm water trench catch pit 17 to catch 19 at project office building
- Joint survey of bed level of internal sewerage line at servant quarter part A
- Joint layout and excavation of storm water trench catch pit 19 to catch 20 at project office building
- Joint survey of bed level of internal sewerage line at servant quarter part B
- Joint layout and excavation of storm water trench catch pit 20 to catch 21 at project office building
- Joint survey of bed level of internal sewerage line at servant quarter part C
- Joint survey of bed level of storm water trench catch pit 1 to catch pit 3 at project office building
- Joint survey of bed level of internal sewerage line at servant quarter part D
- Joint survey of bed level of storm water trench catch pit 4 to catch pit 6 at project office building
- Joint layout of internal sewerage line at category 1 part B
- Joint survey of bed level of storm water trench catch pit 7 to catch pit 10 at project office building
- Joint layout of internal sewerage line at category 1 part C
- Joint survey of bed level of storm water trench catch pit 11 to catch pit 13 at project office building
- Joint layout of internal sewerage line at category 1 part D
- Joint survey of 1st floor finishing floor level at project office building Grid A to D and 1 to 6
- Joint survey of bed level of storm water trench catch pit 14 to catch pit 15 at project office building
- Joint survey of 1st floor finishing level at project office building Grid A to D and 6 to 11
- Joint survey of 1st floor finishing level at project office building Grid A to D and 11 to 15
- Topographic survey of Phase 2 at project colony
- Joint survey of 1st floor finishing level at project office building Grid A to D and 15 to 18
- Joint layout and excavation of storm water trench catch pit 1 to catch 2 at project office building
- Joint layout of internal sewerage line at servant quarter part A
- Joint layout of internal sewerage line at servant quarter part C
- Joint layout and excavation of storm water trench catch pit 8 to catch 12 at project office building
- Joint layout of internal sewerage line at servant quarter part D
- Joint layout and excavation of storm water trench catch pit 13 to catch 16 at project office building
- Joint survey of bed level of internal sewerage line at servant quarter part E
- Joint survey of ground floor finishing floor level at project office building Grid D to J and 1 to 6
- Joint survey of bed level of internal sewerage line at servant quarter part F
- Joint survey of ground floor finishing floor level at project office building Grid D to J and 6 to 11
- Joint survey of bed level of internal sewerage line at servant quarter part G
- Joint survey of ground floor finishing floor level at project office building Grid D to J and 11 to 15

- Joint survey of bed level of internal sewerage line at servant quarter part HS
- Joint survey of ground floor finishing floor level at project office building Grid D to J and 15 to 18
- Joint layout of internal sewerage line at category 1 part E
- Joint layout of internal sewerage line at category 1 part F
- Joint survey of ground floor finishing floor level at project office building Grid J to N and 1 to 6
- Joint survey of bed level of storm water trench catch pit 15 to catch pit 16 at project office building
- Joint survey of ground floor finishing floor level at project office building Grid J to N and 6 to 11
- Joint survey of bed level of storm water trench catch pit 16 to catch pit 17 at project office building
- Joint survey of ground floor finishing floor level at project office building Grid J to N and 11 to 15
- Joint survey of bed level of storm water trench catch pit 18 to catch pit 19 at project office building
- Joint survey of ground floor finishing floor level at project office building Grid J to N and 15 to 18
- Joint survey of bed level of storm water trench catch pit 19 to catch pit 20 at project office building
- Joint layout of internal sewerage line at category 1 part G
- Joint survey of bed level of storm water trench catch pit 20 to catch pit 21 at project office building
- Joint layout of internal sewerage line at category 1 part H

vi. Resettlement Sites Supervision Activities:

- Jointly Checked the top level of retaining wall at Nasir abad-01
- Jointly Checked the top level of columns of Mosque at Nasir abad-01
- Jointly Checked the top level of beams of Mosque at Nasir abad-01
- Topographic Survey of plots at Nasir abad-02
- Jointly Checked the top level of retaining wall at Nasir abad-02
- Topographic Survey of solid waste area at Nasir abad-01 and 02
- Topographic Survey of Mosque area at Nasir abad-01
- Topographic Survey of solid waste area at Nasir Abad

vii. MW-01 & MW-02

- Joint as built survey at Power House Cavern CH: 0+010 to 0+070
- Joint inspection for excavation of 6th layer at Switchyard Area Compound
- Preparation of as built Cross Sections for KASS Camp EM-01
- Joint survey for invert foundation at Diversion Tunnel-B CH: 0+662 to 0+674 before pouring concrete
- Joint survey for Geological over break at power house CH: 0+001 to 0+010
- Joint survey for invert foundation at Diversion Tunnel-A CH: 0+470 to 0+510 before pouring concrete
- Formwork verification at Diversion Tunnel B 1m concrete before pouring concrete CH: 0+698 to 0+710
- Formwork verification at Diversion Tunnel B 1m concrete before pouring concrete CH: 0+710 to 0+722
- Formwork verification at Diversion Tunnel B 1m concrete before pouring concrete CH: 0+722 to 0+734
- Joint survey for Km confirmation at Power house cavern CH: 0+000 and 0+241
- Joint Formwork verification at Diversion Tunnel B 1m concrete before pouring concrete CH: 0+734 to 0+746
- Joint inspection for geological mapping and survey at downstream portal area of LBTT EL: 867.5m to 865m

- Joint as built survey at Transformer Cavern CH: 0+050 to 0+100
- Joint Formwork verification at Diversion Tunnel B For 1m invert concrete CH: 0+446 to 0+458
- Verification of as built cross sections at traffic diversion tunnel CH: 0+423 to 0+429
- Joint survey for shot Crete at switchyard 4th layer
- Joint survey for formwork 1m concrete at DT-B CH: 0+782 to 0+794 before pouring concrete
- Joint survey for excavation at Switchyard compound area
- joint formwork verification at diversion Tunnel-B 1m concrete CH: 0+796 to 0+808 before pouring left side
- Joint survey for excavation at Switchyard area current situation
- Joint survey for invert foundation at Diversion Tunnel-A CH: 0+670 to 0+710 before pouring concrete
- Joint verification of formwork for 1m concrete at DT-B CH: 0+374 to 0+386 before pouring concrete
- Joint as built survey at Diversion Tunnel A Km: 1+444 to 1+478 for concrete outline thickness verification
- Joint as built survey at Diversion Tunnel B Km: 1+252 to 1+276 for concrete outline thickness verification
- Joint survey after removal of loose material from left side area at switchyard compound
- Joint formwork checked for 1M concrete at DT-B CH: 0+878 to 0+890 right side before pouring concrete
- Verification of as built cross sections of transformer Cavern CH: 0+000 to 0+240
- Verification of as built cross sections of Power House Cavern CH: 0+000 to 0+240
- Joint topographic survey for Ditch at Power intake area current situation
- joint formwork verification at DT-B CH: 0+890 to 0+902 left side before pouring concrete
- Joint as built survey at Low Pressure Tunnel 2 CH: 0+003 to 0+008
- Joint survey for invert foundation at diversion Tunnel-A CH 0+400 to 0+430 before pouring concrete
- Joint survey for Geological over break at lower pressure tunnel CH: 0+000 to 0+010
- Joint survey of formwork and invert 1m concrete pouring at DTB CH: 0+698 to 0+710
- Data Collection at Dam site for land handing over to CGGC
- Joint survey for invert foundation before lean concrete at Diversion Tunnel A CH 0+280 to 0+320
- Joint as built survey at Transformer Cavern CH: 0+154 to 0+200
- Formwork verification at DTB 1m invert concrete CH: 0+470 to 0+482
- Joint boundary demarcation of CGGC camp area in KASS
- Joint survey and geological mapping at first bench Transformer Cavern U/S Face I-2
- Joint survey for invert foundation at Diversion tunnel A CH: 0+130 to 0+170
- Joint survey for invert foundation at diversion Tunnel-B CH: 0+422 to 0+434 left side
- Joint survey for formwork 1m concrete at DT-A CH: 1+137 to 1+149 Right side before pouring
- Joint checked formwork at Diversion Tunnel-B 1m concrete CH: 0+808 to 0+820 left side before pouring
- Joint verification geological over break measurement at Power House CH: 0+207 to 0+210
- Observed water levels at KASS truss bridge and CR-2
- Observed survey data at KASS batching plant boundary
- Joint survey for formwork 1m concrete at DT-A CH: 1+125 to 1+137 Right side
- Joint survey for formwork 1m concrete at DT-B CH: 0+386 to 0+398 Right side
- Joint survey for invert foundation at DT-A CH: 0+360 to 0+400 right side before concrete
- Joint survey for formwork 1m concrete at DT-B CH: 0+890 to 0+902 Right side
- Joint survey for formwork 1m concrete at DT-A CH: 0+921 to 0+933 Right side
- Joint checked formwork at DT-A CH: 0+921 to 0+933 before pouring concrete Right side
- Formwork verification at Diversion Tunnel A outlet Dyke
- Joint as built survey at Power House Cavern CH: 0+070 to 0+100

- Joint survey for invert foundation at Diversion Tunnel-B CH: 0+542 to 0+662 before pouring Concrete
- Water level observations at CR9 truss bridge
- Joint survey for invert foundation at Diversion Tunnel-B CH: 0+662 to 0+674 before pouring Concrete
- Joint formwork verification at DTB outlet Dyke before pouring concrete
- Joint survey of formwork and invert 1m concrete at DTB CH: 0+506 to 0+518
- Water level observations at CR9 truss bridge & as built cross section verification at PHC
- Joint survey of formwork and invert 1m concrete at DTB CH: 0+482 to 0+494
- Joint survey for invert foundation at Diversion Tunnel-A CH: 0+510 to 0+550
- Joint survey for invert foundation at Diversion Tunnel-A CH: 0+240 to 0+280
- Formwork verification at DTB Shear zone area part5 CH: 0+339 to 0+350
- Joint survey of formwork and invert 1m concrete at DTB CH: 0+434 to 0+446 Left Side
- Joint demarcation at KASS Camp for security Check post
- Joint survey for formwork 1m concrete at DT-B CH: 0+434 to 0+446 Right side
- Joint survey for formwork 1m concrete at DT-B CH: 0+806 to 0+818 Right side
- Joint checked formwork at diversion tunnel-A CH: 0+468 to 0+480 right side before pouring concrete
- Joint survey for formwork 1m concrete at diversion tunnel-B CH: 0+818 to 0+830 before concrete
- Joint survey for invert foundation at Diversion Tunnel-A CH: 0+710 to 0+750
- Joint survey for invert foundation at Diversion Tunnel-A CH: 0+820 to 0+860
- Joint formwork checked for 1M concrete at DT-A CH: 1+041 to 1+053 before pouring concrete
- Joint formwork checked for 1M concrete at DT-B CH: 0+866 to 0+878 Left Side
- Jointly survey for Geology Rock classification at Power intake area CR-4
- Verification survey for x-section at left bank traffic tunnel CH: 0+252 to 0+268
- Joint built survey for Geological over break at power house cavern I-2 CH: 0+233 to 0+236
- Joint built survey for Geological over break at power house cavern I-2 CH: 0+236 to 0+239
- Joint built survey for Geological over break at power house cavern I-2 CH: 0+239 to 0+241
- Formwork verification at Diversion Tunnel B For 1m invert concrete CH: 0+506 to 0+518
- Formwork verification at Diversion Tunnel B For 1m invert concrete CH: 0+494 to 0+506
- Formwork verification at Diversion Tunnel B For 1m invert concrete CH: 0+482 to 0+494
- Topographic survey at switchyard
- Geological survey at switchyard
- Formwork verification at Diversion Tunnel B For 1m invert concrete CH: 0+458 to 0+470
- Joint survey for invert foundation at diversion Tunnel-A CH: 0+590 to 0+630 before pouring concrete
- Joint survey for formwork 1m concrete at DT-B CH: 0+422 to 0+434 right side before pouring
- Joint checked formwork at Diversion tunnel-B CH: 0+398 to 0+410 left side before pouring
- Joint checked formwork at Diversion tunnel-B CH: 0+842 to 0+854 R/S before pouring concrete
- Joint checked formwork at Diversion tunnel-B CH: 0+854 to 0+868 R/S before pouring concrete
- Joint survey for invert foundation at Diversion Tunnel-A CH: 0+250 to 0+290 before pouring concrete
- Formwork verification at Diversion Tunnel A inlet middle pier
- Joint survey for formwork 1m concrete at DT-A CH: 1+101 to 1+089 right side before pouring
- Joint survey for formwork 1m concrete at DT-A CH: 1+065 to 1+077 right side before pouring
- Joint survey for formwork 1m concrete at DT-A CH: 1+101 to 1+113 right side before pouring
- Observed water level at KASS truss bridge and at CR-2
- Joint survey for formwork 1m concrete at DT-A CH: 1+005 to 1+017 right side before pouring
- Joint checked formwork at DT-A CH: 0+945 to 0+957 before pouring concrete Right side
- Observed River water level at CR-9 steel truss bridge

viii. **LADP**

- 01-Joint Topographic Survey of DC Colony Road (in progress)
- 02-Joint Topographic Survey of Dong Nullah Road (In Progress)
- 03-Topographic Survey of JALKOT Affectees Road
- 04-Control Points of SEO RAZIKA Road
- 05-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+450m.

- **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-2 (Target depth 100m):**

Drilling progress is 50.0m, drilled from 0.00 to 50.0m.

Rock encountered at the depth of 28.0m, drilled 22.0m in bed rock.

Overburden depth is 28.0m from 0.00 to 28.0m.

Borehole terminated at the depth of 50.0m, after confirmation of bed rock.

Shifting of drilling rig to new borehole location of COR-01 is in progress.

ii. **Dasu-MW-02**

- **Vault Access Tunnel (VAT)**

No activity related to geological mapping during this month progress remained same 0+517m.

- **Vault Gallery Tunnel Right (VGT-R)**

No activity related to geological mapping during this month progress remained same 0+015m.

- **Vault Gallery Tunnel Left (VGT-L)**

No activity related to geological mapping during this month progress remained same 0+016m.

- **Vault Access Tunnel-02 (VAT-02)**

No activity related to geological mapping during this month progress remained same 0+013m.

- **Service Tunnel-A (ST-A)**

No activity related to geological mapping during this month progress remained same 0+566m.

- **Drain Tunnel**

No activity related to geological mapping during this month progress remained same 0+952m.

- **Access to Drain Tunnel-1 Left side (ADT-1)**

No activity related to geological mapping during this month progress remained same 0+046m.

- **Gas Insulated Service Tunnel (GIS)**

No activity related to geological mapping during this month progress remained same 0+116m.

- **In-Situ over Coring Test (GIST):**

New B.H location on Right Wall at 0+033m:

Note: Contractor has stopped activities for arranging new sub-contractor.

- **Adit Draft Tunnel Right (ADFT-R)**

No activity related to geological mapping during this month progress remained same 0+053m.

- **Adit Draft Tunnel Right (ADFT-L)**
No activity related to geological mapping during this month progress remained same 0+059m.
- **Transform Cavern (TC I-1) Centre**
No activity related to geological mapping during this month progress remained same 0+240m.
- **Transform Cavern (1-2) Left side Downstream**
No activity related to geological mapping during this month progress remained same 0+236m.
- **Transform Cavern (1-2) Left side Upstream**
Carried out subsurface geological mapping/data collected up to 0+024.5m.
- **Transform Cavern (1-3) Right upstream**
Carried out subsurface geological mapping/data collected up to 0+090m.
- **Transform Cavern (1-3) Right Downstream**
No activity related to geological mapping during this month progress remained same 0+240m.
- **Powerhouse (PH i-l) PET**
No activity related to geological mapping during this month progress remained same 0+240m.
- **Powerhouse (I-2) Left side (Upstream)**
Carried out subsurface geological mapping/data collected from 0+010 to 0.000.
Target length has been completed.
- **Powerhouse (I-2) Left side (Downstream)**
Carried out subsurface geological mapping/data collected up to 0+241m.
Target length has been completed.
- **Powerhouse (I-3) Right side (Downstream)**
No activity related to geological mapping during this month progress remained same 0+240.
- **Penstock Adit-1**
Carried out subsurface geological mapping/data collected up to 0+122.
- **Penstock Adit-2**
No activity related to geological mapping during this month progress remained same 0+261m.
- **Penstock Manifold-01 (PM-01)**
Carried out subsurface geological mapping/data collected up to 0+09.5m.
- **Penstock Manifold-04 (PM-04)**
Carried out subsurface geological mapping/data collected up to 0+018m.
- **Service Tunnel-B (ST-B)**
Carried out subsurface geological mapping/data collected up to 0+027m.
- **Connection Tunnel-02 (CT-02)**
Carried out subsurface geological mapping/data collected up to 0+034m.
- **In-Situ Plate Load Test at MAT-02**
Supervision/monitoring of plate load test at test chamber performed by CGGC sub Contractor BIDR. Four tests have been successfully completed.
Two numbers horizontal test section.
Two numbers vertical test section.
All 04nos plate load tests as per BOQ have been completed. Contractor will submit the detail report after necessary calculations/data process.

iii. KKH-02

- Classification of geological zones for KKH-02(K30-957 to K31+240) access road at Panibah from K0+000 to K0+598.
- Classification of geological zones for KKH-02(K34-300 to K34+540) access road at Panibah from K0+000 to K0+375.
- Rock classification of geological zones for KKH-02 from K36-500 to K37+500).

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%	
			Dismantling 2 bridges at Kandia and Largani	01-01-21	31-12-21	364	1,000	0.34%	
	I.4	Project Colony & Infrastructure	PCI-01R	20-05-19	17-05-21	728	4,900	1.67%	EOT-1 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, 1.8	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⁾	33.2	81.7
Actual	13.7	19.2

1) Based on Dasu HPP Overall Baseline Schedule Rev 3 (R3)

2) S-Curves of Overall Physical and Financial Progress are shown in Figures-6 & 7 respectively

The Scheduled Progress mentioned in the above table is according to contract programs/ or revised contract programs as per EoT granted. Progress status 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	82.3	159.2	31.8	-	0.16	100.0	32.0

- 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 due to lack of the Contractor's resources.
- Concrete pouring of Seismic reinforcement wall at K3 tunnel outlet portal completed. Limited excavation works at third bench resumed and continued during the month and continued.
- Excavation for foundation of R/W at K8 and K6+300 started and masonry work continued during the reporting month.
- Development of the Camp and batching plant at K6+400 continued during the month.
- Camp development at Logro K9 Area resumed during the reporting month.
- Access Road development for camp construction at K5+100 started and continued during the reporting month.
- Construction of R/W at K5+300 started and continued during the month.
- Construction of R/W masonry works at K7+818 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.

No.	Section	Issue	Measures	Present Status and What Action to be Taken
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	1.5	6.5	0.2	1.20	0.50	1.7	0.7

- 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 K37 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 and K 34.

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	82.3	140.0	97.0	-	0.50	100.0	97.5

- 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

- 3.20Concrete edge protection barrier around K11+200 to K11+300 preparation in progress.
- Pavement marking activity from K9 to end point of RAR-01 in progress and completed.
- Local access at K11+600, excavation and levelling in progress and completed.
- Excavation work, drilling and blasting work, boulder blasting etc. around K0 to K0+500, K0+500 to K1+000 and K2+280 end section in progress at Komila bypass.
- Preparation, formwork etc. for breast wall for komila bypass start section in progress.
- Reinforcement & concrete works for foundation of B/wall for komila bypass in progress.
- Preparatory works i.e. levelling, compaction etc. for rigid pavement around K11+600 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 and second (2nd) TOC issued from K9 to end point of RAR-01 dated April 27,2022 to Employer.

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	13.6	56.7	1.0	5.03	0.04	55.9	1.0

- 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:

- The excavation and blasting works are continued from K12+500 to K13+250.
- The Contractor has started work at Larghani (K20+590) for cable way transportation system and foundation concrete work has been started.
- The Contractor started widening the existing Kandia Bridge access road for transportation of heavy machinery. The blasting and excavation works are continued at the access road.
- The Contractor has submitted the proposal for heavy machinery transportation system at K47+700 to start new work faces. The construction of cable system will be started next month.
- The Contractor submitted the geotechnical investigation plan of new Kandia River Bridge and investigation will be started next month.

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	80.0	146.7	88.2	-	0.16	100.0	88.4

- 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.
- Excavation for foundation of Transformer is in Progress at Grid Station.
- Excavation for foundation of T-111A is in progress.
- Tower Erection at T-204A 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 carry out 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	Completed	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
14	T-44B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
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	Completed	
19	T-49A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
20	T-50A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
21	T-51A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
22	T-52	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
23	T-53	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
24	T-54	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
25	T-55A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
26	T-56A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
27	T-57A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
28	T-58A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
29	T-60A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
30	T-61A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
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	Completed	
36	T-67A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
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	Not started	

Dasu Hydropower Project
Monthly Progress Report No. 95 (June 2022)

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
42	T-71A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
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	
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	
67	T-90	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
68	T-91A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
69	T-92A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
70	T-93A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
71	T-95A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
72	T-96	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
73	T-97A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
74	T-98	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
75	T-101A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
76	T-102A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
77	T-103A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
78	T-104A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
79	T-105	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
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	Not started	

Dasu Hydropower Project
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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Not started	
84	T-110A	EG-24	Completed	Not started	Not started	Not started	Not started	Not started	Landowner wants to carry out the construction activities of T113B by themselves. The agreement between landowner & Contractor is almost done but the access way to tower location has multiple landowners and they are also demanding the payments for access way.
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	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	Not started	
101	T-130A	ED-26	Completed	Not started	Not started	Not started	Not started	Not started	
102	T-131B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
103	T-132B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
104	T-133A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
105	T-134A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
106	T-135A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
107	T-136A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
108	T-137	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
109	T-138B	ZM-30 Standard	Completed	Completed	Completed	Completed	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	Not started	

Dasu Hydropower Project
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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
121	T-150A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
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	
145	T-175A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
146	T-176A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
147	T-177B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
148	T-178A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
149	T-179B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
150	T-180A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
151	T-181A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
152	T-181M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
153	T-182	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
154	T-183	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
155	T-184	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
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	Completed	
159	T-189A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
160	T-190B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
161	T-191B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
162	T-192A	ZM-60 Modify	Completed		Completed	Completed	Completed	Not started	

Dasu Hydropower Project
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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
				Value is above 10 ohm				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	
184	T-211A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
185	T-212A	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Completed	Completed	

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)	16
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.T10 9A, T110B, T113B, T130A & T204A.			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 T113B by themselves. The agreement between landowner & Contractor is almost done but the access way to tower location has multiple landowners and they are also demanding the payments for access way. The Landowner has stopped the work on T-130A and demanding tree compensation amount. The Landowner/Local has stopped the stringing work and demanding extra payment in advance. 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:

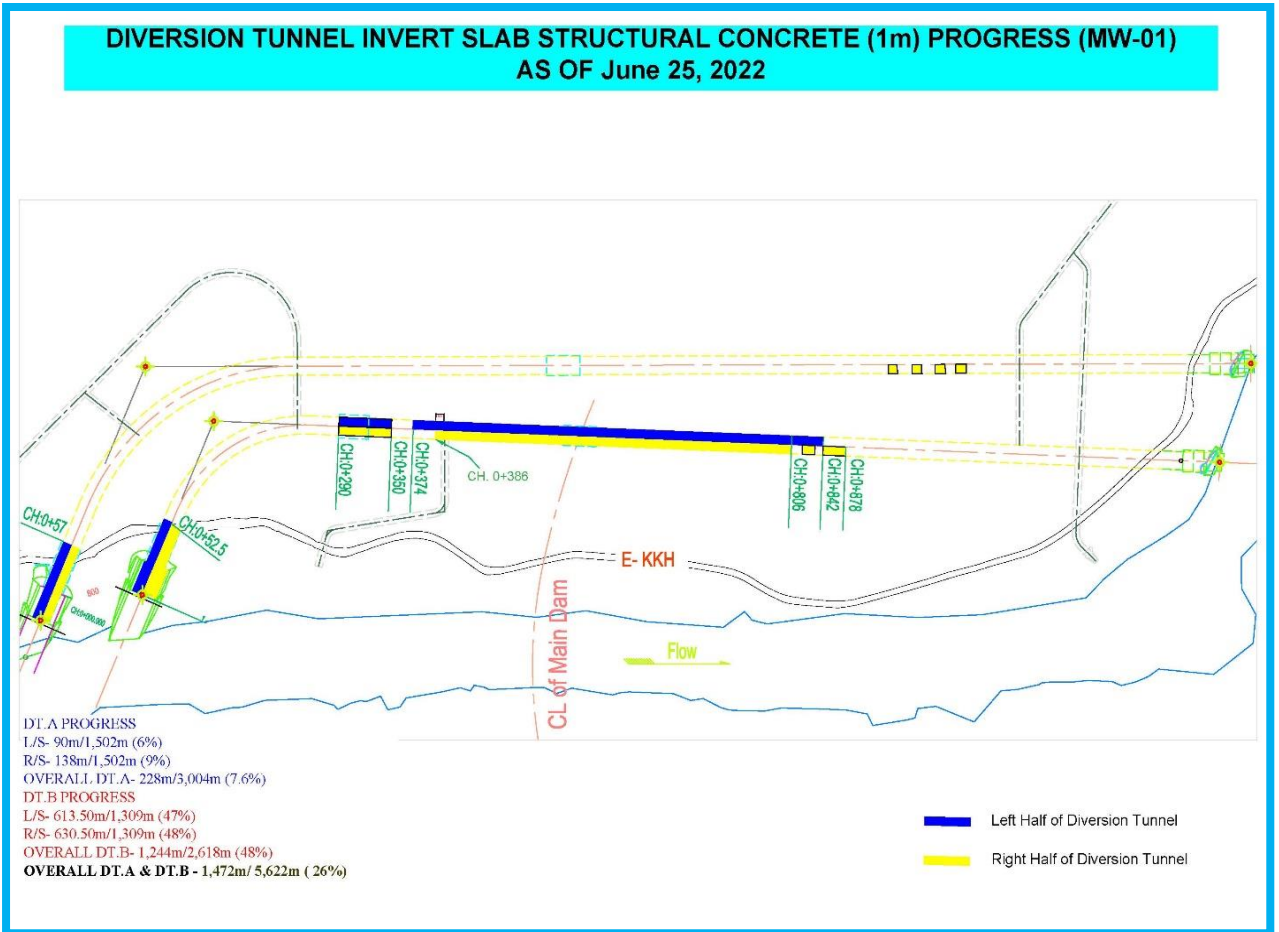
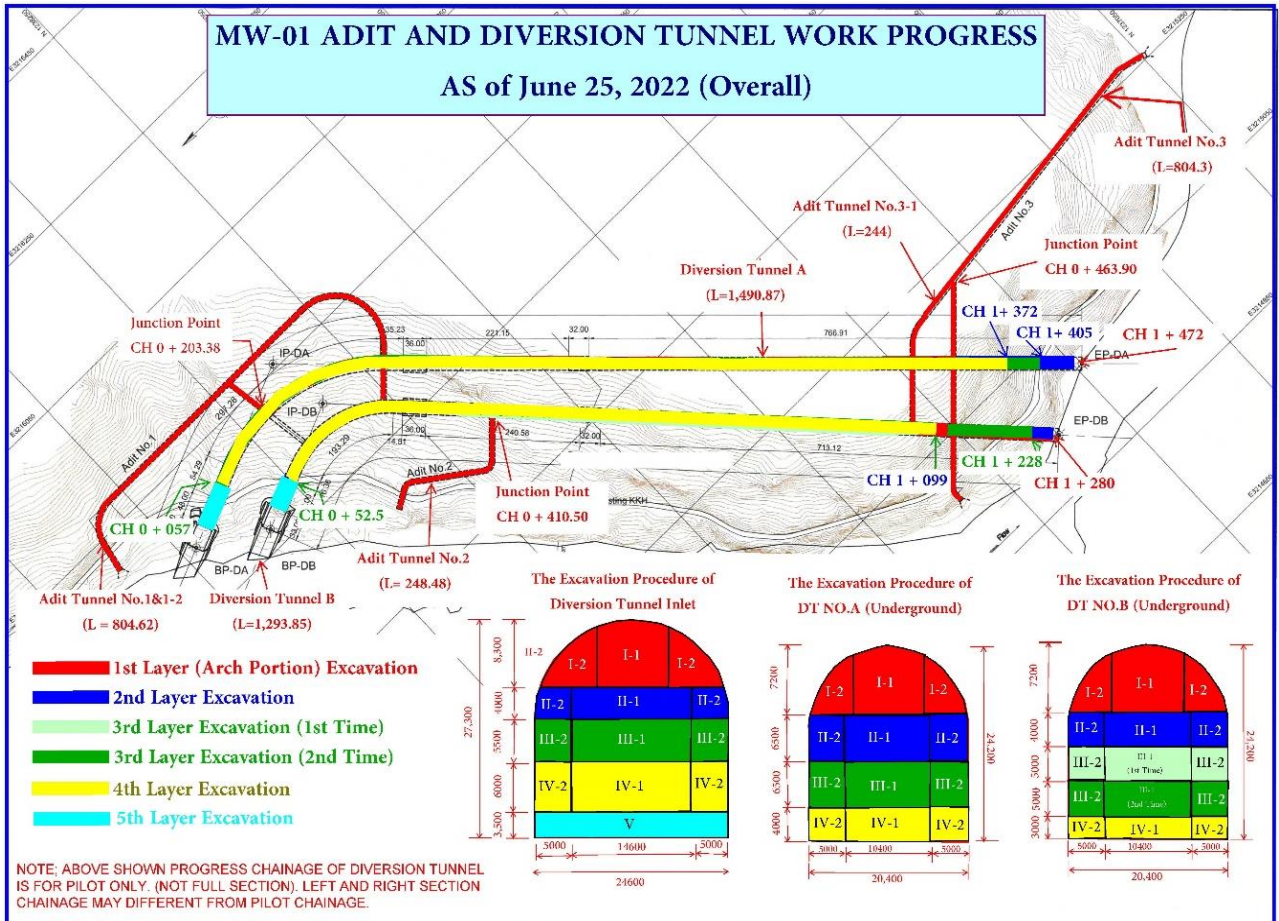
Table 4.20: Progress of Dasu-MW-01 this Month

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	60.3	56.6	17.2	0.72	0.69	26.6	17.9

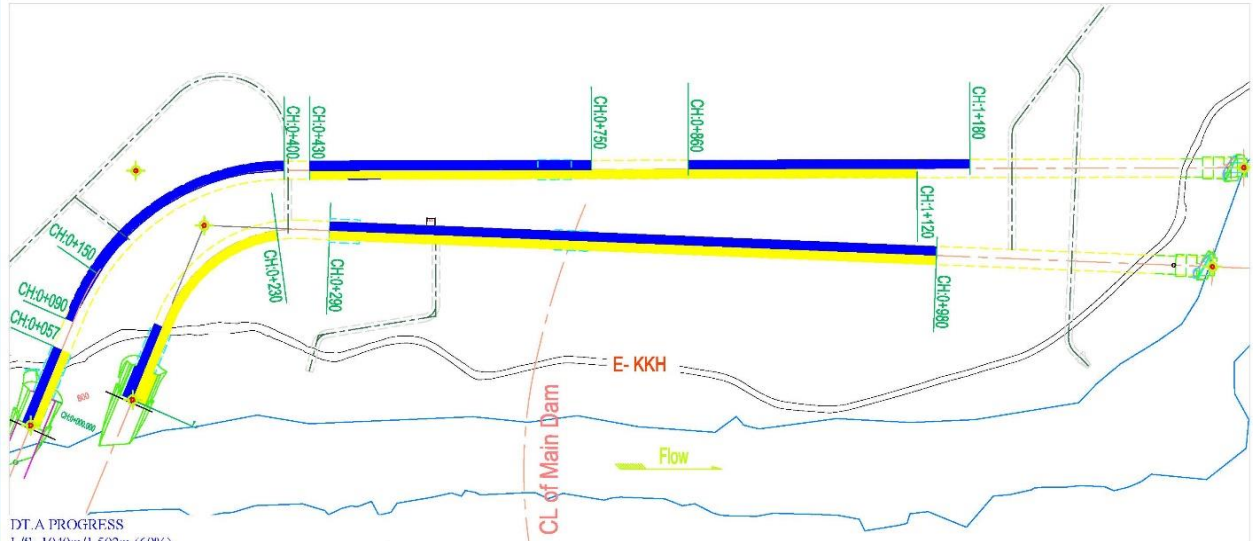
- Gantt chart and S-Curves of Dasu-MW-01 shown in Figure 14 and Figure 15

4.6.3 Major Activities of MW-01

Major construction activities and progress are summarized below:



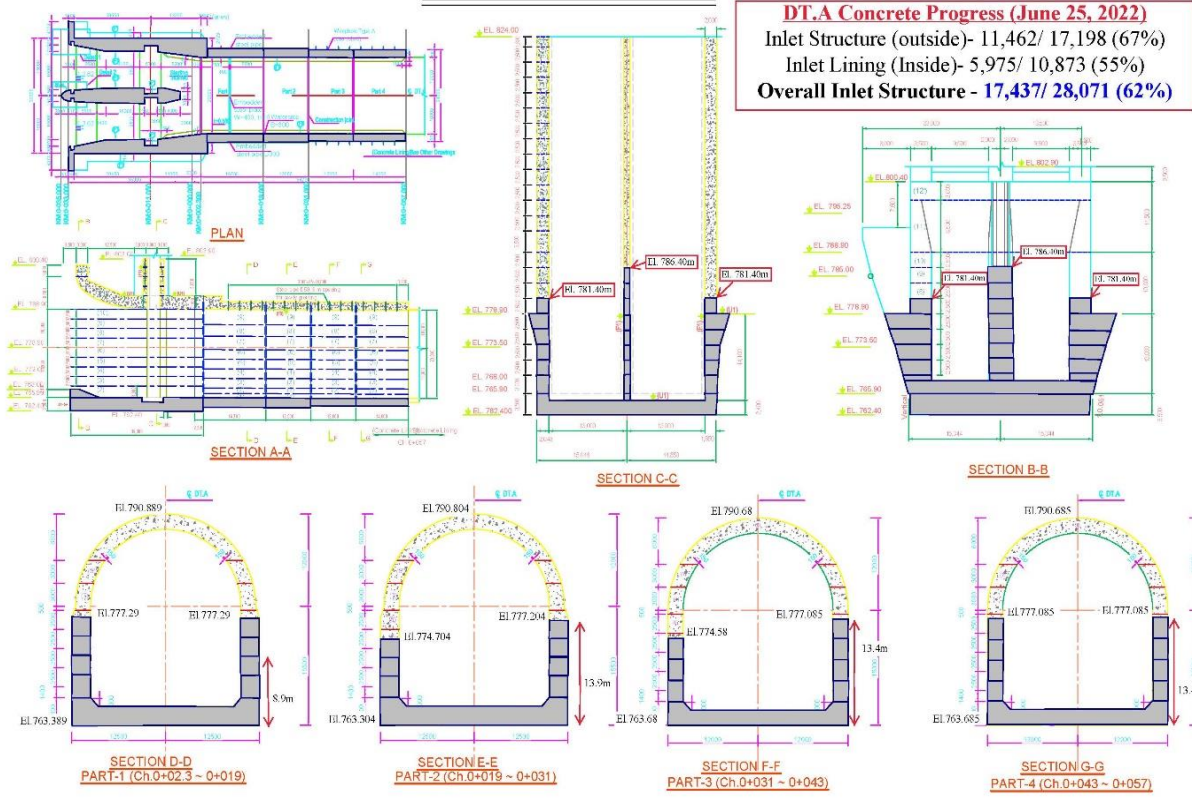
**DIVERSION TUNNEL INVERT LEVELLING CONCRETE (LEAN CONCRETE) PROGRESS (MW-01)
 AS OF JUNE 25, 2022**

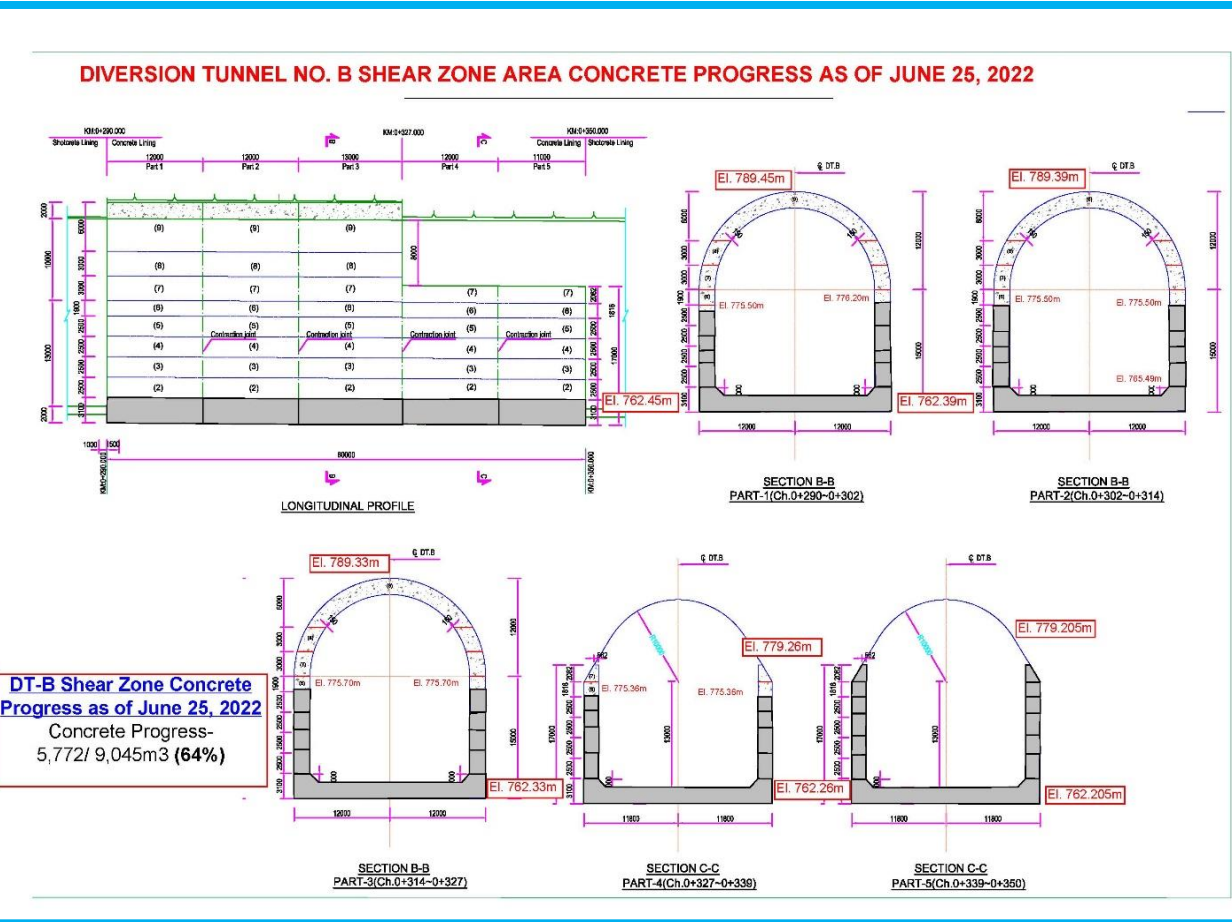
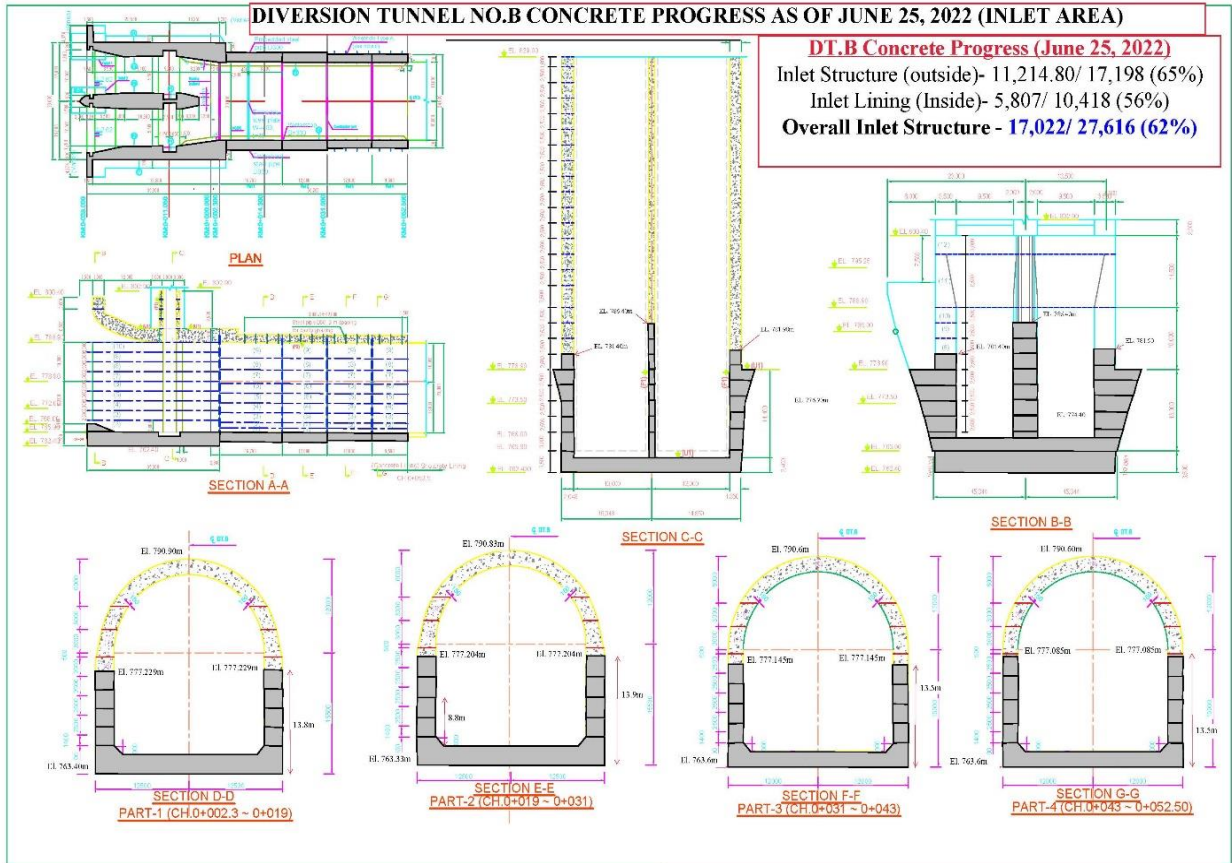


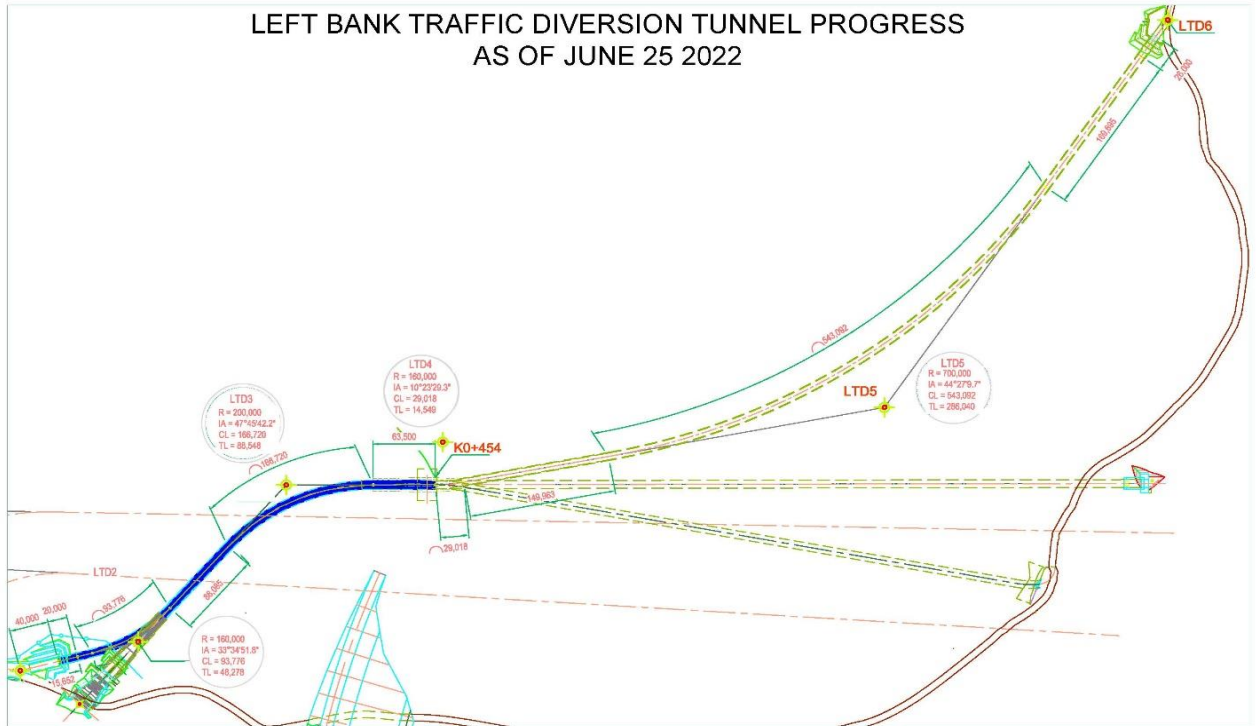
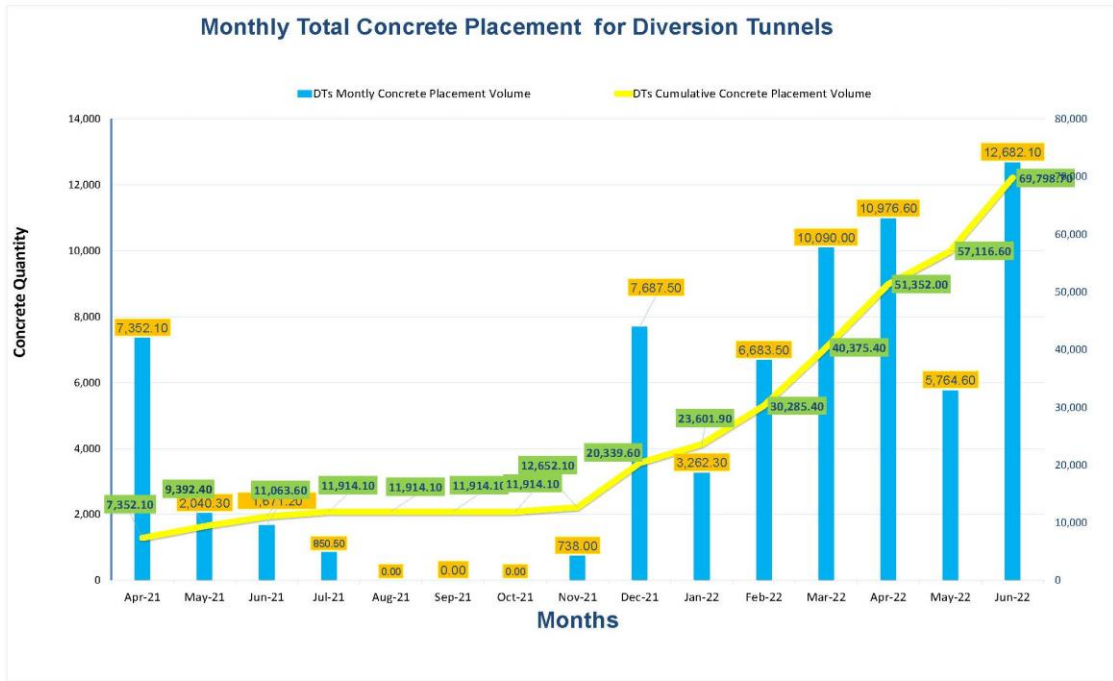
DT.A PROGRESS
 L/S- 1040m/1,502m (69%)
 R/S- 780m/1,502m (52%)
 OVERALL DT.A- 1820m/3,004m (61%)
DT.B PROGRESS
 L/S- 775.50m/1,309m (59%)
 R/S- 953m/1,309m (73%)
 OVERALL DT.B- 1,728.50m/2,618m (66%)
OVERALL DT.A & DT.B - 3,548.50m/ 5,622m (63%)

■ Left Half of Diversion Tunnel
 ■ Right Half of Diversion Tunnel

DIVERSION TUNNEL NO.A CONCRETE PROGRESS AS OF June 25, 2022 (INLET AREA)







(1) Adit Tunnels

- 3# Adit tunnel underground excavation completed (804.3m) on 2nd April 2020.
- 1-2# Adit tunnel work started from 23rd Sep and completed at 804.6 m on Apr 18, 2021.
- 3-1# Adit tunnel underground excavation (244m) was completed on December 13, 2020.

➤ **Diversion Tunnel No. A**

• **Inlet Structure Works (Outside)**

- **Excavation:** 43,620/43,620m³ (100%) open excavation completed at the end of December 2020.
- **Concrete Works:** 11,462m³ / 21,515m³ (53%) completed till end of June, 2022.

• **Inlet Lining Works (Inside)**

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

• **Invert Levelling Concrete (C20)**

- L/S- 1040m / 1,502m (69%)
- R/S- 780m/1,502m (52%)

• **Invert Structural Concrete (A25)**

- L/S- 90m / 1,502m (6%)
- R/S- 138m/1,502m (9%)

• **Underground Excavation Works**

DIVERSION TUNNEL NO. A (EXCAVATION PROGRESS)			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1 st	1,470	1,470	100
2 nd	1,470	1,470	100
3 rd	1,470	1,405	96
4 th	1,470	1,372	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 **1,470m/1,470m (100%)**.
- The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~ 1+405(1405m). The Excavated Length is **1,405m/1,470m (96%)**.
- The fourth bench excavation commenced on October 16, 2020. It is also progressed from Adit Tunnel No.3 progress 0+1372. The excavated length is **1,372m/1,470m (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 June is **744,800m³/ 760,000m³ (98%)**.

• **Outlet Structure Works**

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

➤ **Diversion Tunnel No. B**

• **Inlet Structure Works (Outside)**

- **Excavation:** 41,395/41,395 m³ (100%) open excavation completed at the end of December, 2020.
- **Concrete Works:** 11,214.80m³/ 21,600m³ (52%) completed till end of June, 2022.

• **Inlet Lining Works (Inside)**

- **Concrete Works:** 5,807m³ / 10,418m³ (56%) completed till end of June, 2022.

• **Shear Zone Area**

- **Concrete Works:** 5,772m³ / 9,045m³ (64%) completed till end of June, 2022.

• **Invert Levelling Concrete (C20)**

- L/S- 775.50m / 1,309m (59%)
- R/S- 953m/1,309m (73%)

• **Invert Structural Concrete (A25)**

- L/S- 613.50m / 1,309m (47%)
- R/S- 630.50m/1,309m (48%)

• **Underground Excavation Work**

DIVERSION TUNNEL NO.B (EXCAVATION PROGRESS)			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1 st	1,270	1,270	100
2 nd	1,270	1,270	100
3 rd (Part-1)	1,270	1,228	97
3 rd (Part-2)	1,270	1,228	97
4 th	1,270	1,099	87
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 and support type changed to Type II-5.
- The second bench excavation was started on July 01, 2020. It is completed by end of June, 2021. The excavated length is **1,270m /1,270m (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+228). The excavated length is **1,228m/1,270m (97%)**.
- 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+228). The excavated length is **1,228m/1,270m (97%)**.
- The 4th bench excavation was progressed from Adit Tunnel No.3 Ch. 1+099 (1099m). The excavated length is **1,099m/1,270m (87%)**.
- 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 **649,900m³/ 670,000m³ (97%)**.

• **Outlet Structure Works**

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

• **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.

• **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

• **Diversion Channel on the right bank**

- No activity observed during the month of June, 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%

(2) **Left Bank Traffic Diversion Tunnel**

- Upstream Surface Excavation – 100%
- Underground Excavation Work- 450m / 1,365m (33%)
- Excavation of the Slope for Outlet- 21%
- Support of the slope for outlet- 19%
- 2# Retaining wall excavation Foundation- 100%
- Stone Masonry for retaining wall- 68%
- Stone masonry for 6# and 7# retaining wall- 100%
- Coarse Crushing Platform Leveling- 100%

Semi-Finished Corridor Construction

- Leveling Concrete- 100%
- Invert Slab- 100%
- Reinforcement Binding- 100%
- Side wall Concrete- 100%
- Roof Pouring- 100%

Course Crushing System

- Floor Pouring- 100%
- Side Wall Pouring-79%
- Roof Pouring-100%

Medium and fine sand Crushing System

- Cushion Pouring- 100%
- Column Foundation-100%

Vertical Shaft Sand Making Workshop

- Concrete Placing- 84%

Three Screen Workshop

- Foundation Excavation- 100%
- Cushion Concrete Placement- 0%

Finished Corridor Construction

- Concrete Placing- 14%
- Equipment Installation- 10%
- Batching Plant Foundation Excavation- 76%

(3) Right Bank of DAM (Siglo Area)

- Temporary Access Road Construction- 51%
- Excavation and support of Right Bank Cable crane Platform- 27%

(4) Access Road to Left Bank Cable Crane Platform

- Excavation of the first layer of CR5-2 Road- 83%
- Slope Excavation-100%
- El. 964 Platform Excavation- 8.6%
- Excavation of the second layer of CR5-2 Road- 21%
- LU1 Road Slope Support- 7.1%

(5) KASS Main Camp

- Ground leveling for the Contractor's main camp-63%
- Building foundation of the prefabricated house- 48%
- Prefabricated house hoisting- 60%
- Pool Construction-100
- Stone Masonry for Retaining Wall-39%
- Installation of precast fence- 0%

(6) Barseen Camp Almost completed

(7) Pakistani Camp in Uchar completed

(8) Uchar Chinese Labor Camp completed

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				

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		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)				
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 An</p> <p>Inlet Surface Excavation Excavation: 43,620/43,620m³ (100%) open excavation completed at the end of December 2020.</p> <p>Diversion tunnel B</p> <p>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>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 June, 2022. • Inlet Lining Works (Inside) - Concrete Works: 5,975m³ / 10,873m³ (55%) completed till end of June, 2022. • Invert Levelling Concrete (C20) - L/S- 1040m / 1,502m (69%) - R/S- 780m/1,502m (52%) • Invert Structural Concrete (A25) • L/S- 90m / 1,502m (6%) • R/S- 138m/1,502m (9%) • 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 1,470m/1,470m (100%). • The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~ 1+405(1405m). The Excavated Length is 1,405m/1,470m (96%). • The fourth bench excavation commenced on October 16, 2020. It is also progressed from Adit Tunnel No.3 progress 0+1372. The excavated length is 1,372m/1,470m (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 June 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 June, 2022. • Inlet Lining Works (Inside) • Concrete Works: 5,807m³ / 10,418m³ (56%) completed till end of June, 2022. • Shear Zone Area • Concrete Works: 5,772m³ / 9,045m³ (64%) completed till end of June, 2022. • Invert Levelling Concrete (C20) - L/S- 775.50m / 1,309m (59%) - R/S- 953m/1,309m (73%) • Invert Structural Concrete (A25) - L/S- 613.50m / 1,309m (47%) - R/S- 630.50m/1,309m (48%) • 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. 			

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No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		<p>Temporary facilities (Diversions tunnel outlet side) Air supply station 100% Power station 100%</p> <p>Diversions Tunnel Outlet dyke Construction Works</p> <ul style="list-style-type: none"> - Concrete Works: for DT-A 100% completed on June 11, 2021 for DT-B 100% completed on June 13, 2021 • Diversions Tunnel Outlet dyke Construction Works - Concrete Works: for DT-A 100% completed on June 11, 2021 for DT-B 100% completed on June 13, 2021 - Reconstruction of DT Outlet Dyke- A Dyke completed on June 13, 2022 - Reconstruction of DT-B Dyke completed on June 6, 2022 	<ul style="list-style-type: none"> • On December 17th, geological shear zone was encountered at CH.0+318 and tunnel support "Type II-6 (with lining concrete)" was applied. This supporting type continued till Ch.0+290 after that rock condition improved and support type changed to Type II-5. • The second bench excavation was started on July 01, 2020. It is completed by end of June, 2021. The excavated length is 1,270m /1,270m (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+228). The excavated length is 1,228m/1,270m (97%). • 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+228). The excavated length is 1,228m/1,270m (97%). • The 4th bench excavation was progressed from Adit Tunnel No.3 Ch. 1+099 (1099m). The excavated length is 1,099m/1,270m (87%). • 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 649,900m³/ 670,000m³ (97%). • Outlet Structure Works - Concrete Works: 1829.20m³/ 1829.20m³ (100%) completed on May 9th, 2022. • Inlet dyke • Concrete: completed on July 4, 2019. • Permeability test around the inlet dyke started on January 29, 2020. <p>Concrete Pouring for remaining Inlet Dyke completed during the month of May, 2022.</p>			
7	Left Bank Traffic Diversion Tunnel	- Upstream Surface Excavation for Inlet Portal- 100%	<p>Left Bank Traffic Diversion Tunnel</p> <ul style="list-style-type: none"> - Underground Excavation Work- 450m / 1,365m (33%) - Excavation of the Slope for Outlet- 21% Support of the slope for outlet- 19%. 	Slow progress observed at U/G and D/S Portal of LBTDT.		The Contractor has submitted technical proposal on expedite plant of LBTDT on June 26, 2022 on which the Engineer has responded on June 28, 2022
8	Steel Truss Bridge at Seo	<p>Steel Truss Bridge at Seo</p> <p>Right side Abutment construction</p> <ul style="list-style-type: none"> - Foundation Grouting – 100% - Concrete placement – 100% <p>Left side Abutment construction</p> <ul style="list-style-type: none"> - Concrete placement – 100% - Bridge Installation- 100% 				
9	Left Bank Cable Crane Platform		<p>Access Road to Left Bank Cable Crane Platform</p> <ul style="list-style-type: none"> - Excavation of the first layer of CR5-2 Road- 83% - Slope Excavation-100% • Excavation of the second layer of CR5-2 Road- 21% 			
	Right Bank Cable Crane Platform		<p>Right Bank of DAM (Siglo Area)</p> <ul style="list-style-type: none"> - Temporary Access Road Construction- 51% - Excavation and support of Right Bank Cable crane Platform- 27% 			
	1# Batching Plant and 1# Crushing Plant at Uchar Area		<p>1# Batching Plant and 1# Crushing Plant at Uchar Area</p> <ul style="list-style-type: none"> - 2# Retaining wall excavation Foundation- 100% - Stone Masonry for retaining wall- 68% - Stone masonry for 6# and 7# retaining wall- 100% - Coarse Crushing Platform Leveling- 100% <p>Semi-Finished Corridor Construction</p> <ul style="list-style-type: none"> - Leveling Concrete- 100% - Invert Slab- 100% - Reinforcement Binding- 100% - Side wall Concrete- 100% - Roof Pouring- 100% 			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
			Course Crushing System - Floor Pouring- 100% - Side Wall Pouring-79% - Roof Pouring-100% Medium and fine sand Crushing System - Cushion Pouring- 100% - Column Foundation-100% Vertical Shaft Sand Making Workshop - Concrete Placing- 84% Three Screen Workshop - Foundation Excavation- 100% - Cushion Concrete Placement- 0% Finished Corridor Construction - Concrete Placing- 14% - Equipment Installation- 10% - Batching Plant Foundation Excavation- 76%			
	Diversion Channel on the Right Bank		Diversion Channel on the right bank - No activity observed during the month of June, 2022.			
	Uchar Tentative Crushing Plant (River side)	All civil works and installation of machines completed	In operation			
	Tentative Batching Plant (at Logro)	All civil works and installation of machines completed	In operation			
	Kass		KASS Main Camp - Ground leveling for the Contractor's main camp-63% - Building foundation of the prefabricated house- 48% - Prefabricated house hoisting- 60% - Pool Construction-100 - Stone Masonry for Retaining Wall-39% - Installation of precast fence- 0%			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 were revised (VO-003) 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 precede 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 PKR 1,130 mil.	30 Dec. 2021 PKR 967 mil.	16 Jan 2022 PKR 967 mil.
VO-002	Adit Tunnels for Diversion Facilities	17 Jul. 2019	20 Dec. 2021 PKR 1,419 mil.	31 Dec. 2021 PKR 1,275 mil.	16 Jan 2022 PKR 1,275 mil.
VO-003	River Diversion Tunnels	29 Sep. 2020	30 Oct. 2020 PKR 25,887 mil.	21 Jan. 2021 PKR 19,805 mil.	17 Nov 2021 PKR 19,805 mil.
VO-004	LB Traffic Diversion Scheme	12 Feb. 2021	20 Dec. 2021 PKR 1,060 mil.	20 Dec. 2021 PKR 991 mil.	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.

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	60.3	55.9	7.3	2.77	0.06	34.8	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)
- Surface Boulders blasting was in progress. (May 2022)
- Surfacer Boulders blasting was in Progress (June 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 (963.50m in total, 100.00% of total length of 963.5m).

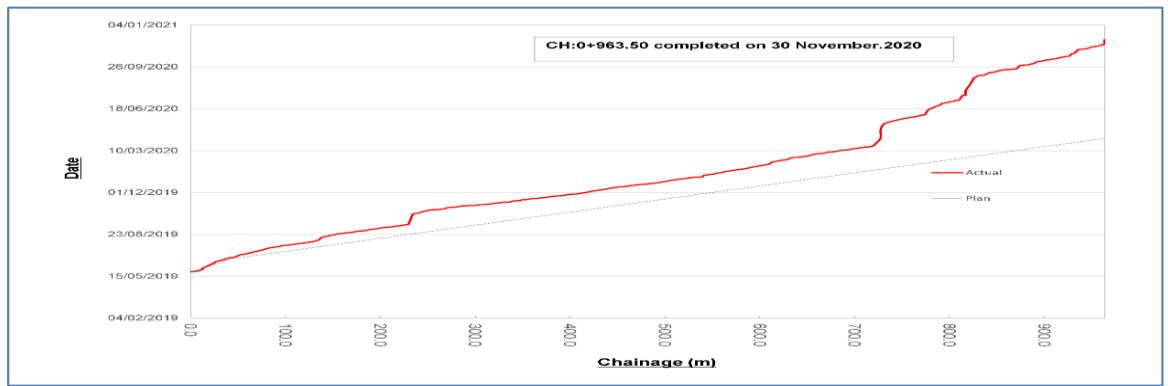


Figure: Work Progress of Main Access Tunnel

4.7.3.3 Main Access Platform

- Gravity Wall Type A: 0m³ (949 m³ in total, 94% of design volume).
- Gravity Wall Type C: 0m³ (356m³ in total)
- Leaning Retaining Wall Type III: 0 m³ (791 m³ in total, 89% of design volume).
- Criss Drain Culvert: 0m³ (62m³ 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 June 2022: 0.00 m (518.00 m in total, 97.7 % of total length of 530.0 m)

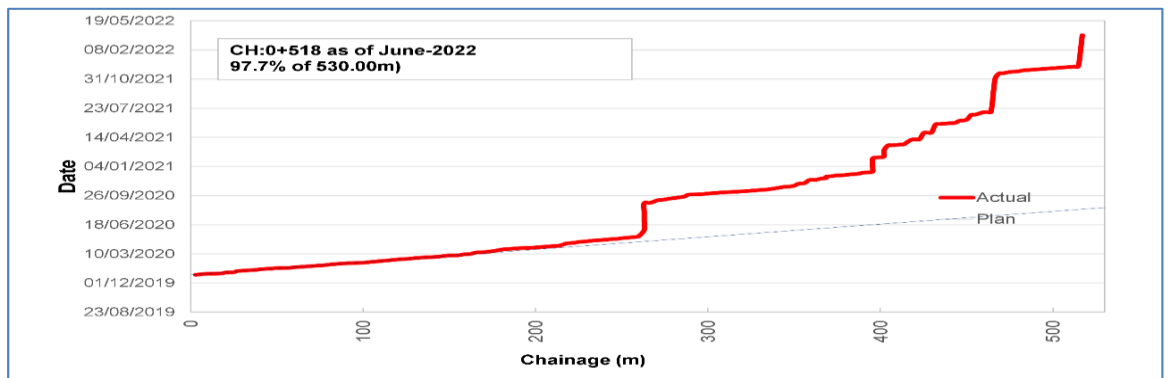


Figure: Work Progress of Surge Chamber Vault Access Tunnel

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

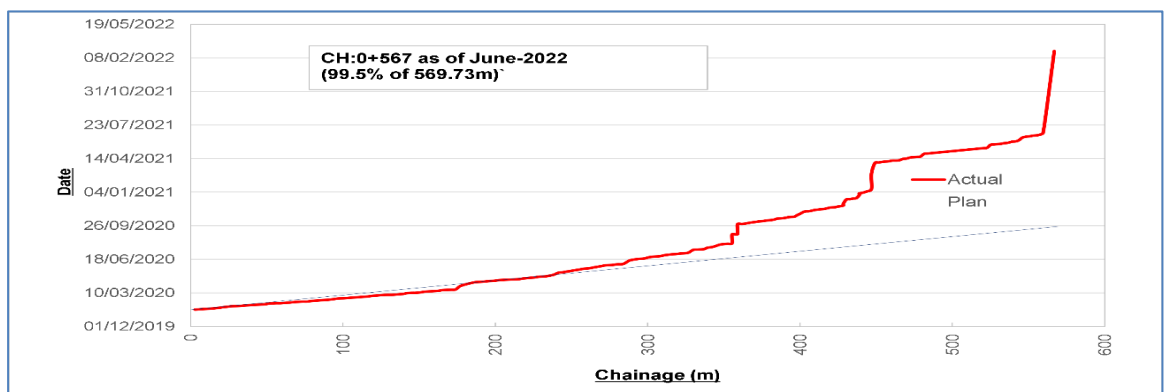


Figure: Work Progress of Service Tunnel A

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 March 2021: 0.00m (406.6300 m in total, 100% of total length of 406.63m). (Design Excavation was completed in the Month of Jan.2022.)

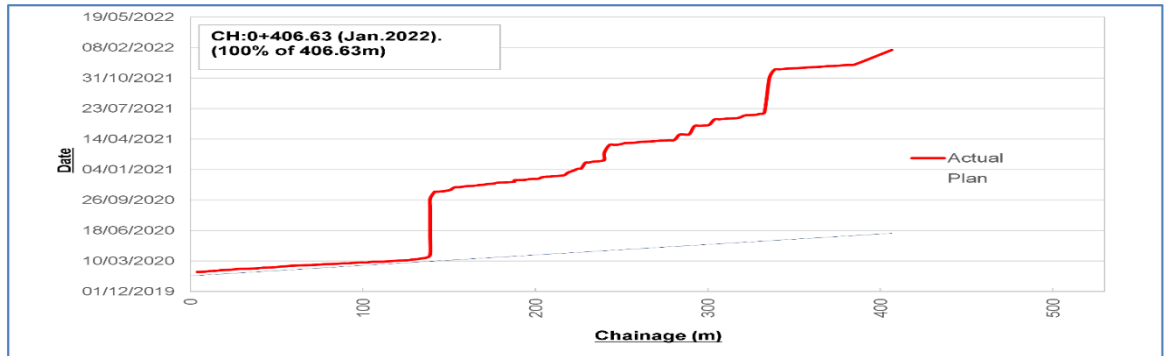


Figure: Work Progress of Service Tunnel C

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 June 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 217.26m).
- 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.
- Work progress of the Tunnel in June 2022 is 29 m (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 March 2022)
- Total Excavation Volume of June. 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.

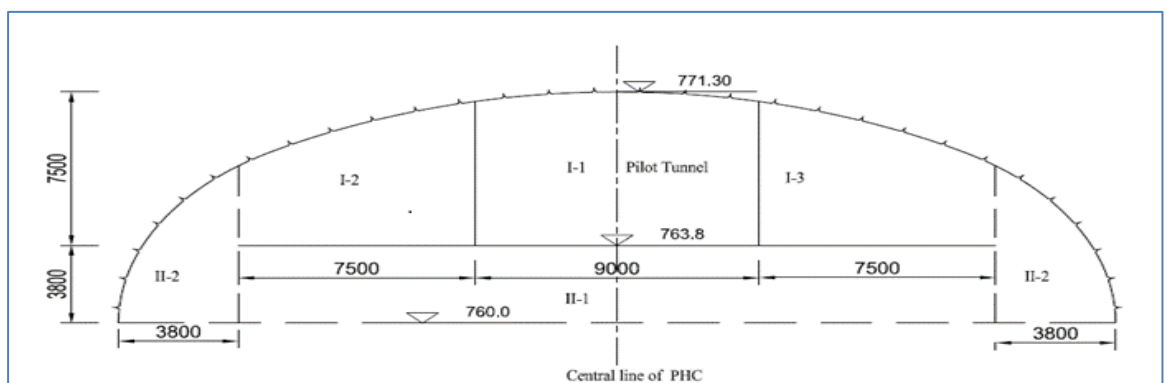


Figure: Section of Powerhouse Cavern Bench 1

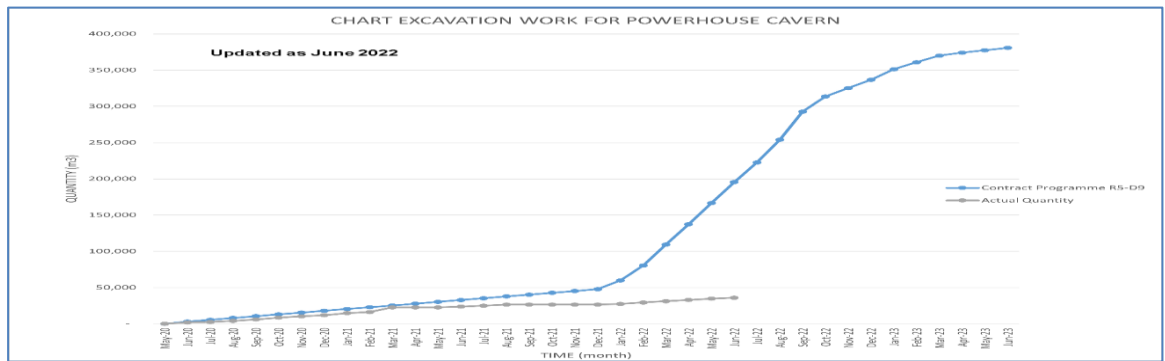


Figure Work Progress of Pilot tunnel Excavation of Powerhouse Cavern Bench 1

4.7.3.10 Underground Transformer Cavern

Crown Portion

- 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)
- Work progress of the Tunnel in June 2022: 36.00 m (Enlargement was completed 12th of June 2022)
- Work progress of the Tunnel in June 2022:38.50 m (159.5.0m of I-3 Enlargement (Left Wall) Tunnel of total length 242m)
- Total Excavation Volume of June. 2022 is 22958.218 of Total Transformer Cavern Excavation Volume of 234,829.30 m³ which is the progress of **9.8%** in total.
- The Ps Tendon Trails Test for grouting (Type III Cement) was in Progress (June2022).

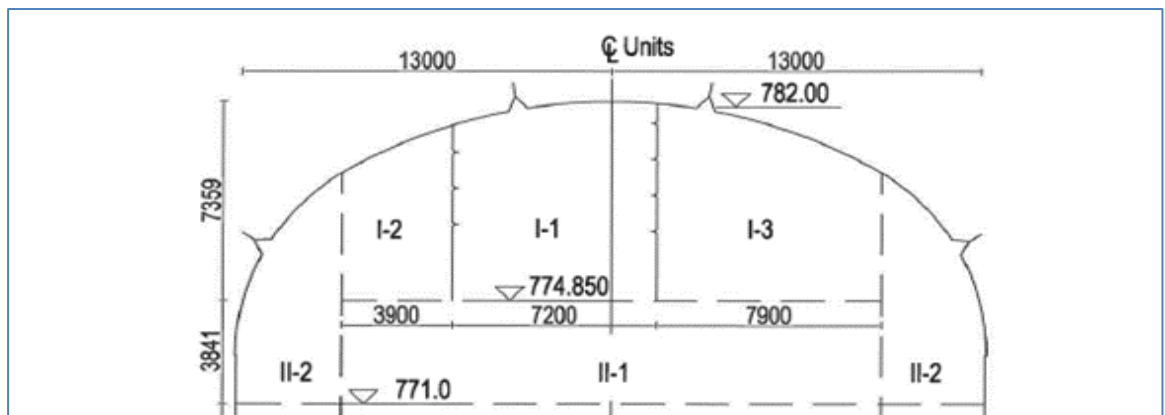


Figure: Section of Transformer/GIS Cavern Excavation Bench Diagram

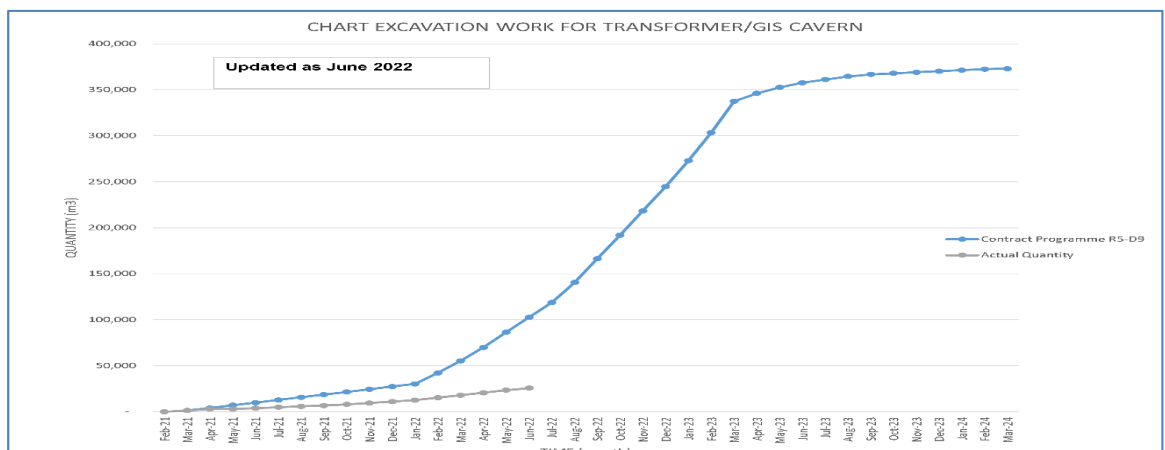


Figure: Work Progress of Transformer/GIS Cavern Excavation Bench Diagram

4.7.3.11 Drain Tunnel

- Drain Tunnel was commenced on 06 July 2019.
- Work progress of the Drain Tunnel in April 2022: 26.00m (924.50 m in total, 97.36 % of total length of 949.50m).

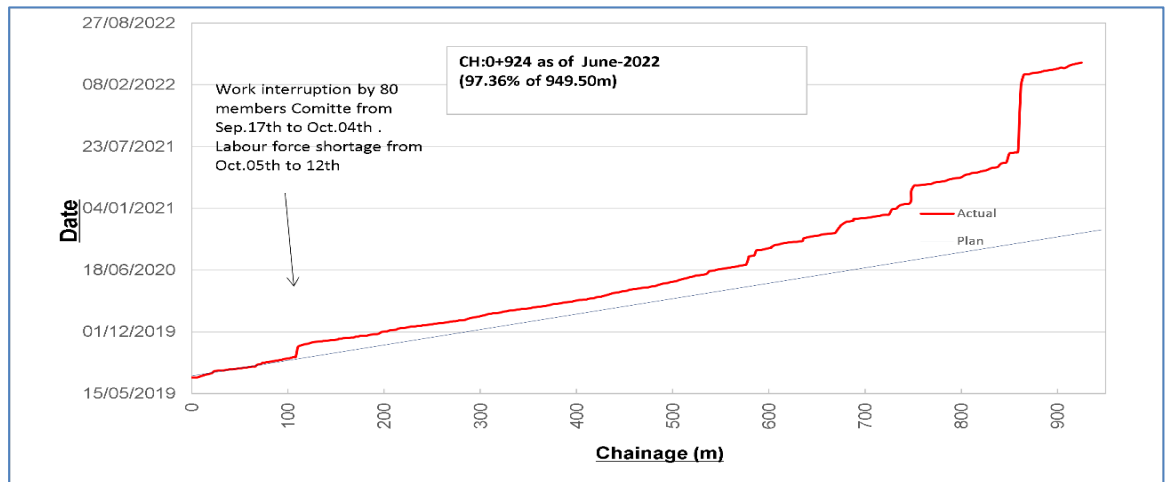


Figure: Work progress of Drain Tunnel

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 77.12m)

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 was in progress (June 2022)

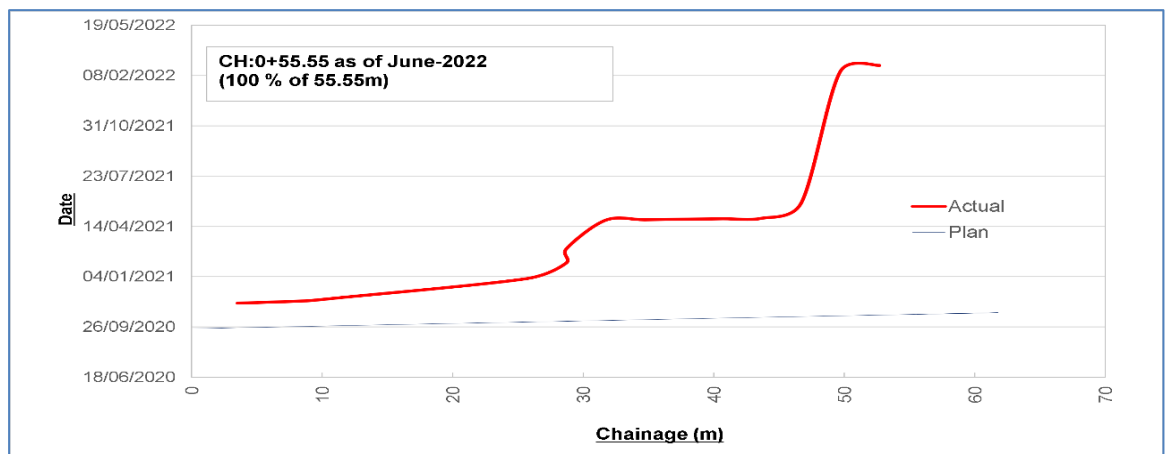


Figure: Work Progress of Penstock Adit Tunnel No.01

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)

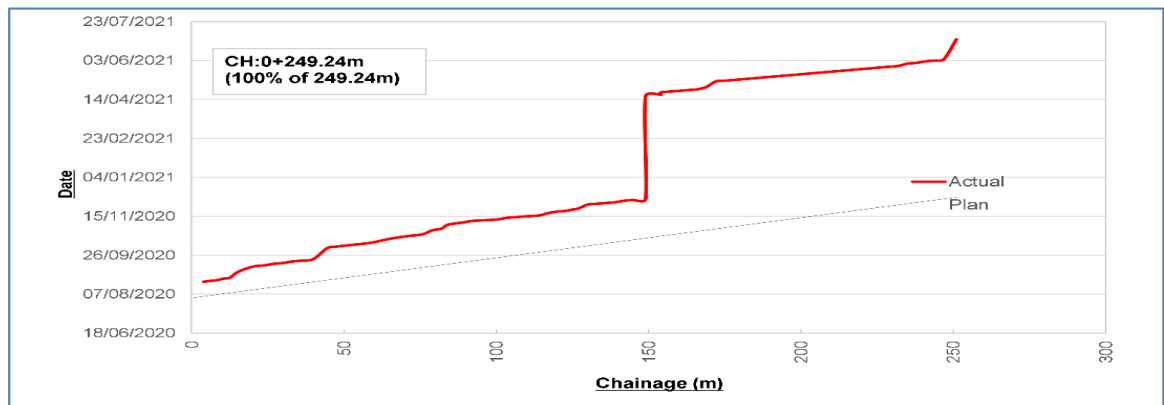


Figure: Work Progress of Penstock Adit Tunnel No.02

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.
- Joint topographic survey has been conducted by Contractor (CGGC) and Engineer.
- Reinforcement and formwork of the water tank are in progress.

- Removing of Dumping material by Daywork is in progress.
- Excavation of 1st layer/Bench was started on 14 April 2022. (InProgress)
- Excavation of 1st, 2nd and 5 layer/Bench was in progress (May 2022)
- Platform Excavation of 1st Layer/Bench from El.930 to El.920 was in progress June 2022)
- Side slope protection Support work was in progress (June 2022)

4.7.3.19 Daywork Order in the month of June 2022

- Removing of Dump Material from Switchyard area.

4.7.4 Location wise Status of MW-02

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

Table 4.25 Location wise Status (MW-02)

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
1	Steel Truss (Superstructure)	30 Oct.2018 Preparation work has been started. 24 Nov.2018 CB200 on the left bank has been completed. 25 Nov.2018 Erection of temporary nose beam has been stated. 30 Dec. 2018 Main bridge CB450 was moved at the designated position. 07Jan. 2019: Move down of CB450 at the designated position. 11 Jan. 2019: CB450 has been completed. 24 Feb. 2019 CB200 on RB has been completed	1) The Contractor submitted the drawings however the essential information was lacked and rejected on 16 August 2018. 2) The Contractor submitted MS however, internal coordination is required. LEI N/A	1) The Contractor submitted required documents. However, most of the documents are insufficient. 2) Securing safety of the site erection work for steel truss superstructure. 3) Landowner at right bank frequently stop the construction work. 4) Improvement approach road for public use on right bank has been started on 24August 2019and was completed on 08 Aug.2019. LEI N/A	1) Bridge installation work will be delayed drastically because of the Contractor's poor method statement and quality management. 2) Due to poor coordination, the erection work will be delayed drastically. (Construction will have a serious impact resulting in delay(s).) LEI N/A	1) The Engineer instructed the Contractor to take contract oral procedure on 16 August 2018. 2) The Engineer reviewed his method statement carefully and suggested appropriate installation method. 3) The Engineer will dispatch experienced instructor for steel bridge erection. 4) The Engineer repeatedly conducts verbal explanation and issue the letter to fulfil contractual requirement for bridge truss installation. 5) Engineer repeatedly explains importance of safety measure to the Contractor by verbal explanation and letter. 6) Engineer repeatedly instructs to finalize method statement of truss bridge by verbal explanation and letter 7) Engineer checked the status of landowner's interruption 8) Engineer requested to change layout the route of the approach road. 9) Engineer issued daywork order to construct RB approach road on 03 July 2019 10) Engineer issued daywork order to improve RB approach road for public use on 21 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 CCCECC'S plant with the CGGC's new plant.
7	Kass	LEI	LEI	Handover of the land is urgently required for	LEI	1) Coordinating with the Employer to expedite land acquisition process. 2) Demolishing existing houses is in progress

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No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		N/A LEI N/A	N/A LEI N/A	temporary facilities/waste disposal. LEI N/A	N/A LEI N/A	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 22)
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 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 handover 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 May 2019. 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 Joint 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. 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.

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No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
						17) Removing of Dumping material by Daywork is in progress 18) Excavation of 1st layer 16 April 2022. 19) Excavation of 2nd and 5th Layer was in progress. 20) Excavation of 1st Layer was in progress El.920 (June 2022)
12	Intake (Logro area above KKH)	LEI N/A	Payment of self-relocation has been made	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	Intake construction work may be critical work, if the land handover will not be completed in August 2019	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(June22.)
	LEI N/A	LEI N/A	LEI N/A	LEI N/A	LEI N/A.	
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 June 2022 MW-02						
Workforce			Equipment			
Type	Location	Qty	Type	Power/Capacity	Qty	Remarks
Tech. Staff	MAT 0+370	0	Water Pump	75Kw	2	One Operator Visiting Different Faces
Electrician		1				
Skilled		1				
Tech.Staff		0				
Tech.Staff	MAT 0+510	0	Water Pump	7.5kw	1	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	STA To PA & STA 0+300	0	Water Pump	7.5Kw	1	
Electrician		0		75Kw	2	
Skilled		1				
Tech.Staff		0				
Tech.Staff	PH	0	Water Pump	45Kw	2	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	ADFT	0	Water Pump	7.5kw	1	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	MAT 0+820	0	Water Pump	75Kw	2	
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	42.2	181.0	37.1	-	0.18	100.0	37.3

- 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**
 - Pcc on permanent access road in progress.
- **Khoshe Site-02**
 - No activity

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

- No activity

4.8.4 Location wise Status of LBRV-11

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

Table 4.28: Location wise Status (LBRV-11)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Khoshe-1	Water tank, septic tank, anaerobic tank, stone masonry retaining walls, manholes, Mosque & Khuprail tile, and backfill of retaining wall Completed slope protection completed. PAR excavation Completed. slope protection completed.	Pcc on permanent access road 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 Mosque grey structure and boundary wall, Sewerage line & soakage pit completed	No activity.		Nil	

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

4.9.1 General Contract Data of LBRV-12

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

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

Item	Data
Contract Number	ICB No. DASU-LBRV-12
Contract Name	Resettlement Villages (Barseen, Nasirabad & Kaigah/Dhaar)
Contractor	M/s Zhongmei Engineering Group Limited
Contract Agreement Signed	Apr 20, 2017
Commencement Date	Dec 26, 2018
Contract Price	PKR 1,016,820,466 /-

Item	Data
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	42.2	188.1	22.6	-	0.15	100.0	22.8

- 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

- Water supply pipe line between terrace 1 and terrace 2 is in progress.
- Sewerage work is in progress.

(2) At Nasirabad- Site-2

- Slope protection work is in progress.
- Sewerage work 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.	Water supply pipe line between terrace 1 and terrace 2 is in progress. Sewerage 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 structure completed. sewerage work 98 % completed.	Slope protection work is in progress. Sewerage work 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	37.4	90.3	57.3	5.00	1.15	80.0	58.4

- 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 work at project office is in progress.
- Stair marble work at project office is in progress.
- Internal electrification work at project office is in progress.
- Stair plaster at project office in progress.
- Dome work of project office is in progress.
- Paint work is in progress at project office.
- Electrical pole fixing within the colony is in progress.
- Excavation for water supply pipe line from river side is in progress.
- Fixing of scaffolding for external paint work is in progress.
- Plaster work is in progress at cat 2C.
- Plaster work is in progress at cat 2D.
- Boundary construction of Cat1 units is in progress
- Paint work at cat 1 is in progress.
- Marble grinding is in progress.
- Khaprail tile fixing at sloping roof of cat 1 is in progress.
- Roof treatment of cat 1 is in progress.
- Safety railing at cat 1 is in progress.
- Ceramic tile fixing is in progress at cat 1.
- Skirting work is in progress at cat 1.
- Window aluminum work is in progress at cat 1
- 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 Choohang	<p>PROJECT OFFICE Frame structure & block masonry at G.F, 1st floor, 2nd floor and mummy floor is completed. Plaster work completed. Marble tiles fixing completed except stairs. Alluminium work and glass fixing for windows completed. false ceiling completed. Internal premier completed up to 100%. roof treatment completed. Ceramic tile fixing in bath rooms completed. porcelain tile fixing completed.</p> <p>RESIDENCE CAT-1 frame structure completed. block masonry work completed. Plaster work completed. marble tiles up to 90% completed. porcelain tile fixing completed upto 90 % Ceramics tile fixing completed upto 80%. stair marble completed 100%.</p> <p>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 95 % completed. Residence Cat-2C: frame structure and block masonry completed. Residence Cat-2D: Frame structure and block masonry completed. Cat-3A: frame structure completed. Cat-3B: frame structure completed except part 1, 2 f/f.</p>	<ul style="list-style-type: none"> • Marble grinding work at project office is in progress. • Stair marble work at project office is in progress. • Internal electrification work at project office is in progress. • .stair plaster at project office in progress. • Dome work of project office is in progress. • Paint work is in progress at project office. • Electrical pole fixing within the colony is in progress. • Excavation for water supply pipe line from river side is in progress. • Fixing of scaffolding for external paint work is in progress. • Plaster work is in progress at cat 2C. • Plaster work is in progress at cat 2D. • Boundary construction of Cat1 units is in progress • Paint work at cat 1 is in progress. • Marble grinding is in progress. • Khaprail tile fixing at sloping roof of cat 1 is in progress. 			

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
		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"> Roof treatment of cat 1 is in progress. Safety railing at 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 (%)	Scheduled (%)	Actual (%)
ICB No. DASU-RV	36.5	203.1	38.0	-	0.60	100.0	38.6

- 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.
- Excavation of pots in progress.
- Sewerage work in progress.
- Water supply pipe line in progress.
- Plot leveling at relocated choochang site 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.	Stone masonry retaining wall is in progress. Excavation of pots in progress. Sewerage work in progress. Water supply pipe line in progress. Plot leveling at relocated choochang site in progress.	Nil	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:

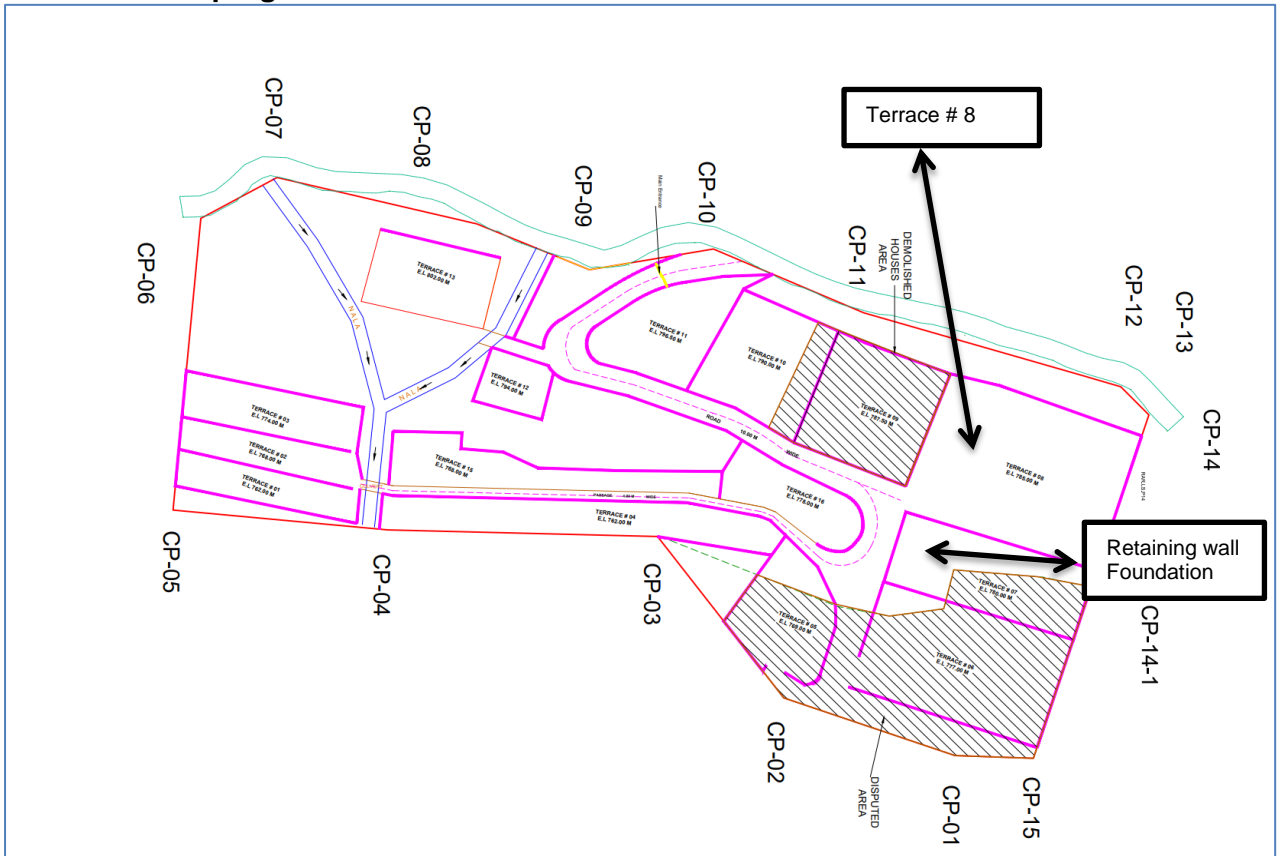
Table 4.39: Progress of EM-01 this Month

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	25.4	41.6	3.7	0.46	0.20	6.1	3.9

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

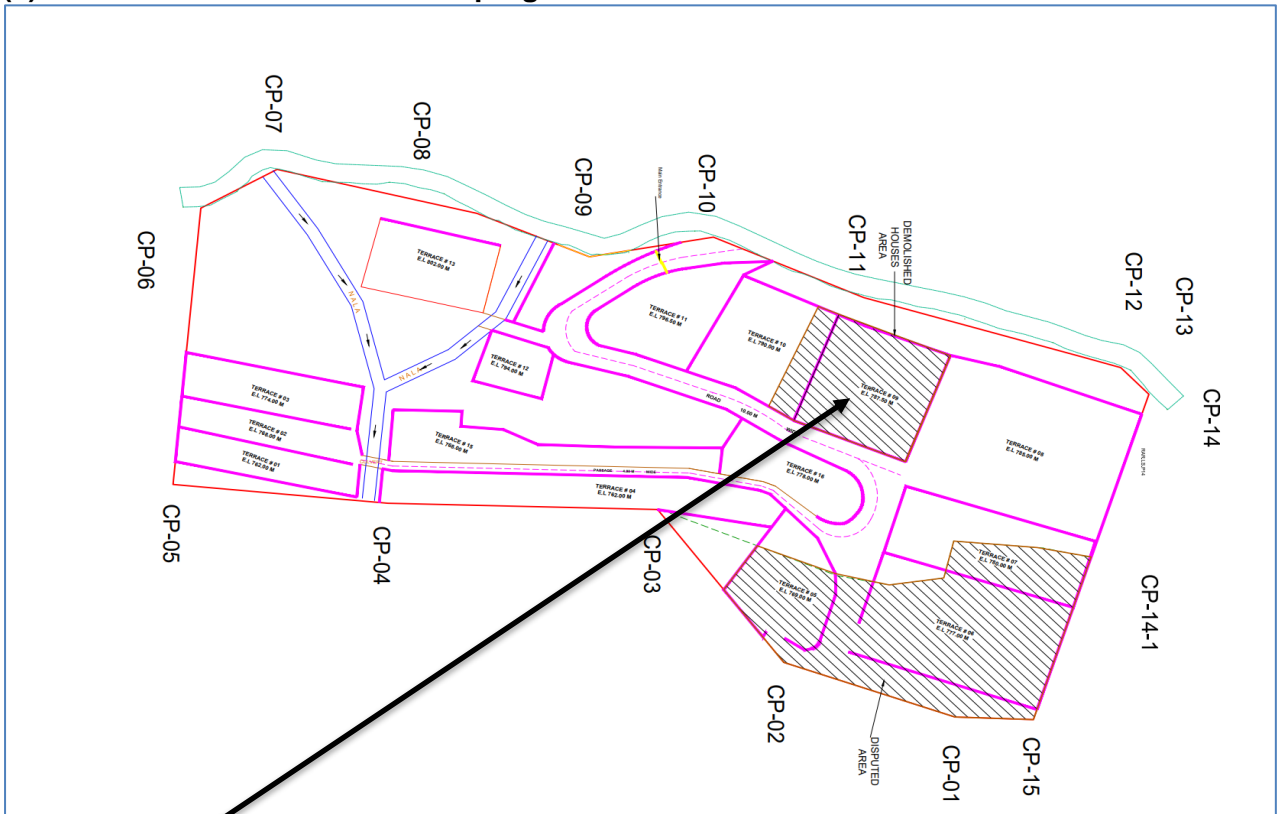
4.12.3 Major Activities of EM-01 (Civil Works)

(1) Terrace # 8 Backfilling / Compacting, Leveling and Excavation for Terrace #8 Retaining wall was in progress.



Terrace # 8 Backfilling / Compacting, Leveling and Excavation for Retaining wall

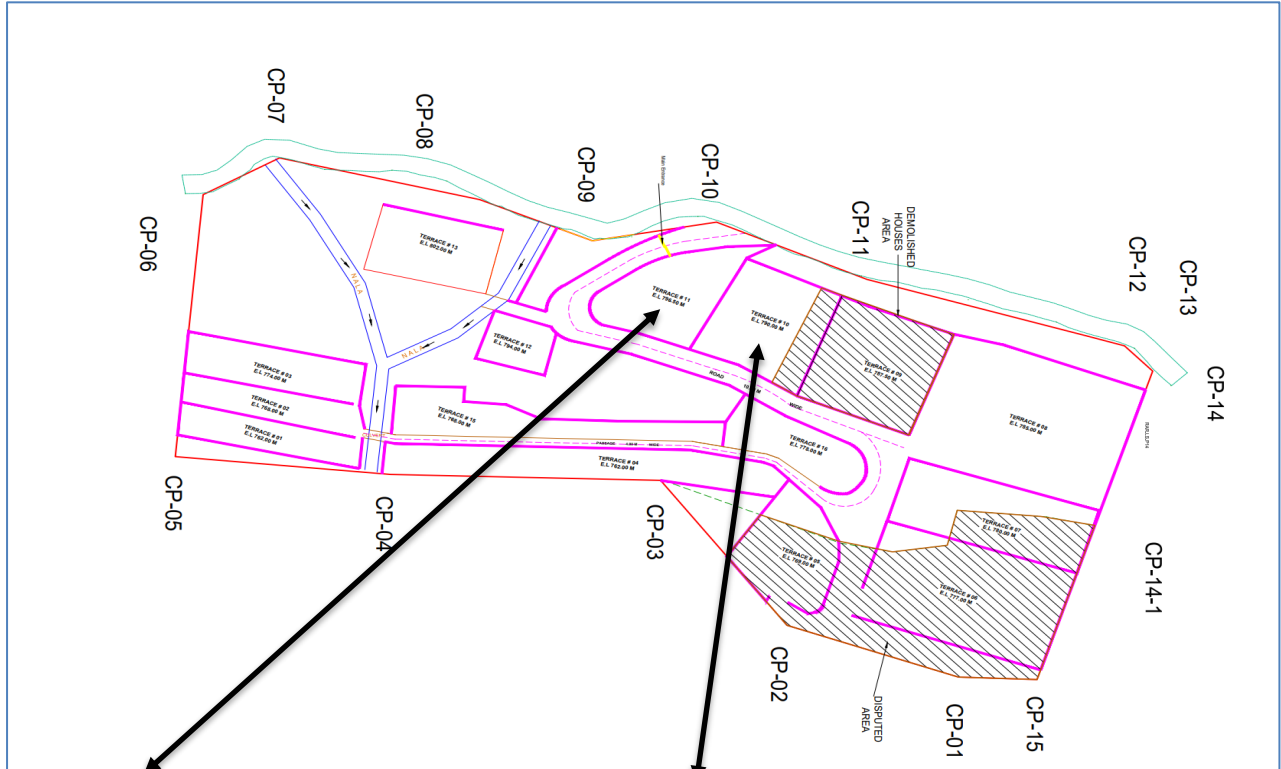
(2) Terrace # 9 Excavation was in progress.



Terrace # 9
Cutting was in progress.
2022-06-24



(3) Terrace # 10, #11 Excavation was in progress.



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

Location	Total Cut Volume M ³	Total Fill Volume M ³	Completed Cut Volume M ³ (June 2022)	Completed Fill Volume M ³ (June 2022)	Cut (%)	Fill (%)
Kass Camp/Civil Work	89,441.9 M ³	58,176 M ³	52727.05M ³	49351M ³	58.95	84.8

There is a 69.5% difference in the current volumetric cut and fill. (58.95 / 84.8)

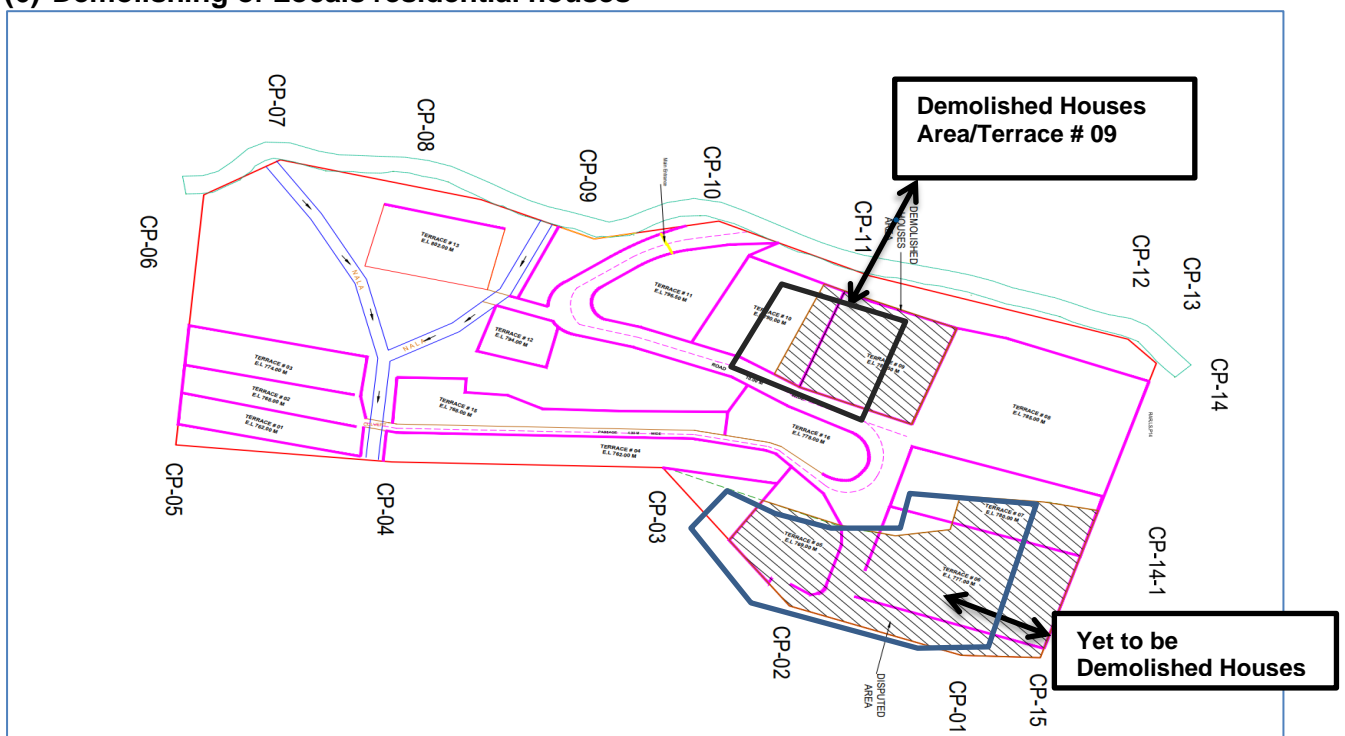
(5) FDT Tests.

FDT TEST RESULTS			
S.NO.	LOCATION	DATE	RESULT %
1	Terrace No. 8	14-06-2022	93.47
2	Terrace No. 8	14-06-2022	92.63
3	Terrace No.8	26-06-2022	94.47
4	Terrace No.8	26-06-2022	90.49

The resultants must be reviewed/verified.



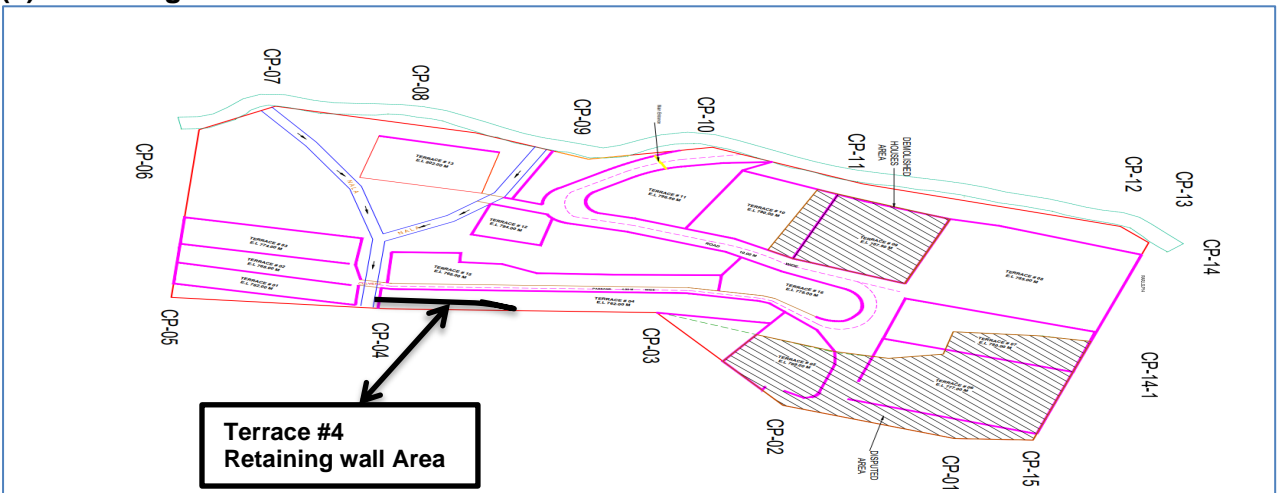
(6) Demolishing of Locals residential houses





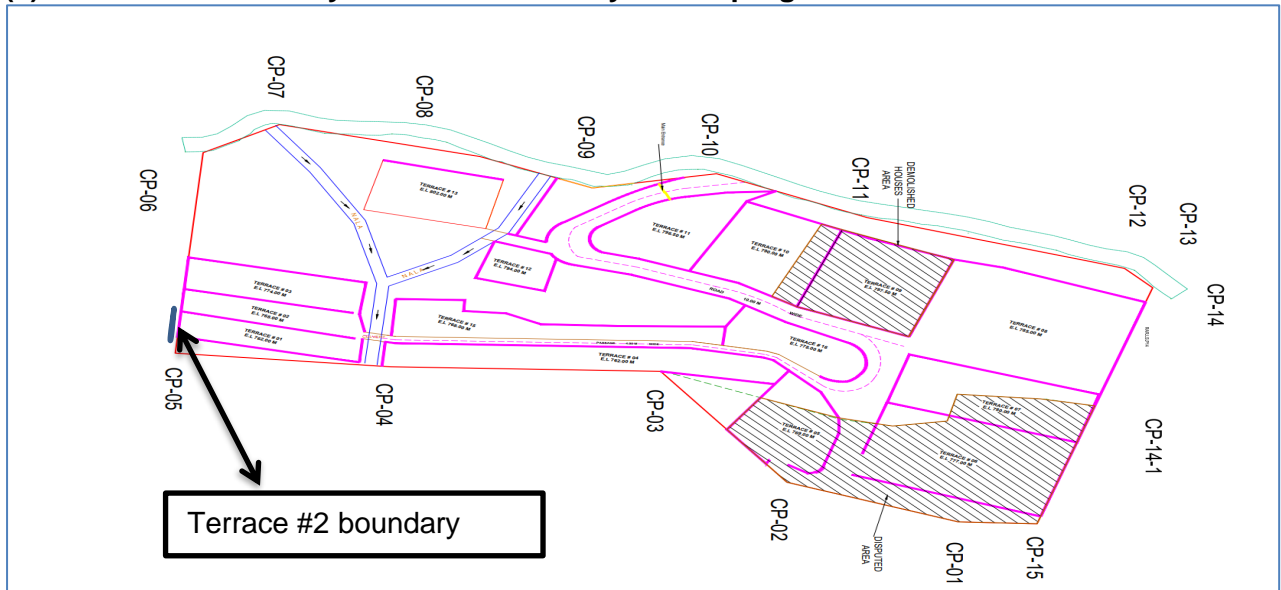
Houses were demolished in the Month of May 2022.

(7) Retaining wall Foundation Excavation for Terrace # 4



Terrace #4 Retaining wall area.

(8) Terrace #2 Boundary wall stone masonry was in progress.



Terrace #2 boundary wall stone masonry was in progress

4.12.4 Summary of Daily Work Records of E&M - 01 Civil Works

Summary of Daily Work Records of E&M-01 Civil Works is attached in Appendix-K

4.12.5 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	Transit Mixer	Tyre	01	
7	Tractor	Tyre	02	
8	Dumper		02	
9	Water Bowser	Tyre	02	
10	Concrete Mixer	Automated	01	
11	Pick up	Suzuki	01	
12	Car	Corolla	01	
13	Total Station	Nikon	01	

4.12.6 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		03	
12	Unskilled Labor		04	

4.12.7 Graphs

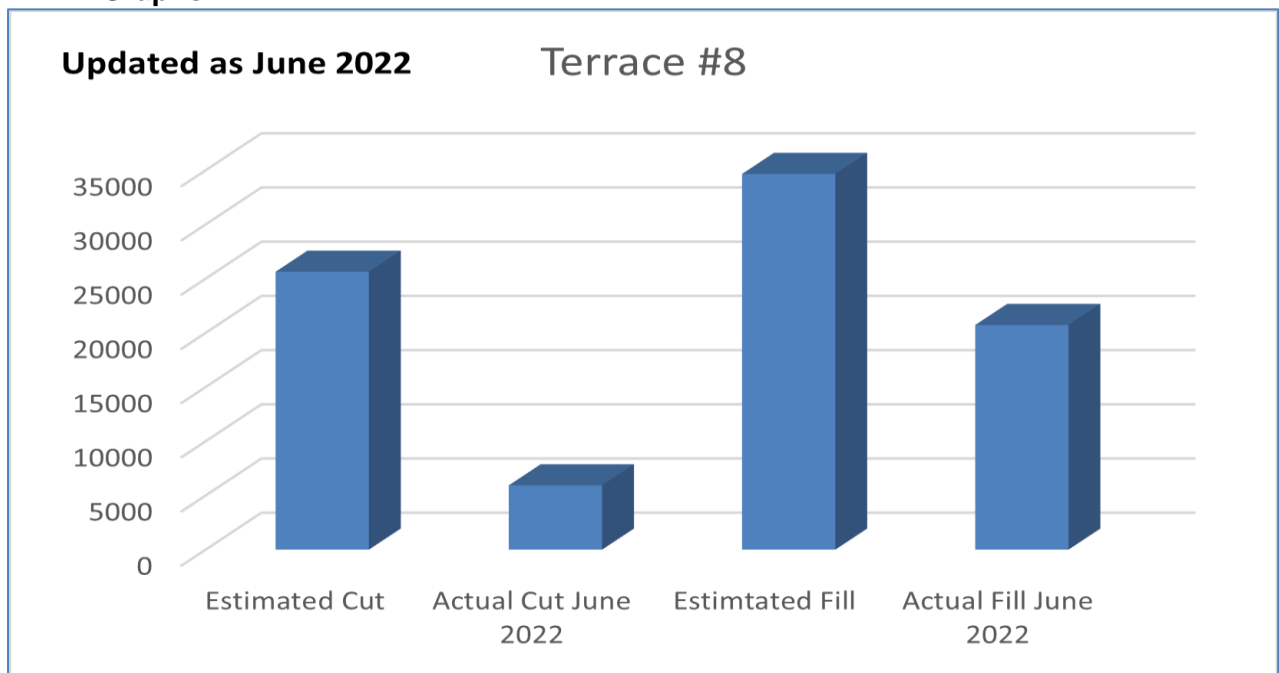


Figure: Terrace # 8

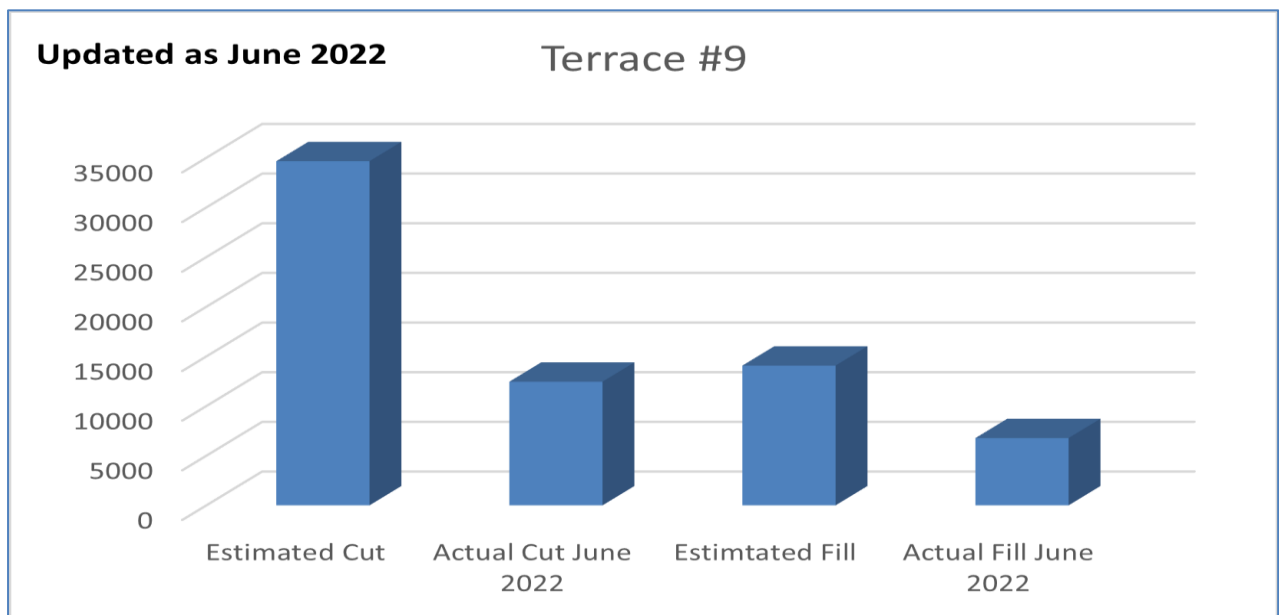


Figure: Terrace # 9

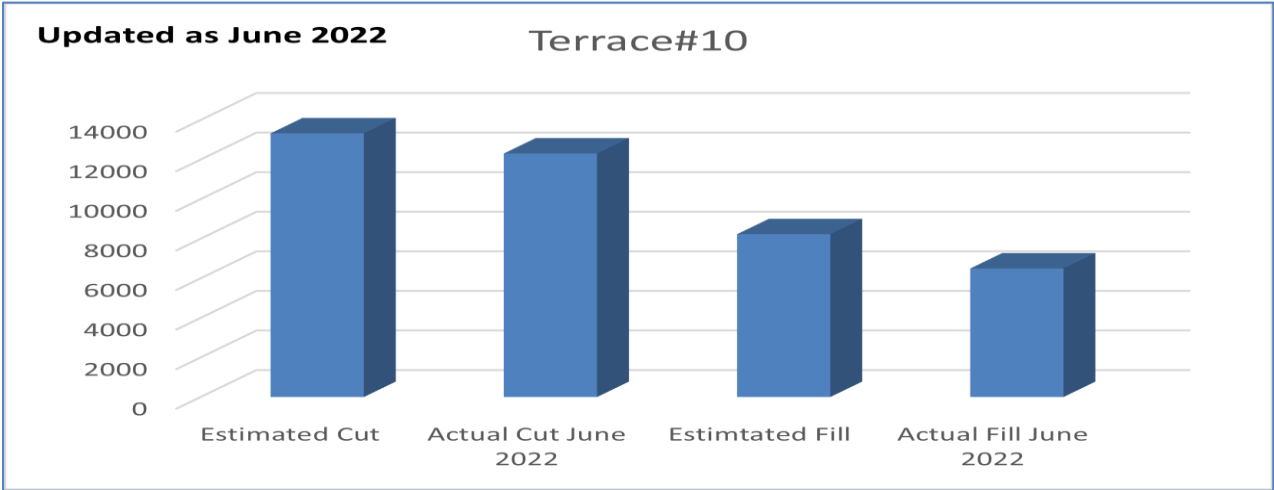


Figure: Terrace # 10

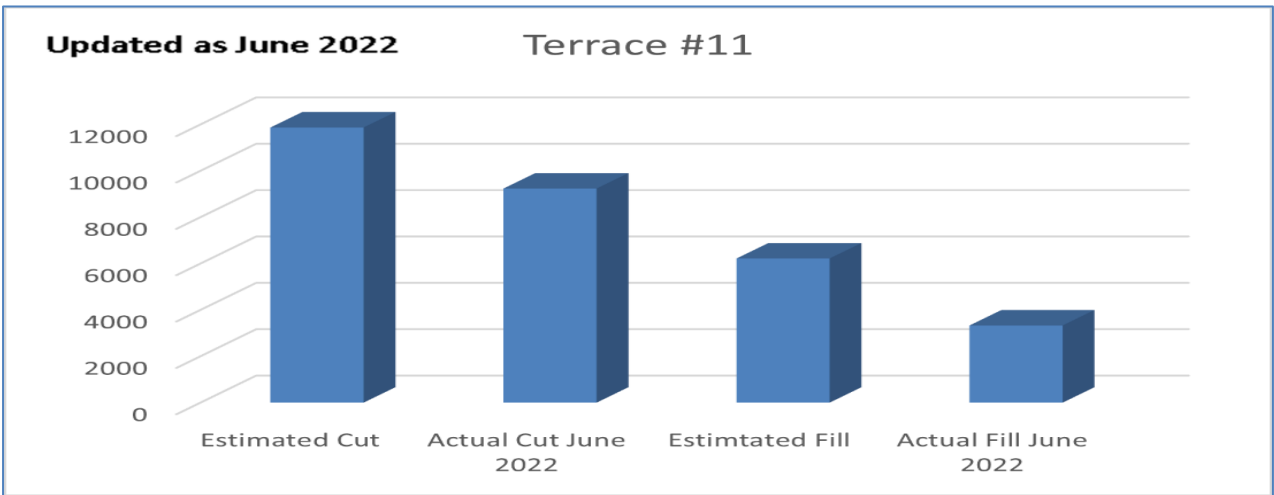


Figure: Terrace # 11

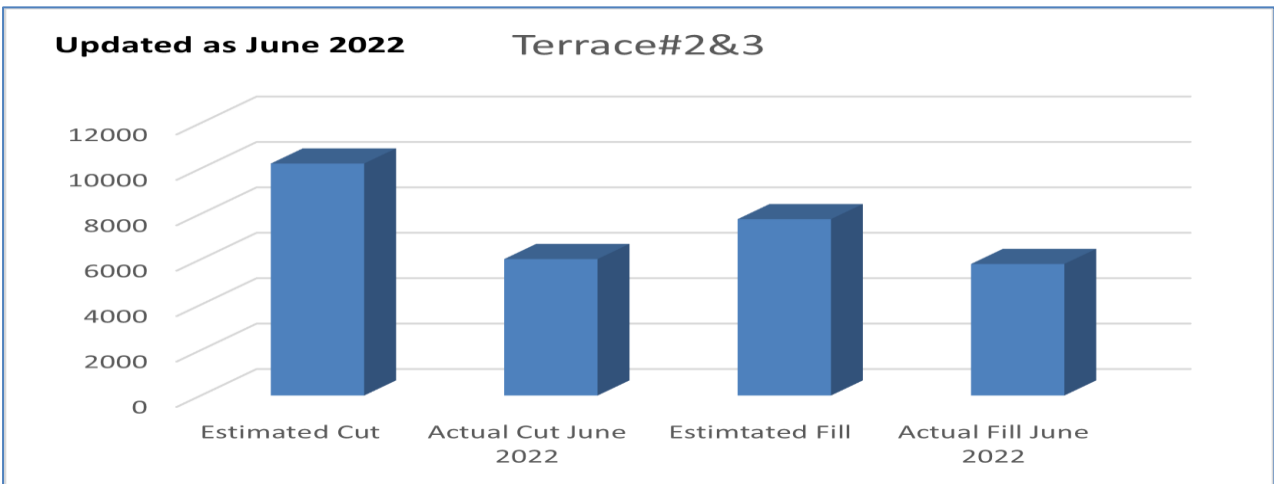


Figure: Terrace # 2/3

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:

116	084	Jul-21	JPY & EURO 02.09.2021 & PKR Remuneration 07.09.2021 & PKR Reimbursable 27.09.2021	37,031,624	174,114	62,486,066	JPY & EURO 29.10.2021 & PKR Remuneration 26.11.2021 & PKR Reimbursable 11.01.2022	29,628,387	141,530	55,495,681
117	085	Aug-21	PKR Remuneration 22.09.2021 & PKR Reimbursable 22.10.2021 & JPY & EURO 25.10.2021	43,337,513	162,190	65,776,983	PKR Remuneration 26.11.2021 & JPY & EURO 09.12.2021 & PKR Reimbursable 07.02.2022	35,807,673	144,520	58,797,008
118	086	Sep-21	PKR Remuneration 29.10.2021 & JPY & EURO 03.11.2021 & PKR Reimbursable 24.12.2021	32,714,524	181,228	68,477,340	JPY & EURO 15.12.2021 & PKR Remuneration 31.12.2021 & PKR Reimbursable 03.03.2022	27,949,152	161,641	65,011,885
119	DHC-DD-001	Double Deduction of Audit Recovery	PKR 18.11.2021			471,604				
120	072S to 077S	From July 2020 to Dec 2020 Supplementary	JPY 29.11.2021	13,829,217			JPY 15.02.2022	11,645,309		
121	078S to 084S	From Jan 2021 to July 2021 Supplementary	JPY & EURO 02.12.2021	1,767,800	3,475		EURO 14.02.2022 JPY 15.02.2022	1,255,200	2,782	
122	087	Oct-21	PKR Remuneration 02.12.2021 & JPY & EURO 08.12.2021 & PKR Reimbursable 03.01.2022	41,115,860	197,498	66,395,695	PKR Remuneration 11.01.2022 & JPY & EURO 19.01.2022 & PKR Reimbursable 24.03.2022	32,512,800	174,017	62,947,262
123	088	Nov-21	PKR Remuneration 31.12.2021 & JPY & EURO 05.01.2022 & PKR Reimbursable 18.01.2022	59,389,109	203,784	62,723,287	PKR Remuneration 07.02.2022 & EURO 14.02.2022 & JPY 15.02.2022 & PKR Reimbursable 08.04.2022	47,145,767	183,360	58,989,159
124	089	Dec-21	PKR Remuneration 25.01.2022 & JPY & EURO 11.02.2022 & PKR Reimbursable 14.03.2022	56,775,167	180,336	68,206,392	PKR Remuneration 03.03.2022 & JPY & EURO 14.04.2022 & PKR Reimbursable 23.04.2022	47,869,445	140,687	63,350,345
125	Arrears of Escalation	From Aug 2014 to Sep 2021	JPY & EURO 18.02.2022	86,181,370	366,028		JPY 10.05.2022 & EURO 09.05.2022	74,889,089	322,244	
126	090	Jan-22	PKR Remuneration 02.03.2022 & JPY & EURO 04.03.2022 & PKR Reimbursable 29.03.2022	47,988,271	231,246	78,338,629	PKR Remuneration 24.03.2022 & JPY & EURO 09.05.2022 & PKR Reimbursable 10.06.2022	35,849,929	183,999	74,119,379
127	091	Feb-22	PKR Remuneration 18.03.2022 & JPY & EURO 04.04.2022 & PKR Reimbursable 28.04.2022	49,351,025	238,651	72,344,440	PKR Remuneration 23.04.2022 & JPY & EURO 01.06.2022	39,917,960	201,572	24,855,768
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	101,124,224	PKR Remuneration 10.06.2022 & JPY & EURO 17.06.2022	38,333,736	198,362	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	75,218,195	PKR Remuneration 30.06.2022			27,050,074
131	094	May-22	PKR Remuneration 20.06.2022 & JPY & EURO 29.06.2022	49,101,375	205,176	34,264,021				
132										
Total				3,255,572,549	9,651,203	4,658,122,193		2,301,603,867	7,037,852	3,162,067,870

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

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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
RAR-01	1	8	3	12	0	0	0	0	12
132kV TL	2	1	0	3	0	0	0	0	3
MW-01	2	41	4	47	0	1	0	1	48
MW-02	0	15	4	19	0	0	0	0	19
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	90	23	125	0	1	0	1	126

* 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
RAR-01	4	3	7	0	0	0	7
132kV TL	0	2	2	0	0	0	2
MW-01	6	16	22	0	1	1	23
MW-02	3	4	7	0	2	2	9
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	50	82	0	3	3	85

*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
25 th June 2022	DTB shear zone	MW-01	On 25 th June 2022 at about 10:50PM, an incident happened near DTB Shear Zone. While using grinder, the disk broke and resulting lacerations (cuts) to a worker's fingers. After first aid he was referred to tertiary care for further investigation.	LTI	RCA is awaited	Open

6.1.2 Property damage

Date of Incident	Location	Contract	Description of Incident	Category	Reporting/ Corrective Action	Status
14 th June 2022	Kass Camp	MW-02	On 14 th June 2022 at about 9: 10am, an incident was occurred near kass camp, where the loader truck turnover while going upward towards kass camp.	Minor	RCA recommended that reinforcement to be done with subcontractor to ensure only 4*4 vehicles for transportation of precast rooms at Kass camp and training/ TBT of drivers	Closed
13 th June 2022	CR-2 AD1	MW-01	On 13 th June 2022 at about 12:00 pm, an incident occurred near AD1, where the CGGC's rental Mazda while reversing, hit a DHC Vehicle, resulting no injury.	Minor	RCA is awaited	Open
9 th June 2022	Kass Camp	MW-02	On 9 th June 2022 at about 08:10 am, an incident happened at 08:10 am near kass camp, where the loader truck turnover while using the newly and incomplete constructed passage towards kass camp.	Minor	RCA recommended that reinforcement to be done with subcontractor to ensure only 4*4 vehicles for transportation of precast rooms at Kass camp and training/ TBT of drivers to prevent similar incident.	Closed

6.1.3 Violence/ aggression incidents

Date of Incident	Location	Contract	Description of Incident	Category	Reporting/ Corrective Action	Status
28 th June 2022	DTB Shear zone	MW-01	On 28 th June 2022 at about 11: 30am, there was an exchange of assaults between Chinese & Pakistani workers. CGGC lodged lawsuit at Dasu police station.	Major	Detail investigation under process	Open

6.1.4 Key Performance Indicators – During Reporting Month

Table 6.1: Key Performance Indicators during Reporting Month

Metrics	PMU	DHC	RAR-01	KKH-01	TL-01	MW -01	MW-02	PCI-01	LBRV 11/12	RAR -02	KKH -02	DHPP Total	Target
Number of Staff/Workers	309	353	106	74	55	1240	1240	58	55			3490	
Recordable Injuries & Illness (RI)			0	0	0	1	0	0	0			1	
Incidence Rate (TRIR, monthly) *			0	0	0	0.07	0	0	0			0.02	
TRIR (Year-to-date)													1.25 ¹
Lost time injuries (LTI)			0	0	0	1	0	0	0			1	
LTI Frequency Rate (LTIFR monthly) **			0	0	0	0.07	0	0	0			0.02	1.0 ²
First-Aid Cases (FAC)			0	0	0	2	0	0	0			2	
FAC frequency rate (FACFR, monthly)			0	0	0	0.13	0	0	0			0.05	
Medical Treatment Cases (MTC)			0	0	0	0	0	0	0			0	
Near-miss Incidence (NMI, monthly)			0	0	0	3	4	2	0			9	
NMI Investigated & corrective actions taken			0	0	0	3	4	2	0			9	
% NMI closed			0	0	0	100	100	100	0			100	100% ³
COVID19 cases			0	0	0	0	0	0	0			0	
COVID-19 per 100 workforces (CFR)			0	0	0	0	0	0	0			0	0 ⁴
No of OHS AFI attended by DHC			0	1	0	7	8	0	0			16	
No. of AFI approved			0	1	0	7	8	0	0			16	
No. of OHS EI issued by DHC			1	1	1	1	2	1	1	1	1	10	
NO of EI Closed			1	1	1	1	2	1	1			8	
% of OHS EI closed			100	100	100	100	100	100	100	0	0	80	
No. of OHS Training			4	2	3	18	10	3	2			42	
Training (No. Attendees)			51	14	35	434	161	34	36			765	
No. of OHS NCR issued			0	0	0	1	0	0	0			1	
No. of OHS NCR closed			0	0	0	0	0	0	0			0	
% of NCR Closed			0	0	0	0	0	0	0			0	
No. of Toolbox Talks (TBT) by Contractors			30	11	10	480	480	20	4			1035	
TBT Participants of Contractors			488	45	110	14400	14400	187	16			29646	
No of OHS walk-through-Inspections by													
Contractor Management/ Senior Staffs			0	1	0	5	5	2	0			13	
DHC Management/ Senior Staffs			1	1	0	1	1	1	0			5	
Contractor Supervisors			3	17	0	30	30	14	3			97	
DHC Supervisors			4	2	6	40	52	8	0	2	2	116	
Daily Inspections by DHC													
Unsafe Acts			5	2	10	54	55	17	0	0	1	144	
Unsafe Conditions			4	12	16	184	122	40	0	9	5	392	
No of Joint Inspections Conducted			1	1	0	1	1	1	0	0	0	5	
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 & EM-01 contractors received for the KPI data set for May 2022. This illustrates discontinuity associated with Contractor submitted data.

6.2 Safety Performance

In June 2022, 1 LTI and 2 first aid cases were recorded at MW-01.

6.2.1 Injuries and Illness Performance

Total recordable injury and illness during the reporting month were one and two first aid cases were recorded. As a consequence, monthly TRIR, LTIFR & FACFR of DHPP for June 2022 are estimated as 0.02, 0.02 and 0.05.

6.2.2 Unsafe Condition, Unsafe Act and Near-Miss

151 unsafe acts, 407 unsafe conditions and 4 near misses were identified during the reporting month. Figure below presents contract wise unsafe acts, conditions and near misses during the reporting month.

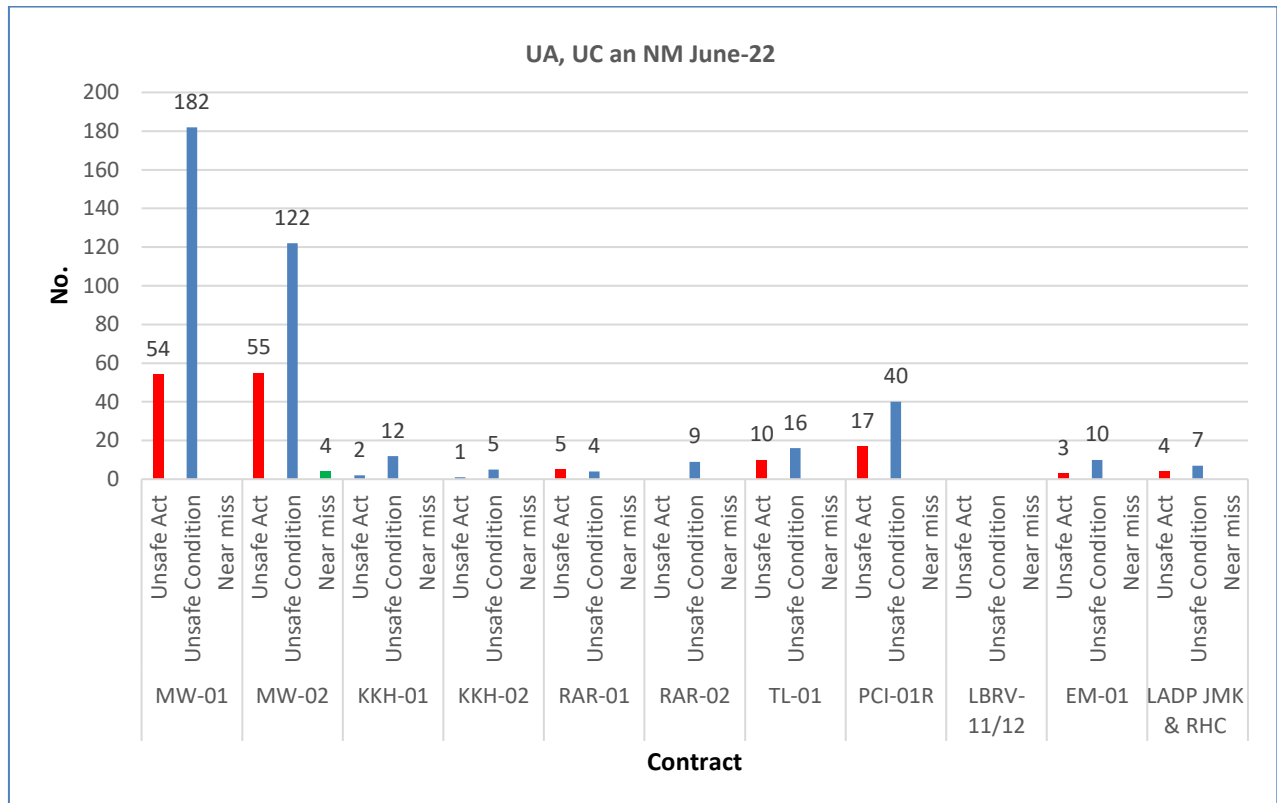


Figure: Contract-wise unsafe acts and conditions

6.2.3 Monthly OHS Progress Review Meeting

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

Table 6.2: Status of Outcomes in June 2021 Monthly Progress Review Meeting

Sl.	Contract	OHS MoM Status in June-22				
		Total	Open	Partially closed	Closed	New Items added
1.	MW-01/02	13	5	1	4	3
2.	RAR-01	8	2	0	3	3
3.	KKH-01	8	5	0	2	1
4.	PCI-01	6	6	0	0	0
5.	TL-01	5	4	0	0	1
6.	LBRV 11/12	4	4	0	0	0
Total		44	26	1	9	8

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 in April	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	1	37	0	39
PCI-01R	0	0	14	0	14
LBRV-11/12	0	0	2	0	2
RAR-02	1	0	0	0	1
LADP SA-01	0	1	0	0	1
Total	2	2	64	0	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
1.	MW-01/02	2
2.	RAR-01	1
3.	KKH-01	1
4.	PCI-01	1
5.	TL-01	0
6.	LBRV 11/12	0
Total		5

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.	June 24, 2022	Pre hazard assessment	Muhammad Iqbal (Deputy Lead OHS -DHC)	DHC, PMU & Contractors OHS staff	23
2.	June 10, 2022	Importance of PPEs	Muhammad Iqbal (Deputy Lead OHS -DHC)	DHC, PMU & Contractors OHS staff	10
3.	June 3, 2022	Work at Height	Muhammad Iqbal (Deputy Lead OHS -DHC)	DHC, PMU & Contractors OHS staff	19
Total					52

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	4	51
2.	KKH-01	2	14
3.	TL-01	3	35
4.	MW-01	18	434
5.	MW-02	10	161
6.	PCI-01	3	34
7.	LBRV 11/12	2	36
Total		42	765

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	30	488
2.	KKH-01	11	45
3.	TL-01	10	110
4.	MW-01	480	14400
5.	MW-02	480	14400
6.	PCI-01	20	187
7.	LBRV 11/12	4	16
Total		1035	29646

6.3 General OHS Management Activities

6.3.1 High-Level OHS Management

The International Environment Advisor B/ OHS Expert left Pakistan on June 1, 2022 as the new security policy does not allow travel during day time. He has been supporting the field team in the following matters:

- Coordinate with World Bank and International OHS Specialists regarding new security policy and the consequences of the policy on the safety of all expatriates.
- Review field progresses, prepare agenda for weekly OHS meetings, send Zoom invitations to all participants, attend and moderate the meetings,
- Review CO Monitoring results and recommend CGGC to take preventive measures.
- Review proposed incident investigation template and provide comments and recommendations on improvement and align with PR12,
- Discuss with the field team on the field issues, e.g., review of draft NCRs, 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,
- Review the comments of PMU on EPRP and support OHS specialist to finalize the document.

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
 - Reviewed lacerations (cuts) to a worker's fingers and unsafe act of grinder usage and guidance provided to DHC OHS section on appropriate investigation
- Support CGGC (RAR-02 and KKH-02) in updating their OHSMPs based on the comments from DHC and World Bank for final submission to DHC for full approval.
 - Clarification and guidance on OHSMP processes and SOPs
- Review WB Incident Investigation Guidelines and provide comments
- Review K9 Method Statement for OHS issues
- Review and advice on WhatsApp groups for unsafe acts and conditions.

6.3.3 OHS Underground Works

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

- Review comments on EPRP from PMU and address them. Update EPRP for onward submission to PMU
- Discussion with OHS Advisor to find better investigation reporting template: Following the review and analysis of the incident reports, it was suggested to align Incident Reporting Template with PR12 and suggest recommendations to update PR-12.
- Developing a new incident reporting template: Draft template was reviewed by the OHS Specialists and feedback obtained. A draft Flash Report was prepared to adapt with incident reporting template.

6.4 The Engineer's Training/Drills Participation

During June 2022, the Engineer delivered 3 trainings to DHC, WAPDA and Contractors staff on different OHS subject.

6.5 The Engineer's Inspection/Audit/Instructions

- DHC OHS team have conducted 124 Walk-through Inspections on different worksites during the reporting period. Senior staffs were involved in 5 number and field professionals, inspectors and Jr. OHS Professional were involved in 119 numbers of walk-through, respectively.
- Issued (10) 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 June 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. About 71 acres 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 18.80 billion was paid, including PKR 18.46 billion to 7,485 PAPs through 11,119 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 June 2022, an amount of PKR 86,994,372/- was paid as compensation payment to 131 PAPs of 15 components. A total of 166 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.	Dam Site Siglo-02 File-03	4	6	3,140,963
2.	KKH-02 Additional Land Awai to Lootar Part (A)	5	5	750,250
3.	KKH-02 Additional Land (Kaigah to Awai) Area-1 (A) Part-I	3	3	1,113,128
4.	KKH-02 Additional Land (Kaigah to Awai) Area-2 (A) Part-I	1	1	2,154,805
5.	KKH-02 Additional Land (Kaigah to Awai) Area-2 (A) Part-II	2	2	381,539
6.	KKH-02 Additional land Awai to Lootar Part A	2	2	300,100
7.	KKH-02 Additional Land Lootar to Shukrait Nalla Area 1A	1	2	269,488
8.	KKH-02 Additional Land Lootar to Shukrait Nalla Area 2A	4	4	944,950
9.	KKH-02 Additional Land Shukrait Nallah to Shuri Nallah	1	1	1,212,536
10.	KKH-02 Kaigah to Awai Area-1 (A)	17	22	11,590,869
11.	KKH-02 Kaigah to Awai Area-1 (B)	14	14	7,030,808
12.	KKH-02 Lootar	35	39	4,687,571
13.	KKH-02 Lootar to Shukrait Nallah Area 1A	4	4	689,334
14.	KKH-02 Lootar to Shukrait Nallah Area 1B (II)	28	48	9,376,923
15.	Sazeen Nullah to Shatial Limits (File-2)	10	13	43,351,108
	Total	131	166	86,994,372

7.1.3 Meetings of Compensation Disbursement Committee (CDC)

During the reporting month, meeting of Compensation Disbursement Committee (CDC) was held on 9th June only for one component “Sazeen Nullah to Shatial Limit (File-2)”.

The nominated representatives of WAPDA and DHC participated in the meeting in addition to representative of DC/LAC Office and the members of the respective components’ community (local representatives). The Qabaz-ul-Wasool was reviewed and signed by all CDC members.

7.1.4 Land Revenue Survey and Revenue Record:

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 June 2022.

Sr. No.	Component	Received on	Submitted on
1	Crush Plant Area , Kaigah	06.06.2022	21.06.2022
2	KKH-01 Additional Land (PTB-01)	06.06.2022	08.06.2022
3	Baily Bridge Gumoon/Looter (Right Side) Area-01	06.06.2022	21.06.2022
4	Kaigah Quarry Area-2 Adjoining Area	23.06.2022	28.06.2022
5	Crush Plant Kaigah Area	23.06.2022	26.06.2022

7.1.5 GIS Verification

The GIS Team processed the GIS verification of 12 received components (with an estimated area of 1,160 Kanals / 145 acres) during the reporting month, out of which GIS Certificate was issued for 11 components (1,134.75 Kanals / 141.84 acres), while GIS verification of one component (25.30 Kanals / 3.16 acres) was returned back to LAC/DC Office with observations for further rectification. Details are given in the Table below;

Table 7.3: Status of GIS Verification Done during Reporting Month

Sr. No.	Component	Area			Remarks
		Kanal	Marla	Sarsai	
1	Bailey Bridge Gumoon Looter (Right Side) Area-1	981	9	0	Certificate issued at SI-2019 dated 20-06-2022
2	KKH-01 Additional Land PTB-01 Area	21	10	0	Certificate Re-issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
3	KKH-01 Additional Land PTB-02 Area	3	5	0	Certificate Re-issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
4	KKH-01 Additional Land PTB-03 Area	0	16	0	Certificate issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
5	KKH-01 Additional Land PTB-4A Barseen Area	12	15	0	Certificate Re-issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
6	KKH-01 Additional Land PTB-4B Barseen Area	3	16	0	Certificate Re-issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
7	KKH-01 Additional Land PTB-5 Area	3	18	0	Certificate Re-issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
8	KKH-01 Additional Land PTB-6 Area	0	18	0	Certificate Re-issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
9	KKH-01 Additional Land PTB-7 Area	3	13	0	Certificate Re-issued at SI-2019 with cover letter of 2022 drone imagery dated 07-06-2022
10	Access Road to Resettlement Site-4 (Kuz Chouchag)	25	5	8	Letter sent for masavi correction to LA Section 01-06-2022.
11	Kaigah Quarry-2 Adjoining Area	59	16	0	9 Observation out of 10 Khasras sent to LA section 16-06-2022. GIS Certificate issued at 27-06-2022
12	Crush Plant Area Kaigah	42	19	0	10 GIS Observations at SI-2014 sent dated 20-06-2022. GIS Certificate issued at 26-06-2022
	Total	684	16	10	

In addition to GIS Verification, the GIS Team carried out the following activities during the reporting month.

- i. GIS Team extracted the residential khasras of following components in separate files of MS-Excel and GIS location maps as required by S&R Section for preparing files of individual HHs for ESMR Package.
 - Kotgal Reservoir Area.
 - Kotgal-2 Kandia Reservoir Area.
 - RAR-02 Kandia Bridge to Dandar.

- Natbail to Bair Kandia Reservoir Area.
 - Natbail to Sluch Bridge Reservoir Area.
 - Natbail to Bair Kandia Reservoir Area.
 - RAR-02 Dogah.
 - Dogah Nullah to Gayal Limits File-01.
 - Milar Limits to Dogah Nullah Reservoir Area File-01.
 - Milar Limits to Dogah Nullah Reservoir Area File-02.
 - Milar Limits to Dogah Nullah Reservoir Area File-03.
 - Siglo-02 File-03 Area.
- ii. Prepared Drawings / Maps of CVC crushing and batching plant arrangement bid proposal / contractor plan & final plan for PM.
 - iii. Updated General Layout Plan with 5th Tailrace Tunnel.
 - iv. Prepared map of Kass to Siglo Area with DAM structure and colony for PM.
 - v. Visited Siglo Blasting area with Chief S&R & other line departments for verification of Household dated 07-06-2022.
 - vi. Visited Cable Crane area with Chief S&R, MW-01 team and Contractor dated 04-06-2022.
 - vii. Prepared Proposed Crushing & Batching plant of CGGC at Uchar on Drone Imagery for Advisor to DHC Management.
 - viii. Land acquisition court case on WAPDA by Sakha-u-din group of Siglo area. Attended by Principal GIS in Senior Civil Court Dasu, dated June 13, 2022.
 - ix. Land acquisition court case on WAPDA by Sher khan group. Attended by Principal GIS in Setion/District Court Dasu, dated June 13, 2022.
 - x. Prepared construction drawings of RAR-02 with Plan, Profile, Earthwork Cross-section and ROW limit KM 39+800 to End Point.
 - xi. Prepared geological Performa drawings of 8 tunnels.
 - xii. Prepared geological profile of water ways and underground power house complex for MW-02.
 - xiii. Prepared Satellite images map for KKH-02 new alignment and bid alignment comparison with access roads from existing KKH.
 - xiv. Prepared progress map of Diversion tunnel for MW-01.
 - xv. Schematic layouts of roads network from Islamabad to Raikot Bridge.

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 nine components and submitted to WAPDA for transfer of funds to LAC designated account. The details of cost assessments are given in Table below;

Table 7.4: Status of Cost Assessment and Verification Comp during the Month

Sr. No.	Component	Received on	Submitted on	Amount (Rs.)
Land				
1	Access Raod to Resettlement Site-4 at Kuz Chuchang	06.06.2022	14.06.2022	28,358,563.00
2	KKH-01 Add Land PTB-3	06.06.2022	14.06.2022	276,829.00
3	KKH-01 Add Land PTB-1	06.06.2022	14.06.2022	9,527,663.00
4	Crush Plant Area Kaigah	06.06.2022	14.06.2022	25,324,752.00
5	Additional Land at Kaigah Quarry-2	06.08.2022	14.06.2022	32,621,897.00
Built-Up Property				
1	Additional Land Tailrace Area-02	11.06.2022	14.06.2022	20,269,460.00
2	Kass Disposal Area-01 File-03	11.06.2022	14.06.2022	2,738,791.00
3	Kass Disposal Area-01 File-01	11.06.2022	14.06.2022	1,535,125.00
Non-Fruit Trees				
1	Tailrace Outlet Additional Land Area-02	11.06.2022	14.06.2022	602,210.00

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 delyaed. 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, updating HHS information on MIS, and meetings with various stakeholders. Task-wise details of activities carried out by R&R Team during the reporting month 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
- During the reporting month some social issues reported by Contractor from resettlement -1 & 4 at Chuchang were resolved by the S&R team.
- Few groups of Chuchang RV-1 has some issues in plot size. The S&R Team along with Infrastructure Team visited the area and resolved the issues mainly related to plot size.

7.2.2 SMR Implementation Progress

- By the end of June 2022, an amount of Rs. 552.80 Million have been paid to 159 Affected Households.
- File preparation work remained in progress. The SMR Working Committee remained engaged 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 engaged in revising the files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC).
- The S&R field teams remained engaged 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 more than 500 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.
- S&R Team has already given Notices to the AHHs of Priority Areas for early relocation;
- 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 June 2022, a total amount of PKR 75,619,875/- paid as TRP to 208 RVs (PKR 64,765,000/-) 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, 27 cheques were issued to 27 AHHs from KKH-01 (ROW), Additional ROW (KKH-01) and Khushi Access Road to Ventilation Tunnel components, a total amount of PKR 3,330,000/- 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 below.

Table 7.5: 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	3,740,749	6	0	810000	4,550,749
2	Bar Chuchang	1	3	495,924	0	0	0	495,924
3	Khushi Access Road to VT	13	1	4,750,983	1	0	90000	4,840,983
4	Khushi Dumping	9	8	5,037,651	0	0	0	5,037,651
5	Khushi to Logro	56	0	4,650,000	0	0	0	4,650,000
6	KKH-01 (ROW)	34	22	20,192,349	20	0	2430000	22,622,349
7	Logro	43	0	19,690,000	0	0	0	19,690,000
8	RAR-01 (ROW)	16	26	6,937,729	0	0	0	6,937,729
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	72,289,875	27	0	3,330,000	75,619,875

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 (June 2022), no cheque was issued for commercial structures.

Table 7.6: 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

Total 294 affected houses / households have been shifted with their families to different locations. The Component wise details of relocated houses are as under;

Table 7.7: Updated Status of Relocation of Houses during the Reporting Month

Sr. No	Component Name	Status of Structures		Update Status of Relocated Households
		RVs AHHs	Self AHHs	
1	KKH-01 (ROW)	34	22	90% AHHs residing with in the Premises of Dasu Town
2	Logro	43	0	100% AHHs residing in Dassu and Komila Town i.e. Komila, Logroo and Jalkot village
3	Zhongmei Camp	4	1	Residing in Teyal village in Dasu Town
4	Additional ROW (KKH-01)	6	4	Residing in Gul-e-Bagh village only two families in Komila town.
5	RAR-01 (ROW)	16	26	Total 16 RVs AHHs residing in Sigloo village
6	Khushi Dumping	9	8	Majority migrated to District Mansehra and Abbottabad while some are residing in Komila Bazar
7	Uchar Thoki (Uchar Contractor Camp-2 Thoki)	15	0	The household shifted to nearby village
8	Khushi Access Road to Ventilation Tunnel	13	1	RVs and self-managed relocated families shifted to Taxila, and Hassanabdal of Punjab province and some are residing in Muzaffarabad AJK. Three families still residing in switchyard area of Khushi village
9	Khushi to Logro	56	0	Majority migrated to District Mansehra and Abbottabad while some are residing in Komila Bazar
10	WAPDA Offices and Colony Chuchang	11	0	The household shifted to Chatter plain District Mansehra
11	Tailrace Area Kuz Chuchang	0	3	RVs AHHs are residing in Komila Bazar, Jalkot and Dasu area
12	Khushi Access Road	0	18	
13	Bar Chuchang	1	3	
14	Barseen	0		The structure are under demolishing process
Total		208	86	

7.2.5 Other Major Activities Carried Out by R&R Team

- On 1-06-2022 a joint field visit was organized to Uchar Spoil dumping area in order to verify the houses for SMR package. The team visited the mention component and observed the houses. Total 20 houses were verified among which 16 houses have already been demolished while 4 houses are still existing on the ground.
- On 7-06-2022 a joint field visit was organized to Siglo Blasting Area for verification of 8 houses for SMR package. The houses were inspected thoroughly and noted the comments against each house. On the same date meeting was also held with Director S&R WAPDA and prepared the MOM for SMR files referred by Field Verification Committee.
- On 10-6-2022 a joint visit was organized to Komila bypass to inspect the demolishing status of 08 houses which have already been verified by FVC and report also has been submitted to Review & Scrutiny Committee. The houses were found still existing partially and completely except one house of Mr. Umar Daraz at Komila bypass file-01 which was found completely demolished. Owners of the rest houses have been instructed to demolish their houses as soon as possible and then they will be eligible to collect their SMR cheques from SMR-IC.
- On 23-6-2022 again field visit was organized to Komila bypass and found that 5 houses have been dismantled by the owners but they had not completely dismantled their houses. While the rest two owners yet not stated to demolish their houses. Again they were instructed to demolish

the same the owners of the houses have made commitment to demolish the houses under observation by next day.

- On 27-6-2022 attended Review & Scrutiny Committee Meeting in the committee room of WAPDA office, in this meeting 27 SMR Files of Siglo File01 were thoroughly reviewed and scrutinized. Out of 27 SMR files 25 were recommended to SMR IC for further payment process while 2 SMR files were rejected being not eligible for SMR package.
- On 29-6-2022 attended Review & Scrutiny Committee (RSC) meeting in the office of director S&R WAPDA in which all four committee members participated. Reviewed and scrutinized 44 SMR Files of various components.
- On 30-6-2022 got 46 SMR files of various components from the Ex-Convener field verification committee successfully and travelled back to office

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).

- Chuchang Resettlement Site -1 is under development and currently contractor is working on Sewerage Line and Retaining wall beside the road. Plots of Mr. Haroon is also being developed. Mr. Kan from Infrastructure section discussed the issue regarding location of septic tank for the said plots. Also the possibility of construction for a breast wall for the plots. On June 02, 2022 PC & P and Infrastructure Teams visited the site to assess the ground position for the above mentioned issues. The detailed discussion was held with Mr. Haroon in presence of contractor representative. The following points were finalized.
 - i. Firstly, septic tank design was discussed and Mr. Haroon showed the boundary of his land and ask to design the septic tank anywhere. Lately it was decided that the septic tank will be constructed near the under construction Masjid beneath the plots. Mr. Rasheed, after viewing the design and map sheet convinced that the land is suitable for the septic tank.
 - ii. The breast wall issue behind the plots was also debated and technical team after their assessment told the location will be further examined by its topography and if feasible the wall will be provided. The construction of wall is an issue due to excavation of sand by the land owner. The owner is also informed that some sand has been excavated by him which will not be back filled by WAPDA or Contractor. Mr. Haroon agreed upon and said he will not demand anything in this regard.
 - iii. Another issue was also discussed regarding the temporary access to Masjid. The access will be used for transportation of construction material. Mr. Haroon showed his land and allows the contractor to use his land for the purpose.
- The contractor is working on Sewerage Line and Retaining wall beside the road on Vhuchang Resettlement Site 1. The Infrastructure section requires a piece of land for construction of Water Tank for the Resettlement Site. Earlier a piece of land was given by Mr. Pasand Khan but that was not feasible for the said task and he refused to give the alternate land on voluntarily basis. The PC & P team consulted the matter with different Affected Households to get another suitable land. The most of the AHHs have land beneath the Resettlement site and would not be feasible for provision of water. Mr. Muhammad Jan showed his consent to provide the land. He was told that the tank will be for entire resettlement site and water supply will not be disturbed for any AHH. After thorough discussion with him he agreed to provide the land for the water tank. In this regard, PC & P team visited the Chuchang Site 1 with Survey section team to fetch the coordinates for the proposed land provided by Mr. Muhammad Jan. The coordinates have been further sent to RE Infra for feasibility and technical assessment.

- Chuchang Resettlement Site – 4 (Kuz Chuchang) is under development for the affectees of Chuchang Village. The contractor has almost developed the plots and finishing work is being carried out. An access road is designed to facilitate the residents of the resettlement site. The land for this access road is to be acquired by WAPDA. The land was proposed by the AHHS settling in the said site. The coordinates of the land boundary were provided to infrastructure section to assess the feasibility and design of the road. A design was finalized and case was forwarded to initiate the process of land acquisition. The revenue team started the survey and found that there are some houses in the RoW of the road. The house owners stopped the survey work. They demanded to amend the access road alignment so that the damage to houses may be avoided. An application (attached) was also submitted to Deputy Commissioner Upper Kohistan regarding the issue. The matter was discussed with technical team to re-align the road so that the houses may be saved. They told that there is no room to change the alignment due to slop issue. A consultation meeting was convened with the affected households on June 21, 2022 at S & R Jirga Hall DHC. During the meeting the matter was discussed with the applicants and told that the land is required for access road. The applicants told the meeting that they have ben migrated from Jalkot Village due to enmity. This land was bought by them to salvage their families from the tribal conflicts. Earlier, the HH were affected by KKH-01 and Additional Land of Grid Station. According to community, the promises made by WAPDA officials and District Administration regarding the compensation were not fulfilled. After the acquisition of additional grid station land, the affectees constructed their houses as the last resort because there is no other land available for them to relocate there. The community refused to allow any survey for acquisition of land as they are not willing to spare the land.
- Chuchang Resettlement Site – 4 (Kuz Chuchang) is under development for the affectees of Chuchang Village. The contractor has almost developed the plots and finishing work is being carried out. While working on the lower portion of the said site, a water channel was damaged due excavation and construction of retaining wall. The community requested to restore the channel as it is used for agriculture purposes. The contractor reported that the local community has stopped the work due to damage caused to water channel. PC & P team of DHC visited the site and consulted with locals and contractor staff. After visiting the site and witnessing the damage, a detailed meeting was held at contractor’s office. The PC&P team during the site visit observed that the channel needs a proper repair and reconstruction. The community told that last year when the damage was done, contractor promised to restore the channel in the presence of WADPA and DHC officials. After the detailed discussion over the matter it was decided that the community will not further stop the work or create any hindrance in construction work. The contractor agreed to reconstruct the water channel.

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

Table 7.8: 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	03	- Identification of Water Source and land for Water Tank - Access Road Land Issue - Work Stoppage due damage of Water Channel
2	Chuchang – 01	16	02	- Septic Tank location issue with Mr. Haroon - Land identification for Water Tank

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 12 reports on 38 components have been completed and submitted to WAPDA,

Table 7.9: 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 (Dasu to Kaigha)	1. KKH-01	Submitted on March,2019
5		6 Villages (Kass to Sigloo)	1. RAR-01	Submitted on March,2021
6		Kotgal Village	1. Kotgal Reservoir-01	Submitted on March,2021
			2. Kotgal Access Road	
			3. Japan bridge to Dhundar	
7		Uchar Village	1. Access Road to resettlement site-1 Uchar	Submitted on August,2021

Sr. No	Title	Village Name	Component Name	Status
			2. Contractor Camp-2 (Thoki Uchar)	
			3. Dumping area Uchar	
			4. Contractor (Zhongmei) Camp Uchar	
			5. Uchar to Logroo reservoir	
			1. Pani Bah Access Road	
8		Pani Bah Village	2. Pani Bah Reservoir-01 3. Pani Bah Reservoir-02	Submitted on August,2021
9		Logroo Village	1. Logroo-01 2. Logroo-02 3. Logroo Reservoir-01 4. Logroo Reservoir-02	Submitted on August,2021
10		Kuz Chuchang	1. Tailrace Area	Submitted on August,21
11		Sigloo Village	1. Sigloo-1 File-1	Submitted on December,2021
			2. Sigloo-1 File-2	
			3. Sigloo-2 File-1	
			4. Sigloo-2 File-2	
			5. Sigloo-2 File-3	
			6. Sigloo-2 File-4	
			7. Sigloo-3 File-1	
			8. Sigloo-3 File-2	
12		Barseen Village	1. Barseen Reservoir Area-1	Submitted on April,2022
			2. Barseen Reservoir Area-2	
			3. Barseen Contractor Camp-1	
			4. Barseen Access Road	
			5. Barseen Nullah Reservoir Area	
			6. Barseen Zhongmei Explosive Magazine	

The survey of Sluch and Barseen village is completed and report is in progress and the survey of another components/villages "Seer Gayal village" is in progress.

Table 7.10: 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	Sluch Village	104 PAPs interviewed	Report is in progress	Report will be submitted in June,2022
2	Seer Gayal Village	Survey in progress (132 PAPs interviewed)	-----	The revenue survey of one component in Seer Gayal village has not been completed yet the verification is in process. When the revenue survey is completed than this component will be added.

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

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

7.4.3 Other Major Activities carried out during the Month

The ILRP Team undertook following activities to support Resettlement Team

- Meeting with DD WAPDA at DHC office regarding discrepancies in C&W record on 3-6-2022
- Assisted Working Committee regarding finalization of SMR files of different villages on 4-6-2022
- Prepared project Allowance sheet of Kaigha village on 6-6-2022
- Prepared Allowance sheet of Sluch village on 7-6-2022
- Assisted Resettlement team regarding preparation of SMR files of Sluch village on 8-6-2022
- Assisted Working Committee regarding finalization of SMR files of different villages on 9-6-2022
- Assisted Working Committee regarding finalization SMR files of different villages on 10.6.2022
- Assisted Resettlement team regarding preparation SMR files of different village on 11-6-2022
- Assisted Working Resettlement team finalization SMR files of different village on 13-6-2022
- Assisted Working Committee regarding finalization SMR files of different village on 14-6-2022
- Assisted Working Committee regarding finalization SMR files of different villages on 15-6-2022
- Assisted Working Committee regarding finalization SMR files of different villages on 16-6-2022
- Assisted Working Committee regarding finalization SMR files of different villages on 17-6-2022
- Assisted Working Committee regarding finalization SMR files of different villages on 18-6-2022
- Worked on C&W correction files of different villages and hand over to DD WAPDA
- Review TRP files of Khushi village on 23-6-2022
- Worked on C&W correction files of different villages and hand over to DD WAPDA

- Meeting with Director S&R WAPDA along with S&R Expert regarding project allowance payment for SMR paid AHs
- Meeting with Shakeel sb MSC along with Gender specialist regarding different Gender and livelihood activities in future
- Meeting with Director S&R WAPDA and LAC Kohistan regarding SMR paid files

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 7.11: Status of Priority-I Schemes under LADP

Sr. No	ID	Scheme	Description of Scheme	Tentative Cost (Million PKR)	Status By November 2020
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 date is December 31, 2021 ➤ Bridge Structure is completed. ➤ Approach slab in progress ➤ Approach road retaining wall completed ➤ Old bridge is demolished
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 ➤ Rehabilitation work for medical blocks in progress ➤ Installation of GI Sheets for all roofs completed ➤ Construction of boundary walls completed ➤ Sewerage work in progress
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 ➤ Revised Bidding Document will be prepared once the Komila water Intake issue is resolved. ➤ Tentative commencement of project: March, 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 ➤ Dismantling of existing Mosque completed ➤ Pouring of Concrete for Ground Floor columns completed for Mosque ➤ Shuttering for Ground Floor roof slab of Mosque 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 under review by Engineer.
7	SH-1	GHS/GPS at Seo village	Design and construction of Government High School and Government Primary School at Seo.	30.00	<ul style="list-style-type: none"> ➤ Tentative completion of Basic Design work by December, 2021. ➤ Preparation of Bidding document in January, 2022 ➤ Tentative bid opening: March 2022 ➤ Bid evaluation: April, 2022 ➤ Letter of award: May, 2021 ➤ Submission of performance security: June, 2022 ➤ Tentative commencement of project: July, 2022

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. The Gender Specialist prepared the Skill Development Proposal and submitted to WAPDA for approval and Implementation after necessary amendments. It's at the stage of final Approval. Teacher selection process has been started through TEVTA and hand hunting, keeping into view Kohistan's special context i.e. geographical and social.
- v. Gender Awareness and Sensitization Handbook to be used in upcoming workshops was developed in Urdu and reviewed. 2nd important document is Gender Mainstreaming into Project Cycle is also developed and is in the process of review for managers.
- vi. Three Key Ulema; Including District Khateeb, and Member of Jirga Committee Kohistan shared their keen interest in supporting implementation of activities with women and girls' in the villages. They also committed to mobilize other religious leaders for playing the role of catalyst in mobilizing their respective communities. They were provided the confidence that the activities will be implemented in a religiously and culturally sensitive manner. These Religious leaders are also supporting to identify and ensure the participation of Religious Leaders' in their various trainings and events.
- vii. Proposal and material for the first Follow-up Workshop are prepared and sent to WAPDA Office for their review and approval.
- viii. Some gradual and informal coaching sessions with local staff members are based initially on awareness and sensitization regarding women and girls issues and their redress mechanisms; served to seek their active role in addressing women and girls' pressing needs in the communities. In this relation, they have started their role from mobilizing local activists for piloting and replicating various initiatives. As a first step identification of educated and / or skilled women and girls is in progress; and these local staff and village emerging activists are starting from their families and other villagers. Coaching sessions' dialogues are based on the women needs' identified during field visits.

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 4th 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 (May, 2022). 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 7.12: Observations noted during the Contractors' Camps Inspection – June2022

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 18.80 billion was paid. During June 2022, an amount of PKR 86,994,372/- was paid as compensation payment to 131 PAPs of 15 components. A total of 166 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 June 2022, WAPDA office did not release lease payment cheques to PAPs. At the end of reporting month, a total amount of PKR 506.8/- million was paid to the PAPs as lease and 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	0	0	-	136,970,565
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	0	0	-	78,587,887
	Kass Disposal Area-02	112	278	175,834,389	0	0	-	175,834,389
	Total	245	504	506,765,499	0	0	0	506,765,499

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

At the end of June 2022, a total amount of PKR 75,619,875/- paid as TRP to 208 RVs (PKR 64,765,000/-) 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, 27 cheques were issued to 27 AHHs from KKH-01 (ROW), Additional ROW (KKH-01) and Khushi Access Road to Ventilation Tunnel components, a total amount of PKR 3,330,000/- 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	15,058,876,816	1,805,139,759	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 774 Qabzul Wasools recorded by end of the reporting period.

- Total 78 SMR cheques issued to AHHs by June 30 2022 were entered in MS Excel Database.
- TRP cheques issue to 27 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	0
2	Compensation Payment Entry in MIS	10,145	200
3	Lease Payment Data Entry in MS Excel Database	504	0
4	PAPs Documents Uploading in MIS	23,111	0
5	TRP Cheques Entry in MIS	1160	0
6	SMR Cheques Entry in MIS	115	78

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 the environment modules for input system were reviewed, discussed and upgraded according to the requirements discussed with the relevant team.

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

- EMAPs modules Integration System
- Area Wise Parameters Management System
- Parameter Wise Mitigation Management System
- EMAPs parameter wise Test Parameter Management System
- Field Data Monitoring and Management System

7.12.2 Lease Management System

The land lease management system was further improved after receiving feedback from data entry operators. The modules given below were improved and tested with the real data.

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

- Improvements/features added in Database modules
- Features added in data entry forms
- Improvements in Reporting System

7.12.3 Migration Management System

Data collection systems of contractors for workforce data was changed from multi contract selection to single one and due to which monthly achieved data were exported to MS Excel and updated by the team. During the reporting period, the updated monthly achieved data was imported back to MIS database and a new report was developed.

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

- Monthly achieved data validated and setup in MIS
- Improvements in input, database and output modules
- Development of workforce summary report

7.12.4 Maintenance of Operational Modules

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

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

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

Sr. No	Key Performance Indicator (KPI)	Status by May 2022	Progress during June 2022	Remarks
➤ Land Acquisition and Compensation Payment (LA & CP)				
1	Land Acquired (Acres)	4,558	71	Total land acquired 4,629 acres (92% of the total land)
2	Number of PAPs Compensated	6,964	213	Total PAPs compensated 7,177
3	Compensation Paid (M. Rs)	17.88	0.19	In addition to this an amount of Rs. 245 M paid to courts and Rs.93.32 M, directly paid to PTDC & FWO

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Sr. No	Key Performance Indicator (KPI)	Status by May 2022	Progress during June 2022	Remarks
4	GIS Verifications Completed (Number of Components)	181	01	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)	5,312.65	2.75	
➤ 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	764	02	Various meetings were conducted regarding ESMR Package.
2	Percent issues / disputes resolved	83	75	The resolution of remaining issues in progress
3	Percentage of PAPs participating in consultation meetings	82	84	% PAPs from related villages presented during the meetings
4	Percentage of their suggestions taken into account	87	80	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	--	Trained under 09 Batches of training conducted by DHPP. The training of new Batch (81) Locals started in July at ATI, NLC Gilgit and completed in September 2021
➤ 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	

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Sr. No	Key Performance Indicator (KPI)	Status by May 2022	Progress during June 2022	Remarks
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	Total patients treated in 9 medical camps
3	Number of Females Treated	4,056	4,056	
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
2	Number of Gender Sensitization Sessions Conducted with CGBT / WVCs	04	07	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.
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	0	01	In Consultation with DHC and PMU Management duration, technical and budgetary allocations have been reviewed 3 rd time to make this pilot phase a real success, so that other interventions are built on this activity effectively. Some more women were also added, keeping into view their greater interest.
5	Number of Skill Development Trainings conducted	–	–	New proposal on "Enhancing Vocational Skills of Local Women" is to be implemented
6	Number of GIP Information Centers Identified	01	06	06 locations identified in Shatial and Sazeen in consultations with health department
7	Number of GIP Information Centers Established	–	–	No progress during current month
8	Number of Schools Covered under Health & Hygiene Program	02	–	No progress during current month
9	Number of Project Staff (including Contractor's staff) Benefited from sensitization trainings	72	–	CCECC and PMU Staff
10	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	02	–	Last training was conducted in February 2021 Second; one-week training /excursion trip of Ulemas of District Kohistan Upper held in Islamabad. Next 24 Ulemas are trained and total number is 48 now. Next Visit of third batch is Planned in month of June / July. Individual meeting with two Ulemas has been found effective and provided a good foundation for their positive role during a formal follow-up session of 25 Ulemas in June / July
11	Number of Ulemas Benefited	48	02	Two Batches consisting of 24 each are benefitted making total 48 Ulemas. These Ulemas are now creating awareness among their respective communities. Two Ulemas individual coaching sessions have deepened their understanding and positive role in mobilizing women participation
12	Percent of women using health facilities in project area	25	–	Based on rough estimate, this will be updated figure will be collected during moth of May through health department, Kohistan
13	Percent of women engaged in Income Generating Activities in the Project Area	30	08	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	

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Sr. No	Key Performance Indicator (KPI)	Status by May 2022	Progress during June 2022	Remarks
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 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)	16.86	0	
2	Submissions of Compensation Payment Summaries to WAPDA for Adjustment (Rs. Billion)	15.06	0	
3	PAPs Documents Organization (Number)	30,437	900	
4	PAPs Documents Uploading in MIS (Number)	22,211	900	
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	0	

Dasu Hydropower Project
Monthly Progress Report No. 95 (June 2022)

Sr. No	Key Performance Indicator (KPI)	Status by May 2022	Progress during June 2022	Remarks
8	Lease Payment Data Entry in MS Excel Database	504	0	
> Development of Management Information System (MIS)				
1	Total Modules to be Developed	18	18	Two new modules added; (i) Kass Land Lease, and (ii) Reporting System to view MIS modules by stakeholders
2	Number of Modules Completed	08	09	Land Acquisition, Resettlement, IGRC, LADP IMM,PH, Reporting System, Web Portal, Lease Payments Management
3	Number of Modules Partially Completed	02	01	Environment
4	Number of Modules in Progress / Up-grades	1	1	Environment
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 (%)	71.5	73	Remaining is planned to be completed by April 2022. Detailed Implementation Plan by Modules is available

7.14 Implantation Plan of S&R Teams for Next Month

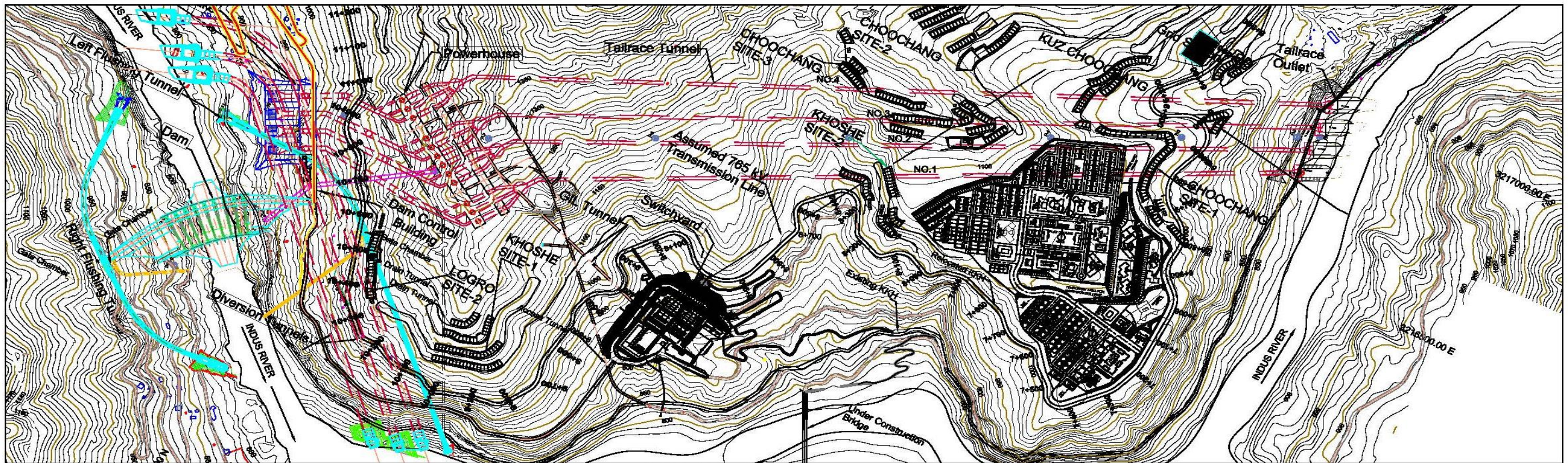
Sr. No	Activity	Timeline	Status / Remarks
> Land Acquisition and Compensation Payment (LA & CP)			
1	Digitization of rectified revenue record received from LAC	Continuous Tasks / Activities Delivered as per agreed timelines as well as urgent requirements	About 84% of land has been acquired so far. Land 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 of Seer Gayal Village	Survey in progress	Survey in progress
2	Proposal on Fish Farm		Proposal will be finalized soon
3	Assessment of Commercial Structure	Survey in progress	Assessment will be start in June,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	

Dasu Hydropower Project
Monthly Progress Report No. 95 (June 2022)

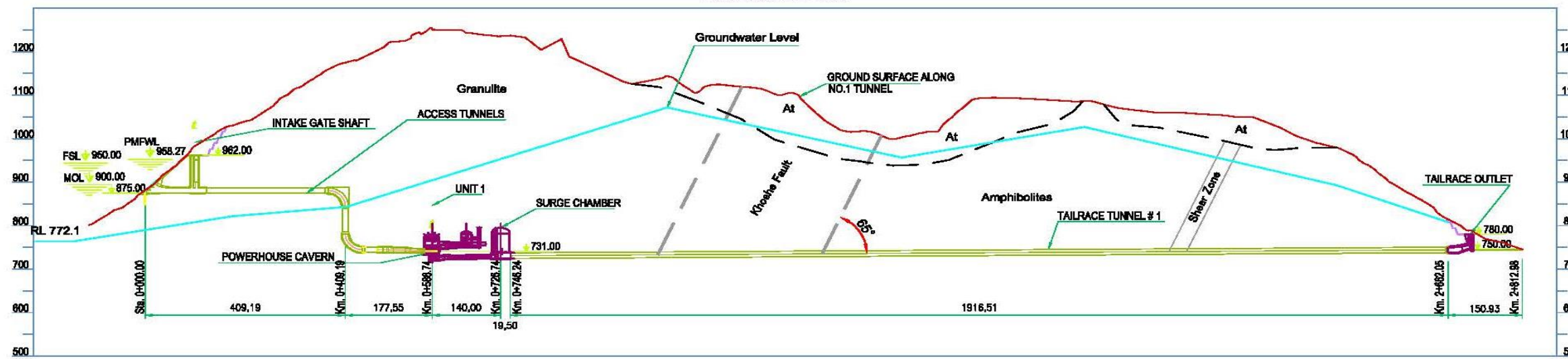
Sr. No	Activity	Timeline	Status / Remarks
> Public Health Implementation Plan (PHIP)			
1	Finalization of PH schemes (under PHIP) in consultation with Provincial Health Department	Delayed In progress	List of priority PH schemes have been finalized for implementation
2	Procurement of 02 well equipped 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 June for the 3rd 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.	Last Week of June	Pilot Phase Training center in Kuz Chuchang Village will be started in June. Proposal had to be revised rs time due to Rapid Increase in Market prices
3	Follow-Up sessions with Ullema, who received trainings from International Islamic University Islamabad	Last Week of June	Engaging the Ulemma through a process oriented approach for their continue role in mobilizing communities from an Islamic Perspective
4	Gender Sensitization Session With CBGT/ WVCs in selected Villages	Last Week of June	Awareness sessions with women group in Kanya will be conducted
5	Gender Sensitization session held with Various Target Group (PMU, DHC, Contractor and other Stakeholders)	3rd week of June	Preparations for a gender Sensitization Session will be made
6	Preparation of Implementing Plan on SH&HP for further villages and follow ups with the existing villages	3rd week of June	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 3rd group of Ulemas will be made during the month of June	3rd. batch of Ulemas will be identified and finalized for a week residential training session at Islamic University Islamabad In June and July.
> 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
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	03-05-2022	
2	Preparation of Compensation Payment Summaries/Submissions	30-06-2022	

Sr. No	Activity	Timeline	Status / Remarks
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	30-06-2022	
> Development of Management Information System (MIS)			
1	Finalization of environment data entry system and development of its reporting system	June 2022	Development of remaining input / output modules for environment management system
2	Technical Support / development of new features in existing modules if required	June 2022	Maintenance of developed and operational modules. It can include improvements in existing systems, addition of new features in existing modules as per requirements

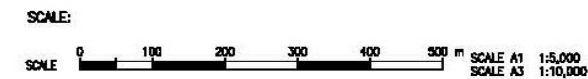
FIGURES



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 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

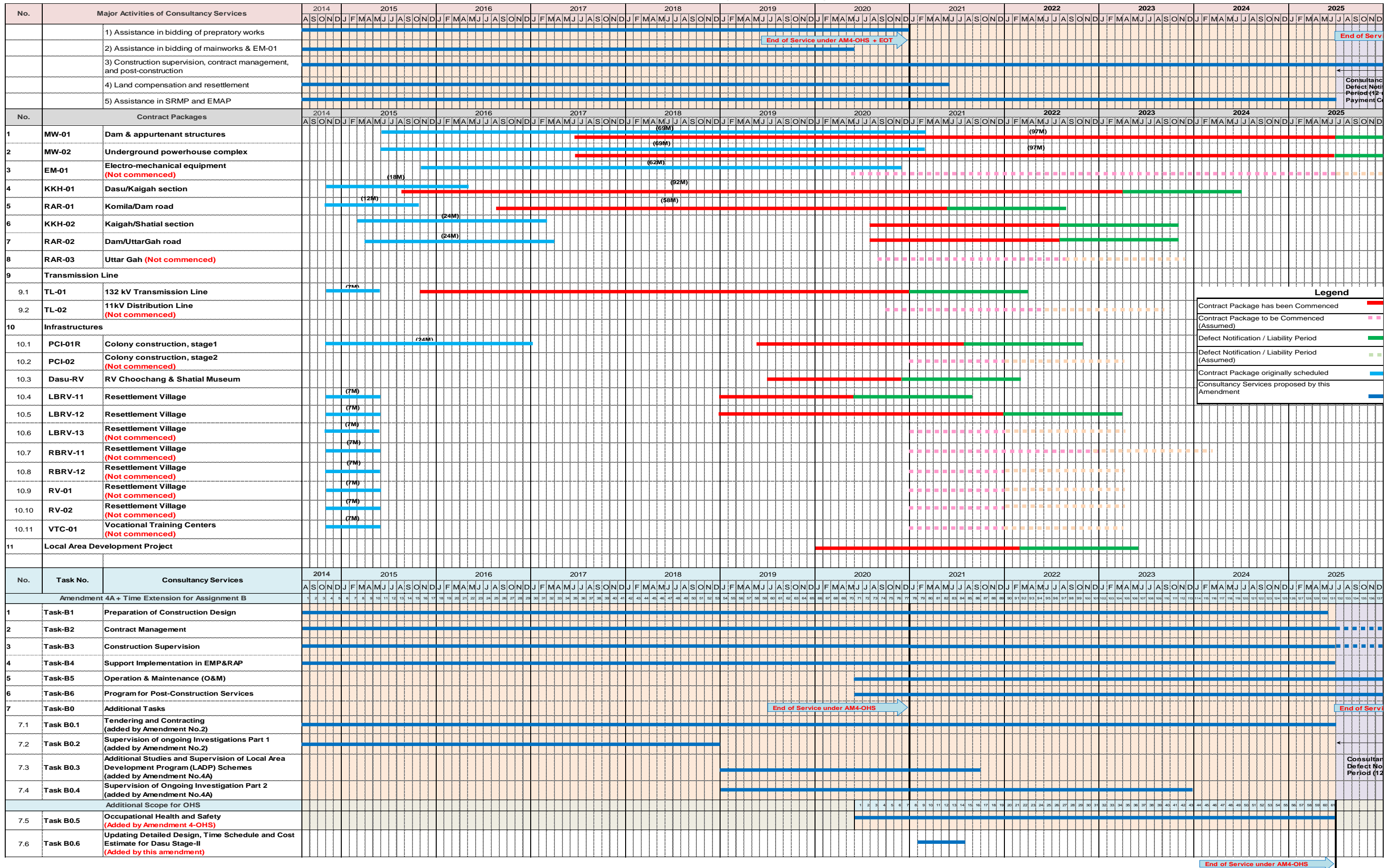


Figure 2: Implementation Schedule

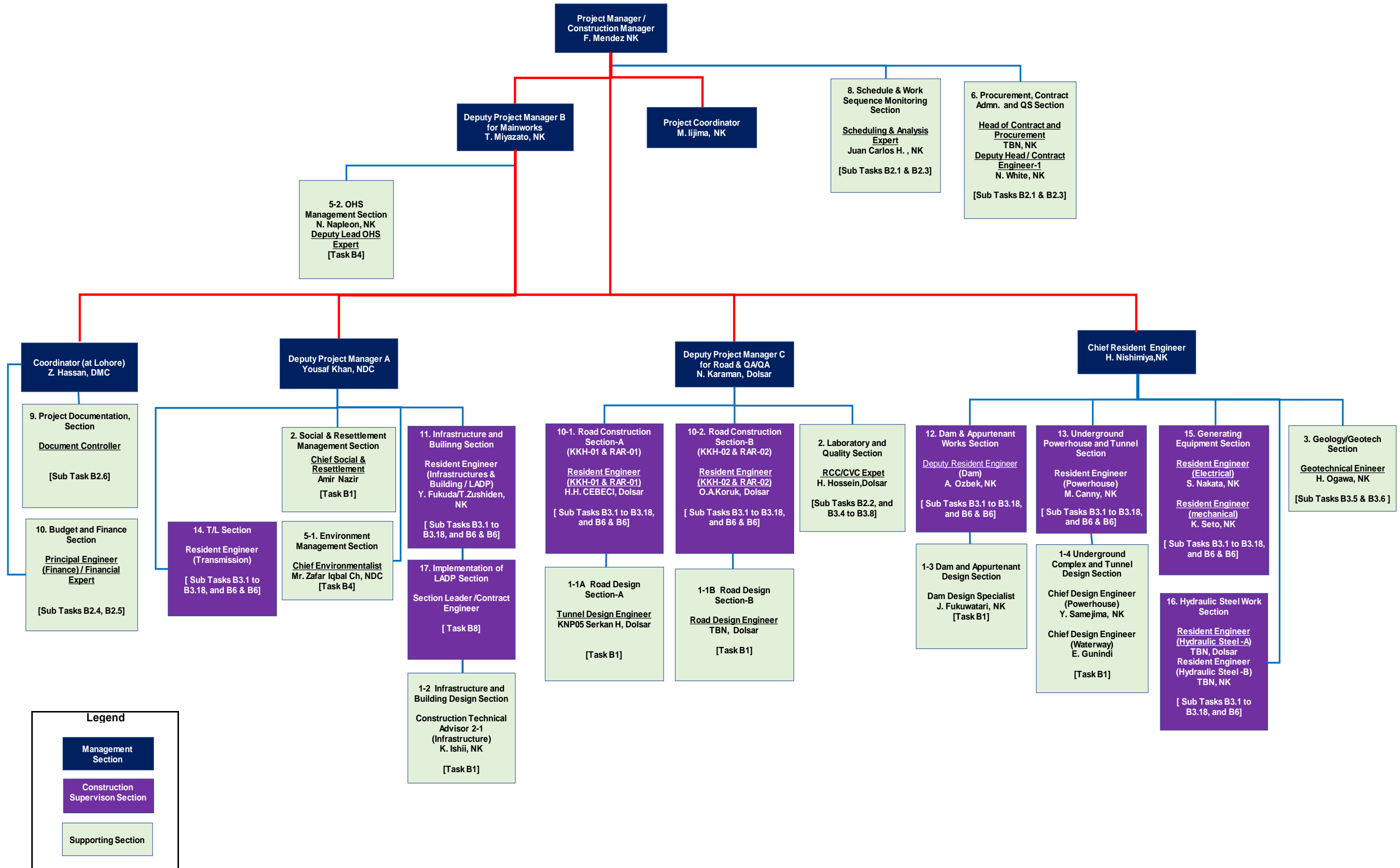
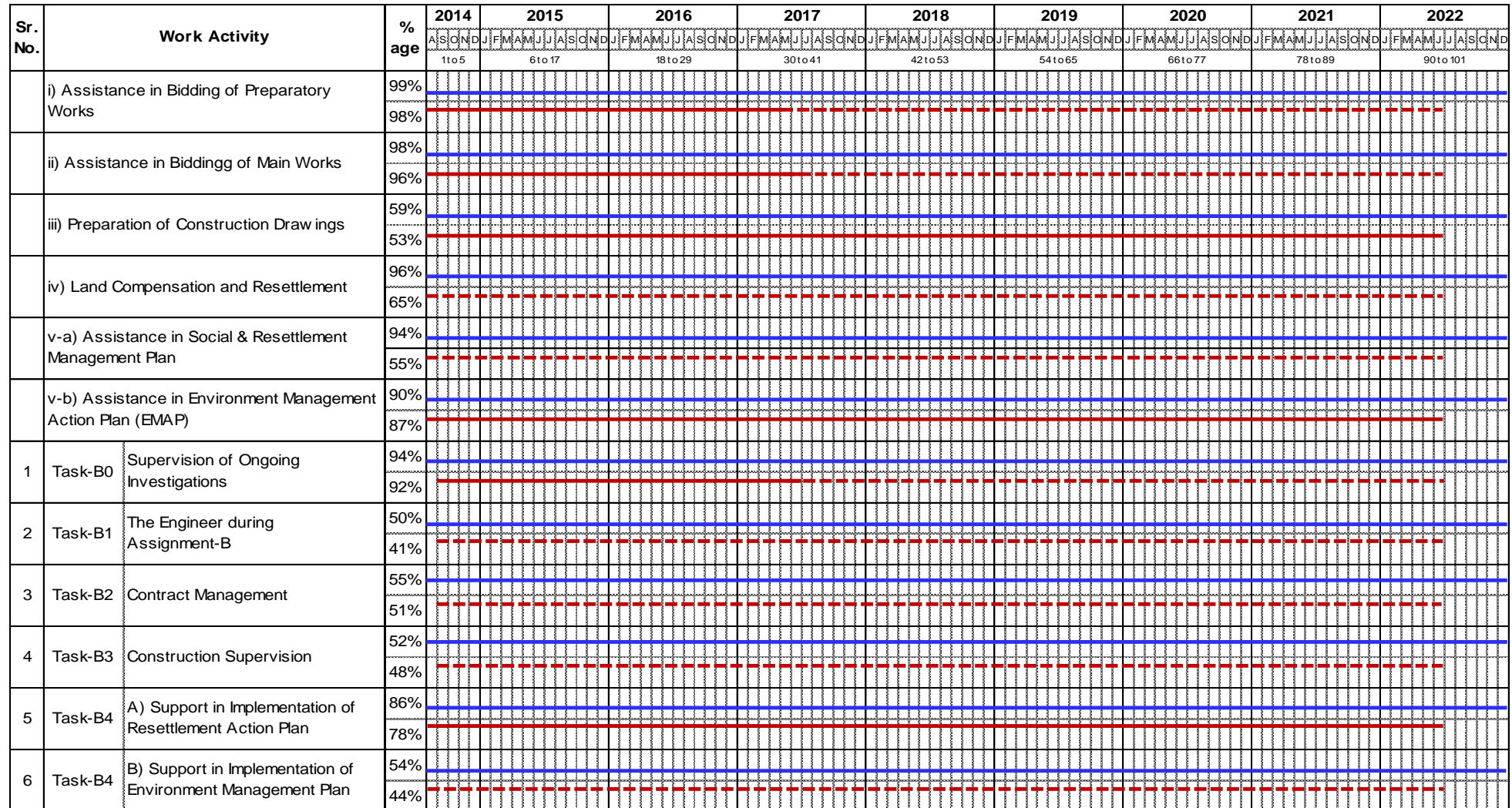


Figure 3: Organization for Consultant Team of Dasu Hydropower Project for Assignment-B

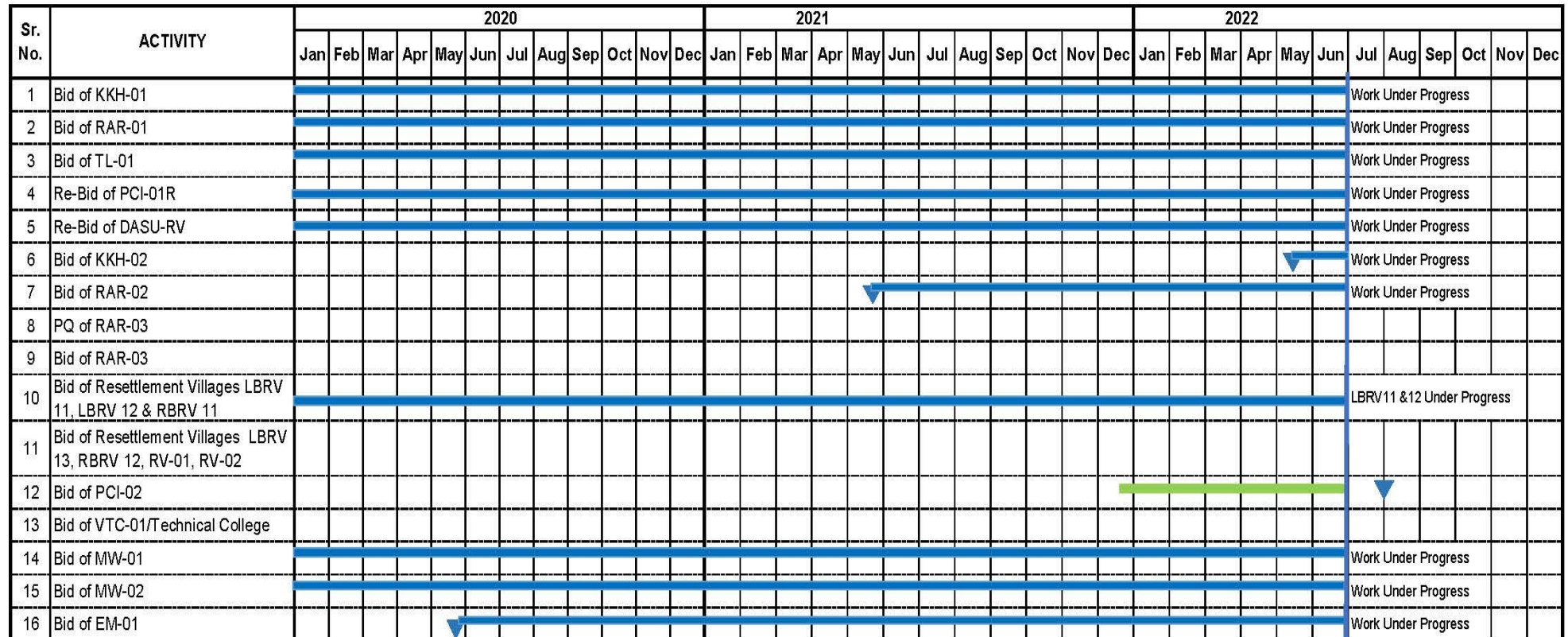
**Work Progress
 Upto Reporting Month**



SCHEDULE 
 PROGRESS 

Figure 4: Work Progress

DASU CONTRACTS PROCUREMENT SCHEDULE (June, 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

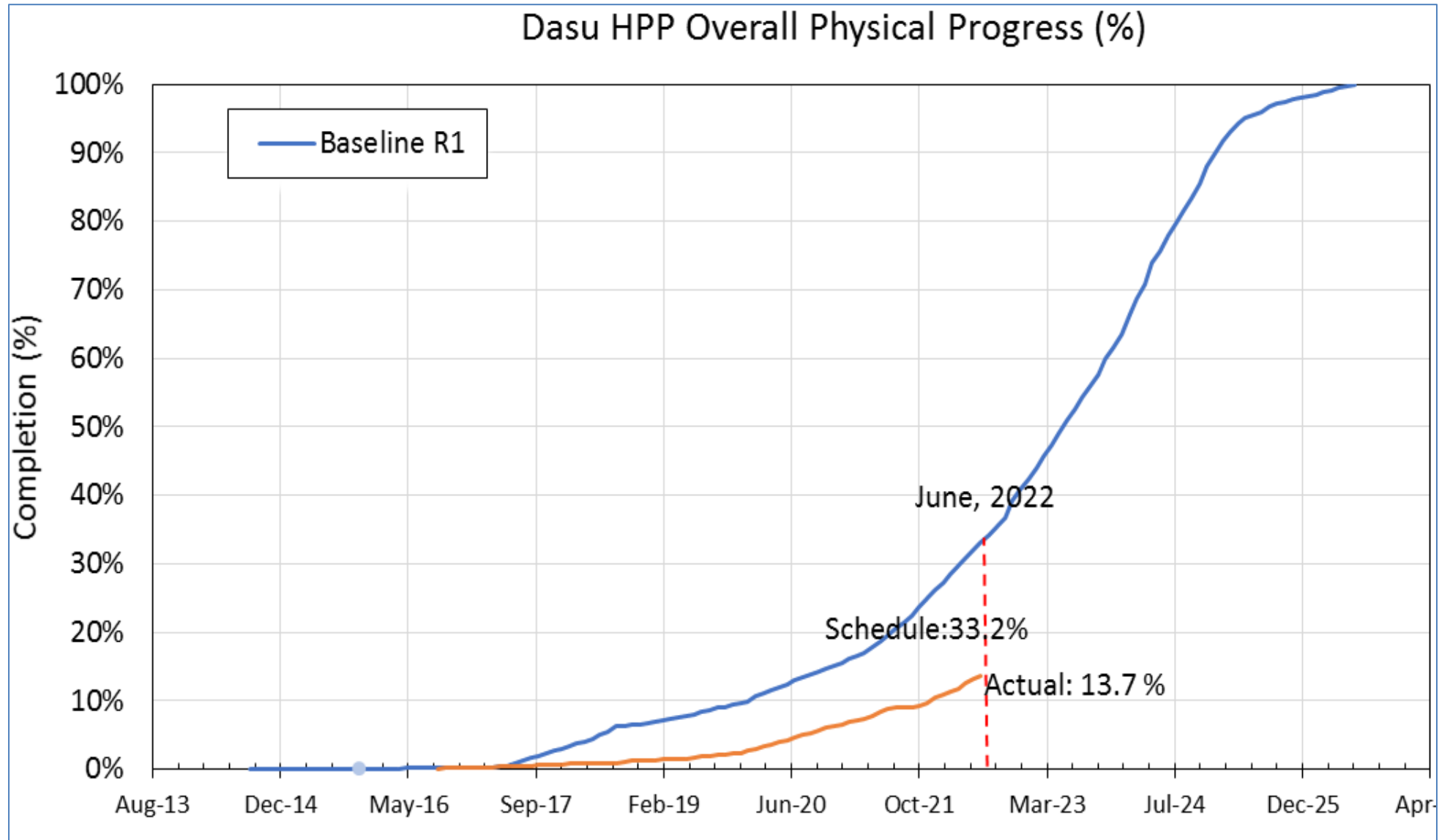


Figure 6: Dasu HPP Overall Progress (Physical Progress)

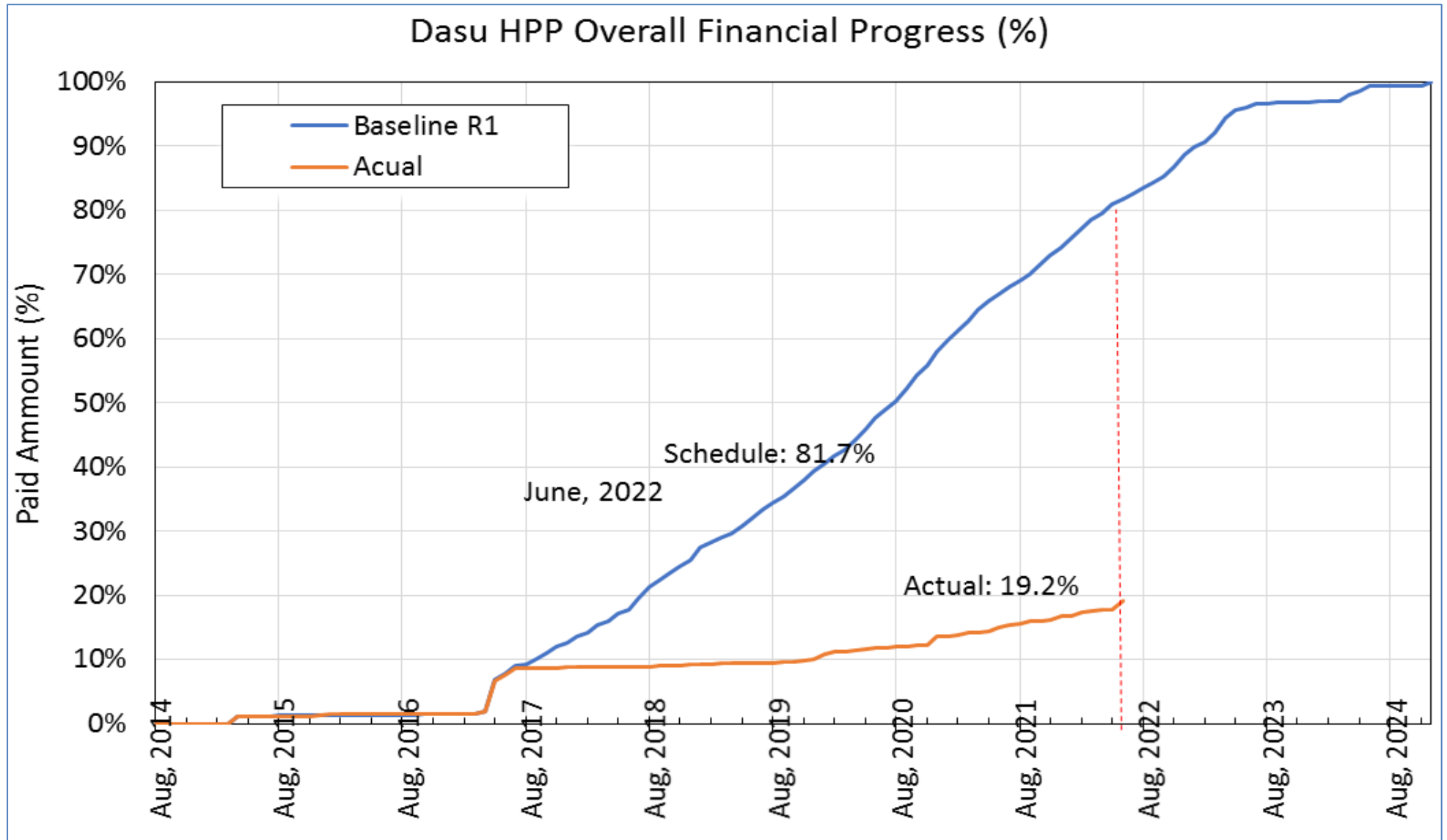


Figure 7: Dasu HPP Overall Progress (Financial Progress)

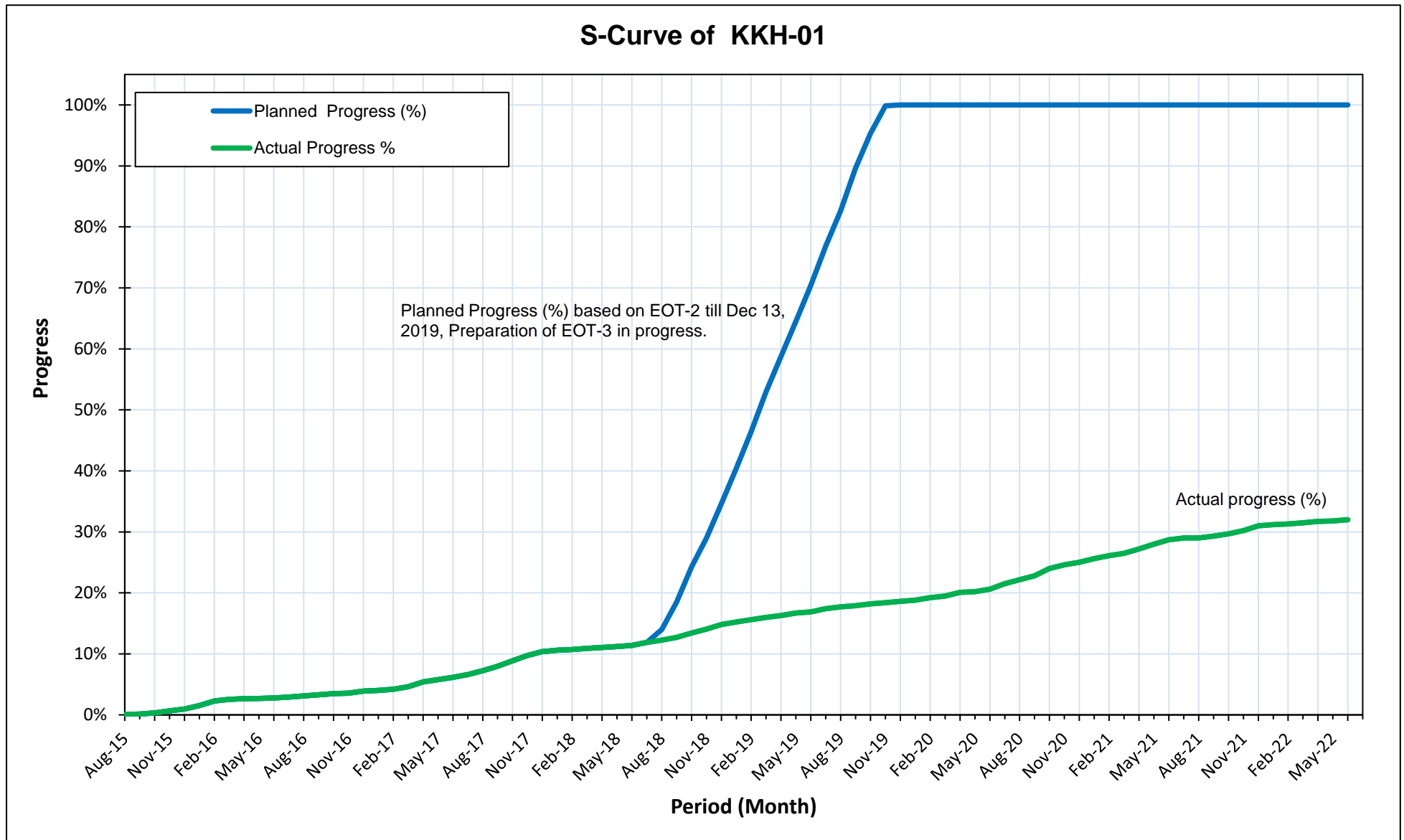


Figure 9: S Curve for Dasu-KKH-01

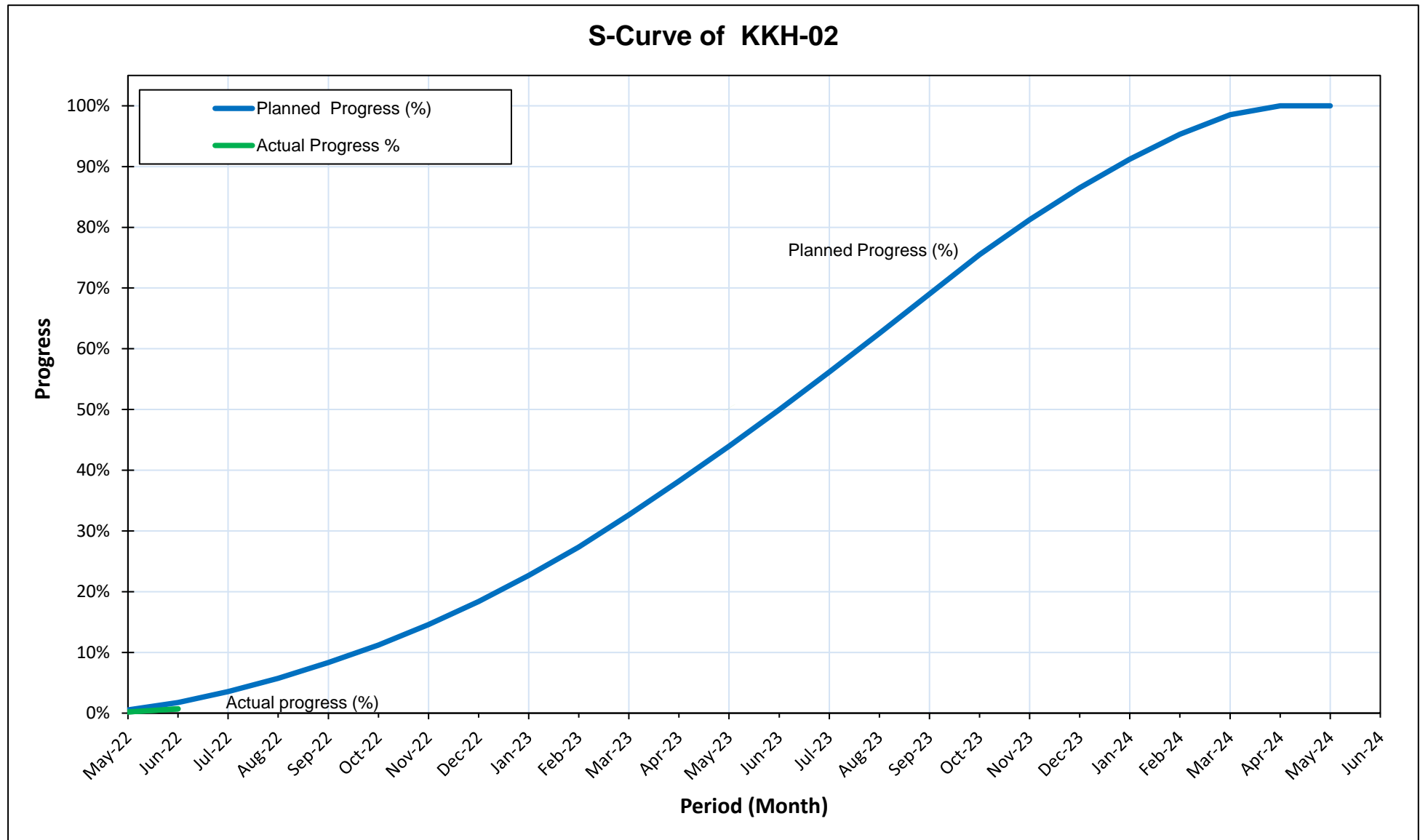


Figure 10: S Curve for Dasu-KKH-02

Figure 11 [1/6]

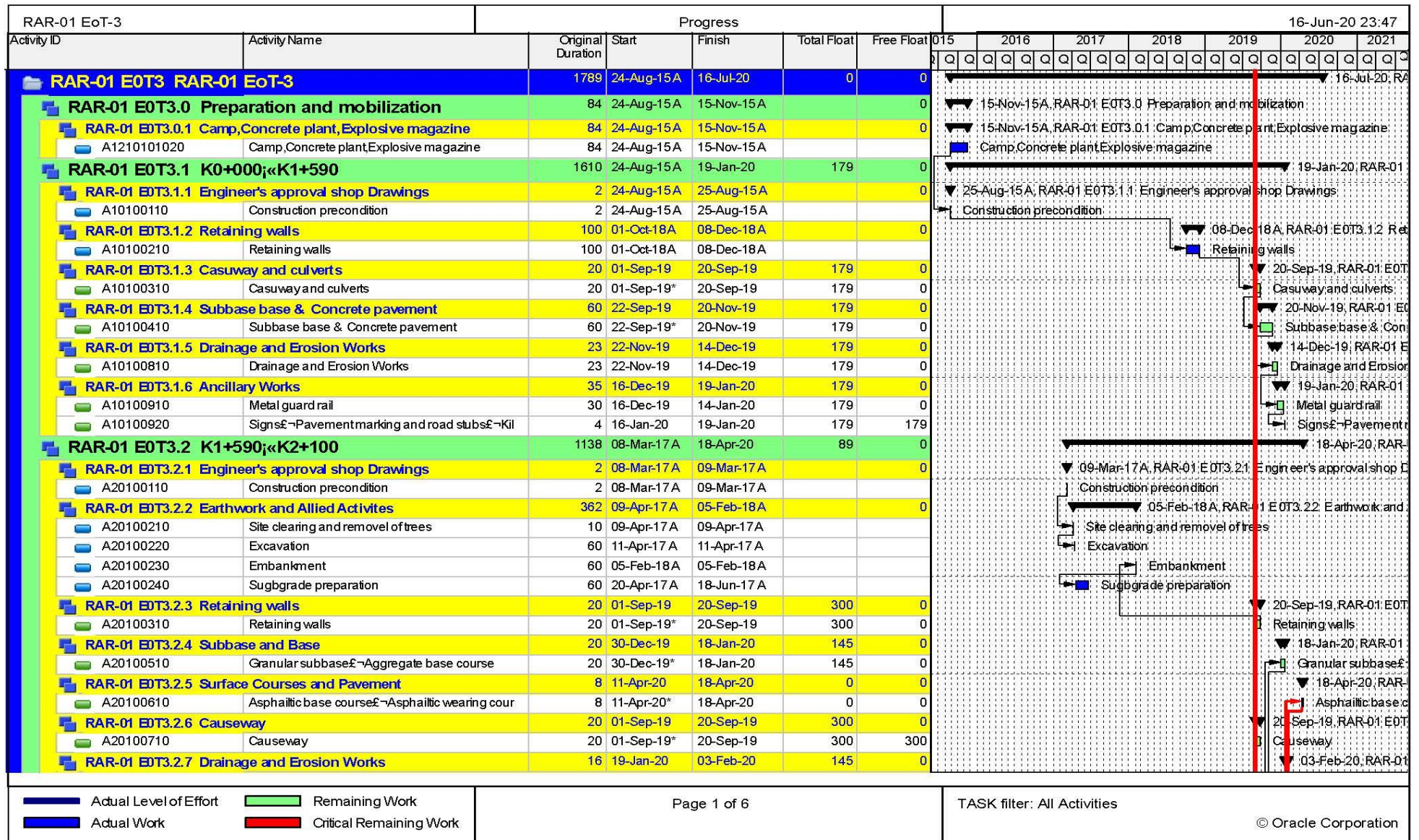
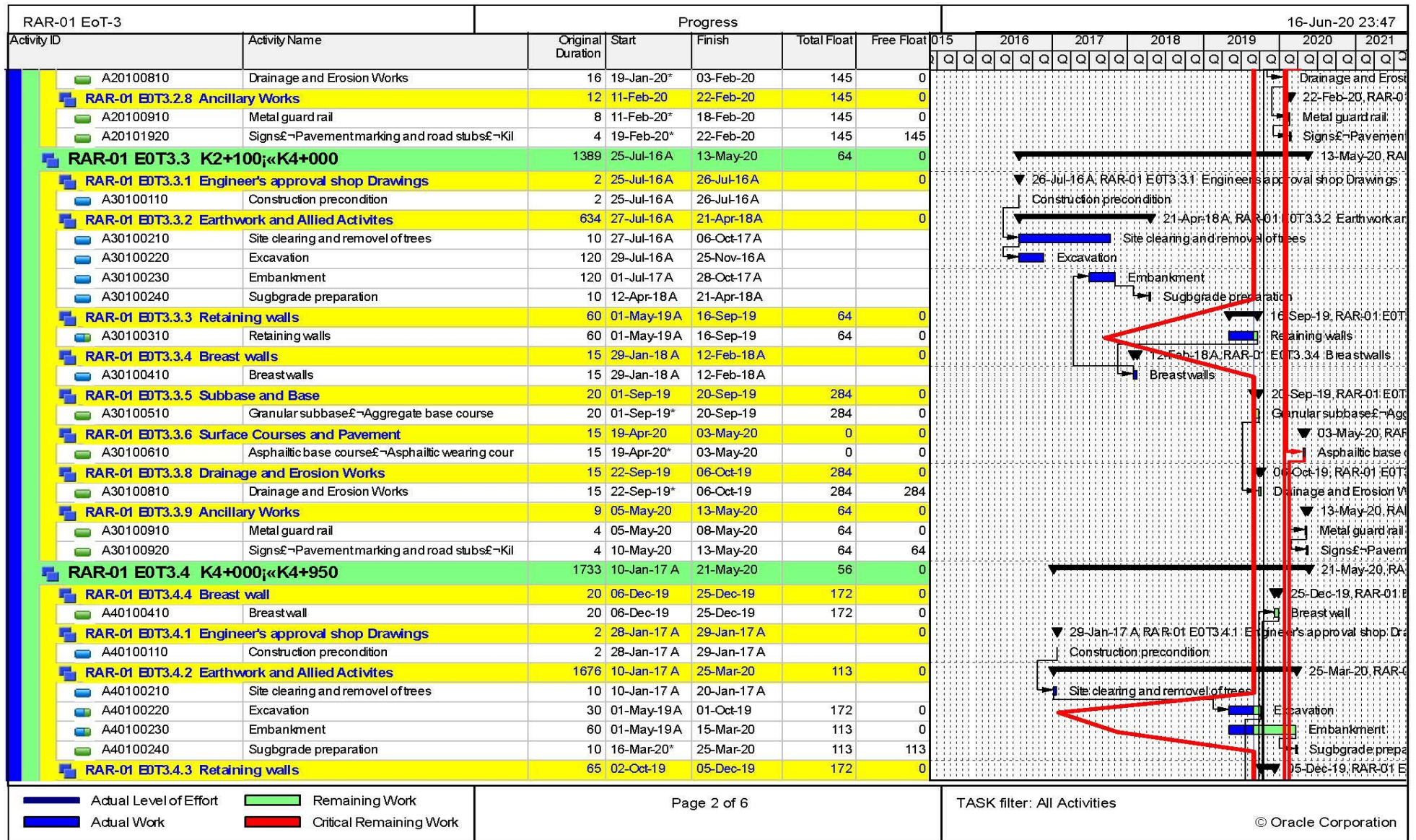


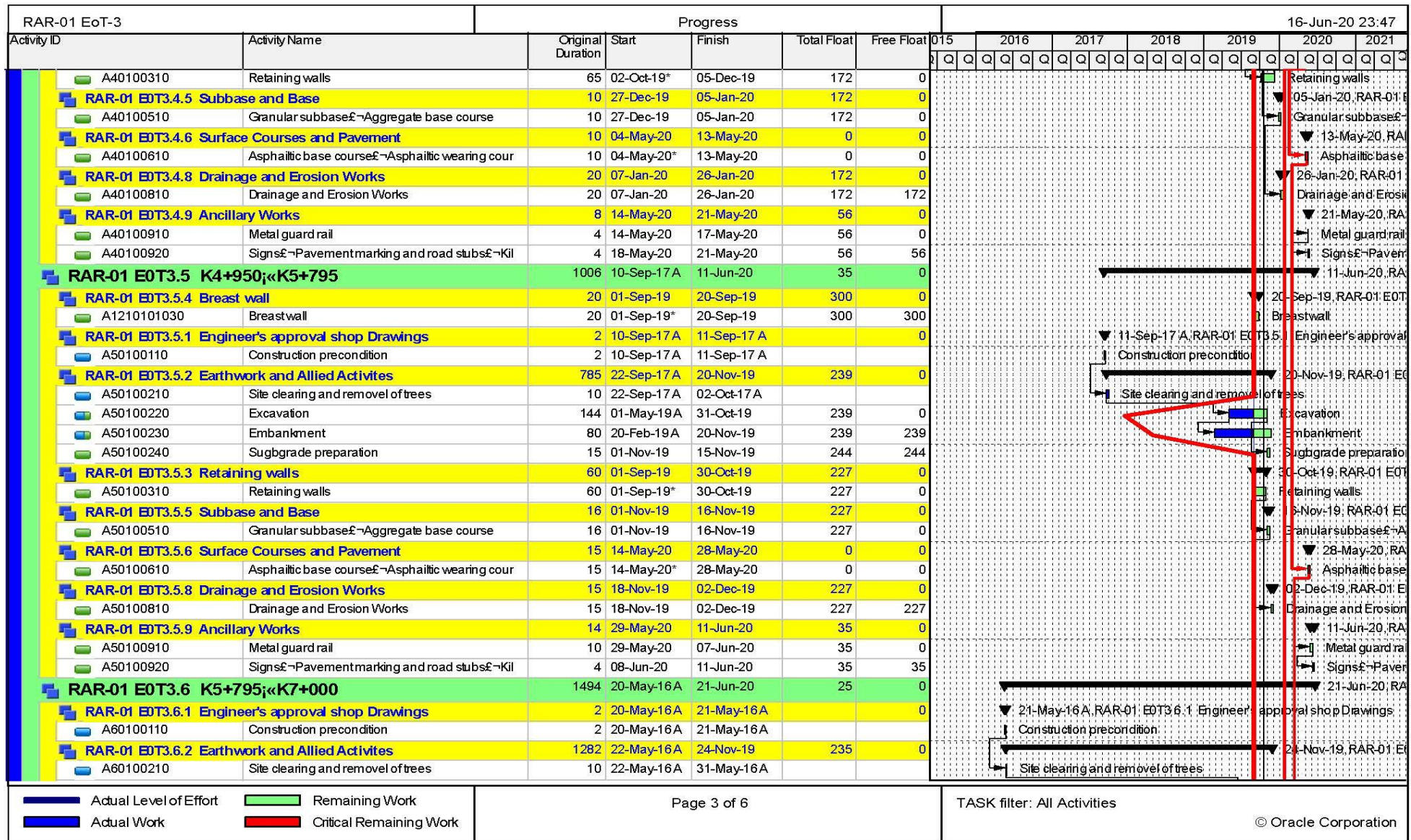
Figure 11: Gantt Chart of Dasu-RAR-01 (1 of 6)

Figure 11 [2/6]



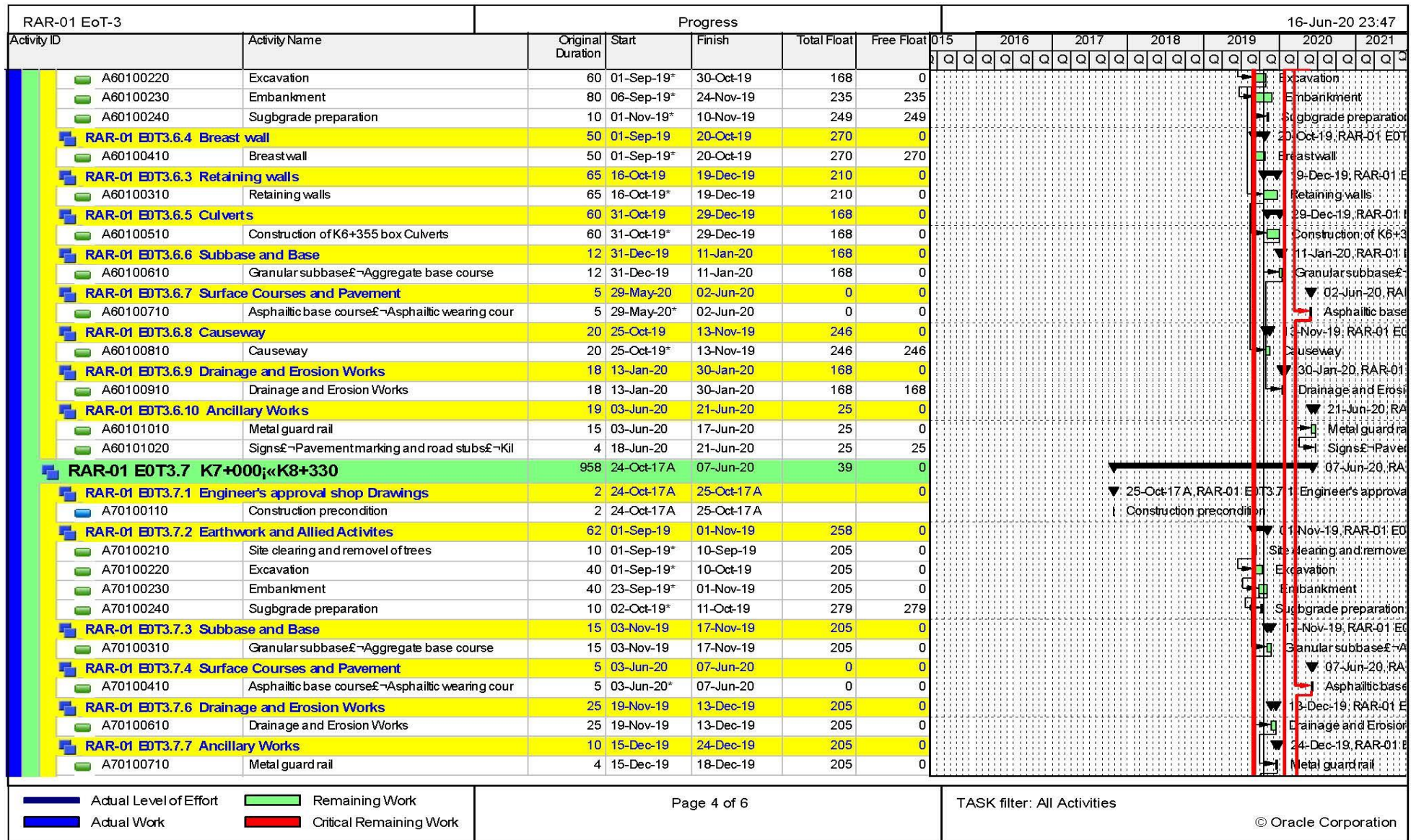
Gantt Chart of Dasu-RAR-01 (2 of 6)

Figure 11 [3/6]



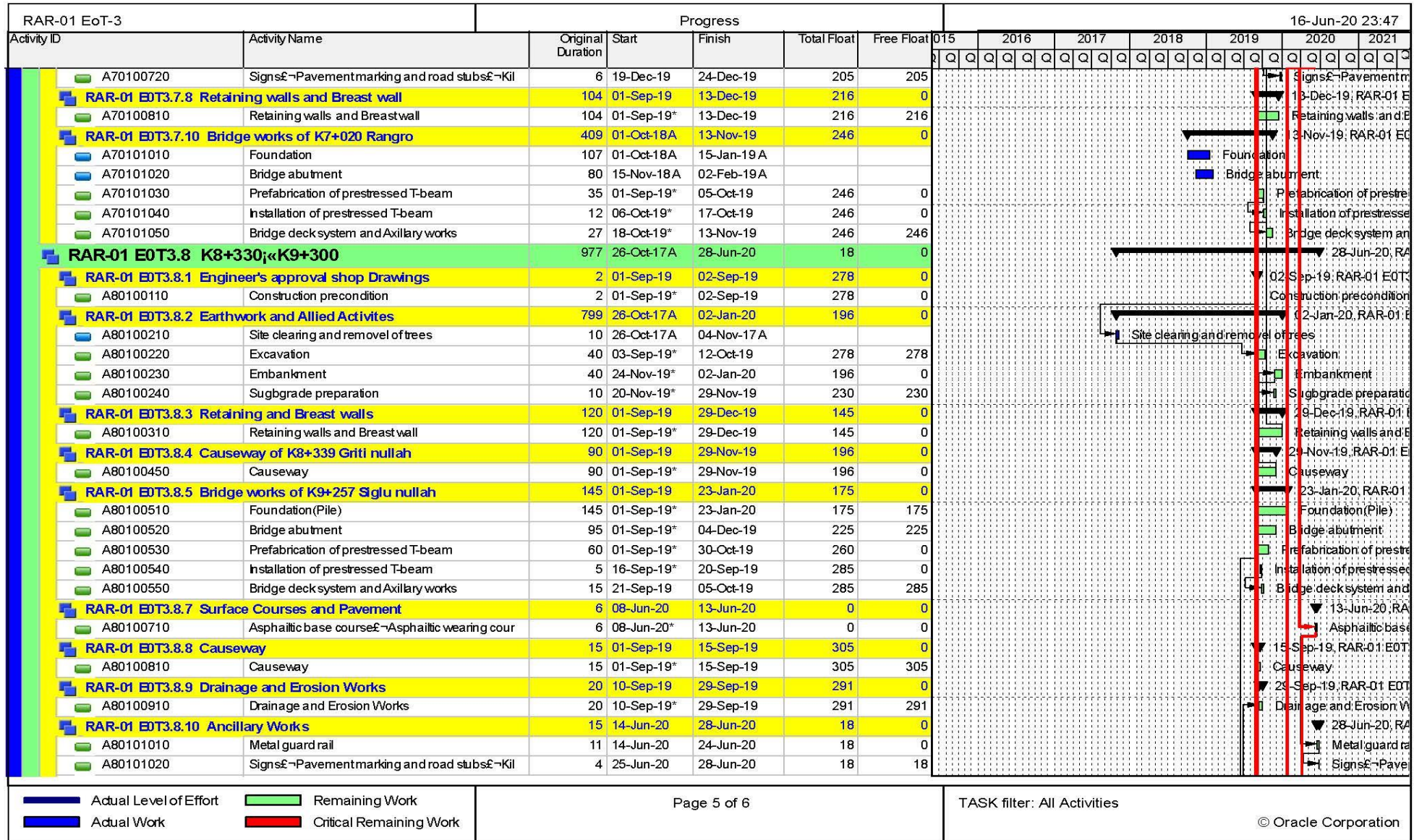
Gantt Chart of Dasu-RAR-01 (3 of 6)

Figure 11 [4/6]



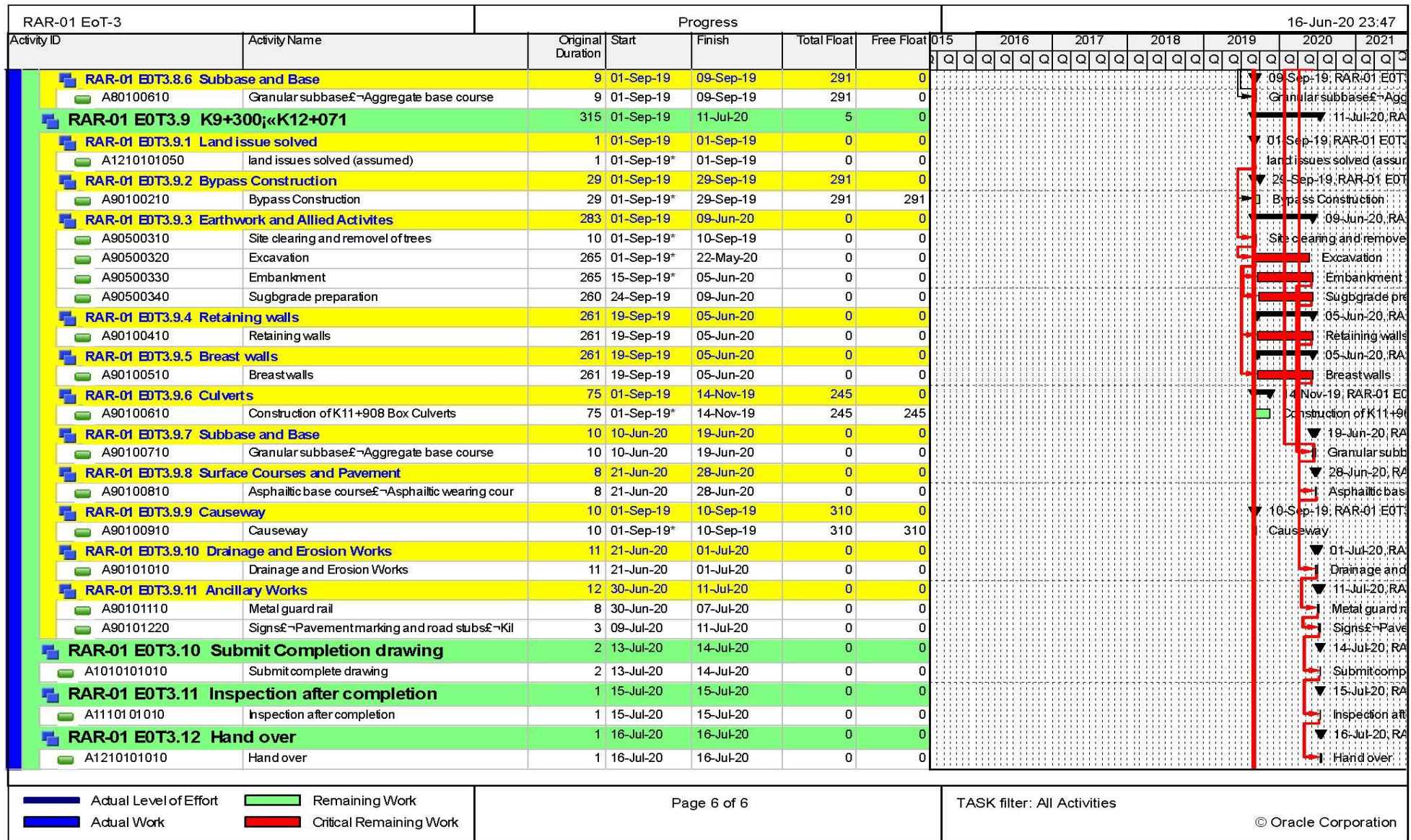
Gantt Chart of Dasu-RAR-01 (4 of 6)

Figure 11 [5/6]



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)

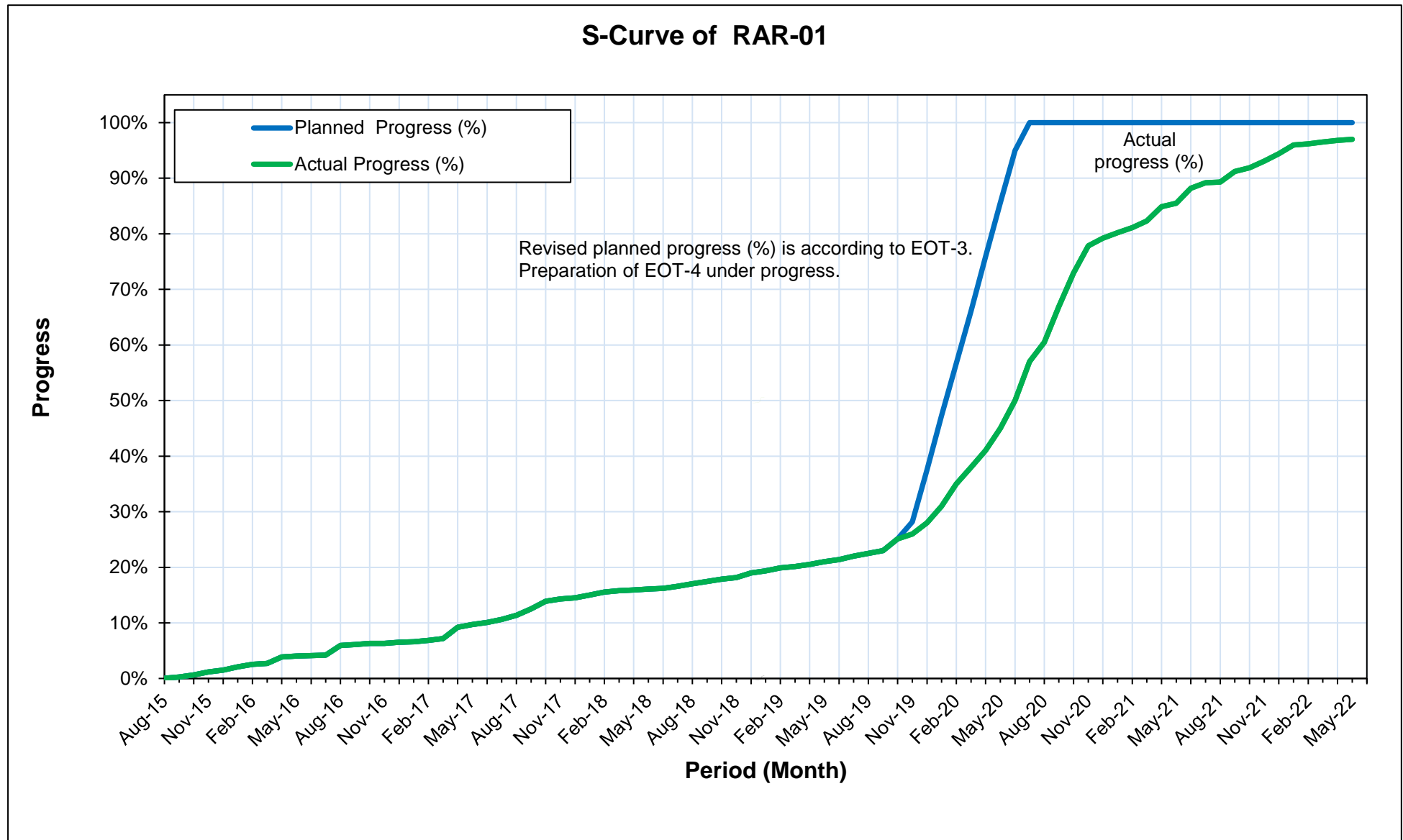


Figure 12: S Curve for Dasu-RAR-01

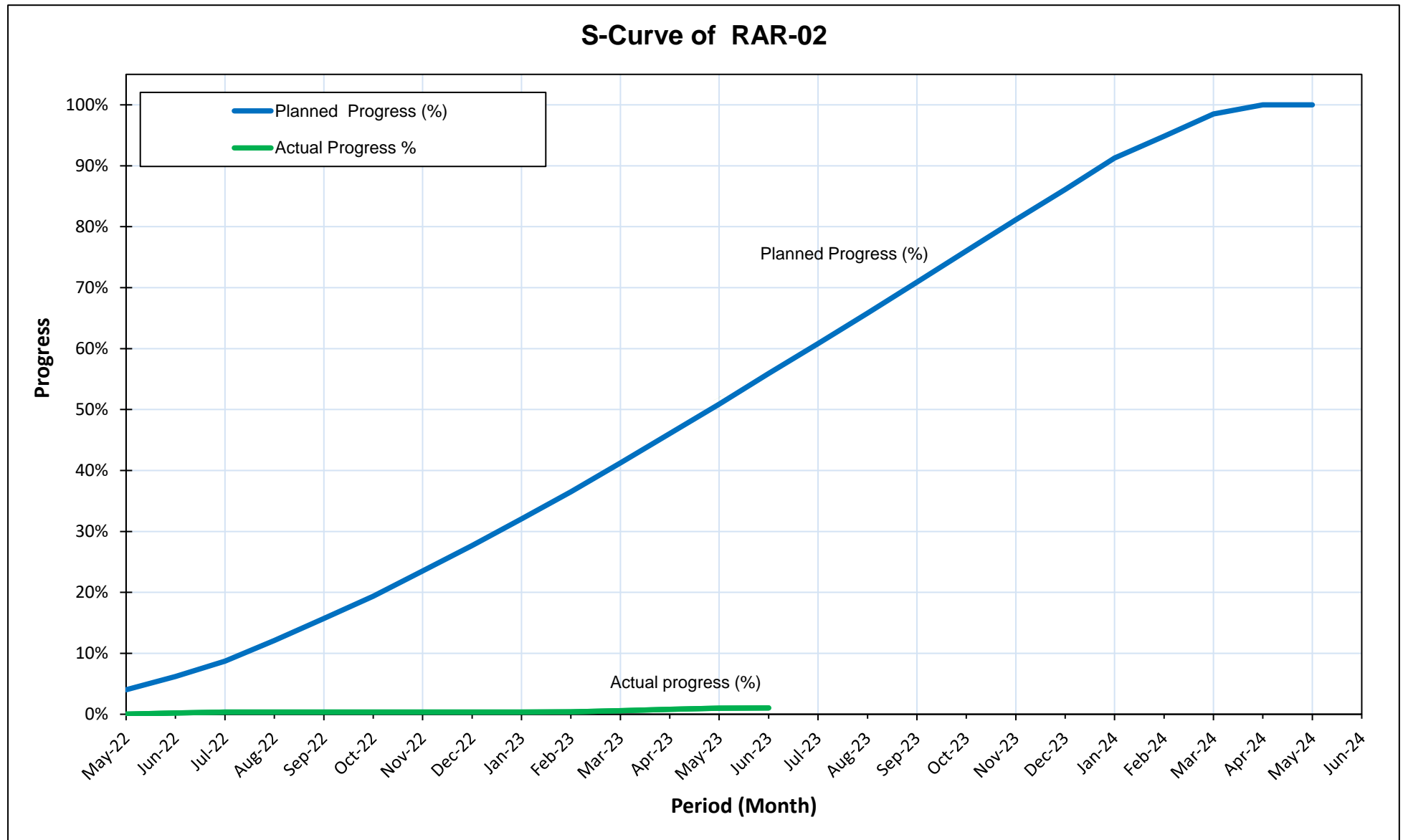


Figure 13: S Curve for Dasu-RAR-02

Figure 14 [1/4]

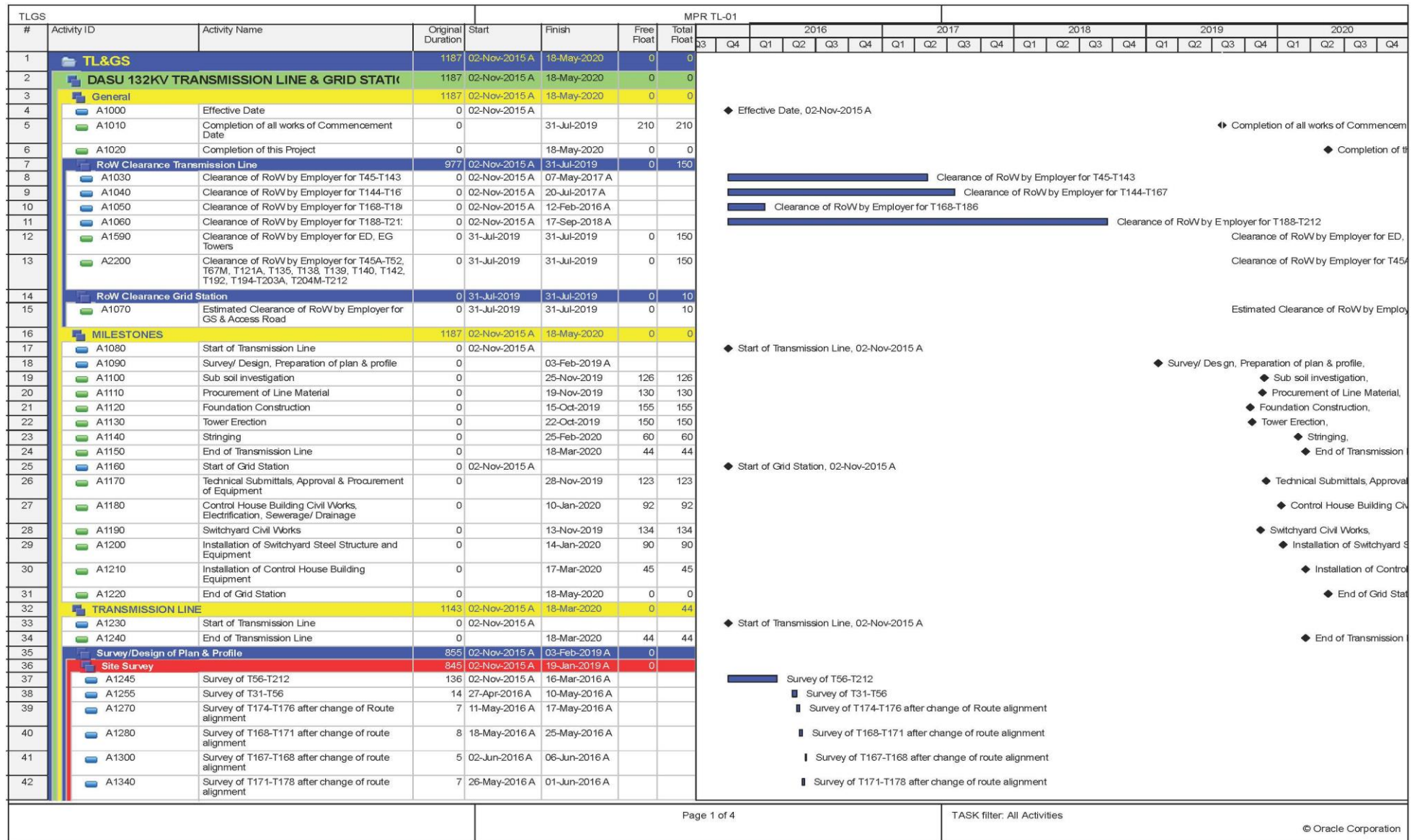


Figure 14: Gantt Chart of Dasu-TL-01 (1 of 4)

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)

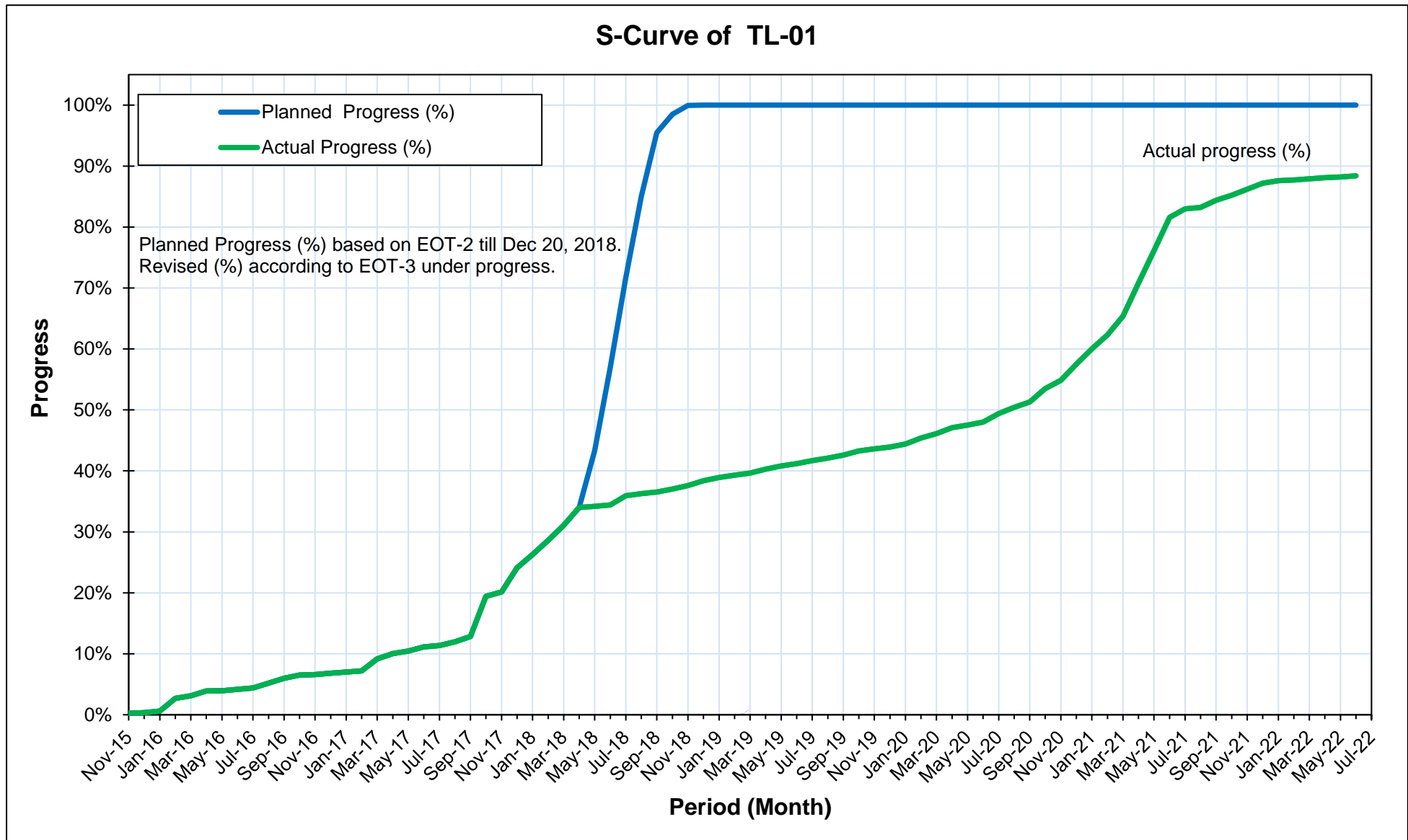


Figure 15: S Curve for Dasu-TL-01

Figure 16 [1/6]

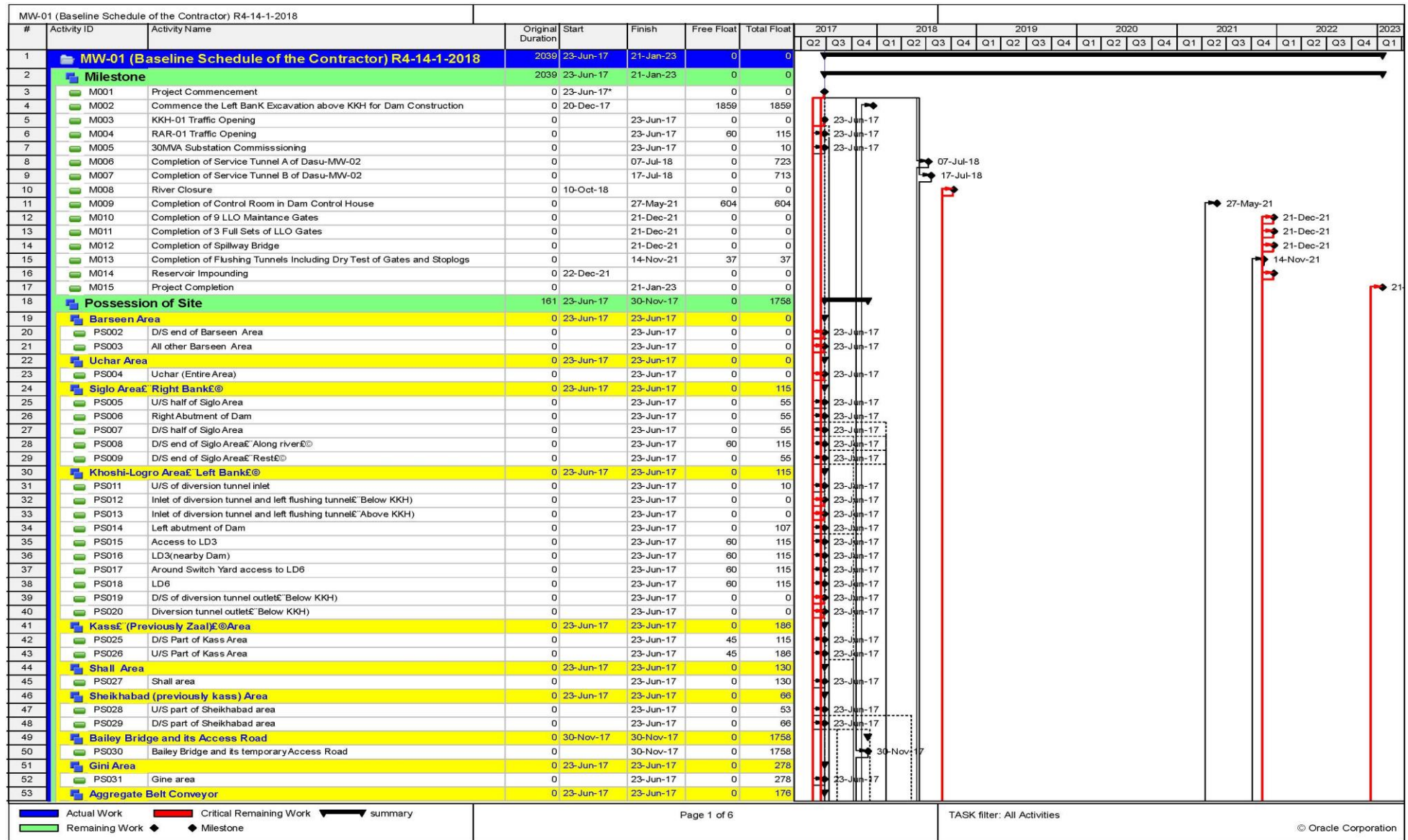
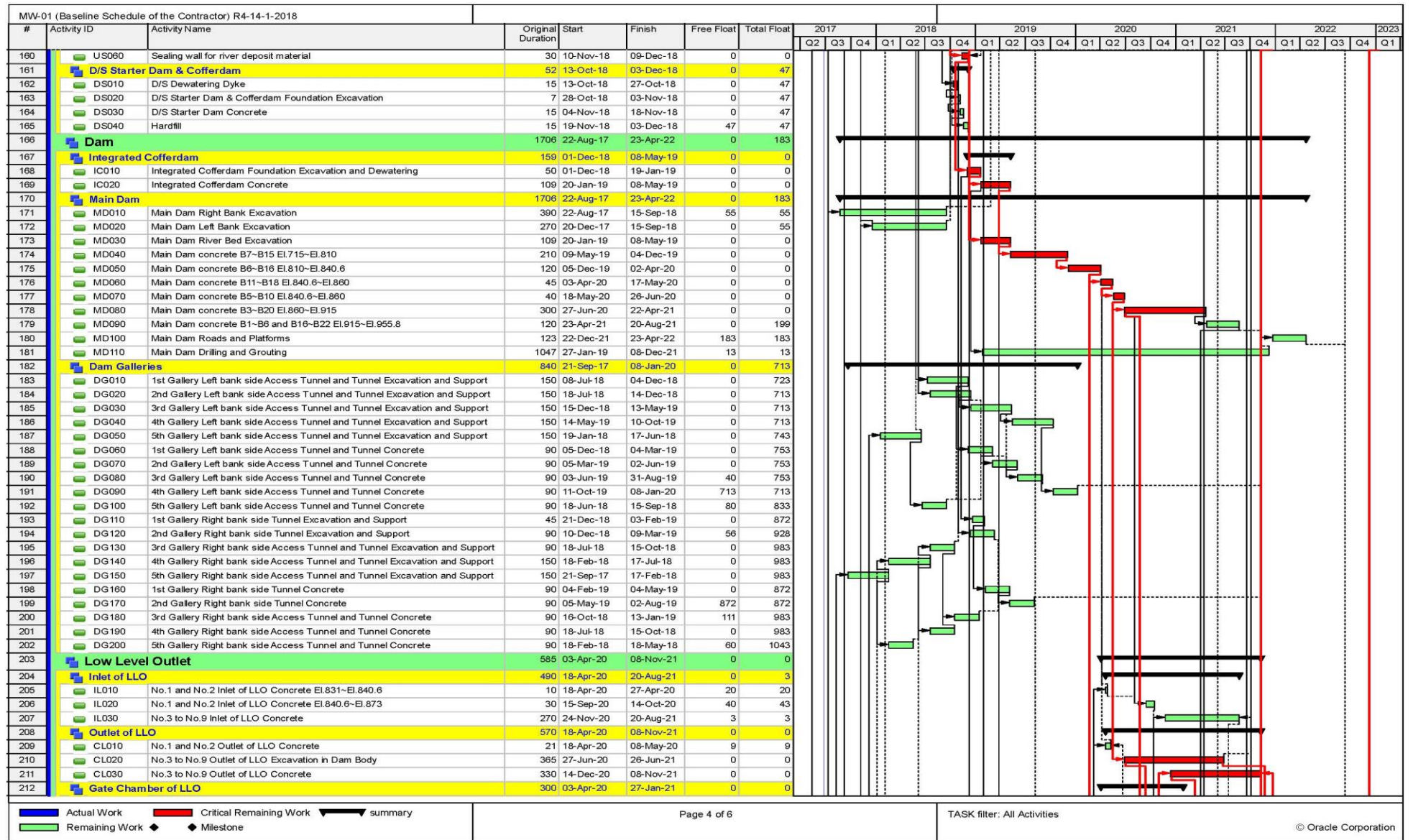


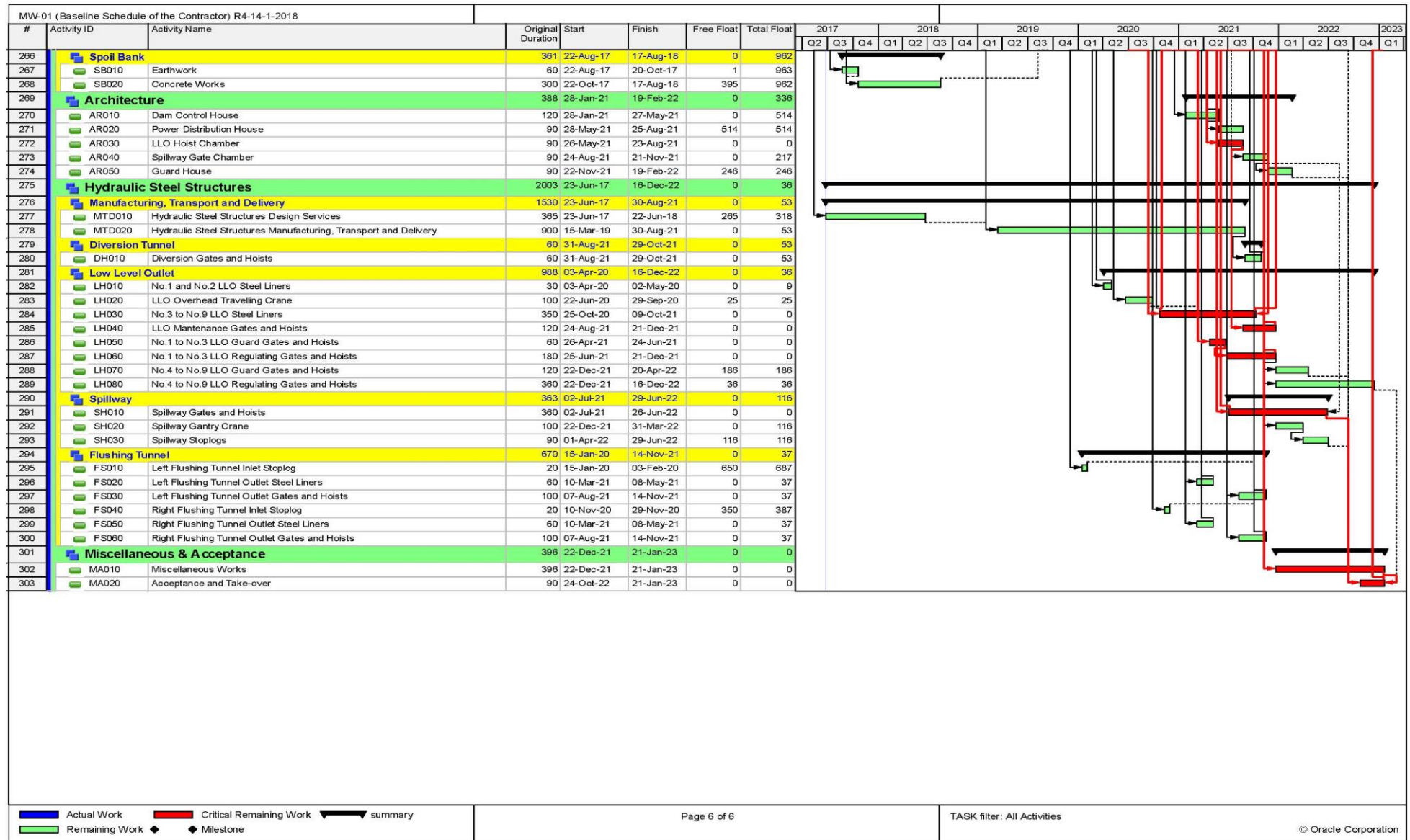
Figure 16: Gantt Chart of Dasu-MW-01 (1 of 6)

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)

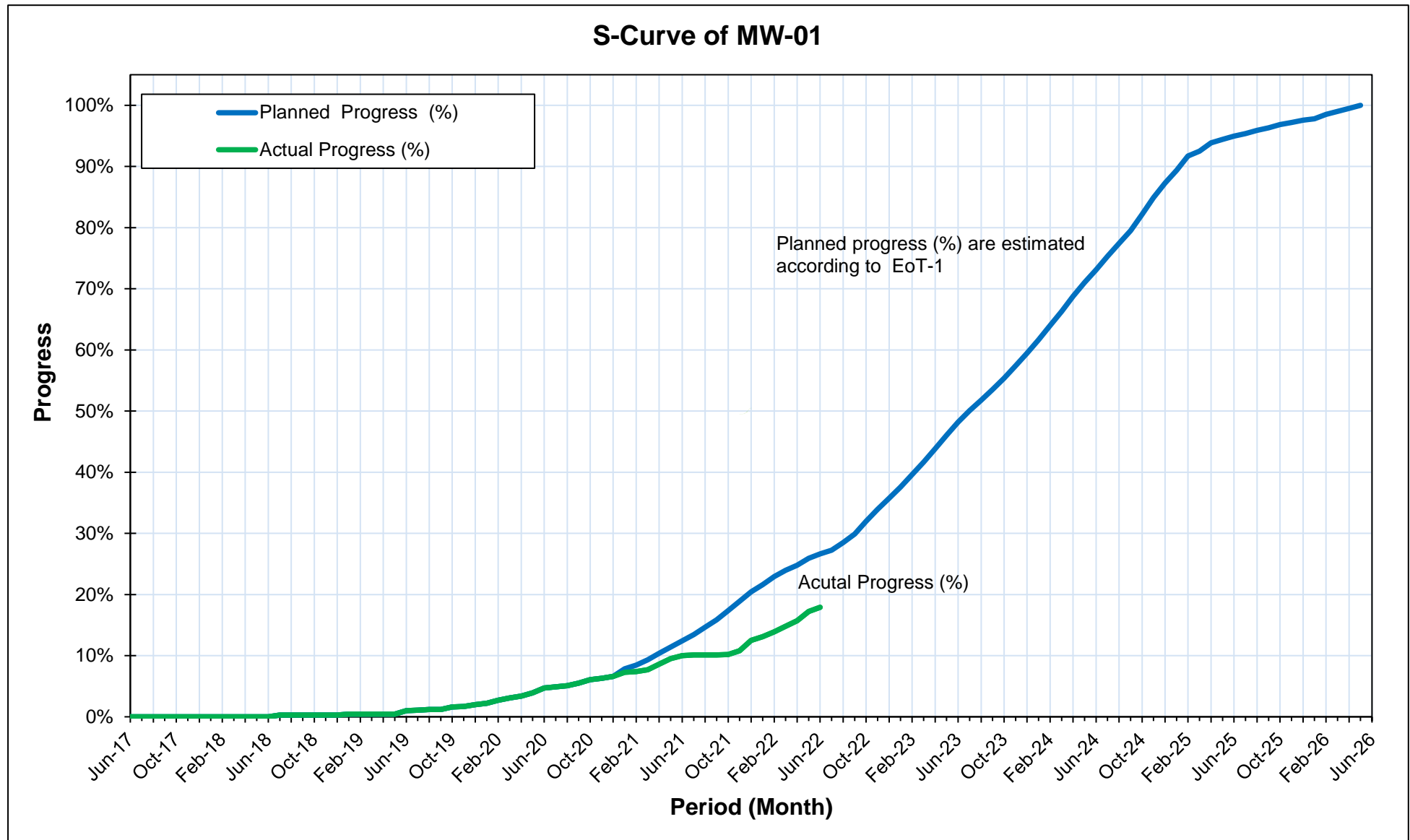


Figure 17: S-Curve for MW-01

Figure 18 [1/8]



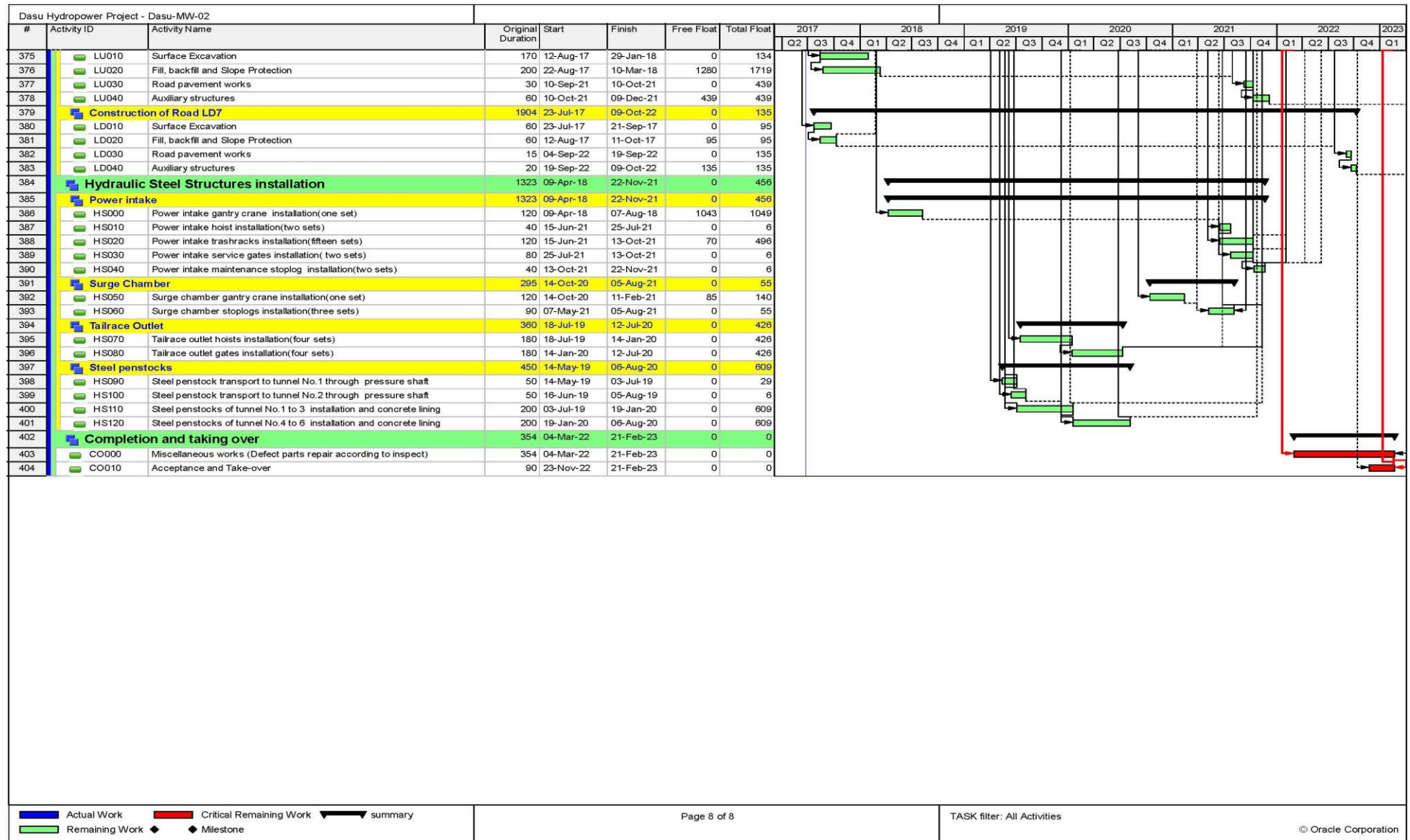
Figure 18: Gantt Chart of Dasu-MW-02 (1 of 8)

Figure 18 [7/8]

Dasu Hydropower Project - Dasu-MW-02																									
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2017		2018		2019		2020		2021		2022		2023					
								Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1		
322	ST000	Surge chamber vault access tunnel excavation and support	170	20-Dec-17	08-Jun-18	0	85																		
323	ST010	Surge chamber top gallery excavation and support	35	08-Jun-18	13-Jul-18	85	85																		
324	ST020	Surge chamber No.1 excavation and support	225	06-Oct-18	19-May-19	0	0																		
325	ST030	Surge chamber No.2 excavation and support	225	05-Nov-18	18-Jun-19	0	0																		
326	ST040	Vent tunnel excavation and support from vault access tunnel	30	08-Jun-18	08-Jul-18	80	115																		
327	ST050	Vent tunnel excavation and support from switchyard	150	26-Sep-18	23-Feb-19	0	35																		
328	ST060	Vent tunnel shaft excavation	80	23-Feb-19	14-May-19	35	35																		
329	ST070	Draft tunnel No. 1 to 3 excavation and support	90	24-May-18	22-Aug-18	0	15																		
330	ST080	Draft tunnel No. 4 to 6 excavation and support	90	08-Jul-18	06-Oct-18	0	0																		
331	Concrete works		560	07-Feb-20	20-Aug-21	0	196																		
332	ST090	Draft tunnel No. 1 to 3 concrete lining	250	07-Feb-20	14-Oct-20	0	55																		
333	ST 100	Surge chamber No.2 concrete lining	250	07-Feb-20	14-Oct-20	0	55																		
334	ST 110	Surge chamber No.1 concrete lining	250	14-Oct-20	21-Jun-21	0	55																		
335	ST 120	Draft tunnel No.4 to 6 concrete lining	250	14-Oct-20	21-Jun-21	0	250																		
336	ST 130	Vent tunnel concrete lining	60	21-Jun-21	20-Aug-21	196	196																		
337	Architectural,utility and electrical works		475	14-Nov-20	04-Mar-22	0	0																		
338	AW000	Powerhouse Cavern architectural,utility and electrical works	400	28-Jan-21	04-Mar-22	0	0																		
339	AW010	Transformer/GIS Cavern & GIL Shaft architectural,utility and electrical wor	365	14-Nov-20	14-Nov-21	0	110																		
340	AW020	Guard House at Access Tunnel Portal architectural,utility and electrical wr	300	14-Nov-20	10-Sep-21	0	175																		
341	Tailrace tunnel and outlet		1534	23-Jul-17	04-Oct-21	0	55																		
342	Tailrace tunnel outlet		1534	23-Jul-17	04-Oct-21	0	55																		
343	TO010	Construction preparation	30	23-Jul-17	22-Aug-17	0	84																		
344	TO020	Tailrace tunnel outlet excavation and support	210	22-Aug-17	20-Mar-18	120	419																		
345	TO030	Tailrace tunnel outlet structure concrete	210	18-Jul-18	13-Feb-19	0	299																		
346	TO040	Tailrace tunnel outlet rock barrier demantling	60	05-Aug-21	04-Oct-21	0	55																		
347	Tailrace tunnel		1485	12-Aug-17	05-Sep-21	0	84																		
348	TO050	Connect tunnel No.2 (adit for tailrace tunnel) excavation and support	135	12-Aug-17	25-Dec-17	0	84																		
349	TO060	Underground exc. and support of tailrace tunnel No.1 from CT2 toward tw	570	25-Dec-17	18-Jul-19	0	144																		
350	TO070	Underground exc. and support of tailrace tunnel No.2 from CT2 toward tw	600	25-Dec-17	17-Aug-19	0	84																		
351	TO072	Underground exc. and support of tailrace tunnel No.1 from CT1 toward do	330	24-May-18	19-Apr-19	90	234																		
352	TO074	Underground exc. and support of tailrace tunnel No.2 from CT1 toward do	315	08-Jul-18	19-May-19	90	174																		
353	TO080	Tailrace tunnel No.1 concrete lining	600	18-Jul-19	09-Mar-21	60	144																		
354	TO090	Tailrace tunnel No.2 concrete lining	630	17-Aug-19	08-May-21	0	84																		
355	TO100	Connect tunnel No.2 plug concrete between tailrace tunnel No.1 and No.2	60	08-May-21	07-Jul-21	0	84																		
356	TO110	Connect tunnel No.2 plug concrete from tailrace tunnel No.2 to portal	60	07-Jul-21	05-Sep-21	78	84																		
357	Switchyard Compound		1989	23-Jul-17	02-Jan-23	0	50																		
358	Whole Compound Area including Buildings		1989	23-Jul-17	02-Jan-23	0	50																		
359	SC000	Construction preparation	20	23-Jul-17	12-Aug-17	10	45																		
360	SC010	Surface excavation and support	400	23-Aug-17	26-Sep-18	0	35																		
361	SC020	Fill, Backfill & Slope Protection	240	26-Sep-18	24-May-19	150	200																		
362	SC030	Roads,fencing,ditch and landscaping	79	15-Oct-22	02-Jan-23	50	50																		
363	765kV Take-off Switchyard		390	26-Sep-18	21-Oct-19	0	50																		
364	SC040	Surface Excavation and support	90	26-Sep-18	25-Dec-18	0	50																		
365	SC050	Concrete work of GIL culvert, cable culverts	200	25-Dec-18	13-Jul-19	0	50																		
366	SC060	Fill and Backfill	100	13-Jul-19	21-Oct-19	0	50																		
367	Architectural Works,utility works and electrical works		1090	21-Oct-19	15-Oct-22	0	50																		
368	SC070	Main Control Building and Annex Building	640	21-Oct-19	22-Jul-21	0	50																		
369	SC080	Service Building	150	22-Jul-21	19-Dec-21	0	50																		
370	SC090	Guard House	120	19-Dec-21	18-Apr-22	0	50																		
371	SC100	Air Intake Building	150	30-Oct-21	29-Mar-22	20	70																		
372	SC110	Water Tank and others	180	18-Apr-22	15-Oct-22	0	50																		
373	Road works		1904	23-Jul-17	09-Oct-22	0	135																		
374	Construction of Road LU1		1580	12-Aug-17	09-Dec-21	0	439																		

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

Figure 18 [8/8]



█ Actual Work
 █ Critical Remaining Work
 summary
█ Remaining Work
 ◆ Milestone

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

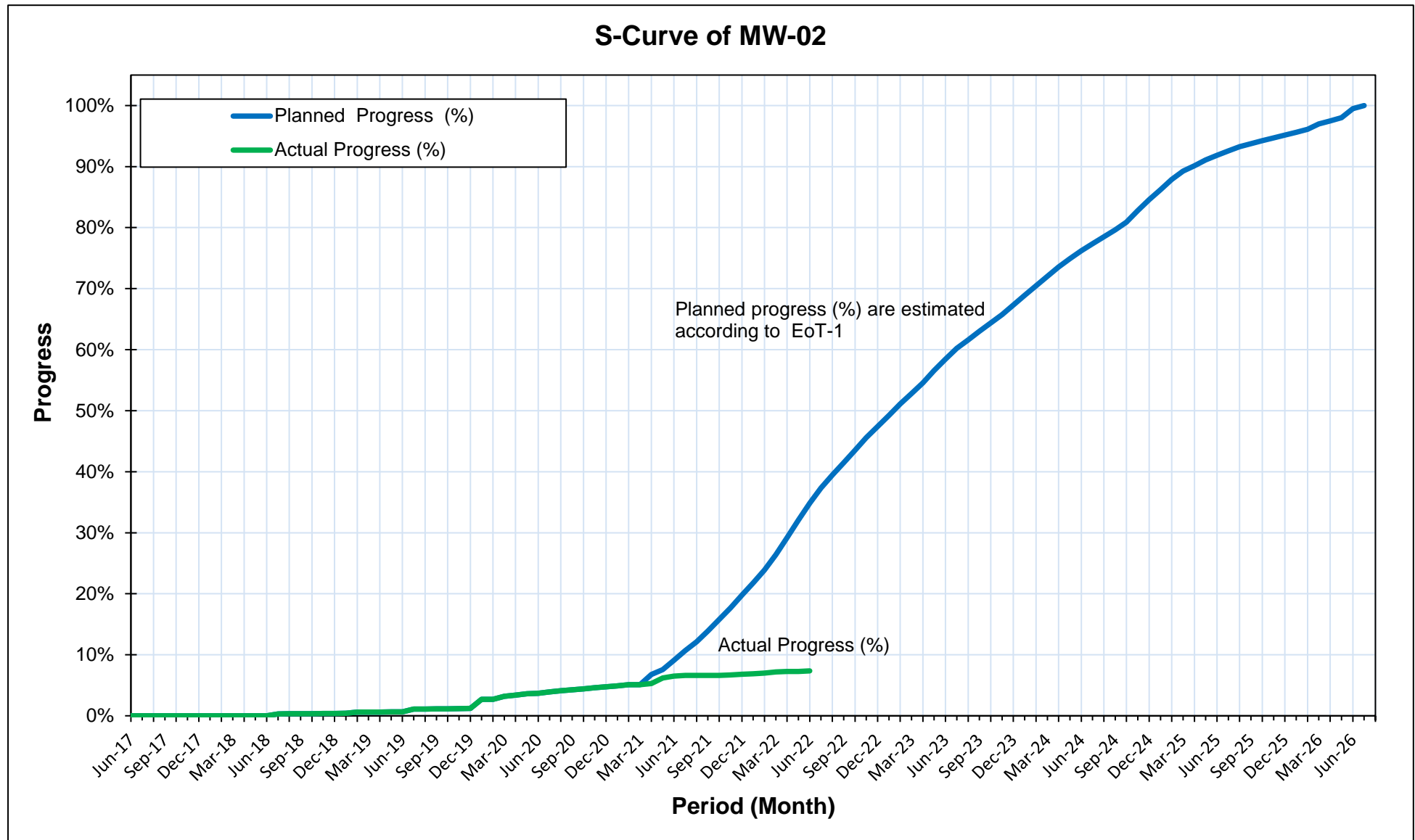


Figure 19: S-Curve for MW-02

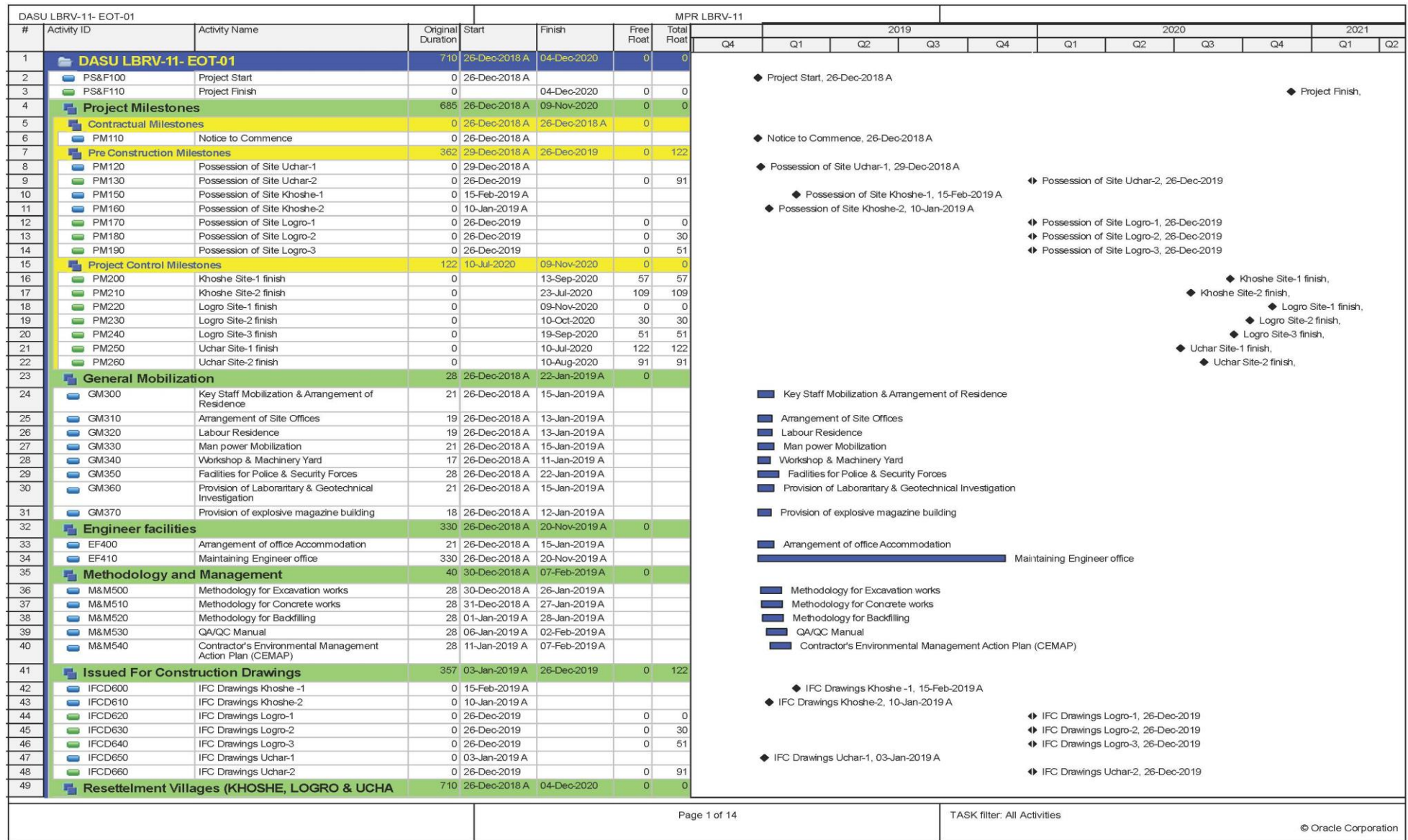


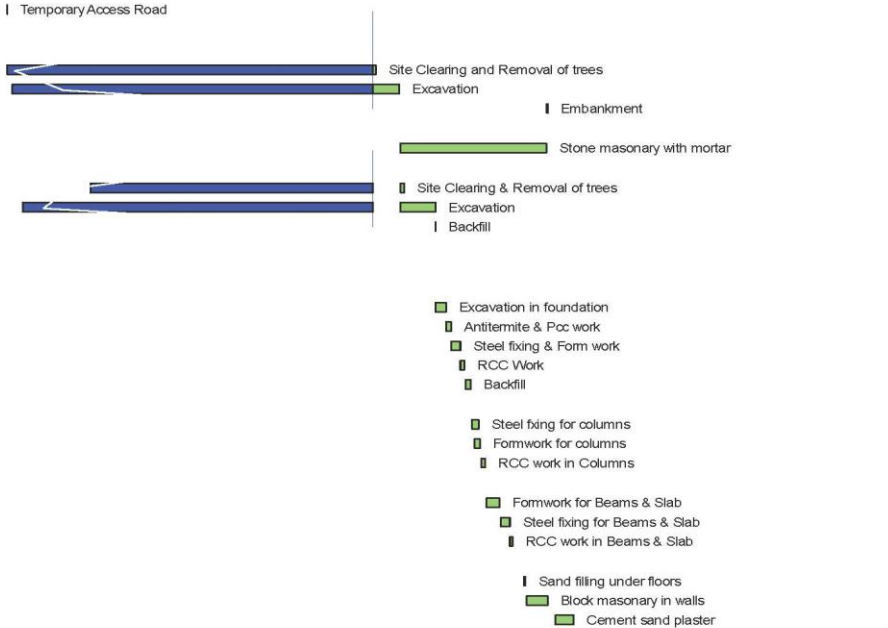
Figure 20: Gantt Chart of Dasu-LBRV-11 (1 of 14)

DASU LBRV-11- EOT-01		MPR LBRV-11						2019								2020				2021	
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
50	KHOSHE		613	10-Jan-2019 A	13-Sep-2020	0	82														
51	KHOSHE-01		577	15-Feb-2019 A	13-Sep-2020	0	82														
52	A1000	Temporary Access Road	10	15-Feb-2019 A	24-Feb-2019 A																
53		Permanent Access Road	475	25-Feb-2019 A	13-Jun-2020	0	129														
54		Earth and Allied Works	475	25-Feb-2019 A	13-Jun-2020	0	129														
55	KH.1.PAR.100	Site Clearing and Removal of trees	10	25-Feb-2019 A	30-Dec-2019	0	57														
56	KH.1.PAR.110	Excavation (Km0+000-Km0+800)	60	07-Mar-2019 A	09-Jan-2020	0	57														
57	KH.1.PAR.120	Excavation (Km0+800-Km2+505)	100	10-Jan-2020	18-Apr-2020	0	95														
58	KH.1.PAR.130	Embankment	6	08-Jun-2020	13-Jun-2020	0	129														
59		Stone masonry Retaining wall/Breast wall	120	09-Feb-2020	07-Jun-2020	0	129														
60	KH.1.RW/BW100	Stone masonry with mortar	120	09-Feb-2020	07-Jun-2020	0	129														
61		Land Development	146	10-Jan-2020	03-Jun-2020	0	95														
62	KH.1.LD100	Site Clearing & Removal of trees	10	10-Jan-2020	19-Jan-2020	0	57														
63	KH.1.LD110	Excavation Plot Area (Km0+800-Km2+100)	90	20-Jan-2020	18-Apr-2020	0	57														
64	KH.1.LD120	Excavation Plot Area (Km2+100-Km2+505)	45	19-Apr-2020	02-Jun-2020	0	95														
65	KH.1.LD130	Backfill	1	03-Jun-2020	03-Jun-2020	0	95														
66		Construction of Mosque	148	19-Apr-2020	13-Sep-2020	0	82														
67		Structural work	77	19-Apr-2020	04-Jul-2020	0	57														
68		Foundation	33	19-Apr-2020	21-May-2020	0	57														
69	KH.1.M.STR100	Excavation in foundation	10	19-Apr-2020	28-Apr-2020	0	57														
70	KH.1.M.STR110	Antitermite & Pcc work	5	29-Apr-2020	03-May-2020	0	57														
71	KH.1.M.STR120	Steel fixing & Form work	9	04-May-2020	12-May-2020	0	57														
72	KH.1.M.STR130	RCC Work in foundation	3	13-May-2020	15-May-2020	0	57														
73	KH.1.M.STR140	Backfill	6	16-May-2020	21-May-2020	0	57														
74		GF Vertical Elements	17	22-May-2020	07-Jun-2020	0	57														
75	KH.1.M.STR180	Steel fixing for columns	8	22-May-2020	29-May-2020	0	57														
76	KH.1.M.STR190	Formwork for columns	6	30-May-2020	04-Jun-2020	0	57														
77	KH.1.M.STR200	RCC work in Columns	3	05-Jun-2020	07-Jun-2020	0	57														
78		GF Horizontal Elements	27	08-Jun-2020	04-Jul-2020	0	57														
79	KH.1.M.STR150	Formwork for Beams & Slab	14	08-Jun-2020	21-Jun-2020	0	57														
80	KH.1.M.STR160	Steel fixing for Beams & Slab	10	22-Jun-2020	01-Jul-2020	0	57														
81	KH.1.M.STR170	RCC work in Beams & Slab	3	02-Jul-2020	04-Jul-2020	0	57														
82		Architectural/Finishes work	63	13-Jul-2020	13-Sep-2020	0	82														
83	KH.1.M.A/F100	Sand filling under floors	3	13-Jul-2020	15-Jul-2020	0	57														
84	KH.1.M.A/F110	Solid Block masonry in walls	21	16-Jul-2020	05-Aug-2020	0	57														
85	KH.1.M.A/F120	Cement sand plaster	18	15-Aug-2020	01-Sep-2020	0	57														
86	KH.1.M.A/F130	Rough flooring	5	06-Aug-2020	10-Aug-2020	116	116														
87	KH.1.M.A/F140	Paints work	12	02-Sep-2020	13-Sep-2020	0	82														
88	KH.1.M.A/F150	Wooden doors & Aluminium works	9	05-Sep-2020	13-Sep-2020	82	82														
89	KH.1.M.A/F160	Tiles work on floors & walls	10	04-Sep-2020	13-Sep-2020	82	82														
90	KH.1.M.A/F170	Roof treatment & drainage	5	02-Sep-2020	06-Sep-2020	89	89														
91	KH.1.M.A/F180	Khuprail tiles on roof	7	02-Sep-2020	08-Sep-2020	87	87														
92	KH.1.M.A/F190	Courtyard Gate	1	06-Aug-2020	06-Aug-2020	120	120														
93		Public Health work	26	06-Aug-2020	31-Aug-2020	0	95														
94	KH.1.M.PH100	Installation of WSupply fixtures & fitouts	14	06-Aug-2020	19-Aug-2020	0	95														
95	KH.1.M.PH110	Installation of P Health Utilities & drainage	11	20-Aug-2020	30-Aug-2020	0	95														
96	KH.1.M.PH120	RCC sewer pipe & manhole	5	26-Aug-2020	30-Aug-2020	0	95														
97	KH.1.M.PH130	PHealth & WSupply testing	1	31-Aug-2020	31-Aug-2020	95	95														
98		Internal Electrification	39	06-Aug-2020	13-Sep-2020	0	57														
99	KH.1.M.EL100	Electrical Conduit & Back boxes fixing	9	06-Aug-2020	14-Aug-2020	0	57														
100	KH.1.M.EL110	Cable pulling & Connections	6	02-Sep-2020	07-Sep-2020	0	57														
101	KH.1.M.EL120	Distribution Boards & Fitouts	5	08-Sep-2020	12-Sep-2020	0	57														
102	KH.1.M.EL130	Installation of Electrical Utilities	5	08-Sep-2020	12-Sep-2020	0	57														

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

Figure 20 [3/14]

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



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

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

Legend:

- █ Laying & Jointing WSupply Pipeline
- █ Air vent chambers & Valves
- █ Construction of Sedimentation tank
- █ Construction of Clear water tank
- █ Check Valves,Sluice Valves & Chambers
- █ WSupply Road & Nullah crossing
- █ Ancillary work
- █ Water supply testing
- █ Excavation for sewerage pipe line
- █ Lowering & Laying RCC pipe
- █ Trenches filling with crushed stones & compacted earth
- █ Construction of sewerage treatment area
- █ Construction of septic tank
- █ Construction of manholes
- █ Miscellaneous work
- █ Temporary Access Road
- █ Site Clearing and Removal of trees
- █ Excavation Link-1
- █ Excavation Link-2
- █ Excavation Link-3
- █ Embankment
- █ Stone masonry with mortar
- █ Site Clearing & Removal of trees
- █ Excavation (Link-1 Plot Area)
- █ Excavation (Link-2 Plot Area)

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

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

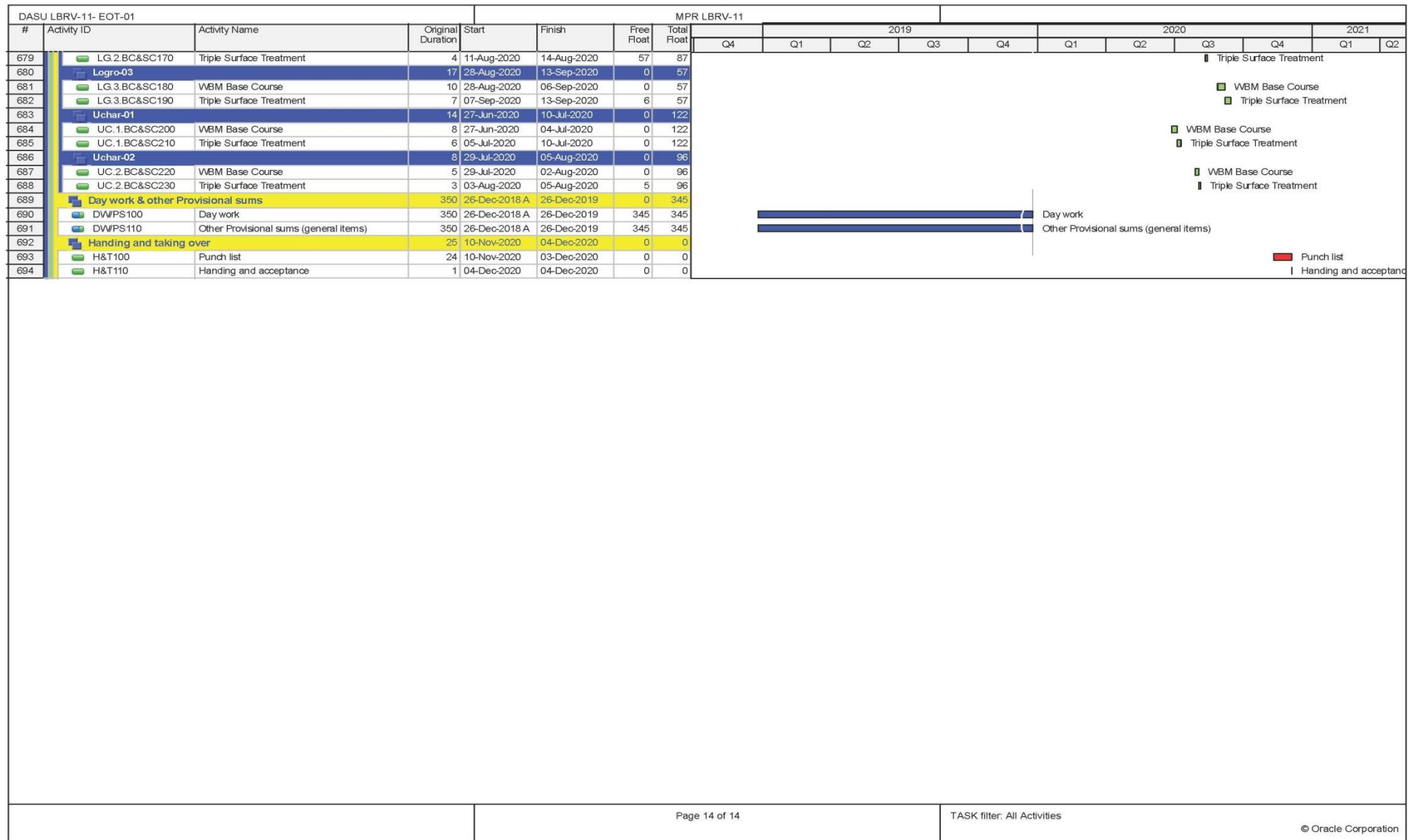
Figure 20 [13/14]

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	Q2		
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-Jul-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													

- █ Sand filling under floors
- █ Solid Block masonry in walls
- █ Cement sand plaster
- █ Paints work
- █ Wooden doors & Aluminium works
- █ Tileswork on floors & walls
- █ Roof treatment & drainage
- █ Rough flooring
- █ Courtyard Gate
- █ Khuprail tiles on roof
- █ Installation of WSupply 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
- █ Excavation for Wsupply line
- █ Laying & Jointing WSupply Pipeline
- █ Backfill
- █ Air vent chambers & Valves
- █ Check Valves,Sluice Valves & Chambers
- █ Construction of Sedimentation tank
- █ Construction of Clear water tank
- █ Ancillary work
- █ Water supply testing
- █ Excavation for sewerage pipe line
- █ Lowering & Laying RCC pipe
- █ Trenches filling with crushed stones & compacted earth
- █ Construction of sewerage treatment area
- █ Construction of septic tank
- █ Construction of manholes
- █ Miscellaneous work
- █ WBM Base Course
- █ Triple Surface Treatment
- █ WBM Base Course
- █ Triple Surface Treatment
- █ WBM Base Course
- █ Triple Surface Treatment
- █ WBM Base Course

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

Figure 20 [14/14]



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

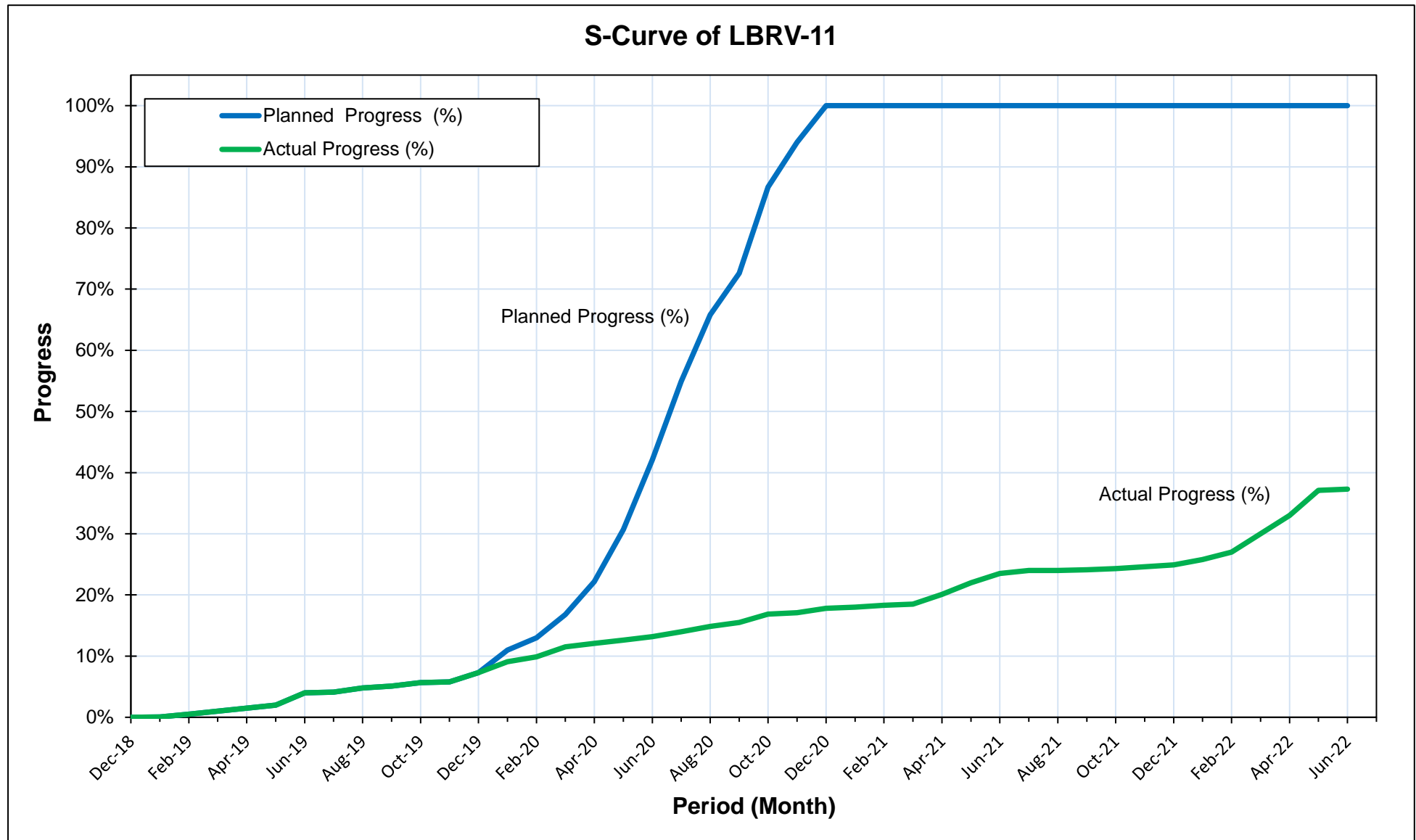


Figure 21: S-Curve for LBRV-11

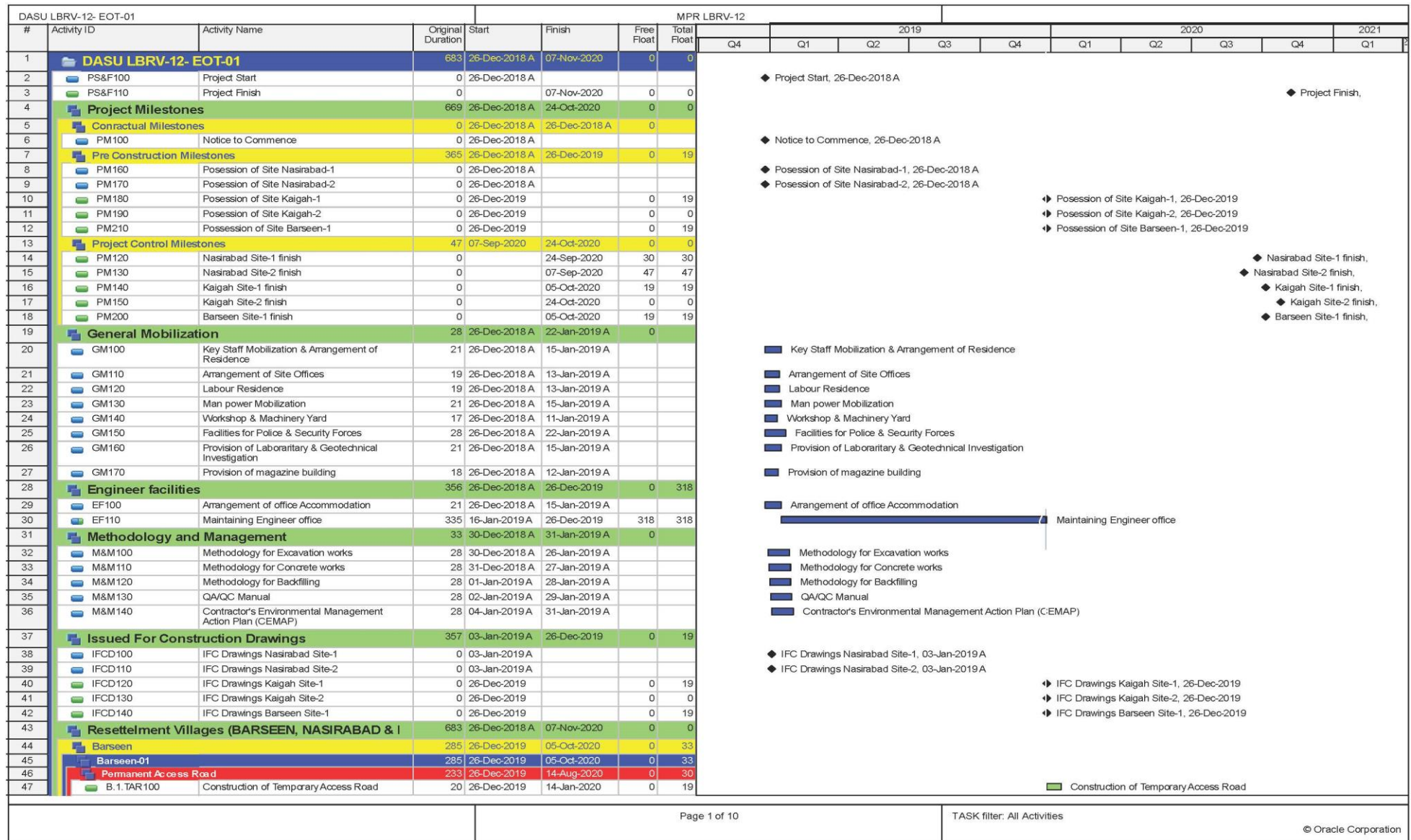
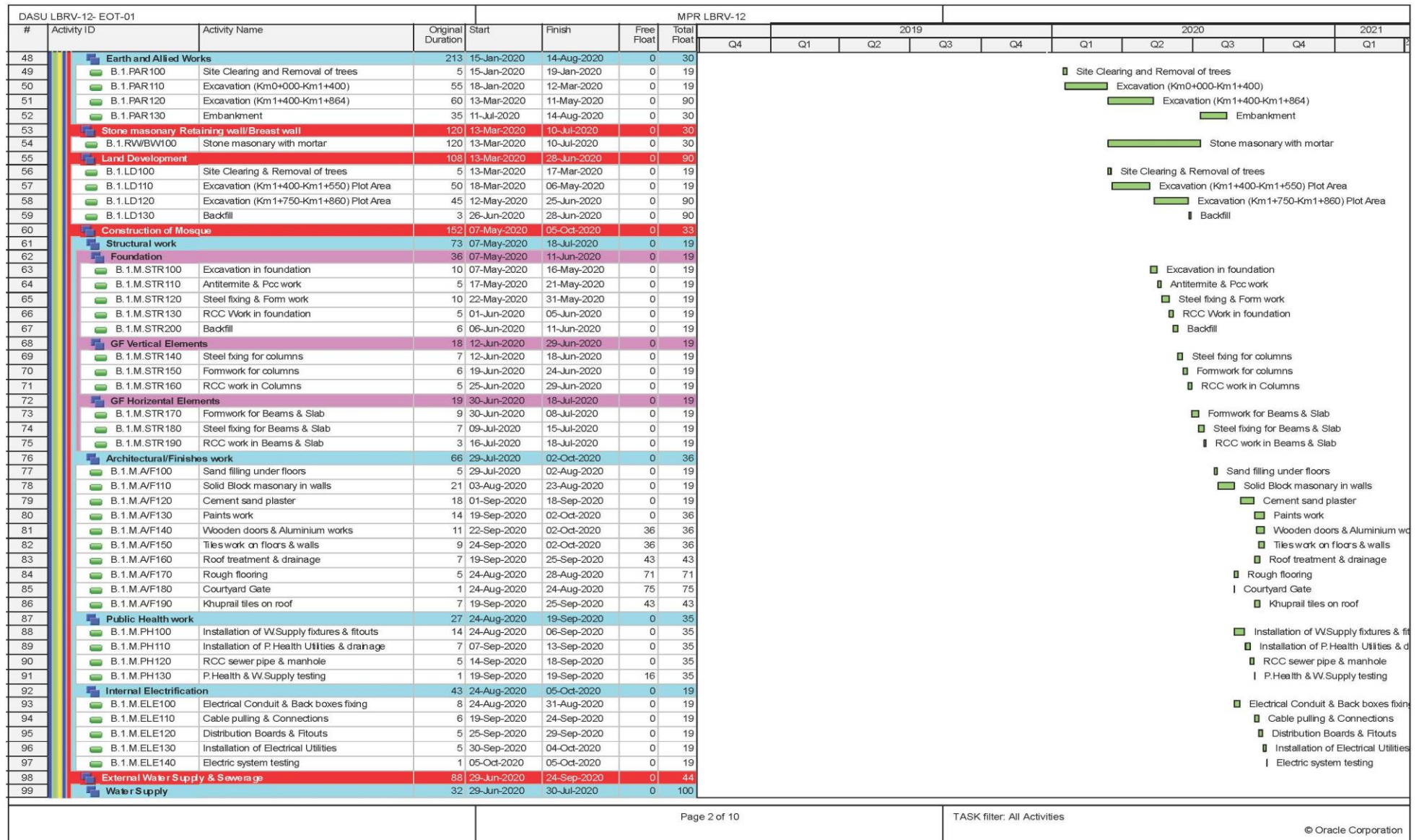


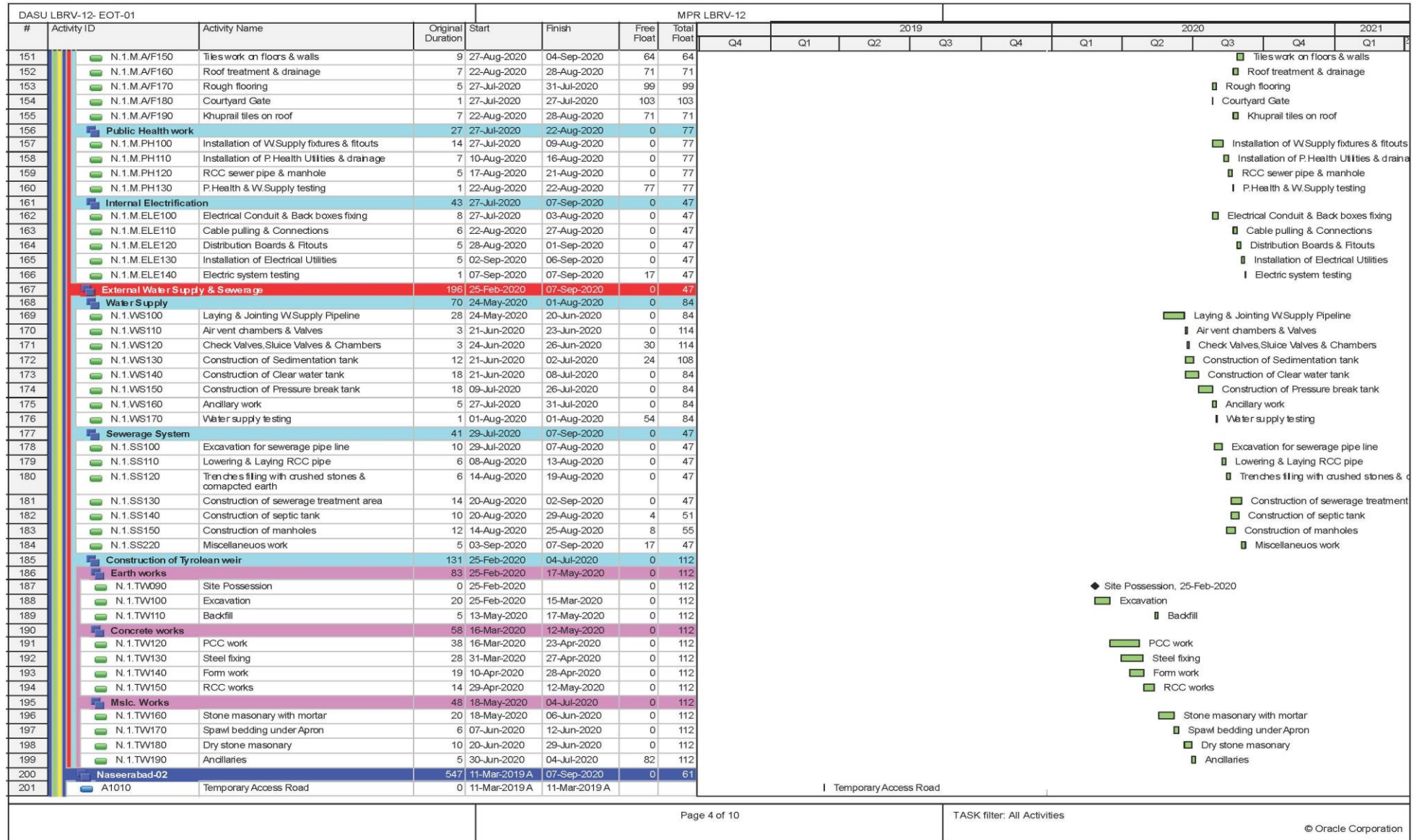
Figure 22: Gantt Chart of Dasu-LBRV-12 (1 of 10)



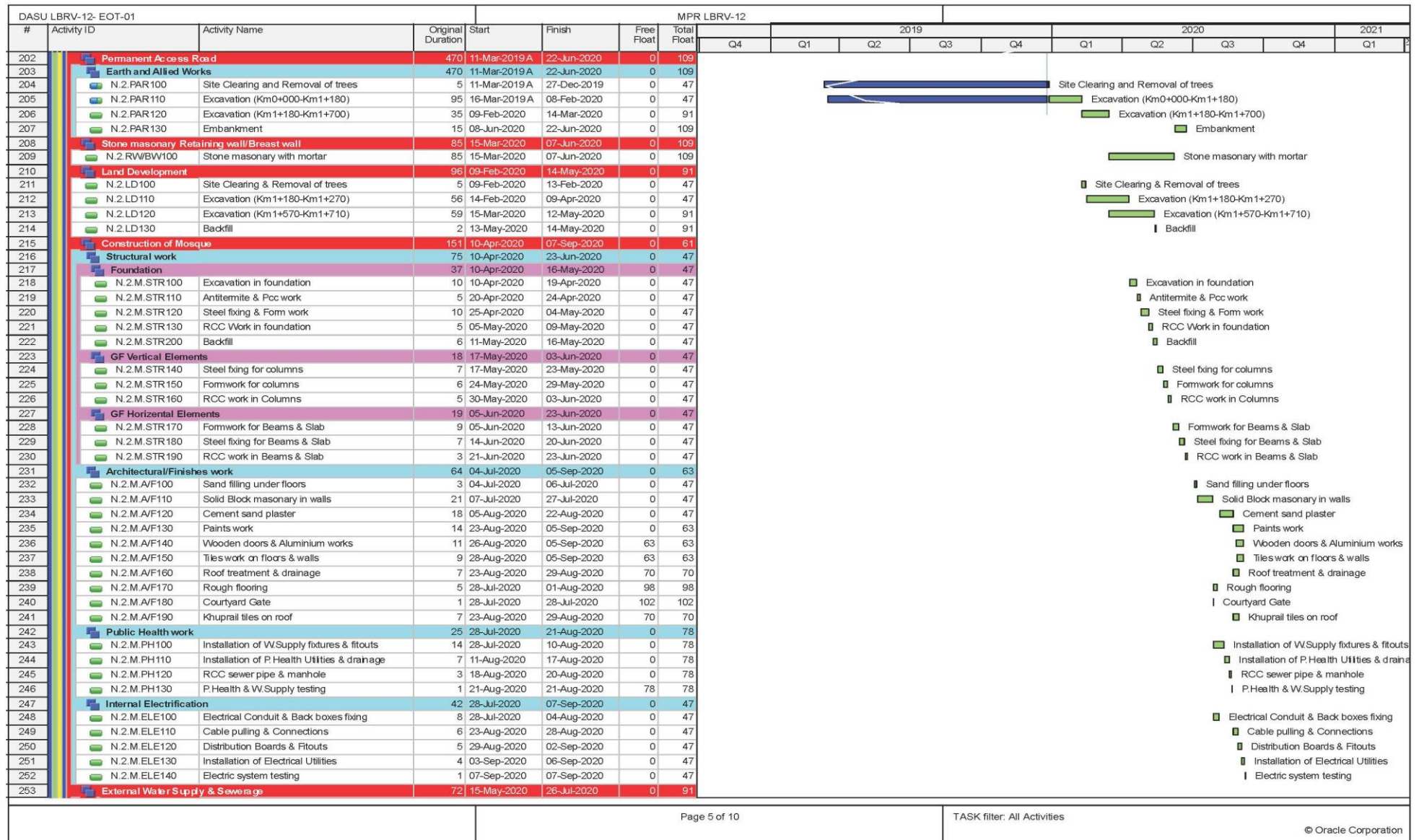
Gantt Chart of Dasu-LBRV-12 (2 of 10)

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		
100	B.1.WS100	Laying & Jointing WSupply Pipeline	21	29-Jun-2020	19-Jul-2020	0	90												Laying & Jointing WSupply Pipeline
101	B.1.WS110	Air vent chambers & Valves	3	20-Jul-2020	22-Jul-2020	0	90												Air vent chambers & Valves
102	B.1.WS120	Construction of Sedimentation tank	12	29-Jun-2020	10-Jul-2020	0	96												Construction of Sedimentation tank
103	B.1.WS130	Construction of Clear water tank	14	11-Jul-2020	24-Jul-2020	0	96												Construction of Clear water tank
104	B.1.WS140	Ancillary work	5	26-Jul-2020	30-Jul-2020	100	100												Ancillary work
105	B.1.WS150	Water supply testing	1	26-Jul-2020	26-Jul-2020	71	90												Water supply testing
106	B.1.WS160	Check Valves, Sluice Valves & Chambers	3	23-Jul-2020	25-Jul-2020	0	90												Check Valves, Sluice Valves & Chambers
107	B.1.WS170	Construction of Pressure break tank	9	11-Jul-2020	19-Jul-2020	6	96												Construction of Pressure break tank
108	Sewerage System		41	15-Aug-2020	24-Sep-2020	0	30												
109	B.1.SS100	Excavation for sewerage pipe line	10	15-Aug-2020	24-Aug-2020	0	30												Excavation for sewerage pipe line
110	B.1.SS110	Lowering & Laying RCC pipe	6	25-Aug-2020	30-Aug-2020	0	30												Lowering & Laying RCC pipe
111	B.1.SS120	Trenches filling with crushed stones & compacted earth	6	31-Aug-2020	05-Sep-2020	0	30												Trenches filling with crushed stones
112	B.1.SS130	Construction of sewerage treatment area	14	06-Sep-2020	19-Sep-2020	0	30												Construction of sewerage treatment area
113	B.1.SS140	Construction of septic tank	10	06-Sep-2020	15-Sep-2020	4	34												Construction of septic tank
114	B.1.SS150	Construction of manholes	12	25-Aug-2020	05-Sep-2020	14	44												Construction of manholes
115	B.1.SS160	Miscellaneous work	5	20-Sep-2020	24-Sep-2020	0	30												Miscellaneous work
116	Naseerabad		547	11-Mar-2019 A	07-Sep-2020	0	61												
117	Naseerabad-01		372	02-Sep-2019 A	07-Sep-2020	0	61												
118	Permanent Access Road		286	02-Sep-2019 A	13-Jun-2020	0	47												
119	Earth and Allied Works		286	02-Sep-2019 A	13-Jun-2020	0	47												
120	N.1.PAR100	Site Clearing and Removal of trees	5	02-Sep-2019 A	29-Dec-2019	0	47												Site Clearing & Removal of trees
121	N.1.PAR110	Excavation	75	05-Sep-2019 A	24-Feb-2020	0	47												Excavation
122	N.1.PAR120	Embankment	48	27-Apr-2020	13-Jun-2020	0	47												Embankment
123	Stone masonry Retaining wall/ Breast wall		62	25-Feb-2020	26-Apr-2020	0	47												Stone masonry with mortar
124	N.1.RW/BW100	Stone masonry with mortar	62	25-Feb-2020	26-Apr-2020	0	47												Stone masonry with mortar
125	Land Development		44	25-Feb-2020	08-Apr-2020	0	47												
126	N.1.LD100	Site Clearing & Removal of trees	5	25-Feb-2020	29-Feb-2020	0	47												Site Clearing & Removal of trees
127	N.1.LD110	Excavation Plot Area	35	01-Mar-2020	04-Apr-2020	0	47												Excavation Plot Area
128	N.1.LD120	Backfill	3	06-Apr-2020	08-Apr-2020	0	47												Backfill
129	Construction of Mosque		152	09-Apr-2020	07-Sep-2020	0	61												
130	Structural work		73	09-Apr-2020	20-Jun-2020	0	47												
131	Foundation		36	09-Apr-2020	14-May-2020	0	47												
132	N.1.M.STR100	Excavation in foundation	10	09-Apr-2020	18-Apr-2020	0	47												Excavation in foundation
133	N.1.M.STR110	Antitermite & Pcc work	5	19-Apr-2020	23-Apr-2020	0	47												Antitermite & Pcc work
134	N.1.M.STR120	Steel fixing & Form work	10	24-Apr-2020	03-May-2020	0	47												Steel fixing & Form work
135	N.1.M.STR130	RCC Work in foundation	5	04-May-2020	08-May-2020	0	47												RCC Work in foundation
136	N.1.M.STR200	Backfill	6	09-May-2020	14-May-2020	0	47												Backfill
137	GF Vertical Elements		18	15-May-2020	01-Jun-2020	0	47												
138	N.1.M.STR140	Steel fixing for columns	7	15-May-2020	21-May-2020	0	47												Steel fixing for columns
139	N.1.M.STR150	Formwork for columns	6	22-May-2020	27-May-2020	0	47												Formwork for columns
140	N.1.M.STR160	RCC work in Columns	5	28-May-2020	01-Jun-2020	0	47												RCC work in Columns
141	GF Horizontal Elements		19	02-Jun-2020	20-Jun-2020	0	47												
142	N.1.M.STR170	Formwork for Beams & Slab	9	02-Jun-2020	10-Jun-2020	0	47												Formwork for Beams & Slab
143	N.1.M.STR180	Steel fixing for Beams & Slab	7	11-Jun-2020	17-Jun-2020	0	47												Steel fixing for Beams & Slab
144	N.1.M.STR190	RCC work in Beams & Slab	3	18-Jun-2020	20-Jun-2020	0	47												RCC work in Beams & Slab
145	Architectural/Finishes work		66	01-Jul-2020	04-Sep-2020	0	64												
146	N.1.M.A/F100	Sand filling under floors	5	01-Jul-2020	05-Jul-2020	0	47												Sand filling under floors
147	N.1.M.A/F110	Solid Block masonry in walls	21	06-Jul-2020	26-Jul-2020	0	47												Solid Block masonry in walls
148	N.1.M.A/F120	Cement sand plaster	18	04-Aug-2020	21-Aug-2020	0	47												Cement sand plaster
149	N.1.M.A/F130	Paints work	14	22-Aug-2020	04-Sep-2020	0	64												Paints work
150	N.1.M.A/F140	Wooden doors & Aluminium works	11	25-Aug-2020	04-Sep-2020	64	64												Wooden doors & Aluminium works

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



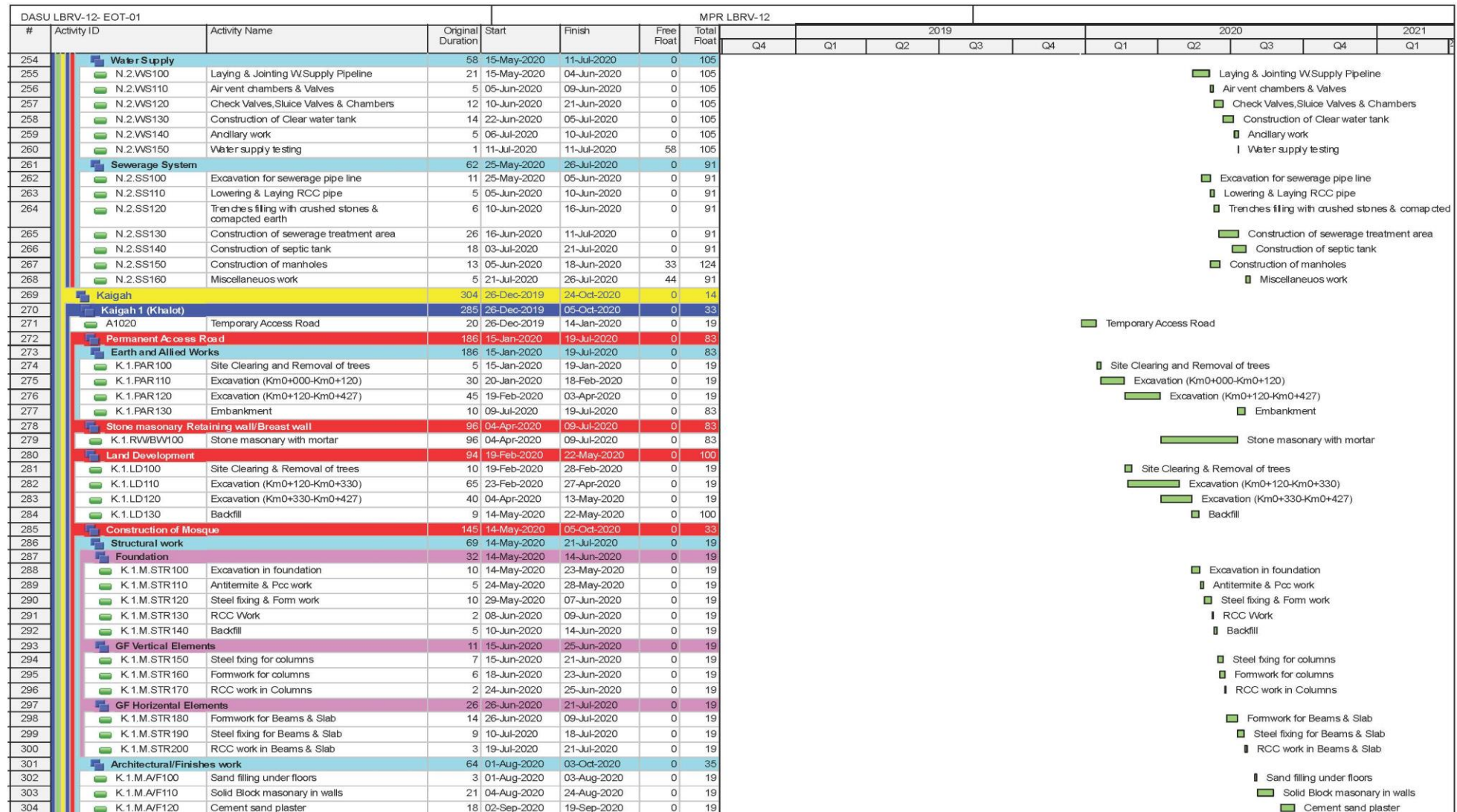
Gantt Chart of Dasu-LBRV-12 (4 of 10)



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

Dasu Hydropower Project
Monthly Progress Report No. 95 (June 2022)

Figure 22 [6/10]

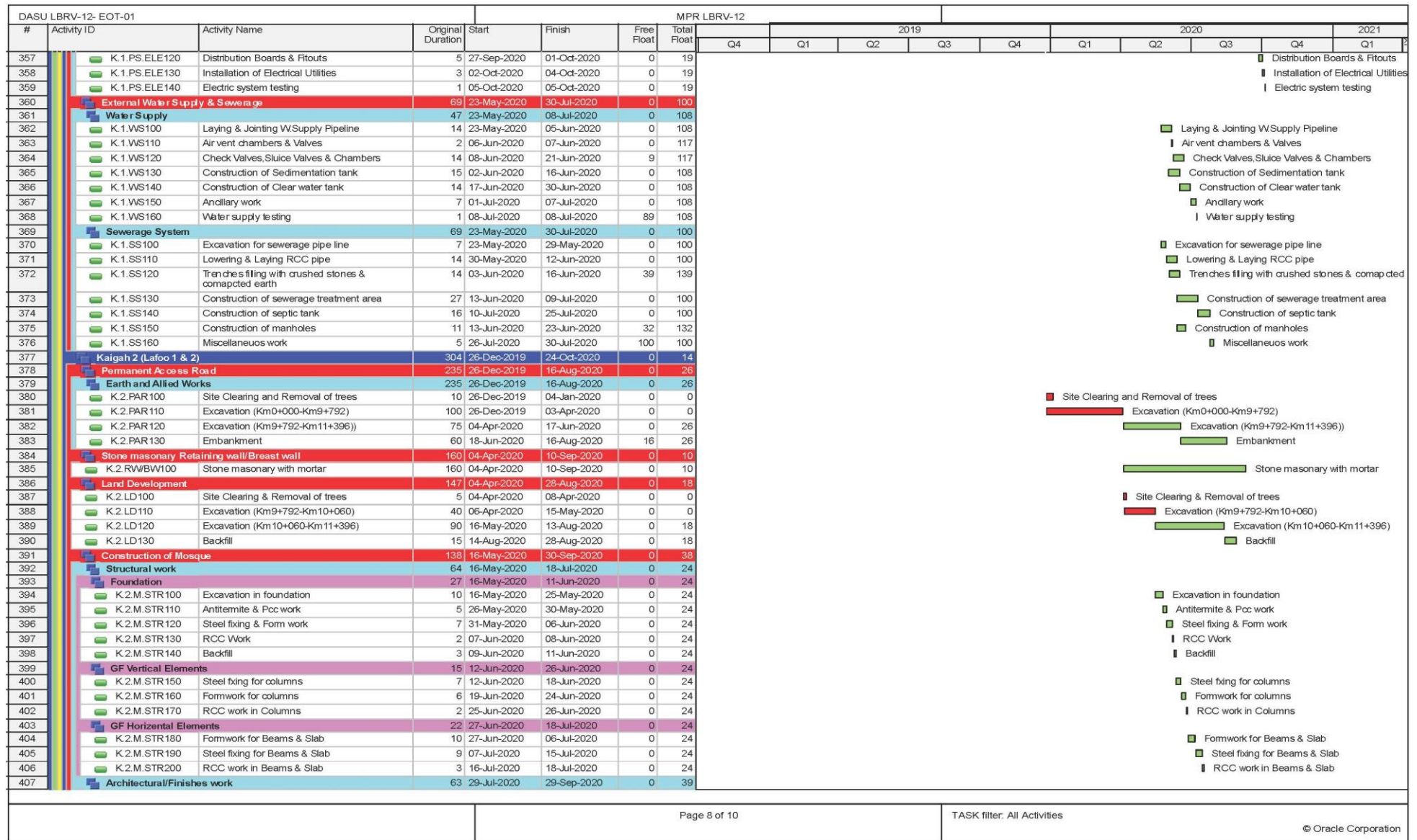


Gantt Chart of Dasu-LBRV-12 (6 of 10)

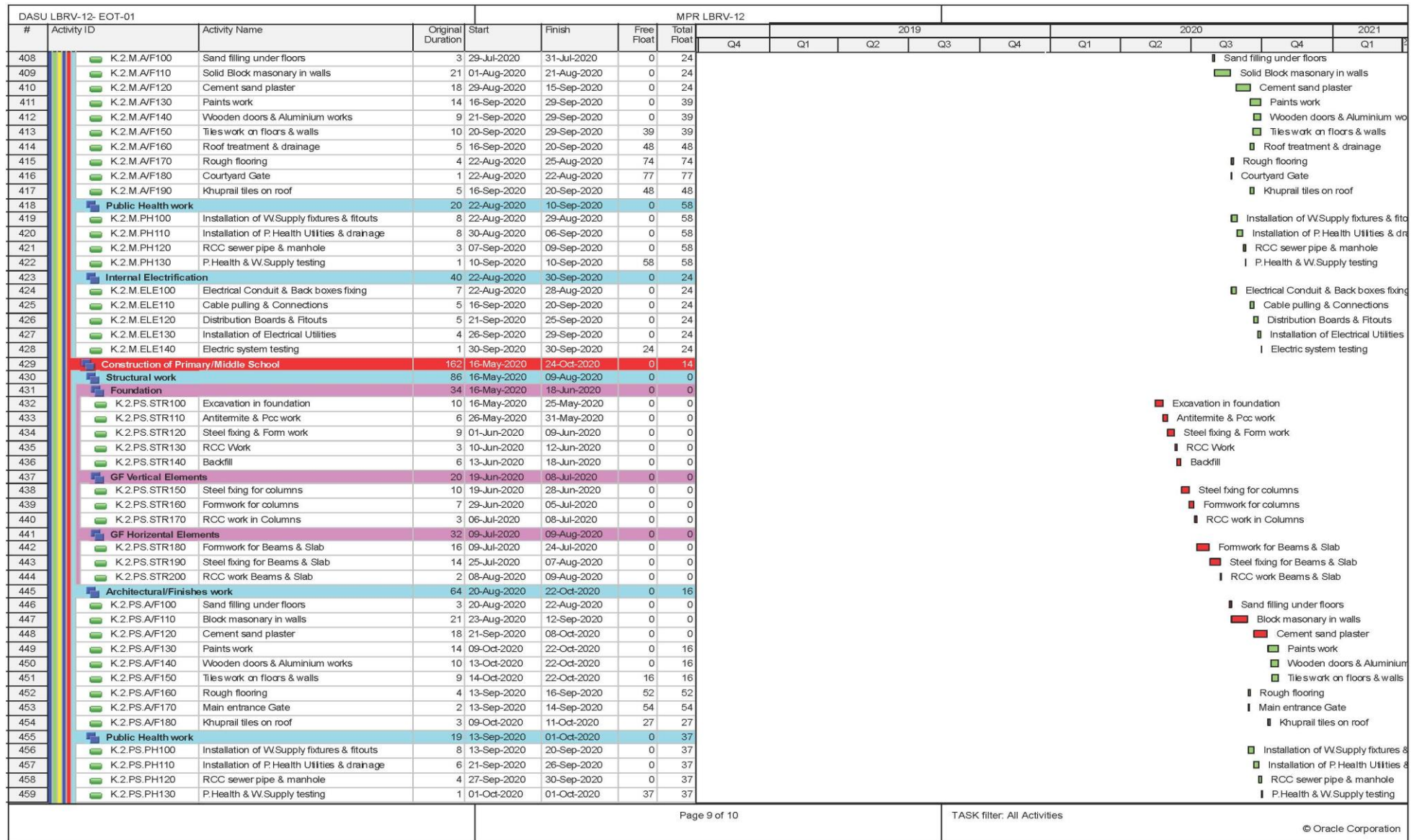
Figure 22 [7/10]

DASU LBRV-12- EOT-01				MPR LBRV-12														
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	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											Paints work
306	K.1.M.A/F140	Wooden doors & Aluminium works	9	25-Sep-2020	03-Oct-2020	0	35											Wooden doors & Aluminium works
307	K.1.M.A/F150	Tiles work on floors & walls	11	23-Sep-2020	03-Oct-2020	35	35											Tiles work on floors & walls
308	K.1.M.A/F160	Roof treatment & drainage	5	20-Sep-2020	24-Sep-2020	44	44											Roof treatment & drainage
309	K.1.M.A/F170	Rough flooring	5	25-Aug-2020	29-Aug-2020	70	70											Rough flooring
310	K.1.M.A/F180	Courtyard Gate	1	25-Aug-2020	25-Aug-2020	74	74											Courtyard Gate
311	K.1.M.A/F190	Khupral tiles on roof	5	20-Sep-2020	24-Sep-2020	44	44											Khupral tiles on roof
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											Installation of W.Supply fixtures & fitouts
314	K.1.M.PH110	Installation of P.Health Utilities & drainage	8	04-Sep-2020	11-Sep-2020	0	53											Installation of P.Health Utilities & drainage
315	K.1.M.PH120	RCC sewer pipe & manhole	3	12-Sep-2020	14-Sep-2020	0	53											RCC sewer pipe & manhole
316	K.1.M.PH130	P.Health & W.Supply testing	1	15-Sep-2020	15-Sep-2020	53	53											P.Health & W.Supply testing
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											Electrical Conduit & Back boxes fixing
319	K.1.M.ELE110	Cable pulling & Connections	5	20-Sep-2020	24-Sep-2020	0	19											Cable pulling & Connections
320	K.1.M.ELE120	Distribution Boards & Fitouts	6	25-Sep-2020	30-Sep-2020	0	19											Distribution Boards & Fitouts
321	K.1.M.ELE130	Installation of Electrical Utilities	4	01-Oct-2020	04-Oct-2020	0	19											Installation of Electrical Utilities
322	K.1.M.ELE140	Electric system testing	1	05-Oct-2020	05-Oct-2020	0	19											Electric system testing
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											Excavation in foundation
327	K.1.PS.STR110	Antitermite & Pcc work	6	08-May-2020	13-May-2020	0	19											Antitermite & Pcc work
328	K.1.PS.STR120	Steel fixing & Form work	9	14-May-2020	22-May-2020	0	19											Steel fixing & Form work
329	K.1.PS.STR130	RCC Work	3	23-May-2020	25-May-2020	0	19											RCC Work
330	K.1.PS.STR140	Backfill	6	26-May-2020	31-May-2020	0	19											Backfill
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											Steel fixing for columns
333	K.1.PS.STR160	Formwork for columns	7	11-Jun-2020	17-Jun-2020	0	19											Formwork for columns
334	K.1.PS.STR170	RCC work in Columns	3	18-Jun-2020	20-Jun-2020	0	19											RCC work in Columns
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											Formwork for Beams & Slab
337	K.1.PS.STR190	Steel fixing for Beams & Slab	14	07-Jul-2020	20-Jul-2020	0	19											Steel fixing for Beams & Slab
338	K.1.PS.STR200	RCC work Beams & Slab	2	21-Jul-2020	22-Jul-2020	0	19											RCC work Beams & Slab
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											Sand filling under floors
341	K.1.PS.A/F110	Block masonry in walls	21	05-Aug-2020	25-Aug-2020	0	19											Block masonry in walls
342	K.1.PS.A/F120	Cement sand plaster	18	04-Sep-2020	21-Sep-2020	0	19											Cement sand plaster
343	K.1.PS.A/F130	Paints work	14	22-Sep-2020	05-Oct-2020	0	33											Paints work
344	K.1.PS.A/F140	Wooden doors & Aluminium works	9	27-Sep-2020	05-Oct-2020	0	33											Wooden doors & Aluminium works
345	K.1.PS.A/F150	Tiles work on floors & walls	6	30-Sep-2020	05-Oct-2020	33	33											Tiles work on floors & walls
346	K.1.PS.A/F160	Rough flooring	4	26-Aug-2020	29-Aug-2020	70	70											Rough flooring
347	K.1.PS.A/F170	Main entrance Gate	2	26-Aug-2020	27-Aug-2020	72	72											Main entrance Gate
348	K.1.PS.A/F180	Khupral tiles on roof	7	22-Sep-2020	28-Sep-2020	40	40											Khupral tiles on roof
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											Installation of W.Supply fixtures & fitouts
351	K.1.PS.PH110	Installation of P.Health Utilities & drainage	5	02-Sep-2020	06-Sep-2020	0	57											Installation of P.Health Utilities & drainage
352	K.1.PS.PH120	RCC sewer pipe & manhole	4	07-Sep-2020	10-Sep-2020	0	57											RCC sewer pipe & manhole
353	K.1.PS.PH130	P.Health & W.Supply testing	1	11-Sep-2020	11-Sep-2020	57	57											P.Health & W.Supply testing
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											Electrical Conduit & Back boxes fixing
356	K.1.PS.ELE110	Cable pulling & Connections	5	22-Sep-2020	26-Sep-2020	0	19											Cable pulling & Connections

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

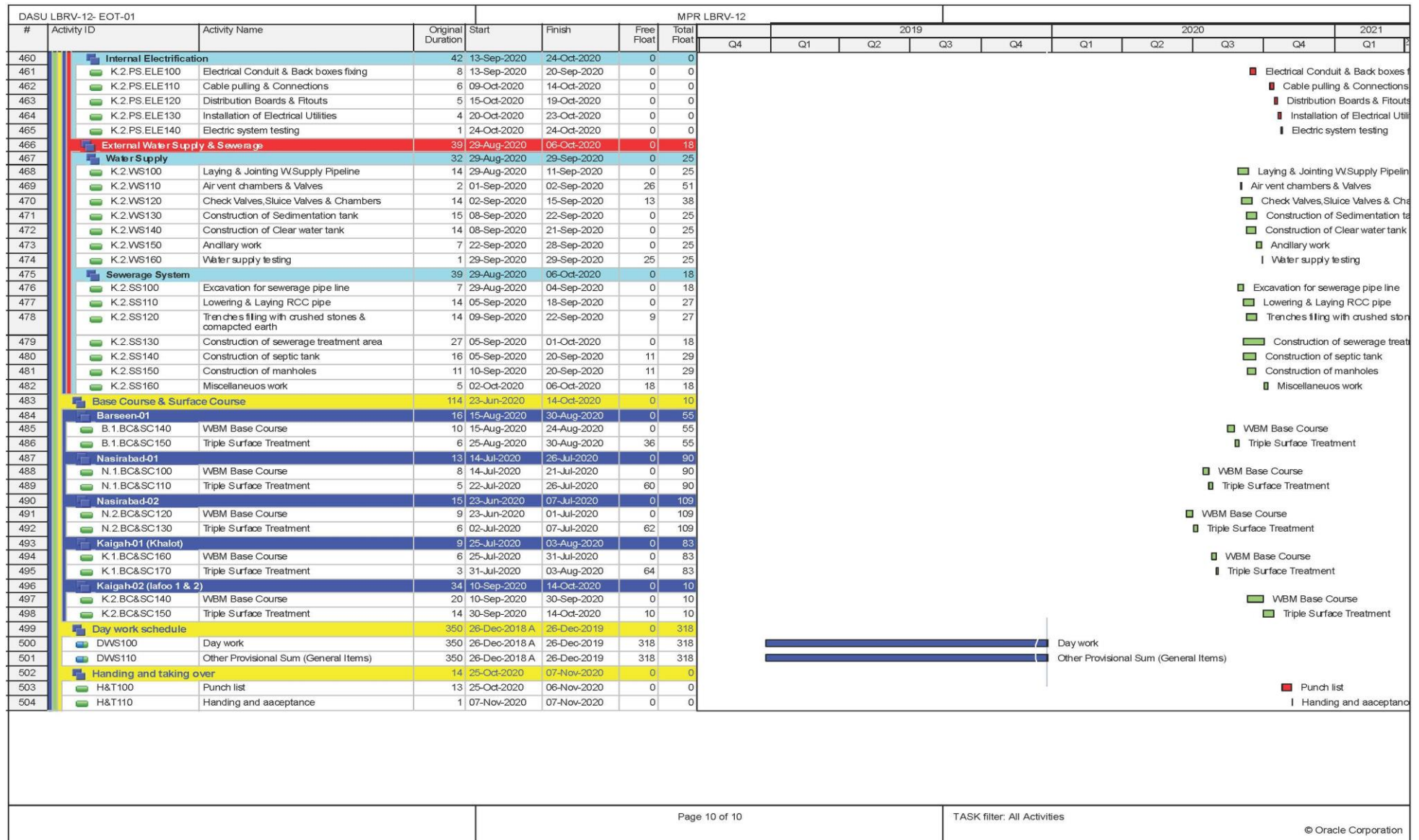


Gantt Chart of Dasu-LBRV-12 (8 of 10)



Gantt Chart of Dasu-LBRV-12 (9 of 10)

Figure 22 [10/10]



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

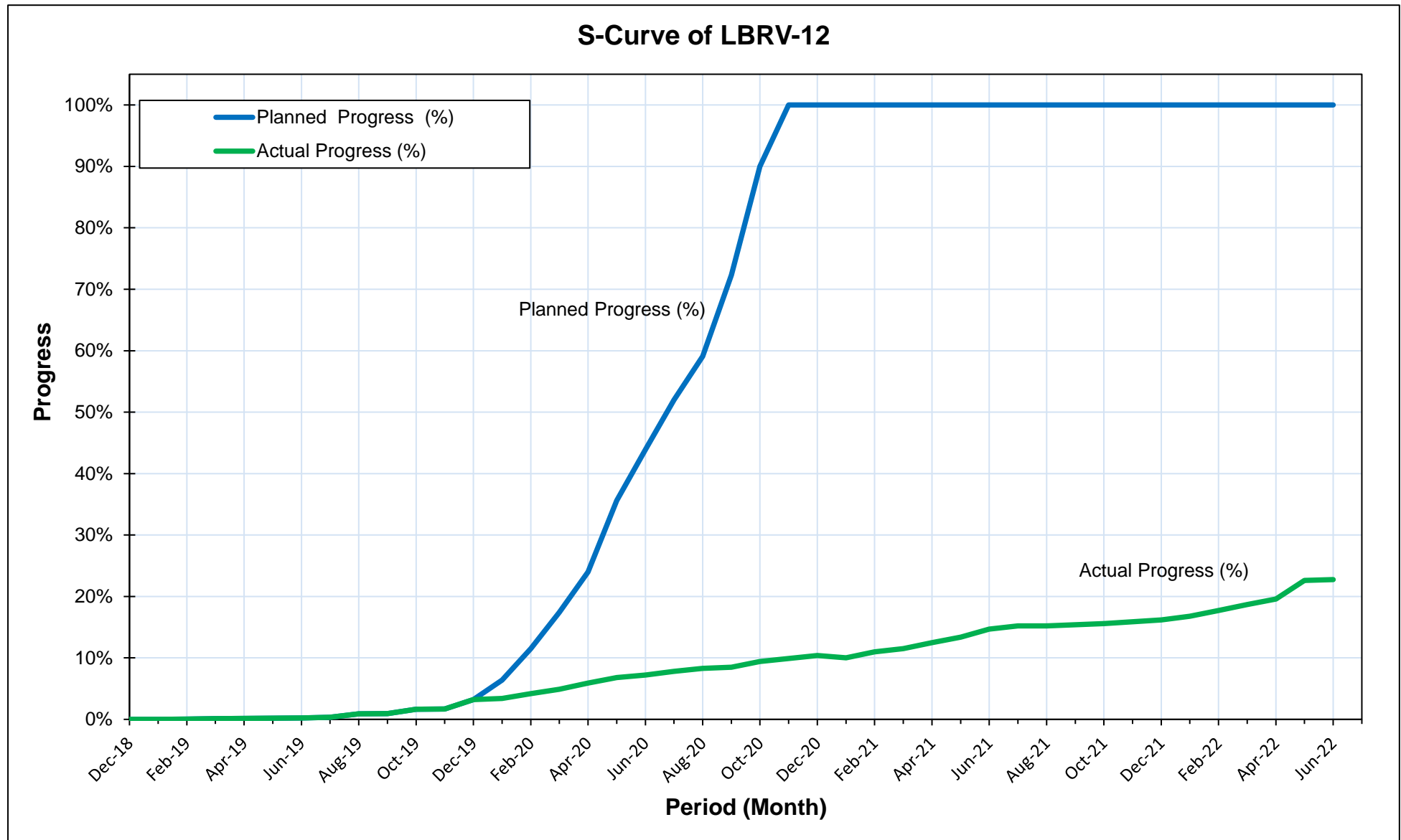


Figure 23: S-Curve for LBRV-12

Figure 24 [1/2]

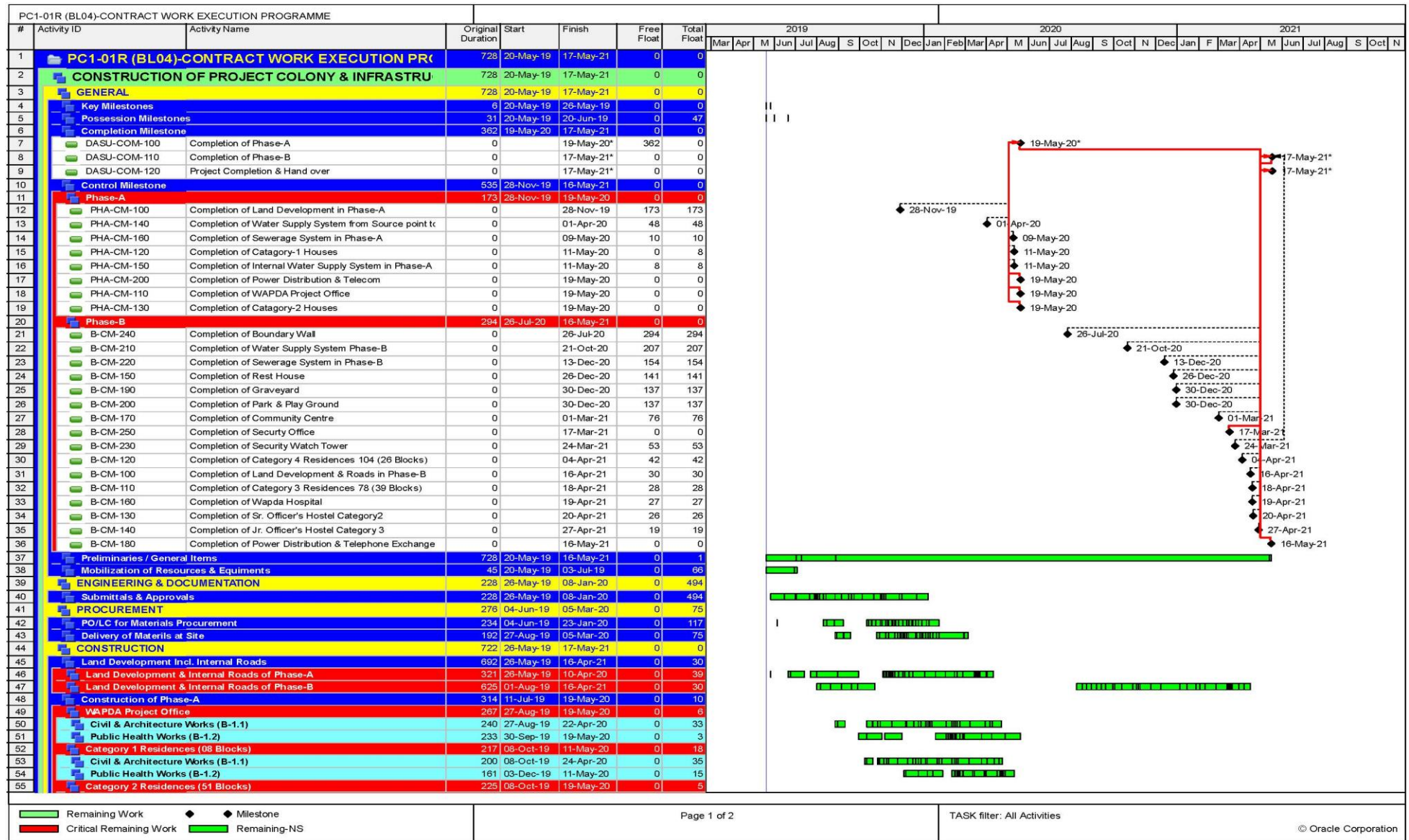
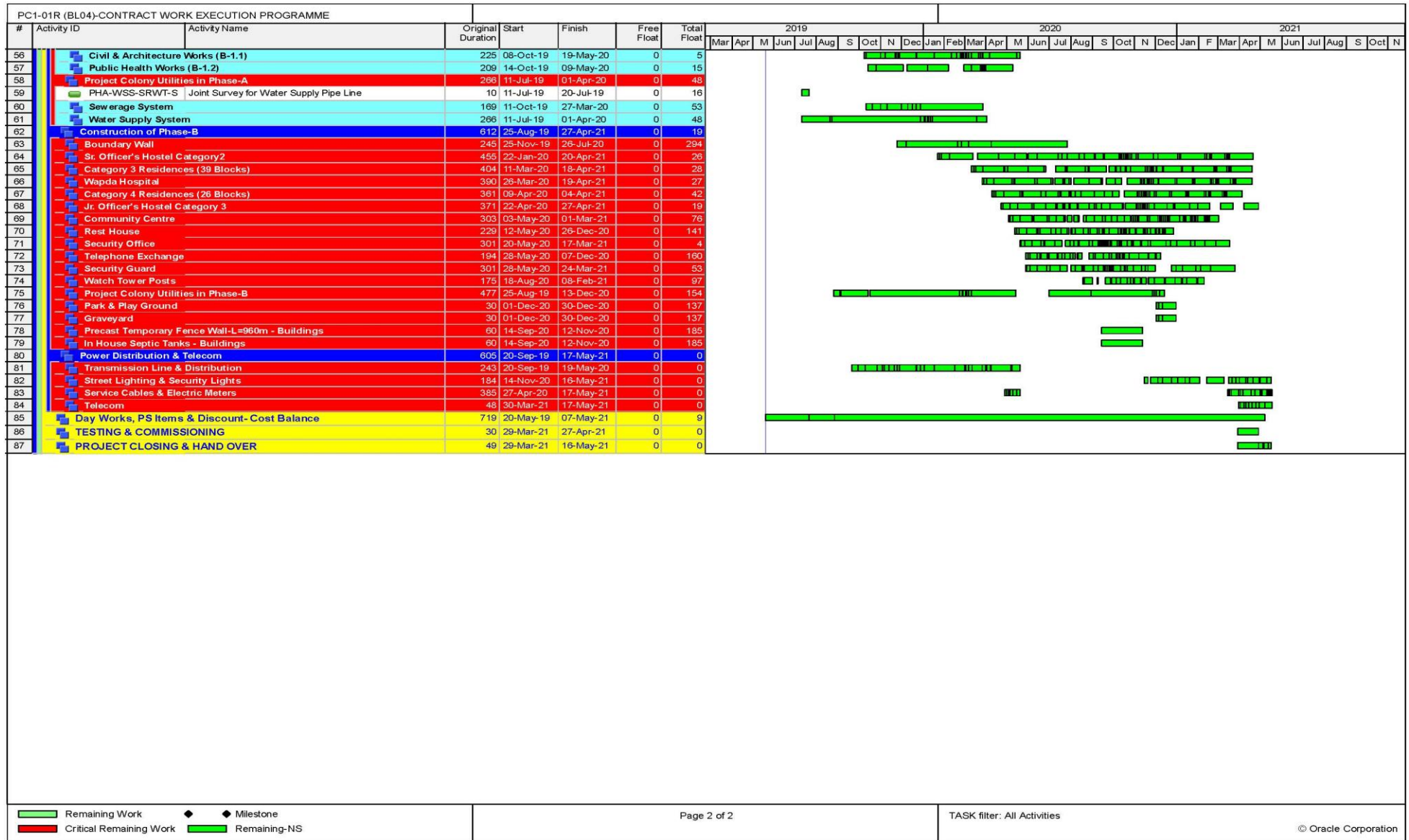


Figure 24: Gantt Chart of Dasu-PCI-01R (1 of 2)

Figure 24 [2/2]



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

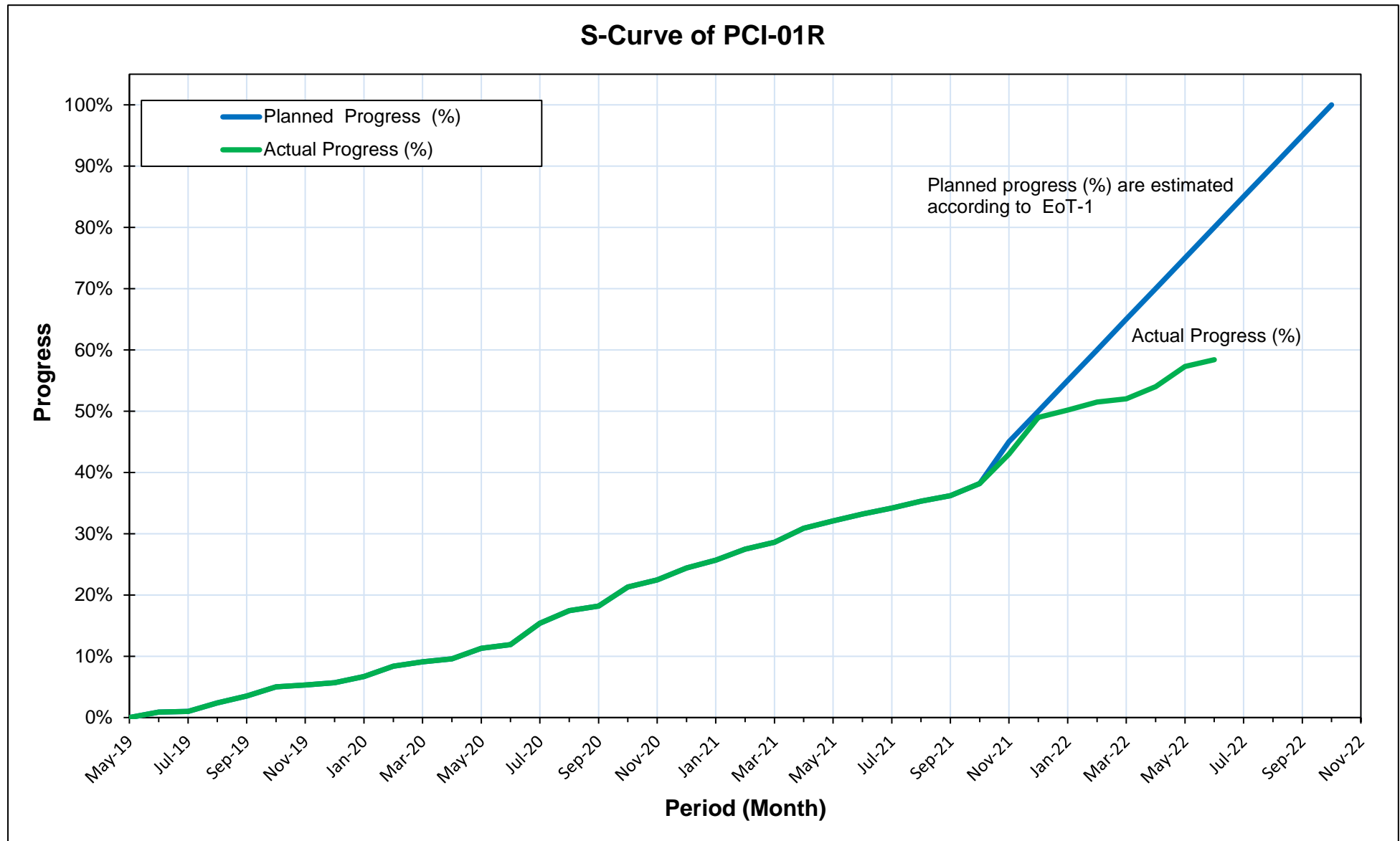


Figure 25: S-Curve for PCI-01R

Figure 26 [1/5]

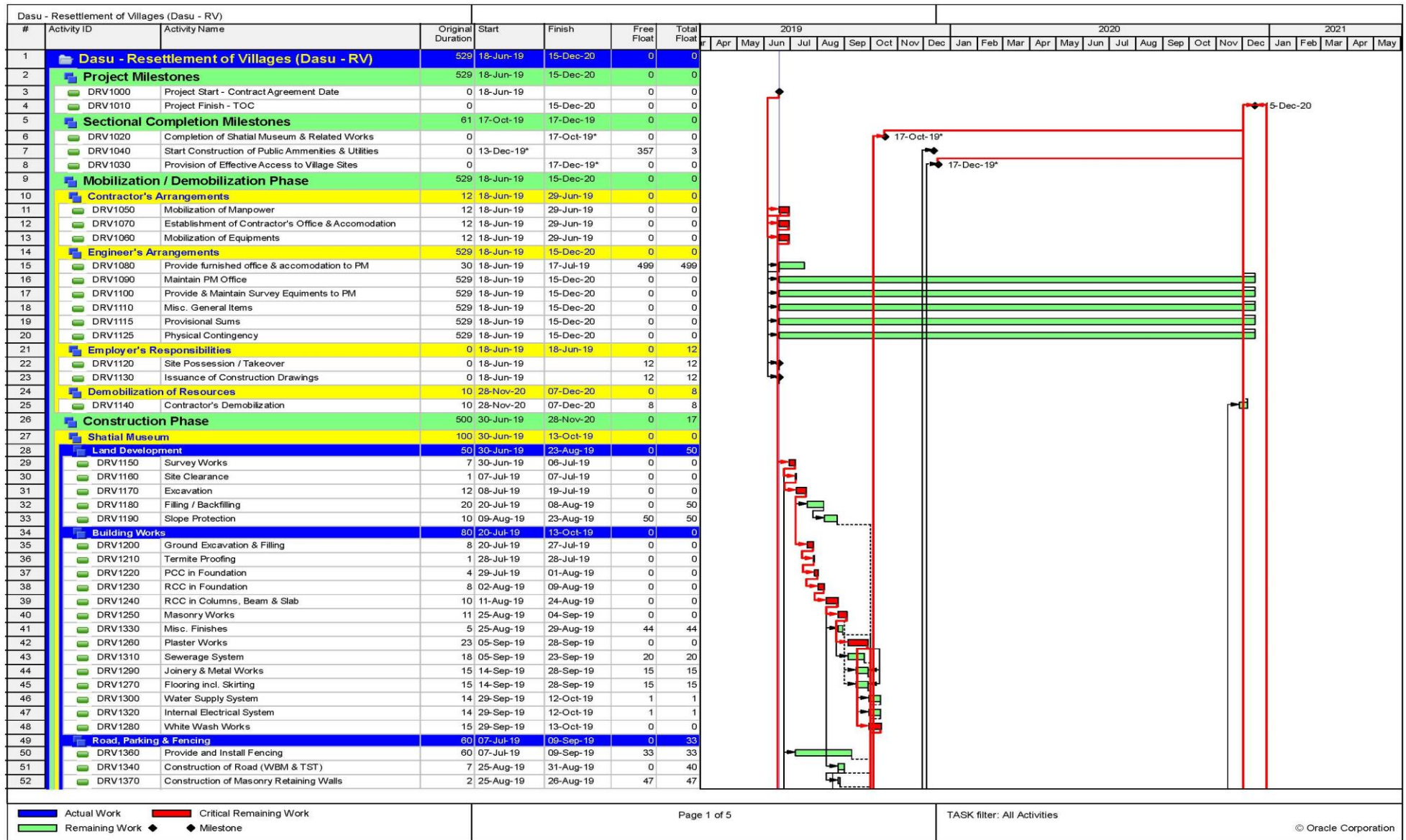
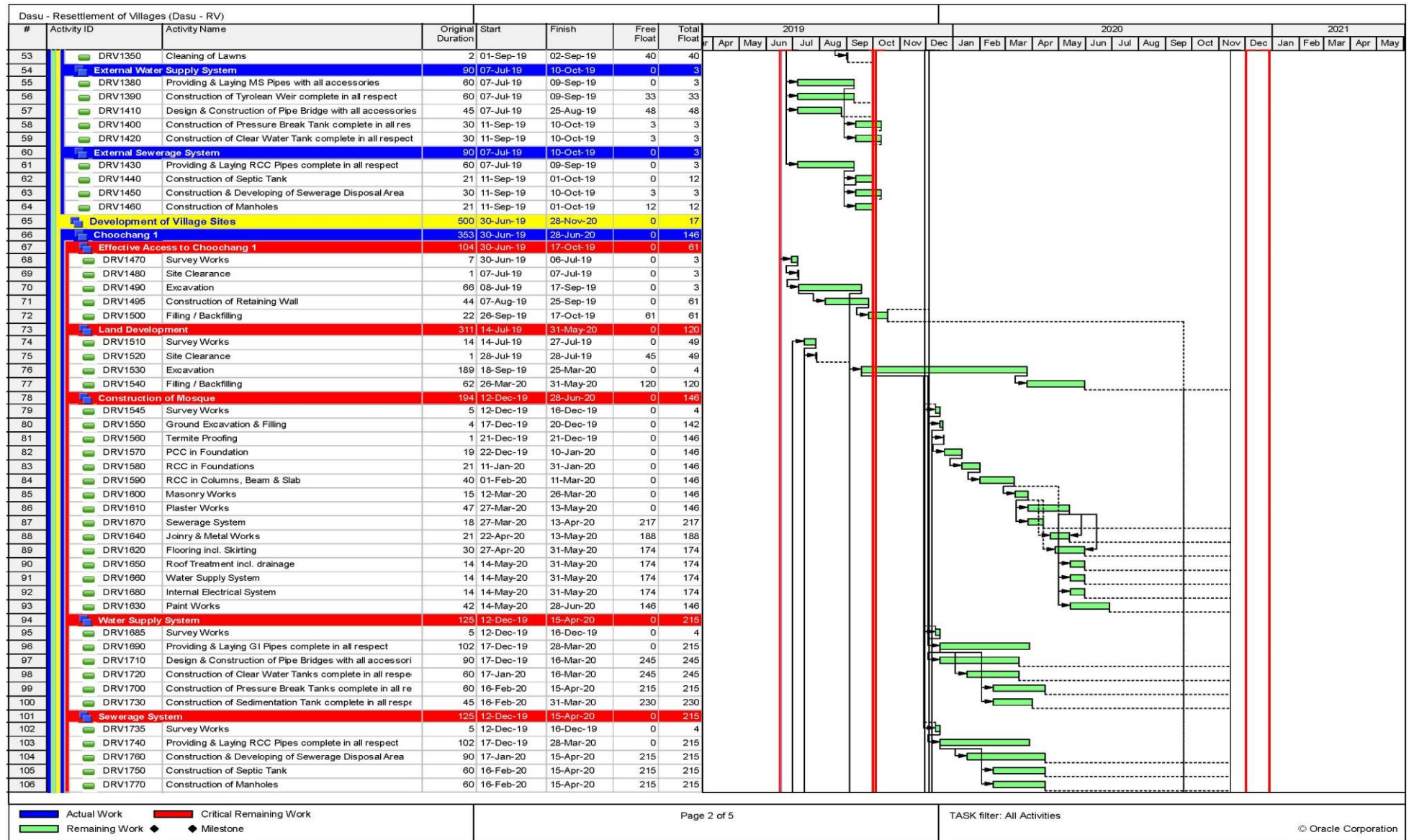


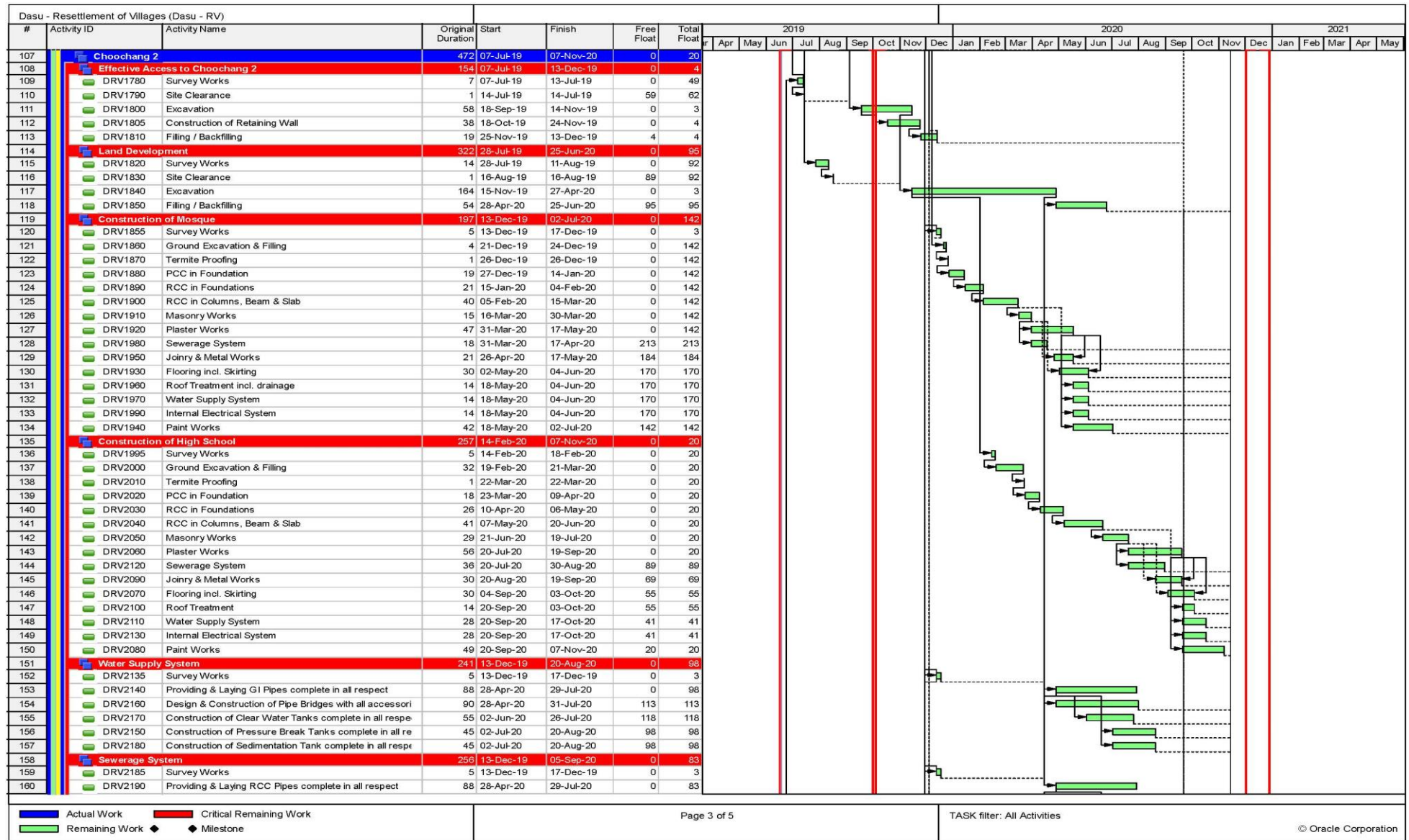
Figure 26: Gantt Chart of Dasu-RV (1 of 5)

Figure 26 [2/5]



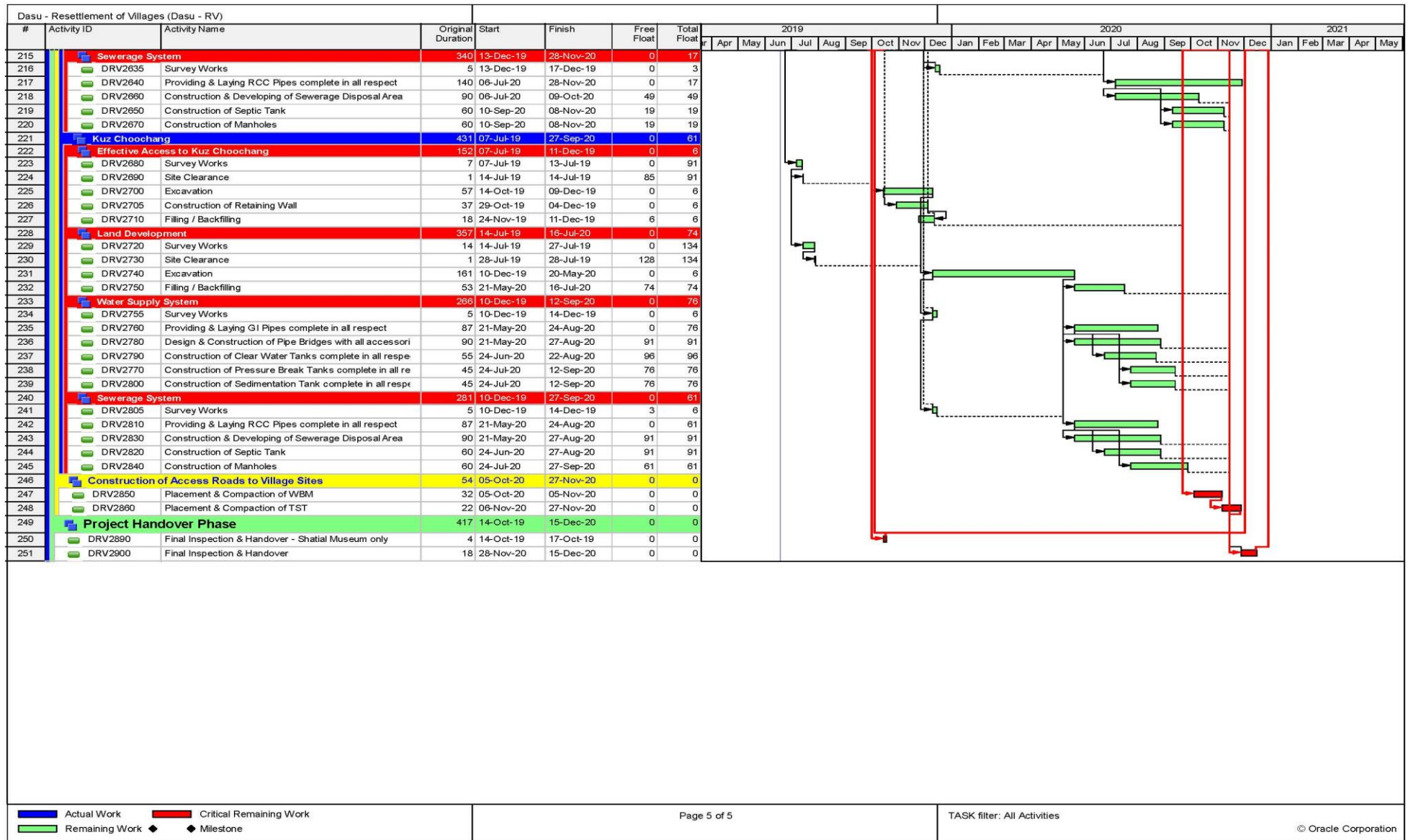
Gantt Chart of Dasu-RV (2 of 5)

Figure 26 [3/5]



Gantt Chart of Dasu-RV (3 of 5)

Figure 26 [5/5]



Gantt Chart of Dasu-RV (5 of 5)

■ Actual Work ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

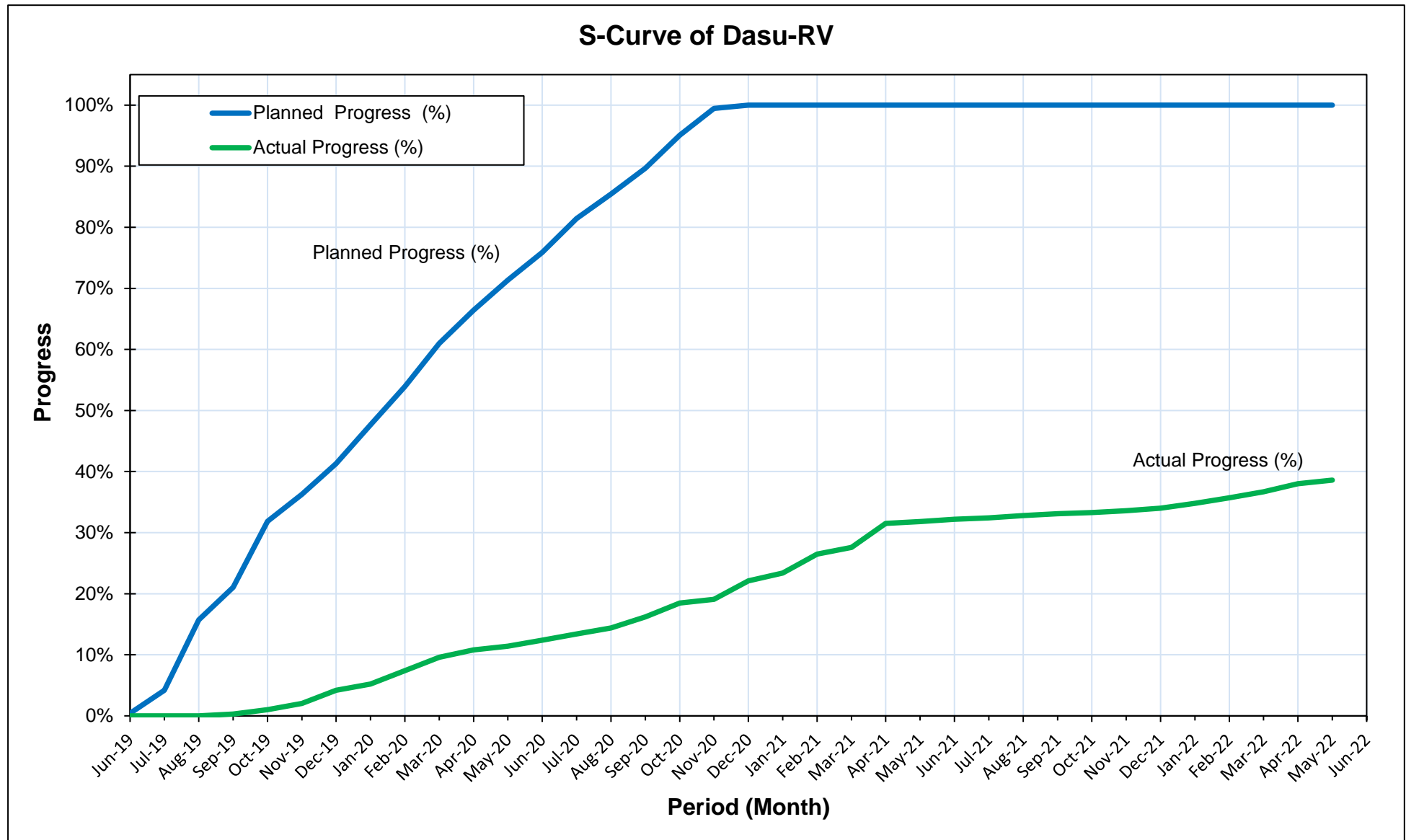


Figure 27: S-Curve for RV

Figure 28 [1/4]

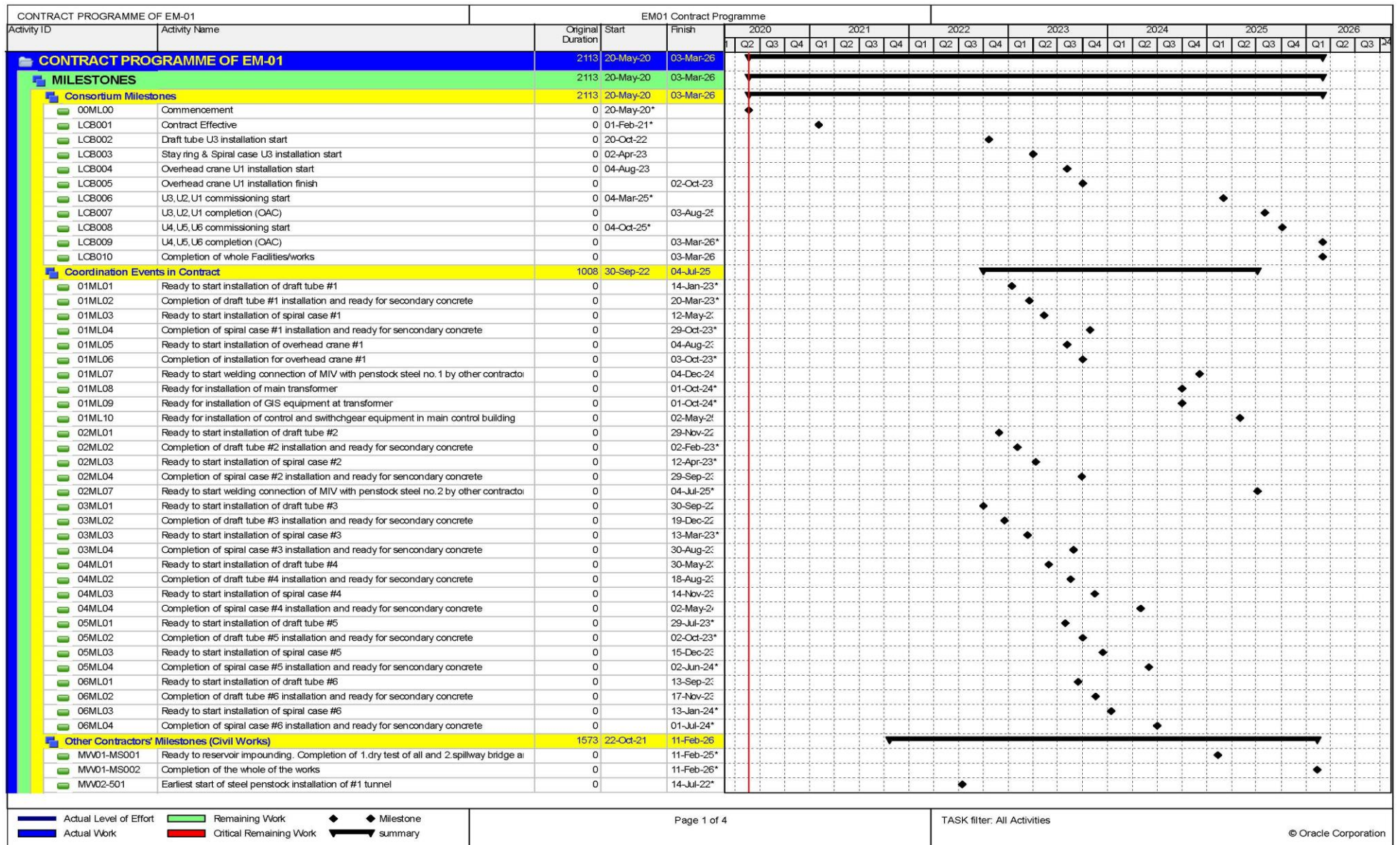
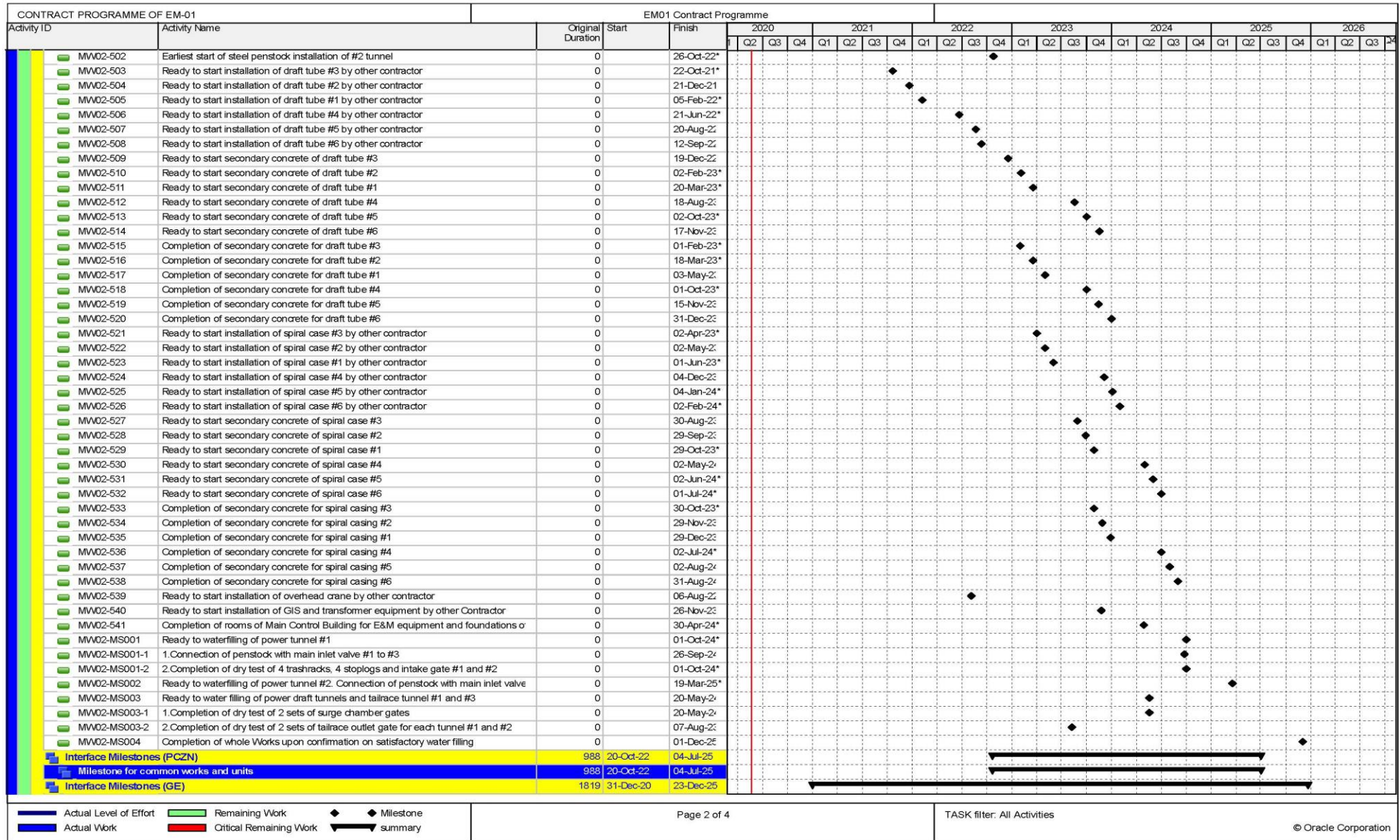


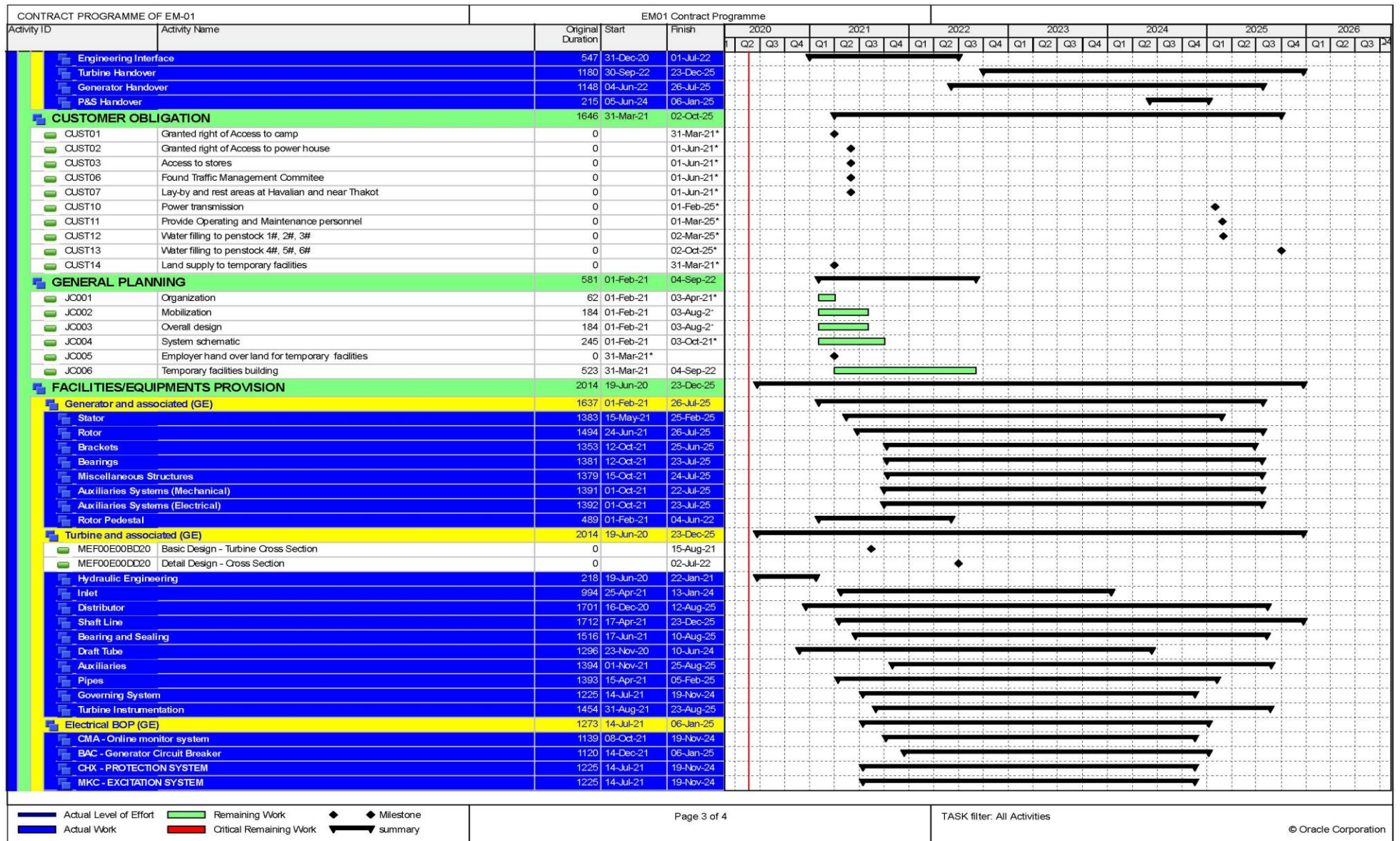
Figure 28: Gantt Chart of Dasu-EM-01 (1 of 4)

Figure 28 [2/4]



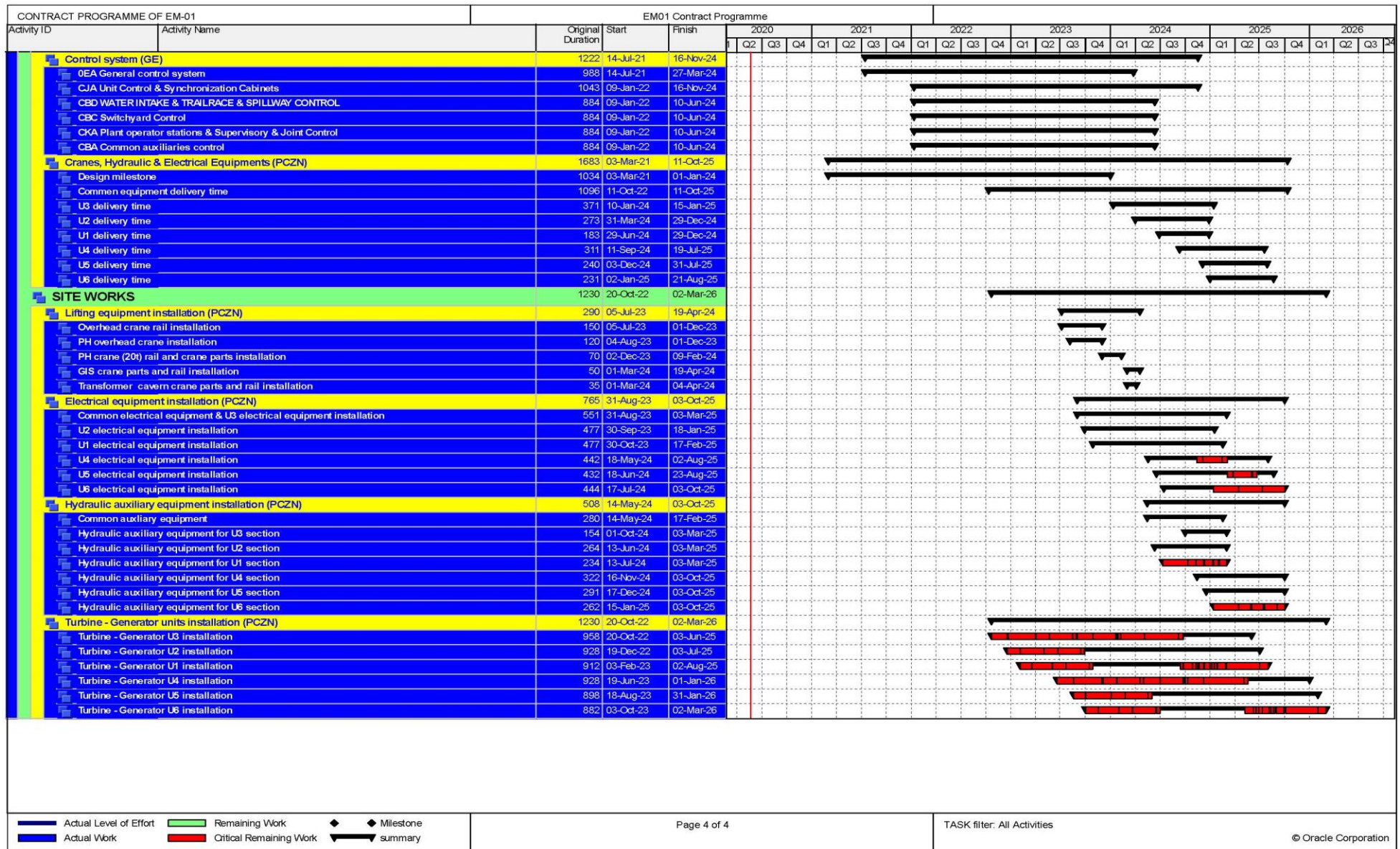
Gantt Chart of Dasu-EM-01 (2 of 4)

Figure 28 [3/4]



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

Figure 28 [4/4]



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

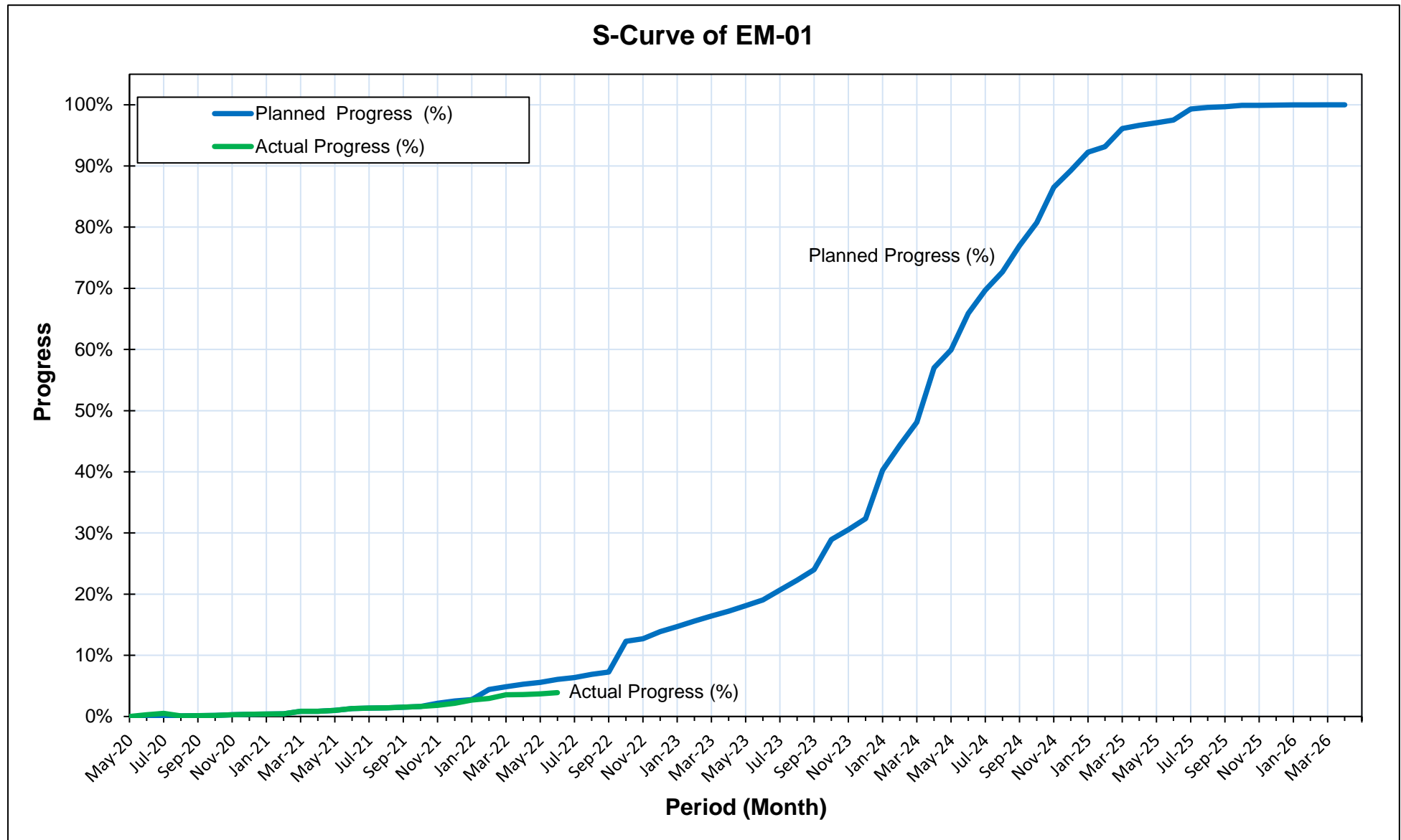


Figure 29: S-Curve for EM-01

APPENDICES

APPENDIX A

Project Activities Pictorial

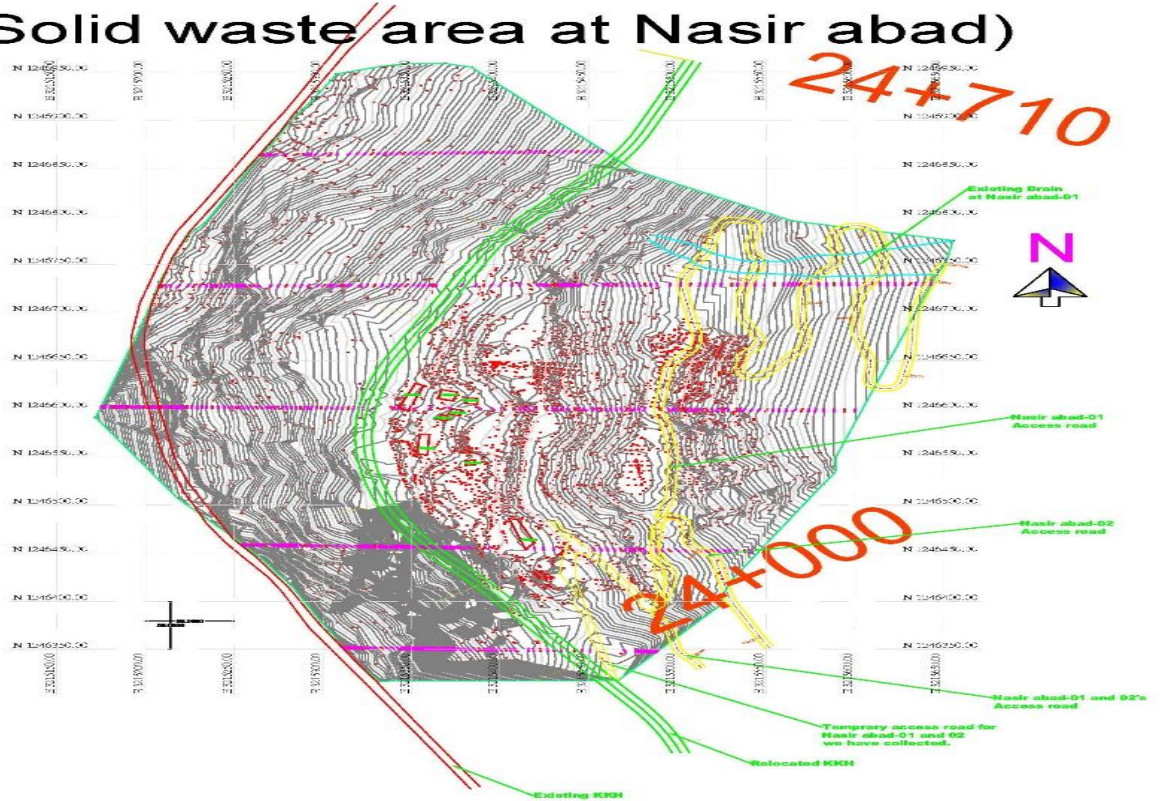
Appendix A: Project Activities Pictorial

Photographs of Environment Section



Supervision of monthly spot water sampling and testing

(Solid waste area at Nasir abad)



Detailed topographic map of the proposed solid waste disposal site

Photographs of OHS Section



A view of weekly joint site inspection by DHC OHS at K-9 CCECC Chinese camp



A view of weekly joint site inspection by DHC OHS at Main Access Tunnel



Weekly joint inspection of tripartite at RAR-01 bypass



A view of joint site inspection with MCS consultant at CR2



OHS conducted training session with contractors, DHC & WAPDA staff on importance of PPEs



Safety induction of DHC OHS staff conducted by CGGC at CR2



A view of monthly OHS progress review meeting with CGGC at DHC office



Joint TBT conducted at CR9 by tripartite



Daily TBT conducted by CGGC at Kass camp



Daily TBT conducted by CGGC at DTB inlet



Monthly fire truck AFI inspection conducted by DHC OHS at Uchar camp



Monthly fire truck joint inspection conducted by CGGC & DHC at Uchar camp



Monthly inspection of CGGC ambulance was conducted by DHC OHS at Uchar camp



Monthly inspection of CGGC medical clinic was conducted at Barseen by DHC OHS



Verification of operator licenses and maintenance record by DHC OHS at Main works



Validation of Air quality monitoring inside the tunnel by DHC and CGGC OHS staff



Checking effectiveness of communication system at powerhouse junction during joint inspection of tripartite at power house



A view of road closure along with flagman and signage during critical activity at KKH-02

Photographs of Social & Resettlement Section



Visited Siglo Blasting Area on 07-06-2022 for field verification of Affected Houses for ESMR Package



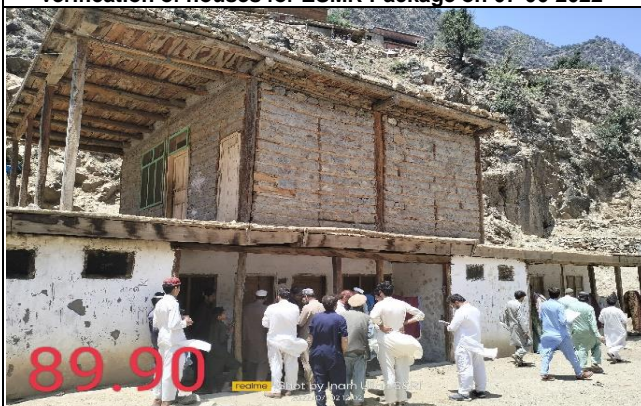
Visited Dam Site on 04-06-2022 to identify the Affected Houses for early relocation to hand over the area to CGG



Field Verification Committee visiting Siglo Blasting Area for verification of houses for ESMR Package on 07-06-2022



Field Verification Committee at Siglo 2 File 04 Area for verification of houses for ESMR Package on 22-06-2022



Field Verification Committee at Siglo 2 File 03 Area for verification of houses for ESMR Package



Field Verification Committee at Siglo 2 File 03 Area for verification of houses for ESMR Package



Field Verification visit of houses to Uchar Spoil dumping area on 1-06-2022



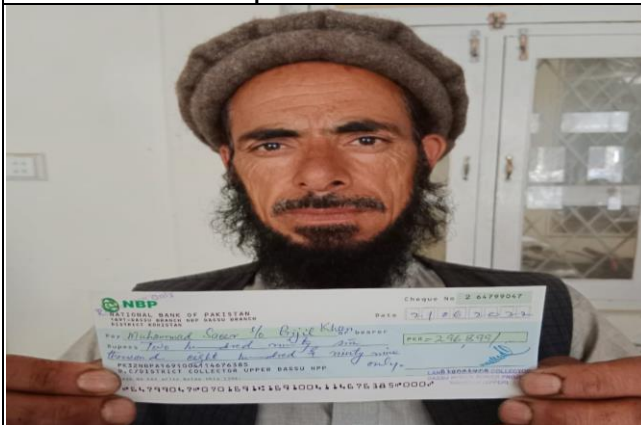
DHC SMR Members preparing ESMR Files



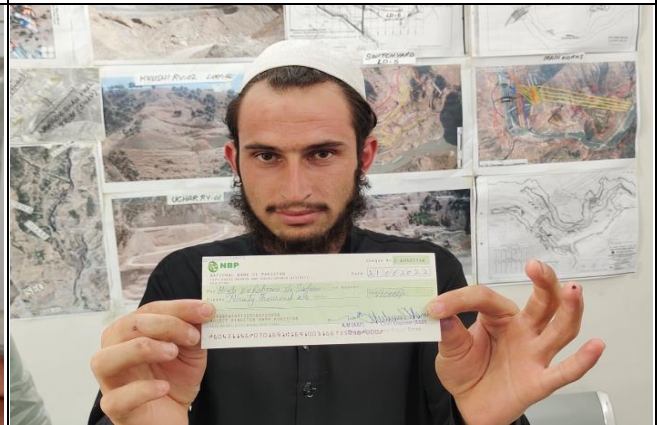
DC Office and DHC staff during cheques disbursement of KKH-02 Addl Land (Kaigha to Awai) Area-1 (A) Part-I Component on 13-06-2



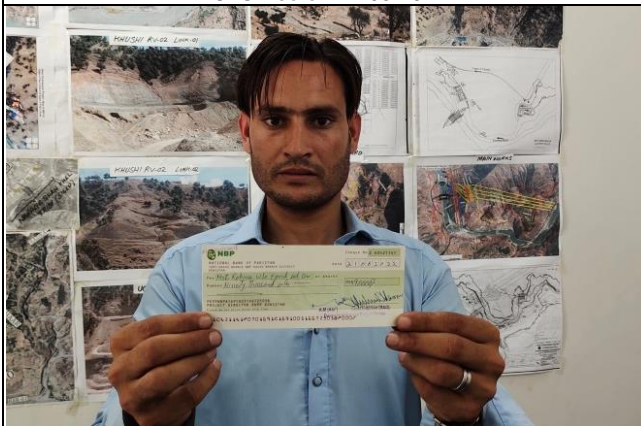
PAP showing received compensation payment cheque at DC Office on 22-06-2022



PAP is showing received compensation payment cheque at DC Office on 22-05-2022



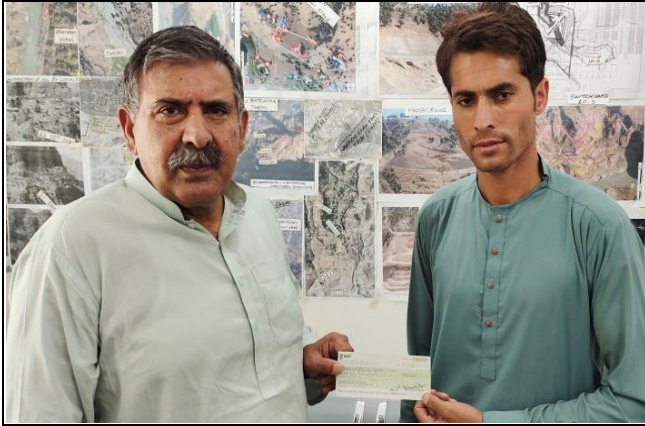
AHH from KKH-01 (ROW) area is showing receive TRP cheque paid for 2 quarters



AHH from KKH-01 (ROW) area is showing receive TRP cheque paid for 2 quarters



Advisor R&R WAPDA PMU providing TRP cheque to AHH form KKH-01 (ROW) Area



Advisor R&R WAPDA PMU providing TRP cheque to AHH form KKH-01 (ROW) Area



ESMR Disbursement team is working on scrutiny of documents for cheques preparation



ESMR Cheque delivered to AHH of Chuchang Village on 10-06-2022



ESMR Cheque delivered to AHH of Sigloo Village on 10-06-2022



ESMR Cheque delivered to AHH of Komila Village on 12-06-2022



ESMR Cheque delivered to AHH of Paniba Village on 14-06-2022



Consultation Team conducting meeting at site along with Infrastructure to resolve various issues of plot location, redesigning of plot size, and access road to mosque.



Consultation Team carrying out consultati with a group of Chuchang RV-1 for resuming work stopped due to the issue of sub-contract of sewage line



OPPO F17
2022/06/21 10:12
Consultation Team jointly with LA Team conducting meeting with the land owners of access road to RV-4 at Kuz Chuchang to resume Revenue Survey



OPPO F21 Pro
2022/06/30 15:49
Consultation Team conducting meeting with community along with the Contractor to resolve the issue of water channel at RV-4 of Kuz Chuchang



Shot on OPPO F5
By Barseen Contractor Camp
Meeting of S&R Team with the community of RV Chuchang-04 for identification of water supply source & Line route 27-06-20



OPPO F21 Pro
2022/06/08 15:59
DHC Social and Techinal team resolving the issue at RV-4 Chuchang on 28-06-2022

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



Concrete pouring for plant installation at K6+400 for Camp construction



Excavation for Retaining wall foundation in Khushe at RD=K8+00



Formwork of Sismic reinforcement wall at K3 Tunnel loutet portal



Concrete pouring of Sismic reinforcement wal completed at outlet of K3 Tunnel



Excavation at K28 access Road KKH02



Excavation at K37 Access Road KKH02



Excavation & Loading around K2(Komila Bypass)



Drilling Work around K2+170 (Komila Bypass)



Excavation & Loading around K2(Komila Bypass)



Rebars for B/Wall (Komila Bypass- start section)



Drilling for Blast at Kandia Bridge Access Road Widening



Charging for Blast at K13+254 RAR02



Concrete for foundation of Cableway Transportation System at K20+590 RAR02



Excavation at T-111A



Formwork installation and steel fixing for top beam and roof slab concrete



Excavation/Cutting work at Access road to Grid Station.



Excavation/Cutting work at Access road to Grid Station.

Photographs of MW-01 & MW-02



22-06-2022 LBTT OUTLET



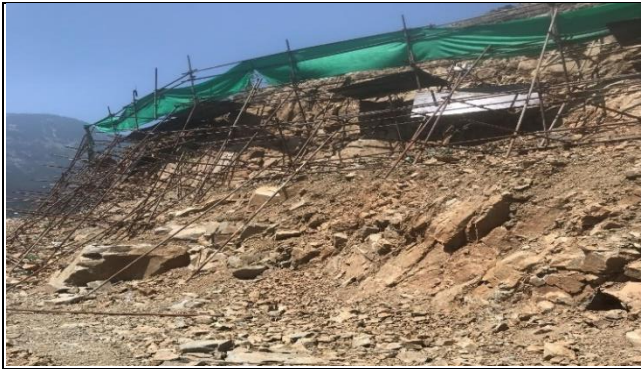
24-06-2022 Right bank cable crane



Civil Works at Uchar Crushing Plant



Diversion Tunnel-A inside



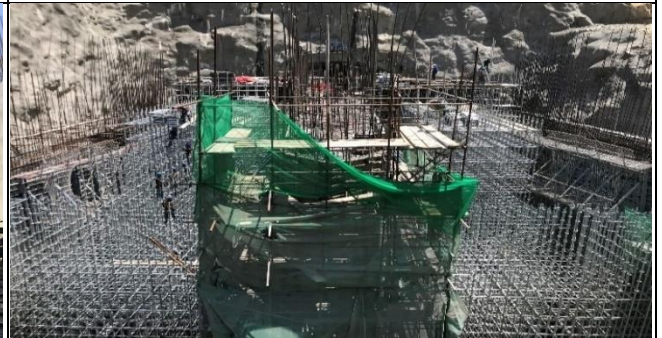
Excavation for Right Bank Cable Crane



Inlet of DTA



Inlet of DTA-1



Inlet of DTB



Invert Slab Concrete



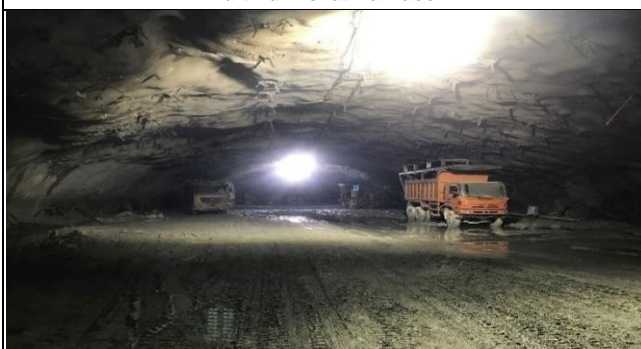
Kass



Adit Tunnel at Tailrace



Excavation works at RAR-02



Powerhouse Cavern Additional Support Works in Progress



Switchyard

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



Slope Protection Of Nasirabad Site



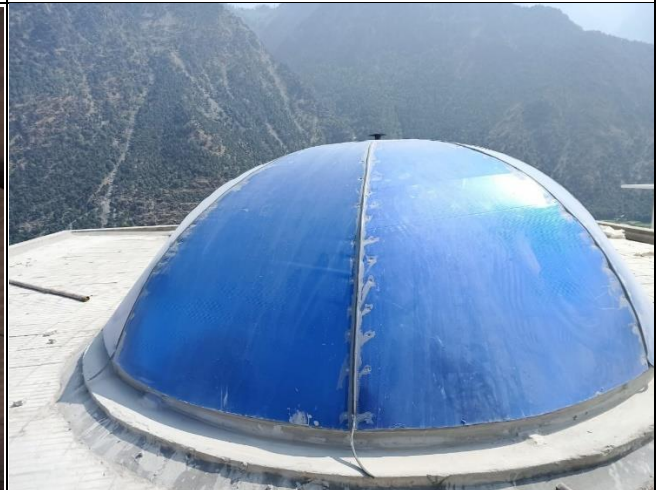
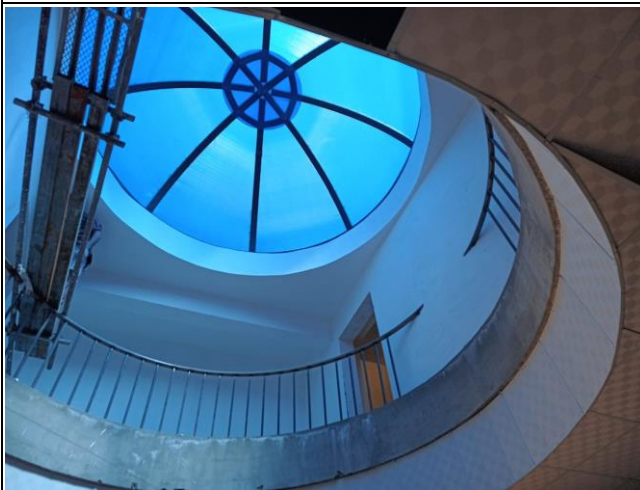
Mosque Work of Nasirabad Site 02



Road Work Nasirabad site 02



Top Veiw of Mosque Nasirabad site 02



Office Building, Stairs, dome paint works



Project Office Dasu HPP



Residene cate1

APPENDIX B

The Envisaged Man Months

APPENDIX C

Submission of Deliverables

Appendix C: Submission of Deliverables

Date	Subject
01.06.22	Interim Payment Certificate No. 01 (Advance Payment)
01.06.22	Interim Management Cost Claim for Social Insurances of Chinese Staff - Project Manager's Assessment (C)
02.06.22	Revised Design Proposal for KKH-02 (Rev 2) from K25+200 to K 62+213.
06.06.22	LADP Monthly Progress Report No. 38 for the Month of May, 2022
07.06.22	Handing Over of Bids
07.06.22	Interim Payment Certificate No. 6
08.06.22	29th Environmental Progress Report for the Period from January to March 2022
08.06.22	Submission of Feasibility Report for Supply of Classrooms Furniture for Schools in Upper Kohistan
14.06.22	Handing Over of Contract Documents
14.06.22	V0-012 - Supplying and Installation of Joint Filler and Backing Rod in Expansion Joints of Project Colony Building
14.06.22	V0-011 -Supplying and Installation of False Ceiling (Gypsum Board) in Project Office Building Complete in all Respect
21.06.22	Interim Payment Certificate No.27-Advance Payment Certificate Against Variation Order NO.KKH-01-VO-005
22.06.22	Referrral No.2-Provision of power Supply (Dispute No.3)
22.06.22	LADP-Procurement of Two (02) No. Vehicles (To be Converted into Ambulances-Bid Evaluation Report
24.06.22	MPR No.94 for the Month of May 2022 under Assignment-B
26.06.22	Interim Payment Certificate No.9.LBRV-12
28.06.22	LADP-Bid Evaluation Report
29.06.22	LADP-Bid Evaluation Report
29.06.22	LADP-Bid Evaluation Report

APPENDIX D

List of Meetings

Appendix D: List of Meetings

Date	Meeting With	Place	Subject
20.06.22	WAPDA DHC CCECC	DHC Meeting Room	Monthly OHS Progress Review Meeting for KKH-01
25.06.22	DHC KGL	DHC Meeting Room	Minutes of Meeting Regarding Completion of Design and Contractors Compliance with Environmental Social Health & Safety (ESHS) Contractual Requirement.LADP-SA-0
27.06.22	DHC KGL	DHC Meeting Room	Minutes of Meeting Regarding Contractors Compliance with Safety Requirements.SA-01
20.06.22	WAPDA DHC ZEGL	DHC Meeting Room	Monthly OHS Progress Review Meeting for LBRV-11&12
20.06.22	WAPDA DHC CGGC	DHC Meeting Room	Monthly OHS Progress Review Meeting for MW-01 & MW-02
20.06.22	WAPDA DHC CGICOP	DHC Meeting Room	Monthly OHS Progress Review Meeting for PCI-01R
20.06.22	WAPDA DHC CCECC	DHC Meeting Room	Monthly OHS Progress Review Meeting for RAR-01
01.06.22	WAPDA DHC PCCC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting
20.06.22	WAPDA DHC PCCC	DHC Meeting Room	Monthly OHS Progress Review Meeting TL-01
29.06.22	WAPDA DHC PCCC	DHC Meeting Room	Meeting on Tampering of Erected Towers.TL-01
21.06.22	DHC CGGC	DHC Meeting Room	Minutes of Meeting MW-02
11.06.22	DHC CGICOP	CGICOP Site Office	Progress Review Minutes of Meeting Held Dated 11 June 2022.PCI-01R
19.06.22	DHC CGICOP	CGICOP Site Office	Progress Review Minutes of Meeting Held Dated 19 June 2022.PCI-01R
27.06.22	WAPDA DHC CGICOP	CGICOP Site Office	Progress Review Minutes of meeting held dated 27 th June 2022.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.	02.06.22	GM/PD/DHPP/Dir(C)/6B(CS)/3338-44	Request for Approval of Mr. Yasir Iqbal for the position of Sr Site/Design Engineer (Infrastructure-2, PH Control Build) (L24) As a Replacement of Mr. Saqib Mir	
2.	10.06.22	GM/PD/Dasu HPP/Accts/3478-81	Release of Payments of Reimbursable Invoice No. 90 for Jan.2022 and Remuneration Invoice No. 92 for March 2022	
3.	13.06.22	GM/PD/DHPP/Dir(C)/6B(CS)/33511-16	Request for Promotion of Mr. Ghulam Nabi from Position Jr Site Engineer (Infrastructure-1, RAR-01 and Roads) (L25) to Sr Site Engineer (KKH-01, Tunnel) (NP19)	
4.	13.06.22	GM/PD/DHPP/Dir(C)/6B(CS)/3338-44	Request for Approval of Mr. Kashan Arshad Against Vacant Position of Sr Site Engineer (Road-A) (KKH-02) L65	
5.	13.06.22	GM/PD/DHPP/Dir(C)/6B(CS)/3523-28	Request for Approval of Mr. Muhammad Saleem for the Position of Jr. Site Engineer (Dam-3)L4 as a Replacement of Mr. Imran Khan	
6.	17.06.22	GM/PD/Dasu HPP/Accts/3610-13	150 Meters Rotary Drilling Work Require for Sub soil Investigations	
7.	24.06.22	GM/PD/DHPP/Dir(C)/6B(CS)/3704-07	Request for Transfer of Field Man-Months (MMs) to Home MMs for Nippon Koei (NK)expatriates	
8.	30.06.22	GM/PD/Dasu HPP/Accts/2062	Release of Payments of Remuneration Invoice No. 93 for April 2022	
Dasu Office				
9.	02.06.22	GM/PD/DHPP/Security/E-7/4093-95	Request for Construction of Check Post at Kaiga	
10.	04.6.22	GM/PD/DHPP/ADMIN/A-19/8085-87	Instructional Visit of 167th Junior Management Course to DHPP	
11.	06.06.22	GM/PD/DHPP/SS/S&R/E-28/5022	Mr.Hajat Khan Case FIR No.97 Dated 28.05.22	
12.	08.06.22	PD/DHPP/DG/S&R/E-18/5041-42	Quotation for Procurement of Two No. Vehicles to be Converted into Ambulances	
13.	09.06.22	GM/PD/DHPP/Security/804-805	Security Audit of All Foreigner Residential Camps Installations	
14.	09.06.22	GM/PD/DHPP/Security/80-801	Outstation Movement of Expatriates for the Month of June, 2022	
15.	09.06.22	PD/DHPP/DG(SS)/E-7/5-4	Security Arrangements for the travelling of Team of Ms DHC	
16.	09.06.22	GM/PD/DHPP/Security/802-803	SOPs Violation Security Protocol	
17.	09.6.22	GM/PD/DHPP/ADMIN/DHC/8182	Application Mr. Jawad Ahmed	
18.	13.06.22	GM/PD/DHPP/Dir(C)/6B(CS)/3504-09	Request for Approval of Mr Takao Nakajima as Construction Technical Advisor-2 (K65-2)	
19.	13.06.22	GM/PD/DHPP/Security/819-820	Request for Security Personnel for Chinese Camps at Khushi, K-9	
20.	10.06.22	GM/PD/DHPP/ADMN/DHC/8226	Application Nadeem, Usman, Islam, Attaullah and Sirtaj Aziz	
21.	14.06.22	GM/PD/DHPP/S&D/OHS/A-90/ E43,430-33	Submission of Project Level Emergency Preparedness and Response Plan	
22.	15.06.22	PD/DHPP/SS/TMP/E37,Env435-37	Logistics and Traffic Management - Diamer Basha Dam and DHPP Project Minutes of Meeting	
23.	14.06.22	GM/PD/DHPP/Dir(C)/6B(CS)/3541-44	Request for Approval of Mr. Cemalettin Sezer Position of K21 Chief Design Engineer as Replacement Mr. Engin Gunindi	
24.	15.06.22	GM/PD/DHPP/Security/821-22	Change in Outstation Movement Plan	
25.	15.06.22	GM/PD/DHPP/Security/827-28	Outstation Movement of Expatriates	
26.	15.06.22	GM/PD/DHPP/Env/G-10/338-39	Update Environment Achievements in the Management Information System Developed by Communication Section for DHPP	
27.	16.06.22	GM/PD/DHPP/Security/829-30	Construction of Security Check Post at Kaigah	
28.	20.06.22	GM/PD/DHPP/Security/81105	Violation of SOPs Travelling Foreigners Without ESCORT form Islamabad to Dasu	
29.	20.06.22	GM/PD/DHPP/Security/836-39	Outstation Movement of Expatriates	
30.	21.06.22	GM/PD/DHPP/Admn/DHC/8453-54	Request for Appointment	
31.	21.06.22	GM/PD/DHPP/Contracts/8429-34	Dasu Progress Review Meeting Held on 17.06.22 at Islamabad	
32.	21.06.22	GM/PD/DHPP/Admn/A-22/2022/8457-64	Office Order	
33.	22.06.22	GM/PD/DHPP/Admn/A-19/8482-84	Instructional Visit of 131st Middle Management Course	
34.	28.06.22	GM/PD/DHPP/Security/845-47	Coordination Meeting - Security Move Camp Issues	
35.	28.06.22	GM/PD/DHPP/Security/848-51	Outstation Movement of Expatriates	
36.	29.06.22	GM/PD/DHPP/Security/852-57	Operational Preparedness of Private Guards Tiger Force Employed by DHC	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
37.	28.06.22	GM/PD/DHPP/Admn/DHC/8637-38	Request for Appointment	
1.2. Dasu-RAR-01				
Dasu Office				
38.	21.06.22	GM/PD/Dasu HPP/RAR-01/2022/8448-50	Application from Komila Bypass Baik Komila Residents	
1.3. Dasu-RAR-03				
Dasu Office				
39.	29.06.22	GM/PD/DHPP/Contracts/RAR-01&02/22/061/8719-22	Pre-Qualification Documents for Construction of Right Bank Access Road from Uttargah to Tangir	
1.4. Dasu-KKH-01				
Dasu Office				
40.	10.06.22	GM/PD/DHPP/Security/815-816	Stoppage of CCECC Employees and Machinery on KKH for Security Reasons	
41.	27.06.22	PD/DHPP/Contracts/Audit/03A/8615-19	Request for Reply to Audit Observations of WAPDA Internal Audit for the FY 2019-21	
42.	29.06.22	GM/PD/CE(S&D)/KKH-01/8701-05	Provision of Bulk Rates Grade 60-70 Bitumen for Price Adjustment	
1.5. Dasu-KKH-02				
Dasu Office				
43.	06.06.22	GM/PD/DHPP/Contracts/KKH-02/8098-8101	Contractors Obligation to Obtain Land for Camp Area and Other Temporary Facilities	
44.	09.06.22	GM/PD-DHPP/LA/S&R/W-100/945-49	Possession Handing Taking Over Certificates	
45.	16.06.22	GM/PD/CE(S&D)/KKH-02/83 18-20	Revised Design Proposal for KKH-02 (Rev.2) from K25+200 to K62+213	
1.6. Dasu-TL-01				
Dasu Office				
46.	03.06.22	GM/PD/Dasu HPP/TL-18/ 8019-22	Minutes of Coordination Meeting Held on 20th May 2022 at Dasu Hydropower Project , Kohistan	
47.	09.06.22	GM/PD/Dasu HPP/TL-05/818 0-81	Tempering in already Inspected Towers	
48.	16.06.22	GM/PD/Dasu HPP/TL-05/ 8312-13	Safety Wall Issue at T-204M & T-204M	
49.	16.06.22	GM/PD/Dasu HPP/TL-05/ 8310-11	Tampering in already Inspected Towers	
50.	17.06.22	GM/PD/Dasu HPP/TL-05/ 8351-53	Tampering in Inspected Erected Tower T-188A	
51.	22.06.22	GM/PD/Dasu HPP/TL-05/8470-71	Tampering in Inspected Erected Tower T-188A	
52.	22.06.22	GM/PD/Dasu HPP/TL-01/8465-66	Call for Visual Inspection of Power Transformer at Ghazi Barotha	
53.	23.06.22	GM/PD/Dasu HPP/TL-005/8494-95	Delayed Delivery of Towers at Site and Pending Procurement	
54.	28.06.22	GM/PD/Dasu HPP/TL-18/8639-43	Dasu Transmission Line Project - Observations on Protection Single Line Diagram of 765KV DHPP	
55.	28.06.22	GM/PD/Dasu HPP/TL-05/8684-86	Handing Over of Remaining 20 Meter Land Access Road of Grid Station	
1.7. Dasu-MW-01				
Dasu-Office				
56.	07.06.22	GM/PD-DHPP/MW-01/8134-35	Grant of Licenses for Crushing Plants Being Installed by Ms CGGC in Areas Thoki Uchar and Siglo	
57.	07.06.22	GM/PD-DHPP/MW-01/8133-19	Letter on the Agreement Between the Employer and the Local Landlord to Interfere with the Contractors Construction	
58.	07.06.22	GM/PD-DHPP/MW-01/8120-26	Request for the Grant of License for Installation of Crushing Plant No.2 in Thoki Uchar , Dasu	
59.	07.06.22	GM/PD-DHPP/MW-01/8127-33	Request for the Grant of License for Installation of crushing Plant in Siglo Area (Right River Bank) , Dasu Kohistan	
60.	09.06.22	GM/PD/DHPP/E-8/419-21	Request for Clarification on Payment Modalities in Respect of Royalties and Licensing Fee Payment to Mineral Development Dept KP	
61.	09.06.22	GM/PD/Dasu HPP/Accts/3433-36	Payment of Interim Payment Certificate No.28	
62.	13.06.22	GM/PD-DHPP/Contracts/MW-01/02/DB/8223-25	Amicable Settlement Agreement on the Letter of Discount	
63.	16.06.22	GM/PD/DHPP/S&D/MW-01/ 8299-8302	Maintenance of 4 No. Physical Models at HRS, Nandipur	
64.	17.06.22	GM/PD/DHPP/MW-01/ Dam-35/3616-19	Amicable Settlement Agreement on the Letter of Discount (3616-19)	
65.	24.06.22	GM/PD/DHPP/Contracts/MW-01&02/DB/116A-R1/8523-25	Contractors Request that the Employer Accepts the Dispute Boards Non-Binding Opinion on the Landslide of January 2019 for MW-01 Should also Apply to MW-02	
66.	24.06.22	GM/PD/DHPP/Contracts/MW-01/DB/116AR-1/8515-18	Dispute Board - Referral No. 01 Request for Engineers Comments on DBs Decision	
67.	24.06.22	GM/PD/DHPP/S&D/MW-01/8560-65	Maintenance of 04 No. Physical Models of DHPP for the Period of 01-07-2022 to 30-06-2023	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
68.	28.06.22	GM/PD/DHPP/Contracts/MW-01/85/8692-96	Payment of Rent of Open Land ,shed, Office Building in GBC Colony Hattian for the Period from 01.04.2022 to 30.06.2022	
1.8. Dasu-LBRV-11				
Dasu-Office				
69.	08.06.22	GM/PD//DHPP/Contracts/LBRV-11/71/8167-70	Draft Variation (VO-004) Regarding Omission of Sites Under LBRV-11	
70.	14.06.22	GM/PD//DHPP/Contracts/LBRV-11/71/8254-57	Extension of Advance Guarantee	
71.	20.06.22	PD/DHPP/Contracts/LBRV-11/71/8421-24	Draft Variation (VO-004) Regarding Omission of Sites Under LBRV-11	
1.9. Dasu-LBRV-12				
Dasu-Office				
72.	20.06.22	PD/DHPP/Contracts/LBRV-12/72/8425-28	Draft Variation (VO-002) Regarding Omission of Sites Under LBRV-12	
1.10. Dasu-PCI-01R				
Dasu office				
73.	07.06.22	GM/PD/DHPP/Colony/8102-06	Submission of Resource Loaded Programme for Project Office & Colony Residence Category-I	
74.	15.06.22	GM/PD/DHPP/S&D/8215-19	Payment of the Outstanding Amount Rs. 17,242,550 as on 30th April, 2022	
75.	20.06.22	GM/PD/DHPP/Contracts/PCI-01R/033/8389-92	Contractors Request for Re-Evaluation of Time and Cost Claims	
76.	20.06.22	GM/PD/DHPP/CE@PCI-01R/31/84808-12	Notice to Correct	
77.	25.06.22	GM/PD/DHPP/CE@PCI-01R/31/A-44/8566-69	Extension of Time and Notice to Correct	
78.	27.06.22	GM/PD/DHPP/PCI-01R/8574-77	Request for Omission of Remaining Works of Archeological Site Shatial (Rock Carving Museum)	
79.	24.06.22	GM/PD/DHPP/Contracts/PCI-01/DB/116D/8511-14	Reminder - Establishment of Dispute Board (DB)	
80.	29.06.22	GM/PD/DHPP/Contracts/PCI-01R/31/33/8723-26	Extension in Notice of Correction	
1.11. Dasu-EM-01				
Dasu-Office				
81.	20.06.22	GM/PD/DHPP/Security/835	Confirmation of Security Facilities for EM-01 Camp	
82.	27.06.22	GM/PD/DHPP/Security/840	Confirmation of Security Facilities for EM-01 Camp	
83.	23.06.22	GM/PD/Dasu HPP/TL-18/8498-8502	Minutes of Interface Meeting with WAPDA DHPP Held at WAPDA House Lahore on 10.06.22	
84.	29.06.22	GM/PD/DHPP/DD(C)/EM-01/3770-72	Employers Liability Insurance	
1.12. Dasu-RV				
Dasu-Office				
85.	01.06.22	PD/DHPP/Contracts/DASU-RV/74/7984-87	Omission of Works Relating to Non-Handed Over Sites of Contract	
1.13. Dasu-S&R				
Dasu-Office				
86.	01.06.22	GM/PD/DHPP/S&R/E-66/4092	Application Regarding Self-Managed Relocation (SMR)	
87.	01.06.22	GM/PD/DHPP/S&R/E-34/40 88-90	Notification	
88.	01.06.22	GM/PD/DHPP/S&R/E-28/40 86-87	Clarification of Bail Granted to Mr, Hajat Khan Case Fir No,97 Dated 28.05.2021	
89.	04.06.22	GM/PD/DHPP/S&R/W-106/5 006-08	Provision of Funds for Disbursement of Compensation for Built- Up Property In Respect of the Component Viz Additional Land Tailrace Area -II	
90.	06.06.22	GM/PD/DHPP/LA-S&R/W-160/ 621-23	Rectified Revenue Record in Respect of KKH-01 Additional Land	
91.	06.06.22	GM/PD/DHPP/LA-S&R/W-128/ 619-20	GIS Verification of Land Parcels of Component Bailey Bridge gumoon Looter Right Side Area-1	
92.	06.06.22	GM/PD-DHPP/LA-S&R/W-160/ 617-18	Revenue Record in Respect of the Component VIZ Crush Plant Area Kaigah	
93.	04.06.22	DHPP/Admn/AC/SMR/E-70/ 3012-17	8th Minutes of the Meeting SMR Review & Scrutiny Committee, DHPP 41 ESMR Cases of Pani Bah Affected Area	
94.	06.06.22	GM/PD-DHPP/LA-S&R/W-160/ 640-42	Tentative Cost Estimate for Land in Respect of KKH-01 Additional Land (PTB-1) (640-42)	
95.	06.06.22	GM/PD-DHPP/LA-S&R/W-160/ 631-33	Tentative Cost Estimate for Land in Respect of Kaigah Quarry-2 Adjoining	
96.	06.06.22	GM/PD-DHPP/LA-S&R/W-160/ 637-39	Tentative Cost Estimate for Land in Respect of Crush Plant Area Kaigah	
97.	06.06.22	DHPP/Admn/AC/SMR/E-70/ 5023-27	Road Schemes Stoppage of Work by Locals	
98.	06.06.22	GM/PD-DHPP/LA-S&R/W-160/ 634-36	Tentative Cost Estimate for Land in Respect of KKH-01 Additional Land (PTB-3)	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
99.	06.06.22	GM/PD-DHPP/LA-S&R/W-160/ 628-30	Tentative Cost Estimate for Land in Respect of Access Road to Resettlement Site-4 at Kuz Chuchang	
100.	07.06.22	GM/PD/DHPP/S&R/E-66/ 5039	Tentative Cost Estimate for Land in Respect of Crush Plant Area Kaigah	
101.	08.06.22	GM/PD/DHPP/S&R/2022/E-66/5040	Application Regarding Self-Managed Relocation	
102.	09.06.22	GM/PD/DHPP/LA/S&R/W-10 0/651-53	Possession Handing Taking Over Certificates	
103.	09.06.22	GM/PD/DHPP/LA/S&R/W-16/ 648-50	Assessment Report of Fruit Plants in Respect of Tailrace Outlet Additional Land Area-2	
104.	10.06.22	GM/PD/DHPP/LA/S&R/W-18/ 651-52	Assessment Report of Built-up Property for DHPP in Kass Disposal Area-1 file-3	
105.	10.06.22	GM/PD/DHPP/LA/S&R/W-18/ 653-54	Assessment Report of Built-up Property for DHPP in Kass Disposal Area-1 file-1	
106.	10.06.22	GM/PD/DHPP/LA/S&R/E-66/ 5055	Application Regarding Self-Managed Relocation	
107.	14.06.22	GM/PD/DHPP/LA/S&R/W-160/ 655-57	Additional Area Required for Temporary Facilities	
108.	14.06.22	GM/PD/DHPP/S&R/E-66/5097	Self-Explanatory Application Regarding Self-Managed Relocation	
109.	14.06.22	GM/PD/DHPP/S&R/E-34/5099	Notification Suspension of the Office Order	
110.	14.06.22	GM/PD/DHPP/2021/S&R/E-66/ 5096	Application Regarding Self-Managed Relocation	
111.	15.06.22	GM/PD/DHPP/LA/S&R/W-100/674-76	Possession Handing - Taking Over Certificates	
112.	15.06.22	GM/PD/DHPP/S&R/E- 5105	Preparation of Feasibility Report for Revamping Furniture Equipment of RHC Shatial Kohistan Upper	
113.	15.06.22	GM/PD/DHPP/S&R/E-1-5102	Employment of Locals with Contractor Working at Tailrace Component Kuz Chuchang	
114.	15.06.22	GM/PD/DHPP/S&R/E-29-5101	Submission of 29 TRP Files of Khushi Village for Payment	
115.	16.06.22	GM/PD/DHPP/LA/S&R/W-100/677-81	Handing Over of Acquired Land to the Contractor	
116.	20.06.22	GM/PD/DHPP/S&R/E-66/5139	Request for Verification & Rectification of C&W Record for the Disbursement of SMR Package	
117.	20.06.22	PD-DHPP/S&R/E-29/5140	Application Submitted by Mr. Sayed Jameel Son of Qalandar	
118.	17.06.22	GM/PD/DHPP/S&R/2022/E-66/5137	Application Regarding Self-Managed Relocation	
119.	20.06.22	GM/PD/DHPP/S&R/E-29/5141	Application Submitted by Mr. Qeemat Zar Son of Haji Qalandar	
120.	21.06.22	GM/PD/DHPP/S&R/2022/E-66/5143	Application Regarding Self - Managed Relocation (SMR)	
121.	21.06.22	GM/PD/DHPP/SS/S&R/E-28/5145	Submission of KKH-02 & RAR-02 HR Policy & Code of Conduct	
122.	21.06.22	GM/PD/DHPP/SS/S&R/E-28/5144	Workshop of all Contractors Working in DHPP	
123.	21.06.22	GM/PD/DHPP/E34/5152	Development of Chuchang Resettlement Village -01	
124.	23.06.22	GM/PD/DHPP/LA/S&R/W-160/695-97	Rectified Revenue Record in Respect of Crush Plant Kaigah area	
125.	23.06.22	GM/PD/DHPP/LA/S&R/W-20/692-94	Rectified Revenue Record in Respect of Kaigah Quarry-2 (Adjoining Area)	
126.	23.06.22	GM/PD/DHPP/S&R/E-66/5153	Application Regarding Self-Managed Relocation	
127.	23.06.22	GM/PD-DHPP/S&R/E-43/2022/5158	Revised Implementation Plan of Downstream Impacts Management of DHPP for Review	
128.	24.06.22	GM/PD/DHPP/Contracts/S&R/141/85-45-47	Eligibility Criteria for Entitlement of E.S.M.R Package	
129.	25.06.22	GM/PD/DHPP/S&R/E-66/5162	Categorization of ESMR Claims	
130.	29.06.22	GM/PD/DHPP/S&R/E-66/5174	Request for Clarification Guidance	
131.	30.06.22	GM/PD/DHPP/S&R/E-45177	Application Received by Minister for Water Resources During Visit of DHPP on 12.06.22	
132.	29.06.22	PD/DHPP/S&R/E-29/5171	Request for Provision of ESMR Paid tries for Payment of Applicable Project Allowance of AHHS	
133.	29.06.22	GM/PD/DHPP/S&R/E-66/5172	Application Regarding Self-Managed Relocation	
134.	30.06.22	PD/DHPP/LA-S&R/W-100/707-10	Possession Handing Taking Over Certificate	
135.	30.06.22	PD-DHPP/S&R/E-70/5181	Request for Provision of ESMR Paid Files for Payment of Applicable Project Allowances of AHHS	
1.14. Dasu-LADP				
Dasu Office				
136.	07.06.22	GM/PD/DHPP/S&R/E-34/5033 -38	Road Schemes Stoppage of Work by Locals	
137.	16.06.22	GM/PD/Dasu HPP/CW-01/ 8303-04	Testing of Transformer 200KVA	
138.	20.06.22	GM/PD/DHPP/S&R/E-34/5138	Objection Certificate NOC for Improvement of Sanitation and Sewerage System at Komila and Dasu	
139.	17.06.22	GM/PD/DHPP/S&R/E-18/5131	Purchase of Two No. Vehicles (To Be Converted in to Ambulances)	
140.	21.06.22	GM/PD/DHPP/S&R/E-34/5151	Rehabilitation and Upgradation of Drinking Water Supply Facilities In Dasu , Jalkot and Teyal	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
141.	22.06.22	GM/PD/DHPP/DG/S&R/E-34/5154-55	Sanitation and Sewerage System for Komila and Dasu Safety Issues	
142.	24.06.22	GM/PD/DHPP/S&R/E_34/5161	Implementation of Sanitation & Sewerage System for Komila and Dasu Social Issues and Community Safety (5161)	
143.	25.06.22	GM/PD/DHPP/S&R/E-34/5163	Right of Way (Row) of KKH Required for Implementation of Sanitation and Sewerage System at Komila and Dasu	
144.	30.06.22	GM/PD/DHPP/S&R/E-34/5187	No Objection Certificate (NOC) for Improvement of Sanitation and Sewerage System at Komila and Dasu	
2. From Contractors				
2.1. Dasu-RAR-01				
Dasu Office				
145.	01.06.22	CCECC/PAK/DASUFILED/RAR-01/HSE/22-035	OHS KPI , May 2022	
146.	03.06.22	CCECC/PAK/DASUFILED/RAR-01/22-WR-048	Submission of Weekly Progress Reports	
147.	04.06.22	CCECC/PAK/DASUFILED/RAR-01/22-048	Interruption of Excavation Works at Komila Bypass at (K2+200) Due to Existence of Locals House	
148.	04.06.22	CCECC/PAK/DASUFILED/RAR-01/22-049	Road Marking Works Affected Due to Excavation Activities by CGGC at RAR-01	
149.	05.06.22	CCECC/PAK/DASUFILED/RAR-01/HSE/22-036	List of Expatriate & National Staff Workers	
150.	11.06.22	CCECC/PAK/DASUFILED/RAR-01/22-051	Non-Availability of Bulk Supply of Diesel Fuel for Works	
151.	17.06.22	CCECC/PAK/DASUFILED/RAR-01/22-WR-022	Submission of Weekly Progress Reports (i.e.3-06-2022 to 15-06-2022)	
152.	21.06.22	CCECC/PAK/DASUFILED/RAR-01/22-052	Submission of Interim Payment Application -IPA No.31	
153.	24.06.22	CCECC/PAK/DASUFILED/RAR-01/22-053	Stoppage of the Excavation Work by Local People at Komila bypass at K2+030, K2+160, K2+190	
154.	24.06.22	CCECC/PAK/DASUFILED/RAR-01/22-054	Possibilities of Damage to Locals house Adjacent to ROW of Komila bypass at K0+430 around	
155.	25.06.22	CCECC/PAK/DASUFILED/RAR-01/22-055	Unsolved Locals ' Houses and Water Supply Lines Issues at Different Locations at Komila Bypass	
156.	26.06.22	CCECC/PAK/DASUFILED/RAR-01/22-056	Request for Issuance of Taking over Certificate for the Section of Works from K9 to K12	
157.	26.06.22	CCECC/PAK/DASUFILED/RAR-01/22-WR-023	Submission of Weekly Progress Reports (16-06-22 to 22-06-22)	
2.2. Dasu-RAR-02				
Dasu-Office				
158.	01.06.22	CGGC/RAR-02/TD/DHC-309	Submission of Kandia River Bridge Geotechnical Investigation Work Plan (RAR-02)	
159.	05.06.22	CGGC/RAR-02/HRD/DHC-310	Submission of Staff Information List	
160.	06.06.22	CGGC/RAR-02/ED/DHC-311	Blasting Plan in Next Week of RAR-02	
161.	07.06.22	CGGC/RAR-02/TD/DHC-312	Submission of Proposal Change of K13+200-K14+400 of RAR-02	
162.	08.06.22	CGGC/RAR-02/TD/DHC-313	Submission of Proposal of RAR-02 Road Construction Heavy Machinery Transportation at K47+900	
163.	08.06.22	CGGC/RAR-02/HSED/DHC-314	List of OHS Staff with Area of Responsibility	
164.	07.06.22	CGGC/RAR-02/HSED/DHC-315	Weekly Progress Report of RAR-02 (2022.05.30-2022.06.05)	
165.	08.06.22	CGGC/RAR-02/ED/DHC-316	Report on the Delay in Land Handover	
166.	13.06.22	CGGC/RAR-02/ED/DHC-317	Blasting Plan in Next Week of RAR-02 (2022.06.13-2022.06.19)	
167.	15.06.22	CGGC/RAR-02/CD/DHC-318	IED Blast Incident on 14 July 2021	
168.	15.06.22	CGGC/RAR-02/CD/DHC-319	Notice to the Claim due to the Lack of Fuel	
169.	16.06.22	CGGC/RAR-02/ED/DHC-320	Monthly Progress Report of RAR-02	
170.	16.06.22	CGGC/RAR-02/ED/DHC-321	Weekly Progress Report of RAR-02 (2022.06.06-2022.06.12)	
171.	16.06.22	CGGC/RAR-02/CD/DHC-322	Breakdown of the Drilling Equipment Unit Price	
172.	18.06.22	CGGC/RAR-02/HRD/DHC-324	Delegation of Power as RAR-02 Project Manager.RAR-02	
173.	16.06.22	CGGC/RAR-02/HSED/DHC-323	Revised OHSMP for RAR-02	
174.	20.06.22	CGGC/RAR-02/HSED/DHC-325	Blasting Plan In Next Week of RAR-02	
175.	22.06.22	CGGC/RAR-02/HSED/DHC-326	Weekly Progress Report of RAR-02	
176.	27.06.22	CGGC/RAR-02/ED/DHC-327	Blasting Plan in Next of RAR-02 (2022.06.27-2022.07.03)	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
177.	29.06.22	CGGC/RAR-02/ED/DHC-328	Weekly Progress Report of RAR-02 (2022.06.20-2022.06.2	
178.	30.06.22	CGGC/RAR-02/CD/DHC-329	Notice to the Claim on the Finance Bill 2022-23	
2.3. Dasu-KKH-01				
Dasu Office				
179.	01.06.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-064	OSH KPI May 2022	
180.	02.06.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-065	-Lists of Expatriate and National Staff -Employees -Workers (065)	
181.	02-06-22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-066	02.06.22-2292-Fortnightly Explosive Record 16-31 May 2022 (066)	
182.	06-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-046	Request for Employers Letter to Attock Petroleum for Provision of Bitumen Grade 60-70 Bulk Rate for the Purpose of Price Adjustment	
183.	07-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-047	Resubmission of Request for Additional Land Acquisition for Road & Tunnel and Bridges at KKH-01	
184.	08.06.22	CCECC/PAK/DASUFIELD/KKH-01&RAR-01/22-002	Testing of Cement & Fly Ash	
185.	08.06.22	CCECC/PAK/DASUFIELD/KKH-01&RAR-01/22-003	Testing of Cement & Fly Ash	
186.	08.06.22	CCECC/PAK/DASUFIELD/KKH-01&RAR-01/22-004	Petrographic Analysis of Coarse Aggregate	
187.	08.06.22	CCECC/PAK/DASUFIELD/KKH-01&RAR-01/22-005	Testing of Admixture	
188.	08-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-048	Third Party Testing of Cement Fly Ash Aggregate (Fine & Coarse), Admixture (Sika & Basf) Water, and Visit to Longman Industrial Sale	
189.	10-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-049	Submission of Quotation Breakdown for Slope Protection at Start Point	
190.	10-06-22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-068	Frequent Stoppage of Existing KKH at different Locations by CGGC	
191.	11-06-22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-069	Request for Security Personnel for Chinese Camps at Khushe, K-9	
192.	08.06.22	CCECC/PAK/DASUFIELD/KKH-01&RAR-01/22-006	Testing of Steel Bars	
193.	11-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-050	Non-Availability of Bulk Supply of Diesel Fuel for Works	
194.	13-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-051	VO-005 Tunnel and Bridge Variation Order - Request for Approval of Analysis of the New Weightages for Price Adjustment Formula	
195.	16-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-052	Submission of Revised Construction Drawings for K4 Tunnel	
196.	16-06-22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-070	Fortnightly Explosive Record, 01-15 June 2022	
197.	17-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-053	Submission of Interim Payment Application IPA No.26	
198.	18-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-056	VO-005 Tunnel and Bridge Variation Order Submission of Bank Guarantees.KKH-01	
199.	18-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-054	Notice of Submission and Request for Early Approval of Shop Drawings for Logro A Tunnel.KKH-01	
200.	19-06-22	CCECC/PAK/DASUFIELD/KKH-01/22-057	VO-005 Tunnels and Bridge Variation Order - Application for Payment of Mobilization Advance.KKH-01	
201.	20.06.22	CCECC/PAK/DASUFIELD/KKH-01/WR-22-270	Submission of Weekly Progress Report 16th Apr to 29th Apr 22	
202.	20.06.22	CCECC/PAK/DASUFIELD/KKH-01/WR-22-271	Submission of Weekly Progress Report 30th April to 13th May 22	
203.	20.06.22	CCECC/PAK/DASUFIELD/KKH-01/WR-22-272	Submission of Weekly Progress Report 14th May to 27th May 22)	
204.	20.06.22	CCECC/PAK/DASUFIELD/KKH-01/WR-22-273	Submission of Weekly Progress Report	
205.	24.06.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-072	Present Employees List along With Police Clearance Certificates	
206.	25.06.22	CCECC/PAK/DASUFIELD/KKH-01/22-058	Submission of Method Statement for Dasu -02 (K4) and Logro - A (K9) Tunnel for Review and Approval	
207.	25.06.22	CCECC/PAK/DASUFIELD/KKH-01/22-059	Delay Caused by the Engineer's Assistant in the Source Approval of Material for Tunnels	
208.	27.06.22	CCECC/PAK/DASUFIELD/KKH-01/22-060	Request for Information - Resettlement and Access Road Plans of DHPP	
209.	27.06.22	CCECC/PAK/DASUFIELD/KKH-01/22-061	Construction of a Second Explosive Magazine for KKH-01	
210.	28.06.22	CCECC/PAK/DASUFIELD/KKH-01/WR-22-274	Submission of Weekly Progress Report (11th June to 24th June, 2022)	
211.	28.06.22	CCECC/PAK/DASUFIELD/KKH-01/22-062	Submission of Contemporary Record w.r.t 15th Interim Claim from 1st April 2021 to 30th June 2021 on Account of Claim No.C1-C4 for Delayed Land Possession	
2.4. Dasu-KKH-02				
Dasu Office				
212.	01.06.22	CGGC/KKH-02/CD/DHC-146	Notice of Claim - the Employer Fails to Hand Over All Lands Required for KKH-02	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
213.	01.06.22	CGGC/KKH-02/ED/DHC-147	Weekly Progress Report KKH-02	
214.	01.06.22	CGGC/KKH-02/TD/DHC-148	Construction Duration of KKH-02	
215.	01.06.22	CGGC/KKH-02/TD/DHC-149	Time for Completion of Road Section of RD25+000 - RD30+770	
216.	03.06.22	CGGC/KKH-02/TD/DHC-150	Request to Acquire the Land for Spoil Dumping Site of KKH-02	
217.	05.06.22	CGGC/KKH-02/HRD/DHC-151	Submission of Staff Information List	
218.	06.06.22	CGGC/KKH-02/ED/DHC-152	Blasting Plan in Next Week of KKH-02	
219.	06.06.22	CGGC/KKH-02/ED/DHC-153	Weekly Progress Report (2022.05.30-2022.06.05)	
220.	07.06.22	CGGC/KKH-02/ED/DHC-154	The Reply to Kaigah Access Road Construction	
221.	07.06.22	CGGC/KKH-02/CD/DHC-155	The Sources of Price Adjustment Index for Foreign Currencies	
222.	08.06.22	CGGC/KKH-02/CD/DHC-156	The Reply to Construction Duration of KKH-02	
223.	06.06.22	CGGC/KKH-02/ED/DHC-157	Report on the Delay in Land Handover	
224.	09.06.22	CGGC/KKH-02/ED/DHC-158	Submission of Layout Plan for Barracks at Kaigah Camp	
225.	13.06.22	CGGC/KKH-02/ED/DHC-159	Blasting Plan in Next Week of KKH-02	
226.	14.06.22	CGGC/KKH-02/ED/DHC-160	Submission of Layout Plan for Checkpoint at at Kaigha	
227.	13.06.22	CGGC/KKH-02/ED/DHC-161	Weekly Progress Report (2022.06.06-2022.06.12)	
228.	13.06.22	CGGC/KKH-02/ED/DHC-162	Report of Work Hindrance on K28+800 Access Road	
229.	15.06.22	CGGC/KKH-02/ED/DHC-163	Monthly Progress Report of KKH-02	
230.	15.06.22	CGGC/KKH-02/CD/DHC-166	Notice to the Claim due to the Lack of Fuel	
231.	16.06.22	CGGC/KKH-02/HSED/DHC-164	Submission of Revised Construction Environment Action Plan (CEAP) for KKH-02	
232.	16.06.22	CGGC/KKH-02/HSED/DHC-165	Submission of Revised Occupational Health and Safety Management Plan for KKH-02	
233.	16.06.22	CGGC/KKH-02/TD/DHC-167	Submission of Contract Programme of KKH-02	
234.	16.06.22	CGGC/KKH-02/HSED/DHC-168	Revised OHSMP for KKH-02	
235.	16.06.22	CGGC/KKH-02/ED/DHC-169	Confirmation for the Engineers Oral Instructions.KKH-02	
236.	20.06.22	CGGC/KKH-02/ED/DHC-170	Weekly Progress Report	
237.	20.06.22	CGGC/KKH-02/ED/DHC-171	Blasting Plan In Next Week of KKH-02	
238.	20.06.22	CGGC/KKH-02/CD/DHC-172	Provision of Office Accommodation for the Engineer	
239.	22.06.22	CGGC/KKH-02/ED/DHC-173	Land Required for the Contractors Looter Camp 3	
240.	22.06.22	CGGC/KKH-02/ED/DHC-174	Request to Issue Notification of Commencement Date	
241.	22.06.22	CGGC/KKH-02/CD/DHC-175	KKH-02-C-01-Report of Land Hand Over Status	
242.	21.06.22	CGGC/KKH-02/ED/DHC-176	Request the Engineer Employer to Relocate the Residents	
243.	27.06.22	CGGC/KKH-02/ED/DHC-177	Blasting Plan in Next Week of KKH-02 (2022.06.27 - 2022.07.03)	
244.	27.06.22	CGGC/KKH-02/ED/DHC-178	Weekly Progress Report (2022.06.20 - 2022.06.26)	
245.	29.06.22	CGGC/KKH-02/ED/DHC-179	Report of Work Hindrance on K28+800 Access Road	
246.	29.06.22	CGGC/KKH-02/ED/DHC-180	Request the Engineer Employer to Relocate the Residents	
247.	30.06.22	CGGC/KKH-02/CD/DHC-181	Notice to the Claim on the Finance Bill 2022-23	
2.5. Dasu-TL-01				
Dasu Office				
248.	01.06.22	PC/Dasusite/TL-01/2022-096	Submission of Construction Schedule for Extension of Time (EOT 4)	
249.	03.06.22	PC/Dasusite/TL-01/2022-097	Recover - Adjustment of Balance Foreign Currency Component of Mobilization Advance	
250.	03.06.22	PC/Dasusite/TL-01/2022-098	Interim Management Cost Claim for the Social Insurances of Chinese Staff -Project Manager 's Assessment	
251.	04.06.22	PC/Dasusite/TL-01/2022-099	Submission of 67th Health , Safety & Environment (HSE) Report for the Month of May , 2022	
252.	05.06.22	PC/Dasusite/TL-01/2022-100	Submission of Monthly Progress Report for May 2022	
253.	06.06.22	PC/Dasusite/TL-01/2022-101	Data List of In-Migrants Pak Workforce & Daily Wagers Data for the Month of May, 2022	
254.	06.06.22	PC/Dasusite/TL-01/2022-102	Submission of List of Vehicles for the Month of May, 2022	
255.	07.06.22	PC/Dasusite/TL-01/2022-103	Delay in Concrete at Control House Building of Grid Station	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
256.	07.06.22	PC/Dasusite/TL-01/2022-104	Internal Conflict of Contractors Erection Teams	
257.	07.06.22	PC/Dasusite/TL-01/2022-105	Submission of Weekly Progress Report	
258.	14.06.22	PC/Dasusite/TL-01/2022-106	Submission of Weekly Progress Report	
259.	17.06.22	PC/Dasusite/TL-01/2022-107	Notice to Claim additional time and Cost of Grid Station Access Road	
260.	17.06.22	PC/Dasusite/TL-01/2022-108	Notice to Claim Idle Resources at Grid Station	
261.	17.06.22	PC/Dasusite/TL-01/2022-109	Call for Visual Inspection of Power Transformer at Ghazi Barotha	
262.	17.06.22	PC/Dasusite/TL-01/2022-110	Call for Visual Inspection of Power Transformer at Ghazi Barotha.TL-01	
263.	19.06.22	PC/Dasusite/TL-01/2022-111	Submission of TBT and Vehicles Inspection Record.TL-01	
264.	21.06.22	PC/Dasusite/TL-01/2022-112	Submission of Weekly Progress Report	
265.	23.06.22	PC/Dasusite/TL-01/2022-113	Request for Security Protection during Travelling	
266.	28.06.22	PC/Dasusite/TL-01/2022-114	Submission of Weekly Progress Report	
267.	28.06.22	PC/Dasusite/TL-01/2022-115	Notice for Expiry of Warranty Period of Procured Equipment	
2.6. Dasu-MW-01				
Dasu-Office				
268.	01.06.22	CGGC/MW-01/CD/WAPDA-57	Payment of Hire Charges for Helicopter Services	
269.	01.06.22	CGGC/MW-01/TD/DHC-2256	Submission of Right Bank Dam Abutment Current Situation Mapping	
270.	01.06.22	CGGC/MW-01/TD/DHC-2257	Submission of Mix Design of 30-50mm Slump Concrete (
271.	01.06.22	CGGC/MW-01/TD/DHC-2258	Reply to the Engineer's Comments on the Contractor's Testing Schedule Related to the GINI Natural Pozzolan (MW-01)	
272.	03-06-22	CGGC/MW-01/TD/DHC-2259	Submission of Summary Report of Cut -off Wall Site Test	
273.	02-06-22	CGGC/MW-01/TD/DHC-2260	Submission of Method Statement Trial Placement of RCC	
274.	01-06-22	CGGC/MW-01/TD/DHC-2261	Response to the Operation and Maintenance of Vehicles	
275.	03-06-22	CGGC/MW-01/TD/DHC-2256	Submission of Right Bank Dam Abutment Current Situation Mapping	
276.	04-06-22	CGGC/MW-01/TD/DHC-2262	Submission of Design Drawings of Plug Concrete of At1-2 and At-3 (2) of Diversion Tunnel	
277.	05-06-22	CGGC/MW-01/HRD/DHC-2263	Delegation of Power as General Project Manager	
278.	05-06-22	CGGC/MW-01/HRD/DHC-2264	Submission of staff information List	
279.	05-06-22	CGGC/MW-01/ED/WAPDA-58	Request for the Grant of License for Installation of crushing Plant in Siglo Area (Right River Bank) , Dasu Kohistan Upper for DHPP from Industries Department Government of KPK	
280.	05-06-22	CGGC/MW-01/ED/WAPDA-59	Request for the Grant of License for Installation of Crushing Plant No.2 in Thoki Uchar , Dasu Kohistan Upper for DHPP from Industries Department Government of KPK	
281.	06-06-22	CGGC/MW-01/ED/DHC-2265	Blasting Plan in Next Week of MW-01	
282.	08-06-22	CGGC/MW-01/HSED/DHC-2266	OHS Induction-Provision and Acculturation of PPEs	
283.	06-06-22	CGGC/MW-01/HSED/DHC-2267	List of OHS Staff with Area of Responsibility	
284.	07-06-22	CGGC/MW-01/ED/DHC-2268	Weekly Progress Report of MW-01 (2022.05.30-2022.06.05)	
285.	08-06-22	CGGC/MW-01/ED/DHC-2269	Report on the Delay in Land Handover	
286.	07-06-22	CGGC/MW-01/CD/DHC-2270	COVID-19 Submission of Interim Claim Direct Cost for Period 31 March 2022	
287.	09-06-22	CGGC/MW-01/ED/DHC-2271	Submission of the Test Report for Methylene Blue Index & Particle-size Analysis of Material Finer than 0.075mm in Third Party	
288.	09-06-22	CGGC/MW-01/TD/DHC-2272	Submission of the Convergence Measurements Data of MW-01 in May 2022	
289.	08-06-22	CGGC/MW-01/TD/DHC-2273	Submit Calculations and Schematic Diagram of Top Arch Pouring for Diversion Tunnel Inlet	
290.	11-06-22	CGGC/MW-01/CD/DHC-2274	Reply for Minimum Amount of Interim Payment Certificate	
291.	11-06-22	CGGC/MW-01/TD/DHC-2275	Submit Plan Layout of KASS Army Camp	
292.	12-06-22	CGGC/MW-01/ED/DHC-2276	Reply on CGGCs Employment of Local People in the Kass Region for Kass Chinese Camp	
293.	14-06-22	CGGC/MW-01/TD/DHC-2277	Submission of Research Report on Surrounding Rock Stability Analysis and Structural Calculation of Diversion Tunnels	
294.	13-06-22	CGGC/MW-01/PD/DHC-2278	Approval of Bestway HES Stallion Cement (Type III)	
295.	13-06-22	CGGC/MW-01/ED/DHC-2279	Blasting Plan in Next Week of MW-01 (2022.06.13-2022.06.19)	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
296.	14-06-22	CGGC/MW-01/CD/DHC-2280	Claim for Additional Payment for Prolongation Costs Associated with the Critical Delay to the Time for Completion and Related Disruption Costs	
297.	14-06-22	CGGC/MW-01/CD/DHC-2281	Claim for Additional Payment for the Changes in Legislation for Contract MW-01	
298.	14-06-22	CGGC/MW-01/CD/DHC-2282	Claim for Additional Payment for the Work Hindrances for Contract MW-01	
299.	14-06-22	CGGC/MW-01/CD/DHC-2283	Claim for Additional Payment for the Firing Incidence for Contract MW-01	
300.	14-06-22	CGGC/MW-01/CD/DHC-2284	Claim for Additional Payment for the Landslide for Contract MW-01	
301.	14-06-22	CGGC/MW-01/CD/DHC-2285	Claim for Additional Payment for the Illegal Industrial Action for Contract MW-01	
302.	14-06-22	CGGC/MW-01/ED/DHC-2286	Letter on Expedited Transfer of Land Area in KASS Area	
303.	14-06-22	CGGC/MW-01/TD/DHC-2287	Submission of Design Drawings of U/S Start Dam	
304.	15-06-22	CGGC/MW-01/HRD/DHC-2288	Delegation of Power as RAR-02 Project Manager	
305.	15-06-22	CGGC/MW-01/CD/DHC-2289	IED Blast Incident on 14 July 2021	
306.	15-06-22	CGGC/MW-01/CD/DHC-2290	Response to the Legal Opinion on the Provisional Sum	
307.	15-06-22	CGGC/MW-01/CD/DHC-2291	Notice to the Claim due to the Lack of Fuel	
308.	16-06-22	CGGC/MW-01/ED/DHC-2292	Monthly Progress Report of MW-01	
309.	16-06-22	CGGC/MW-01/ED/DHC-2293	Weekly Progress Report of MW-01 (2022.06.06-2022.06.12)	
310.	16-06-22	CGGC/MW-01/HSED/DHC-2294	Revised OHSMP for MW-01	
311.	18-06-22	CGGC/MW-01/HSED/DHC-2295	Incident Investigation Report MW-01	
312.	19-06-22	CGGC/MW-01/HR/DHC-2296	Letter Regarding Mr.Jawad Khans Return to Work.MW-01	
313.	20.06.22	CGGC/MW-01/TD/DHC-2297	Submission of Design Documents of Cable Crane (Revision 6)	
314.	21.06.22	CGGC/MW-01/TD/DHC-2298	Rock and Aggregate Petrographic Analysis and Alkali - Silica Reactivity MW-01	
315.	19.06.22	CGGC/MW-01/CD/DHC-2299	Submission of the Statement Application for IPC 30 of MW-01	
316.	20.06.22	CGGC/MW-01/ED/DHC-2300	Blasting Plan In Next Week of MW-01	
317.	22.06.22	CGGC/MW-01/ED/DHC-2288	Weekly Progress Report of MW-01	
318.	24.06.22	CGGC/MW-01/PD/DHC-2301	Approval of Dewan Cement	
319.	26.06.22	CGGC/MW-01/TD/DHC-2302	Technical Proposal for Expedite the Progress of Left Bank Traffic Diversion Tunnel	
320.	27.06.22	CGGC/MW-01/TD/DHC-2303	Blasting Plan in Next Week of MW-01 (2022.06.27-2022.07.03)	
321.	27.06.22	CGGC/MW-01/HRD/DHC-2304	Reply on the Engineers Comments of Rehiring of Four Pakistani Employees	
322.	24.06.22	CGGC/MW-01/HRD/DHC-2305	Insufficient Aggregate affects Construction Progress	
323.	28.06.22	CGGC/MW-01/HRD/DHC-2306	Reply of Employment of Local People	
324.	28.06.22	CGGC/MW-01/TD/DHC-2308	Submission of A25 (30-50mm) Slump Concrete Mix Design	
325.	29.06.22	CGGC/MW-01/TD/DHC-2309	Weekly Progress Report of MW-01 (2022.06.20-2022.06.26)	
326.	27.06.22	CGGC/MW-01/TD/DHC-2310	Submission of Method Statement of Consolidation Grouting and Cavity Grouting for Diversion Tunnel Plugging	
327.	29.06.22	CGGC/MW-01/TD/DHC-2307	Submission of Method Statement of Concrete Lining of the Diversion Tunnel Inlet Top Arch	
328.	29.06.22	CGGC/MW-01/TD/DHC-2312	Proposal for Design of Diversion Tunnel Hoist Tower and Decks	
329.	30.06.22	CGGC/MW-01/TD/DHC-2313	Notice to the Claim on the Finance Bill 2022-23	
2.7. Dasu-MW-02				
Dasu-Office				
330.	01-06-22	CGGC/MW-02/TD/DHC-1585	Submission of Blasting Design of Water Intake for Blasting Trial	
331.	02-06-22	CGGC/MW-02/TD/DHC-1586	Support Works for Powerhouse Sta .0+241.0	
332.	01-06-22	CGGC/MW-02/GD/DHC-1587	Response to the Operation and Maintenance of Vehicles	
333.	05-06-22	CGGC/MW-02/HRD/DHC-1588	Submission of staff information List	
334.	06-06-22	CGGC/MW-02/ED/DHC-1589	Blasting Plan of MW-02	
335.	07-06-22	CGGC/MW-02/TD/DHC-1590	Submission of Steel-lined Penstock Manifold Tunnel-04 Crown and Wall Geological Mapping from Sta 0+005.6 to Sta 0+021.4	
336.	08-06-22	CGGC/MW-02/HSED/DHC-1591	OHS Induction-Provision and Acculturation of PPEs	
337.	08-06-22	CGGC/MW-02/HSED/DHC-1592	List of OHS Staff with Area of Responsibility	
338.	07-06-22	CGGC/MW-02/ED/DHC-1593	Weekly Progress Report of MW-02 (2022.05.30-2022.06.05)	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
339.	08-06-22	CGGC/MW-02/ED/DHC-1594	Report on the Delay in Land Handover	
340.	07-06-22	CGGC/MW-02/TD/DHC-1595	COVID-19 Submission of Interim Claim Direct Cost for Period 31 March 2022	
341.	08-06-22	CGGC/MW-02/TD/DHC-1596	Submission of the Convergence Measurements Data of MW-02 in May 2022	
342.	09-06-22	CGGC/MW-02/TD/DHC-1597	Submission of the Construction Temporary Bridge Crane	
343.	11-06-22	CGGC/MW-02/CD/DHC-1598	Reply for Minimum Amount of Interim Payment Certificate	
344.	12-06-22	CGGC/MW-02/TD/DHC-1599	Submission of Interim Report for The Plate Load Test	
345.	13-06-22	CGGC/MW-02/PD/DHC-1600	Approval of Bestway HES Stallion Cement (Type III)	
346.	13-06-22	CGGC/MW-02/ED/DHC-1601	Blasting Plan of MW-02	
347.	14-06-22	CGGC/MW-02/CD/DHC-1602	Claim for Additional Payment for the Consequences of the LNG Truck Incident In 2019 Contract MW-02	
348.	14-06-22	CGGC/MW-02/CD/DHC-1603	Claim for Additional Payment for Prolongation Costs Associated with the Critical Delay to the Time for Completion and Related Disruption Costs	
349.	14-06-22	CGGC/MW-02/CD/DHC-1604	Claim for Additional Payment for the Changes in Legislation for Contract MW-02	
350.	14-06-22	CGGC/MW-02/CD/DHC-1605	Claim for Additional Payment for the Work Hindrances for Contract MW-02	
351.	14-06-22	CGGC/MW-02/CD/DHC-1606	Claim for Additional Payment for the Firing Incidence for Contract MW-02	
352.	14-06-22	CGGC/MW-02/CD/DHC-1607	Claim for Additional Payment for the Landslide for Contract MW-02	
353.	14-06-22	CGGC/MW-02/CD/DHC-1608	Claim for Additional Payment for the Landslide for Contract MW-02	
354.	14-06-22	CGGC/MW-02/ED/DHC-1609	Reply to Kass Magazine Right Bank Erosion Prevention Procedure towards Rock Protection	
355.	15-06-22	CGGC/MW-02/CD/DHC-1610	IED Blast Incident on 14 July 2021	
356.	15-06-22	CGGC/MW-02/CD/DHC-1611	Response to the Legal Opinion on the Provisional Sum	
357.	14-06-22	CGGC/MW-02/CD/DHC-1612	15.06.22-2520-Response to the Legal Opinion on the Provisional Sum (1611)	
358.	15-06-22	CGGC/MW-02/CD/DHC-1613	Notice to the Claim due to the Lack of Fuel	
359.	15-06-22	CGGC/MW-02/ED/DHC-1614	Monthly Progress Report of MW-02	
360.	16-06-22	CGGC/MW-02/ED/DHC-1615	Weekly Progress Report of MW-02 (2022.06.06-2022.06.12)	
361.	18-06-22	CGGC/MW-02/HSED/DHC-1616	Initial Incident Report MW-02	
362.	18-06-22	CGGC/MW-02/HSED/DHC-1617	Initial Incident Report MW-02	
363.	16-06-22	CGGC/MW-02/HSED/DHC-1618	Revised OHSMP for MW-02	
364.	18-06-22	CGGC/MW-02/QA/QC/DHC-1619	Incident of the Engineer Attacking Chinese Quality Inspector MW-02	
365.	18.06.22	CGGC/MW-02/TD/DHC-1620	Issuance of Pending Drawings of Switchyard	
366.	21.06.22	CGGC/MW-02/TD/DHC-1621	Rock and Aggregate petrographic Analysis and Alkali - Silica Reactivity MW-02	
367.	20.06.22	CGGC/MW-02/TD/DHC-1622	Submission of Method Statement for Intake Structure Above EL961.6 Excavation and Support (D3)	
368.	19.06.22	CGGC/MW-02/CD/DHC-1623	Submission of the Statement Application for IPC 30 of MW-02	
369.	20.06.22	CGGC/MW-02/ED/DHC-1624	Blasting Plan of MW-02	
370.	21.06.22	CGGC/MW-02/TD/DHC-1625	Submission of the Proposal of Adjustment the Size of the Steel Plate for Tensioned Rock Bolts	
371.	22.06.22	CGGC/MW-02/TD/DHC-1626	Powerhouse Geological Mapping from Sta .0+000 to Sta.0+241	
372.	22.06.22	CGGC/MW-02/ED/DHC-1627	Weekly Progress Report of MW-02	
373.	23.06.22	CGGC/MW-02/HRD/DHC-1628	Delegation of Power as Deputy General Manager	
374.	24.06.22	CGGC/MW-02/TD/DHC-1629	GIS Access Tunnel Geological Mapping from Sta.0+000 to Sta.0+120	
375.	24.06.22	CGGC/MW-02/TD/DHC-1630	Approval of Dewan Cement	
376.	24.06.22	CGGC/MW-02/TD/DHC-1631	Response to the Protective Matter Above CR-9 Mat Portal and LBTT Ds Portal Below the Switchyard	
377.	24.06.22	CGGC/MW-02/TD/DHC-1632	Submission of Calculation and Drawing of PS Tendon	
378.	25.6.22	CGGC/MW-02/CD/DHC-1633	Notification of Claim - Geological Defects of No.2 Lower Pressure Tunnels	
379.	26.06.22	CGGC/MW-02/ED/DHC-1634	Reply on Tailrace CT2 Traffic Management and Control Plan	
380.	26.06.22	CGGC/MW-02/TD/DHC-1635	Submission of the Proposal of Reinforcement Support for 2 # Penstock Adit Tunnel and 2 # Lower Pressure Tunnel	
381.	27.06.22	CGGC/MW-02/ED/DHC-1636	Blasting Plan of MW-02	
382.	27.06.22	CGGC/MW-02/ED/DHC-1637	Insufficient Aggregate Affects Construction Progress	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
383.	28.06.22	CGGC/MW-02/ED/DHC-1638	Reply of Employment of Local People	
384.	28.06.22	CGGC/MW-02/TD/DHC-1639	Submission of A25 (30-50mm) Slump Concrete Mix Design	
385.	28.06.22	CGGC/MW-02/TD/DHC-1640	Proposed Ventilation for Underground Powerhouse	
386.	29.06.22	CGGC/MW-02/ED/DHC-1641	Weekly Progress Report of MW-02 (2022.06.20-2022.06.26)	
387.	30.06.22	CGGC/MW-02/TD/DHC-1642	Confirm Anchorage Length of PS Tendons Above EL.772.5 in Transformer Cavern	
388.	30.06.22	CGGC/MW-02/TD/DHC-1644	Notice to the Claim on the Finance Bill 2022-23	
2.8. Dasu-LBRV-11				
Dasu-Office				
389.	02.06.22	ZEG/DHC/LBRV-11/22-58	Submission of Fifteenth Interim Idle Cost Claim due to Disruption Works Stoppage by Local Community at Khoshe Site -2 Link -2	
390.	05.06.22	ZEG/DHC/LBRV-11/22-59	Provision of Updated Staff List	
391.	06.06.22	ZEG/DHC/LBRV-11/22-60	Submission of Cost Claim on Account of Inflation due to Prolonged Delay	
392.	07.06.22	ZEG/DHC/LBRV-11/22-61	Provision of Updated Programme Schedule for Remaining Works	
393.	08.06.22	ZEG/DHC/LBRV-11/22-62	Health Safety & Environment Monthly Monitoring Report	
2.9. Dasu-LBRV-12				
Dasu-Office				
394.	07.06.22	ZEG/DHC/LBRV-12/22-19	Provision of Updated Programme Schedule for Remaining Works	
395.	28.06.22	ZEGL/WAPDA/LBRV-12/22-04	Request for Payment of IPC No.09	
2.11. PCI-01R				
Dasu- Office				
396.	02.06.22	CGICOP-Dasu-PCI-01R-PO-1452	Submission of Spill Incident Report PIC-01R	
397.	02.06.22	CGICOP-Dasu-PCI-01R-PO-1453	Submission of Monthly Environmental Report May 2022	
398.	04.06.22	CGICOP-Dasu-PCI-01R-PO-1454	Colony Water Supply System Submission of Sample Water Connection Assembly (Ferrule)	
399.	05.06.22	CGICOP-Dasu-PCI-01R-PO-1455	Request for Approval of VO# 26 Under GCC Clause 13.1 for Replacement of Tube Lights With Led Ceiling Lights in Project Offices Building	
400.	05.06.22	CGICOP-Dasu-PCI-01R-PO-1456	Colony Water Supply System Submission of Sample Water Connection Assembly Ferrule	
401.	05.06.22	CGICOP-Dasu-PCI-01R-PO-1457	Request for Data Sheet Approval of Sluice Valve, Air Valve & Fire Hydrant	
402.	07.06.22	CGICOP-Dasu-PCI-01R-PO-1458	Submission of Data Sheet - Fire Hydrant	
403.	08.06.22	CGICOP-Dasu-PCI-01R-PO-1459	Resumption of Pipeline Works at Uchar Water Supply	
404.	09.06.22	CGICOP-Dasu-PCI-01R-PO-1460	Submission of Interim Payment Application No 31	
405.	10.06.22	CGICOP-Dasu-PCI-01R-PO-1461	Submission of 5th Quarter Environment Monitoring Plan	
406.	10.06.22	CGICOP-Dasu-PCI-01R-PO-1462	Request for Replacement of Field Inspector Mr Muhammad Nawab Zada	
407.	10.06.22	CGICOP-Dasu-PCI-01R-PO-1463	Visit for Wood Source (Besham & Fateh Jhang)	
408.	13.06.22	CGICOP-Dasu-PCI-01R-PO-1464	Resumption of Price Adjustment Indices after Approval of EOT	
409.	14.06.22	CGICOP-Dasu-PCI-01R-PO-1465	Monthly Progress Report for the Monthly of May, 2022 (1465)	
410.	15.06.22	CGICOP-Dasu-PCI-01R-PO-1466	Reply for Approval Ethernet & Network Data Switches Brand	
411.	15.06.22	CGICOP-Dasu-PCI-01R-PO-1467	Monthly Report for May 2022 of BHC	
412.	16.06.22	CGICOP-Dasu-PCI-01R-PO-1468	Submission of additional Cost & Time (VO#28) for additional Work Carried Out under Engineers Instruction for Supply & Application of 1 Coat Primer	
413.	19.06.22	CGICOP-Dasu-PCI-01R-PO-1469	Delay in Construction of External Electrification Work .PCI-01R	
414.	21.06.22	CGICOP-Dasu-PCI-01R-PO-1470	Breakdown of Lump Sum BOQ Item # 14 of Bill -1 .3	
415.	21.06.22	CGICOP-Dasu-PCI-01R-PO-1471	Delay In Provision of Design , Cable Trench Route Method of Laying Cable & Location of Manholes & Energy Meter	
416.	25.06.22	CGICOP-Dasu-PCI-01R-PO-1472	Notice for Delay In Approval of Door Lock Sample (2nd Request for Approval of Door Lock Sample) for Colony Buildings	
417.	25.06.22	CGICOP-Dasu-PCI-01R-PO-1473	Request for Extension of Time (EOT) 01-Rev-05 (
418.	25.06.22	CGICOP-Dasu-PCI-01R-PO-1474	Delay In Provision of Design for Floor Pattern , Paint Color Inside & Outside , Aluminum Frame Color Detail for the Security Guard Room	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
32.12 Dasu RV				
Dasu Office				
419.	02.06.22	KGL/Dasu-RV/S/22-130	Choochang Site 1	
420.	02.06.22	KGL/Dasu-RV/S/22-128	Proposal for Design Supply Installation Testing and Commissioning of Solar System for Project Office	
421.	03.06.22	KGL/Dasu-RV/S/22-132	Shatial Museum	
422.	03.06.22	KGL/Dasu-RV/S/22-133	Choochang 1 Mosque	
423.	09.06.22	KGL/Dasu-RV/S/22-134	Submission of Staff Police Clearance Certificate	
424.	15.06.22	KGL/Dasu-RV/S/22-135	Completion Certificate of Relocated Plot at Choochang Site	
425.	29.06.22	KGL/Dasu-RV/S/22-136	Extension of Contractor Insurance Policy	
426.	30.06.22	KGL/Dasu-RV/S/22-137	Stoppage of Work	
2.13 Dasu EM-01				
Dasu Office				
427.	01.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0179	Delayed Approval for List of Contractor's Technical Drawings	
428.	01.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0181	Dasu Generator Upper Floor Assembly Shaft Current Monitoring Assembly Electrical Consumer List for Approval.	
429.	01.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0188	Detail Design Drawings of Turbine Draft Tube Cone Submission for Approval	
430.	02.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0189	Proposal on Temporary Storage for Equipment EM-01 Contractor Reply	
431.	02.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0191	Police Clearance of All Pakistani Staff Working Under DHPP	
432.	02.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0192	Submission of Revised Boundary Wall Design for the Contractor's Camp	
433.	07.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0194	Reply for Lower Pit Liner & Pressure Taps Embedded Piping Drawing Submission for Approval	
434.	08.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0190	Reply for Main Shaft and Runner Pre-assembly in GE Workshop	
435.	09.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0196	Submission Unit Online Monitoring System General Design Drawing	
436.	09.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0198	Submission of RCC Retaining Wall Drawing and Design Calculation	
437.	09.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0193	Site Monthly Report, April 2022	
438.	09.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0195	Contractors Final Claim Report for Delayed Handing Over of Camp Area	
439.	10.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0197	Reply Letter sn-122 and Resubmission Governor System Hydraulic Drawing Calculation Notes and Operating Instruction	
440.	10.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0199	Submission of Updated Program of Performance V4.0	
441.	14.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0200	Supplier Change Application for Generator Stator Core	
442.	09.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0201	Submission of Architectural and Structural Drawings of Buildings	
443.	14.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0202	Reply for Dasu Turbine Foundation Load Calculation Submission for Approval	
444.	15.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0203	Delayed Approval for List of Contractors Technical Drawings	
445.	15.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0204	Reminder on Delayed Approval for Contractors Commercial Letters	
446.	16.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0207	Reply for Detail Design Drawings of Lower Pit Liner Submission for Approval	
447.	16.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0209	Reply for Discharge Calculation Submission for Approval	
448.	17.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0205	Invitation to Monthly Progress Review Meeting for Dasu EM-01 June	
449.	17.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0208	Rotor Spider Assembly and Stator Foundation for Approval	
450.	17.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0210	Reminder for Dasu Painting Colors Proposed of Equipment for Customer Approval	
451.	17.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0211	Submission the Detail Design Drawing of Generator Voltage Switchgear	
452.	21.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0206	Request for Adopting Absolute Value Instead of Basic Index Figures In Price Adjustment Under Contract	
453.	20.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0213	Submission of Revised Boundary Wall Design for the Contractors Camp	
454.	21.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0214	Reminder for Dasu Generator Rotor Fan Assembly , Rotor Balancing Assembly , Low Voltage Diagram, Instrumentation List	
455.	22.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0215	Delayed Approval for Dasu Generator Stator Assembly , Rotor Assembly , Collector Static Parts Arrangement	

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
456.	20.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0216	Submission Generator Protection Panels Equipment and Electrical Diagram	
457.	20.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0217	Dasu Generator Upper Bracket Lower Bracket Lower Bracket foundation for Approval EM-01	
458.	21.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0218	Delayed Approval for Contractor's Drawings of Generator Fire Fighting P& ID and Design Memo	
459.	22.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0219	Delayed Approval for Dasu Generator Stator Winding Assembly , Rotor Lead Assembly , Grounding System	
460.	22.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0220	Delayed Approval for Dasu Modification the Doc . Status of Generator PID	
461.	22.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0221	Reminder for Dasu Generator Upper Floor Assembly , Shaft Current Monitoring Assembly , Electrical Consumer List for Approval	
462.	22.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0212	Propose to Add Supplier of Stay Ring - GE Hydro China	
463.	22.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0222	Police Clearance of All Pakistani Staff Working Under DHPP Updated on June 22,2022 (222)	
464.	22.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0223	Contractors OHS Personnel Responsibility Statement	
465.	23.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0224	Request for Consent to Subcontract of Mian Transformer and Reactor	
466.	24.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0226	Request to Hard Over the Remaining Area (0.758ha) of the Land	
467.	28.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0229	Supplier Change Application for Turbine Shaft	
468.	27.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0230	Dasu Check for PKR Advance Payment	
469.	28.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0231	Submission of Contractors DB Member for Approval	
470.	28.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0233	Site Monthly Report, May 2022	
471.	29.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0234	Submit the CSCS Architecture Diagram and Design Memo for Execution	
472.	30.06.22	Dasu-EM-01-LET-JV-WAPDA/ DHC-2022-0232	Clarification for 765KV Relay Protection	
2.13 Dasu SA-01				
Dasu Office				
473.	04.06.22	KGL/Dasu-SSKD/S/22-33	Possession of Site	
474.	07.06.22	KGL/Dasu-SSKD/S/22-111	Project Manager	
475.	08.06.22	KGL/Dasu-SSKD/S/22-34	Approval of Contract Programme	
476.	08.06.22	KGL/Dasu-SSKD/S/22-35	Possession of Site	
477.	08.06.22	KGL/Dasu-SSKD/S/22-36	Possession of Site	
478.	13.06.22	KGL/Dasu-SSKD/S/22-37	Possession of Site	
479.	15.06.22	KGL/Dasu-SSKD/S/22-38	Concrete Mix Design	
480.	26.06.22	KGL/Dasu-SSKD/S/22-39	Work Methodology for Concrete With Mixer Machine	
481.	30.06.22	KGL/Dasu-SSKD/S/22-40	Missing Item RCC (1;2;4)	
2.14 Dasu RB-014				
Dasu Office				
482.	21.06.22	IKAN/WAPDA/Jalkot/181	Submission of Prolongation & Idling Cost of (EOT-II)	
2.15 Dasu LADP-MI-1				
Dasu Office				
483.	03.06.22	KGL/Dasu-RHC/22-199	Testing of Transformer 200 KVA	
484.	15.06.22	KGL/Dasu-RHC/22-200	Completion Certificate	
485.	17.06.22	KGL/Dasu-RHC/22-201	Electrical Works Residence Type A	
2.16 Dasu LADP-MI-2				
Dasu Office				
486.	03.06.22	KGL/Dasu-JMK/22-91	Reminder of Roof Treatment	
487.	23.06.22	KGL/Dasu-JMK/22-92	Rain at Site	
488.	27.06.22	KGL/Dasu-JMK/22-93	Submission of Interim Payment Certificate No.05	
489.	30.06.22	KGL/Dasu-JMK/22-94	Reminder Early Warning Under Clause 31 (094)	
490.	30.06.22	KGL/Dasu-JMK/22-95	Reminder Protective Measure for RCC Wall at Mosque of Section 2-2, 3-3 and 6-6	
2.17 Dasu LADP-PKG-01				

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Sr. No	Receiving Date	Letter No.	Subject	Remarks
Dasu Office				
491.	01.06.22	Project/LADP/PKG1/00012	Submission of IPC No.01 (Advance Payment) In Accordance With GCC 49.1	
492.	04.06.22	Project/LADP/PKG1/00013	Stoppage of Joint Survey at Dong Nullah - Notice Under Clause 31 (Early Warning) Read With Clause 20 and Clause 42 of Conditions of Contract	
493.	04.06.22	Project/LADP/PKG1/00014	Request for Approval of Design Engineer	
494.	06.06.22	Project/LADP/PKG1/00015	Request for Mix Design	
495.	09.06.22	Project/LADP/PKG1/00016	Weekly Report	
496.	09.06.22	Project/LADP/PKG1/00017	Weekly Report	
497.	23.06.22	Project/LADP/PKG-1/018	Request for Third Party Testing for Swat Khawazakhela Coarse Aggregate and Fauji Low Alkali Cement Alkali Silica Reactivity	
498.	23.06.22	Project/LADP/PKG-1/019	Request for Swat Khawazakhela Coarse Aggregate and Fauji Low Alkali Cement Alkali Silica Reactivity Test	
499.	23.06.22	Project/LADP/PKG-1/020	Request for Concrete Mix Design Having Minimum Cylindrical Compressive Strength of 100Kg-cm ² , 210kg-cm ² & 250kg-cm ² at 28 Days (020)	
500.	27.06.22	Project/LADP/PKG-1/021	Submission of Joint Topo Graphic Survey of PKG-01 Road Schemes	
501.	27.06.22	Project/LADP/PKG-1/022	Weekly Report	
502.	27.06.22	Project/LADP/PKG-1/023	Weekly Progress Report	
503.	28.06.22	Project/LADP/PKG-1/024	Request for Petrography Analysis of Coarse Aggregate	
504.	29.06.22	Project/LADP/PKG-1/025	Submission of Detailed Design of PKG-01 Road Schemes	

Outgoing Letters from DHC

Sr. No	Date	Letter No.	Subject	Remarks
1. To WAPDA				
1.1. General				
Lahore office				
1.	01.06.22	DHC/LHR/WAPDA/GEN/zuh/22-076	Request for Promotion of Mr. Ghulam Nabi from Position Jr. Site engineer (Infrastructure-1, RAR-01 and Roads) (L25) to Sr Site Engineer (KKH-01, Tunnel) (NP19)	
2.	03.06.22	DHC/LHR/WAPDA/GEN/tm/22-077	Submission of Draft of Revised PC-I for Stage-I and Stage-II	
3.	06.06.22	DHC/LHR/WAPDA/GEN/aiq/22-078	Statement of Reimbursable Expenses of Local Currency Portion for the Month of March-2022	
4.	14.06.22	DHC/LHR/WAPDA/GEN/zuh/22-079	Request for Promotion of Mr. Fawad Afzal from Position Jr. Document Controller-1 (L123) to Sr Document Controller (NP17)	
5.	17.06.22	DHC/LHR/WAPDA/GEN/aiq/22-080	Invoice Remuneration of Local Currency Portion for the Month of May 2022	
6.	17.06.22	DHC/LHR/WAPDA/GEN/zuh/22-081	Maintenance of 4 Nos. Physical Models at Hydraulic Research Station (HRS)Nandipur for the Year 2022-2023	
7.	21.06.22	DHC/LHR/WAPDA/GEN/mkk/22-082	Security Arrangements for Travelling of DHC Expatriate	
8.	21.06.22	DHC/LHR/WAPDA/GEN/zuh/22-083	Submission of Pakistan Engineering Council (PEC) Receipt of Biometric Verification with Undertaking by Mr. Ghulam Nabi Sr Site Engineer (KKH-01, Tunnel) NP19	
9.	21.06.22	DHC/LHR/WAPDA/GEN/aiq/22-084	Payment against 150 Meters Rotary Drilling Work Require for Additional Boreholes at Downstream Coffe Dam	
10.	21.06.22	DHC/LHR/WAPDA/GEN/zuh/22-085	Request for Transfer of Field MMs to Home MMs for NK Expatriates	
11.	23.06.22	DHC/LHR/WAPDA/GEN/zuh/22-086	Request for Approval of Mr Muhammad Zubair Rafique for the Position of Jr M&E Professional (L80) as a Replacement of Mr Farhan Aslam	
12.	23.06.22	DHC/LHR/WAPDA/GEN/zuh/22-087	Request for Approval of Mr. Sajjad Aslam against TBN Position of Jr M&E Professional (Environment)(L104)	
13.	24.06.22	DHC/LHR/WAPDA/GEN/aiq/22-088	Statement of Reimbursable Expenses of Local Currency Portion for the Month of April 2022	
14.	27.06.22	DHC/LHR/WAPDA/GEN/aiq/22-089	Invoice (Remuneration) of Foreign Currency Portion for the Month of May 2022	
15.	27.06.22	DHC/LHR/WAPDA/GEN/aiq/22-090	Statement of Reimbursable Expenses of Foreign Currency Portion for the Month of May 2022	
16.	30.06.22	DHC/LHR/WAPDA/GEN/zuh/22-091	Request for Approval of Mr. Saqib Siddiq for the Position of Sr Migration Management (L129) as a Replacement of Mr Irfan Mahmood Janjua	
Dasu office				
17.	01.06.22	DHC/Dasu/WAPDA/Gen/Rob/22-312	Request for Approval of Skill Development Training in Kuz Chuchang (Pilot Training)	
18.	05.06.22	DHC/Dasu/WAPDA/Gen/myb/22-313	Security Arrangements for travelling of DHC Expatriates Staff	
19.	03.06.22	DHC/Dasu/WAPDA/Gen/myb/22-314	Security Arrangements for travelling of DHC Expatriates Staff	
20.	03.06.22	DHC/Dasu/WAPDA/Gen/myb/22-315	Security Arrangements for travelling of DHC Expatriate (Okan Alper)	
21.	05.06.22	DHC/Dasu/WAPDA/Gen/sad/22-316	GIS Verification of Land Parcels of Component KKH-01 Additional Land PTB-1 Area	
22.	06.06.22	DHC/Dasu/WAPDA/Gen/nk/22-317	Request for Approval of Mr. Cemalettin SEZER Position K21 Chief Design Engineer (Waterways) as Replacement of Mr. M. Engin GONiNDi	
23.	06.06.22	DHC/Dasu/WAPDA/Gen/myb/22-318	Revised Security Arrangements for travelling of DHC Expatriate (Mr. Okan Alper)	
24.	06.06.22	DHC/Dasu/WAPDA/Gen/myb/22-319	Security Arrangements for travelling of DHC Expatriates as Special case (Mr. Fidencio Mendez)	
25.	06.06.22	DHC/Dasu/WAPDA/Gen/cad/22-320	Request for reply to Financial Attest Audit Report Paras for the Financial Year 2019-2021	
26.	05.06.22	DHC/Dasu/WAPDA/Gen/nhs/22-321	Submission of 05 TRP Files of Kuz Chuchang for Payment	
27.	06.06.22	DHC/Dasu/WAPDA/Gen/myb/22-322	Security Arrangements for travelling of DHC Expatriate as Special Case (Mr. Shuji Nakata & Yoshiako Samejima)	
28.	07.06.22	DHC/Dasu/WAPDA/Gen/myb/22-323	Security Arrangements for travelling of DHC Expatriates as a Special Case (Mr. Naim Karaman & Hujjat Hussian)	
29.	08.06.22	DHC/Dasu/WAPDA/Gen/sad/22-324	GIS Verification of Land Parcels of 08-Nos Components "Map Mussavi"	
30.	08.06.22	DHC/Dasu/WAPDA/Gen/zic/22-325	29th Environmental Progress Report for the Period from January to March 2022	
31.	09.06.22	DHC/Dasu/WAPDA/Gen/myb/22-326	Security Arrangements for Travelling of DHC Expatriates as a Special Case (Mr.Hulusi Haluk)	
32.	11.06.22	DHC/Dasu/WAPDA/Gen/myb/22-327	Revised Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Hulusi Haluk & Hiroataka Koizumi)	
33.	11.06.22	DHC/Dasu/WAPDA/Gen/myb/22-328	Revised Security Arrangements for travelling of DHC Expatriates (Mr. Nakata and Samejima)	
34.	13.06.22	DHC/Dasu/WAPDA/Gen/cad/22-329	Request for Reply to Financial Attest Audit Report Paras for the Financial Year 2019-2021	

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Sr. No	Date	Letter No.	Subject	Remarks
35.	13.06.22	DHC/Dasu/WAPDA/Gen/cad/22-329	Request for Reply to Financial Attest Audit Report Paras for the Financial Year 2019-2021	
36.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-330	Tentative Cost Estimate for Land in Respect of "Crush Plant Area, Kaigah "	
37.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-331	Assessment Report of Built-up Property for DHPP in Kass Disposal "Area-1 File-1"	
38.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-332	Assessment Report of Built-up Property for DHPP in Kass Disposal "Area-1 File-3"	
39.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-333	Assessment Reports of Fruit Plants in Respect of "Tailrace outlet Additional Land Area-02"	
40.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-334	Provision of Funds for Disbursement of Compensation for Built-up Property in Respect of the Component VIZ "Additional Land Tailrace Area-II"	
41.	15.06.22	DHC/Dasu/WAPDA/Gen/myb/22-335	Revised Security Arrangement for Travelling of DHC Expatriate as Special Case	
42.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-336	Tentative Cost Estimate for Land in respect of Access Road to Resettlement Site-4 kuz Chuchang	
43.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-337	Tentative Cost Estimate for Land in respect of KKH-01 Additional Land (PTB-3)	
44.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-338	Tentative Cost Estimate for Land in respect of Kaigah Quarry-2 Ad joining Area	
45.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-339	Tentative Cost Estimate for Land in respect of KKH-01 Additional Land (PTB-1)	
46.	14.06.22	DHC/Dasu/WAPDA/Gen/nhs/22-340	Payment of Temporary Relocation Package (TRP) for 06 AHs of RAR-01 Sigloo Nullah to Dam Site (K9-K12)	
47.	14.06.22	DHC/Dasu/WAPDA/Gen/sad/22-341	Modification in Musavi of the component Access Road to Resettlement Site-4 at Kuz Chuchang	
48.	15.06.22	DHC/Dasu/WAPDA/Gen/myb/22-342	Security Arrangements for Travelling of DHC Expatriates as a Special Case	
49.	15.06.22	DHC/Dasu/WAPDA/Gen/myb/22-343	Security Arrangements for Travelling of DHC Expatriates as a Special Case	
50.	17.06.22	DHC/Dasu/WAPDA/Gen/myb/22-344	Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Muharram Engin)	
51.	17.06.22	DHC/Dasu/WAPDA/Gen/myb/22-345	Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Neil Napoleon)	
52.	18.06.22	DHC/Dasu/WAPDA/Gen/PM/22-346	Delegation of Powers as Engineer Project Manager	
53.	20.06.22	DHC/Dasu/WAPDA/Gen/myb/22-347	Security Arrangements for Travelling of DHC Expatriate (Mr.Hiroo Takagi)	
54.	20.06.22	DHC/Dasu/WAPDA/Gen/myb/22-348	Security Arrangements for Travelling of DHC Expatriate (Mr.Tomoaki Kitamura)	
55.	20.06.22	DHC/Dasu/WAPDA/Gen/you/22-349	Security Arrangements for Travelling of CGGC Expatriates	
56.	20.06.22	DHC/Dasu/WAPDA/Gen/sad/22-350	GIS Verification of Land Parcels of Component Kaigah Quarry-2 (Adjoining Area)	
57.	20.06.22	DHC/Dasu/WAPDA/Gen/rob/22-351	Request for Approval of Follow Up Workshop with Religious Leaders (Imam-Khateeb) for Creating and Enabling Environment for Women Participation	
58.	21.06.22	DHC/Dasu/WAPDA/Gen/sad/22-352	GIS Verification of Land Parcels of Component Bailey Bridge Gummon Looter Right Side Area-1	
59.	21.06.22	DHC/Dasu/WAPDA/Gen/sad/22-353	GIS Verification of Land Parcels of Component Crush Plant Area Kaigah	
60.	23.06.22	DHC/Dasu/WAPDA/Gen/you/22-354	Security Arrangement for Travelling of PCCC Expatriate	
61.	22.06.22	DHC/Dasu/WAPDA/Gen/cad/22-355	Referral No.2-Provision of power Supply (Dispute No.3)	
62.	24.06.22	DHC/Dasu/WAPDA/Gen/myb/22-356	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr.Neil Napoleon)	
63.	23.06.22	DHC/Dasu/WAPDA/Gen/myb/22-357	Sharing of Present Employee List Along with Police Clearance Certificate of All Pakistani Staff Working Under DHPP	
64.	24.06.22	DHC/Dasu/WAPDA/Gen/nhs/22-358	Submission of 05 TRP Files of Khushi Village for Payment	
65.	24.06.22	DHC/Dasu/WAPDA/Gen/tm/22-359	MPR No.94 for the Month of May 2022 under Assignment-B	
66.	24.06.22	DHC/Dasu/WAPDA/Gen/tj/22-360	Summary of Compensation Payment of 69 Components for Accounts Adjustment	
67.	24.06.22	DHC/Dasu/WAPDA/Gen/you/22-361	Application for Re-Employment Resumption of Work Mr. Jawad Khan	
68.	25.06.22	DHC/Dasu/WAPDA/Gen/you/22-362	Sharing of Present Employee List Along with Police Clearance Certificate of All Pakistani Staff Working under DHPP	
69.	26.06.22	DHC/Dasu/WAPDA/Gen/sad/22-363	GIS Verification of Land Parcels of Component Crush Plant Area Kaigah	
70.	26.06.22	DHC/Dasu/WAPDA/Gen/myb/22-364	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr.Hirotaka Koizumi)	
71.	27.06.22	DHC/Dasu/WAPDA/Gen/myb/22-365	Security Arrangements for Travelling of DHC Expatriate (Mr.Okan Alper Koruk)	
72.	27.06.22	DHC/Dasu/WAPDA/Gen/sad/22-366	GIS Verification of Land Parcels of Component Kaigah Quarry-2 (Adjoining Area)	
73.	28.06.22	DHC/Dasu/WAPDA/Gen/sad/22-367	Application Regarding Self-Managed Relocation (SMR)	
74.	30.06.22	DHC/Dasu/WAPDA/Gen/myb/22-368	Security Arrangements for Travelling of Foreigners	
1.2.		Dasu-KKH-01		

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Sr. No	Date	Letter No.	Subject	Remarks
Lahore office				
75.	02.06.22	DHC/Dasu/WAPDA/KKH-01/Okk/22-076	Stoppage of CCECC Employees and Machinery on KKH for Security Reasons	
76.	09.06.22	DHC/Dasu/WAPDA/KKH-01/hh/22-080	Schedule of Factory Visit, Sample Delivery And Testing At Third Party Laboratory	
77.	21.06.22	DHC/Dasu/WAPDA/KKH-01/CAD/22-085	Interim Payment Certificate No.27-Advance Payment Certificate Against Variation Order NO.KKH-01-VO-005	
78.	24.06.22	DHC/Dasu/WAPDA/KKH-01/CAD/22-086	Request for Employers Letter to Attock Petroleum for Provision of Bitumen Grade 60-70 Bulk Rate for the Purpose of Price Adjustment.KKH-01	
79.	28.06.22	DHC/Dasu/WAPDA/KKH-01/hh/22-090	Extension of Delivery Testing and Factory Visit Scheule.KKH-01	
1.3. Dasu-KKH-02				
Dasu office				
80.	03.06.22	DHC/Dasu/WAPDA/KKH-02/Okk/22-055	Revised Design Proposal for KKH-02 (Rev 2) from K25+200 to K 62+213.	
81.	03.06.22	DHC/Dasu/WAPDA/KKH-02/you/22-057	Request for Construction of Security Check post at Kaighah for Spot Checking and Screening of Vehicles	
82.	10.06.22	DHC/Dasu/WAPDA/KKH-02/cad/22-064	Potential Sole Member for Dispute Board (DB)	
83.	20.06.22	DHC/Dasu/WAPDA/KKH-02/okk/22-065	Reminder for Land Handover Schedule for KKH-02	
84.	20.06.22	DHC/Dasu/WAPDA/KKH-02/okk/22-068	Submission of Layout for Check Point at Kaigh.KKH-02	
85.	20.06.22	DHC/Dasu/WAPDA/KKH-02/okk/22-069	Submission of Layout for Barracks at Kaighah Camp.KKH-02	
86.	27.06.22	DHC/Dasu/WAPDA/KKH-02/okk/22-076	Land Required for the Contractors Looter Camp 3.KKH-02	
87.	28.06.22	DHC/Dasu/WAPDA/KKH-02/cad/22-077	Potential Sole Member for Dispute Board (DB.KKH-02&RAR-02	
1.4. Dasu-TL-01				
Dasu office				
88.	01.06.22	DHC/Dasu/WAPDA/TL-01/cad/22-091	Interim Management Cost Claim for Social Insurances of Chinese Staff - Project Manager's Assessment	
89.	01.06.22	DHC/Dasu/WAPDA/TL-01/mrz/22-092	Row issue at T 149-T 155(Shaikh banda).	
90.	02.06.22	DHC/Dasu/WAPDA/TL-01/mrz/22-093	Handing over of Remaining 20 Meter land for Access road of Grid Station.	
91.	06.06.22	DHC/Dasu/WAPDA/TL-01/cad/22-096	Interim Management Cost Claim for the Social Insurance of Chinese Staff- Project Manager's Assessment	
92.	15.06.22	DHC/Dasu/WAPDA/TL-01/mrz/22-101	Tampering in Inspected Erected Tower T-188A	
93.	20.06.22	DHC/Dasu/WAPDA/TL-01/mrz/22-102	Tampering in Inspected Erected Tower T-188A.TL-01	
94.	20.06.22	DHC/Dasu/WAPDA/TL-01/mrz/22-103	Call for Visual Inspection of Power Transformer at Ghazi Barotha.TL-01	
1.5. Dasu-MW-01				
Dasu Office				
95.	05.06.22	DHC/Dasu/WAPDA/MW-01/nk/22-249	Visiting Schedule to GINI Natural Pozzolan Quarry to Determine the Sampling Locations. (MW-01)	
96.	07.06.22	DHC/Dasu/WAPDA/MW-01/hh/22-250	Extension of Delivery and Testing Schedule of different Material of the Project to 3rd Party Laboratories (MW-01)	
97.	11.06.22	DHC/Dasu/WAPDA/MW-01/cad/22-258	Request for Clarification on Payment Modalities in Respect of Royalties and Licensing Fee Payment to Mineral Development Department KP MW-01	
98.	15.06.22	DHC/Dasu/WAPDA/MW-01/cad/22-261	Amicable Settlement Agreement on the Letter of Discount	
99.	20.06.22	DHC/Dasu/WAPDA/MW-01/you/22-266	Employment of Locals Belonging to Kass Area by CGGC in Their Chinese Camp.MW-01	
100.	22.06.22	DHC/Dasu/WAPDA/MW-01/AO/22-276	Reminder 1 Expediting the House relocation Works below Right Abutment U-S Access Road of Cable Crane MW-01	
101.	25.06.22	DHC/Dasu/WAPDA/MW-01/hh/22-279	Schedule of Sampling from the Natural Pozzolan Source 1 and Submission to the Third Party Laboratory.MW-01	
102.	25.06.22	DHC/Dasu/WAPDA/MW-01/jf/22-282	Maintenance of 4 No. Physical Model at HRS Nandipur.MW-01	
103.	26.06.22	DHC/Dasu/WAPDA/MW-01/cad/22-283	Dispute Boards Decision Under Sub-Clause-20.4-Application of the Tender Discount.MW-01	
104.	27.06.22	DHC/Dasu/WAPDA/MW-01/AO/22-284	Expediting the House Relocation Works for RCC Batching Plant (2#) in Siglo MW-01	
105.	28.06.22	DHC/Dasu/WAPDA/MW-01/hur/22-289	Construction of Security Check Post at Kass Camp.MW-01	
1.9 Dasu RAR-03				
Dasu Office				
106.	27.06.22	DHC/Dasu/WAPDA/RAR-03/cad/22-001	RAR-03-Pre Qualification Documents for Construction of Right Bank Access Road from Uttargah to Tangir	
1.10 Dasu LBRV-11				
Dasu Office				

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Sr. No	Date	Letter No.	Subject	Remarks
107.	10.06.22	DHC/Dasu/WAPDA/LBRV-11/Cad/22-044	Extension of Advance Guarantee	
108.	20.06.22	DHC/Dasu/WAPDA/LBRV-11/kan/22-048	Development of Resettlement Site Khoshe-2 Link-2.LBRV-11	
109.	21.06.22	DHC/Dasu/WAPDA/LBRV-11/pls/22-052	Draft Variation (VO-004) Regarding Omission of Sites LBRV-11	
110.	27.06.22	DHC/Dasu/WAPDA/LBRV-11/kan/22-053	Response to PDP No.265 Based on IR Para No.14 Recovery of Cost of Removal of Irregular Dumped Material for the Contractor	
1.11 Dasu-LBRV-12				
Dasu office				
111.	21.06.22	DHC/Dasu/WAPDA/LBRV-12/pls/22-031	Draft Variation (VO-002) Regarding Omission of Sites LBRV-12	
112.	26.06.22	DHC/Dasu/WAPDA/LBRV-12/cad/22-033	Interim Payment Certificate No.9.LBRV-12	
1.13 Dasu-PCI-01R				
Dasu office				
113.	08.06.22	DHC/Dasu/WAPDA/PCI-01 R/PLS/22-150	Submission of Resource Loaded Programme	
114.	11.06.22	DHC/Dasu/WAPDA/PCI-01 R/hh/22-151	Visit for Wood Source (Besham & Fateh Jhang) PCI-01R	
115.	14.06.22	DHC/Dasu/WAPDA/PCI-01 R/cad/22-153	V0-012 - Supplying and Installation of Joint Filler and Backing Rod in Expansion Joints of Project Colony Building	
116.	21.06.22	DHC/Dasu/WAPDA/PCI-01 R/cad/22-161	Extension of Time and Notice to Correct.PCI-01R	
117.	25.06.22	DHC/Dasu/WAPDA/PCI-01 R/cad/22-165	Extension in Notice of Correction.PCI-01R	
118.	29.06.22	DHC/Dasu/WAPDA/PCI-01 R/cad/22-176	Contractors Request for Re-Evaluation of Time and Cost Claims.PCI-01R	
1.15 Dasu EM-01				
Dasu Office				
119.	07.06.22	DHC/Dasu/WAPDA/EM-01/ cad/ 22-143	Employer's Liability Insurance	
120.	07.06.22	DHC/Dasu/WAPDA/EM-01/ cad/ 22-147	Confirmation of Security Facilities for EM-01 Camp	
121.	22.06.22	DHC/Dasu/WAPDA/EM-01/ cad/ 22-153	Duties and Import Tax Exemption Application.EM-01	
122.	24.06.22	DHC/Dasu/WAPDA/EM-01/ ys/ 22-158	Security Requirements for EM-01 Camp	
123.	28.06.22	DHC/Dasu/WAPDA/EM-01/ cad/ 22-165	Cheque Collection of Advance Payment Local Currency Portion.EM-01	
124.	30.06.22	DHC/Dasu/WAPDA/EM-01/ cad/ 22-174	Submission of Contractors Dispute Board (DB) Member for Approval.EM-01	
1.16 Dasu RV				
Dasu Office				
125.	04.06.22	DHC/Dasu/WAPDA/RV/Kan/22-036	Response To Request For Reply To Initial Audit Observations (for Dasu-RV) of WAPDA Internal Audit For The FY 2019-21	
126.	20.06.22	DHC/Dasu/WAPDA/RV/Kan/22-042	Request for Omission of Remaining Works of Archaeological Site Sahital (Rock Carving Museum).RV	
127.	20.06.22	DHC/Dasu/WAPDA/RV/cad/22-043	Completion Taking Over Certificate #01 for Part of the Works Additional Choochang Site-01 RV	
128.	21.06.22	DHC/Dasu/WAPDA/RV/kan/22-046	Completion Taking Over for Part of the Works Relocated Plots of Choochang-1 RV	
129.	29.06.22	DHC/Dasu/WAPDA/RV/cad/22-048	Omission of Works Relating to Non-Handed Over Sites of RV	
1.18 Dasu-LADP				
Dasu Office				
130.	06.06.22	DHC/Dasu/WAPDA/LADP/njm/22-026	LADP Monthly Progress Report No. 38 for the Month of May, 2022	
131.	08.06.22	DHC/Dasu/WAPDA/LADP/njm/22-027	Submission of Feasibility Report for Supply of Classrooms Furniture for Schools in Upper Kohistan	
132.	22.06.22	DHC/Dasu/WAPDA/LADP/mfn/22-028	LADP-Procurement of Two (02) No. Vehicles (To be Converted into Ambulances-Bid Evaluation Report	
133.	28.06.22	DHC/Dasu/WAPDA/LADP/mfn/22-029	LADP-Bid Evaluation Report	
134.	29.06.22	DHC/Dasu/WAPDA/LADP/mfn/22-030	LADP-Bid Evaluation Report	
135.	29.06.22	DHC/Dasu/WAPDA/LADP/mfn/22-031	LADP-Bid Evaluation Report	
1.20 Dasu-RB-14				
136.	07.06.22	DHC/Dasu/WAPDA/RB-14/ mfn/22-015	Interim Payment Certificate No. 6	
1.21 Dasu LADP-MI-1				

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Sr. No	Date	Letter No.	Subject	Remarks
Dasu Office				
137.	07.06.22	DHC/Dasu/WAPDA/MI-1/ shf/22-050	Testing of Transformer 200KVA	
138.	20.06.22	DHC/Dasu/WAPDA/MI-1/ shf/22-052	LADP-RHC-Rate Analysis of Eye Block Wiring	
1.23 Dasu LADP-SA-01				
Dasu Office				
139.	10.06.22	DHC/Dasu/WAPDA/SA-01/mfn/22-033	Hindrances at Site	
140.	21.06.22	DHC/Dasu/WAPDA/SA-01/ahs/22-037	-LADP-SSKD-Social Issues and Community Safety	
141.	23.06.22	DHC/Dasu/WAPDA/SA-01/ahs/22-038	LADP-SSKD-Public Safety During Excavation	
142.	24.06.22	DHC/Dasu/WAPDA/SA-01/zia/22-040	LADP-SA-01-Hindrance and Social Issues of Sanitation System for Komila and Dasu	
1.24 Dasu LADP-PKG-01				
Dasu Office				
143.	01.06.22	DHC/Dasu/WAPDA/PKG-1/mfn/22-005	Interim Payment Certificate No. 01 (Advance Payment)	
144.	04.06.22	DHC/Dasu/WAPDA/PKG-1/mfn/22-008	Stoppage of Works by Locals	
145.	07.06.22	DHC/Dasu/WAPDA/PKG-1/mfn/22-010	Handing Over of Bids	
146.	12.06.22	DHC/Dasu/WAPDA/PKG-1/mfn/22-012	Handing Over of Contract Documents	
2. To Contractors				
2.1 RAR-01				
Dasu Office				
1.	02.06.22	DHC/Dasu/CCECC/RAR-01/ CAD/22-054	Notice of Claim on Land and Social Issue delaying Progress of Komila Bypass	
2.	03.06.22	DHC/Dasu/CCECC/RAR-01/ CAD/22-055	Agree with the Engineer's Determination on the Contractor's Cost Claim for Extension of Insurance and Guarantees-RAR-01	
3.	04.06.22	DHC/Dasu/CCECC/RAR-01/ PLS/22-056	Extension of Time for Completion No. 04 for RAR-01 (Programme for Komila Bypass)	
4.	24.06.22	DHC/Dasu/CCECC/RAR-01/ okk/22-057	Methodology for Foundation Compaction of Breast Wall K0+000 to 0+073 Komila Bypass.RAR-01	
5.	28.06.22	DHC/Dasu/CCECC/RAR-01/ hhc/22-058	Engineers Site Observations for Ongoing Komila and RAR Works.RAR-01	
6.	28.06.22	DHC/Dasu/CCECC/RAR-01/ hh/22-059	Hot Weather Concreting Precautions.RAR-01	
7.	28.06.22	DHC/Dasu/CCECC/RAR-01/ hhc/22-060	Site Visit Obsevation.RAR-01	
8.	28.06.22	DHC/Dasu/CCECC/RAR-01/ hhc/22-061	Construction Programme Schedule for Komila Bypass of RAR-01	
2.2 RAR-02				
Dasu office				
9.	07.06.22	DHC/Dasu/CGGC/RAR-02/OKK/22-049	Drilling Equipment	
10.	07.06.22	DHC/Dasu/CGGC/RAR-02/PLS/22-050	Submission of Activity-Wise Resource-Loaded Schedule (Contract Programme) of RAR-02	
11.	07.06.22	DHC/Dasu/CGGC/RAR-02/hh/22-051	Approval of Quality Management Plan for RAR-02	
12.	20.06.22	DHC/Dasu/CGGC/RAR-02/zic/22-052	Hiring of Environmental Manager at RAR-02 Component (2 Reminder letter)	
13.	22.06.22	DHC/Dasu/CGGC/RAR-02/okk/22-053	Low Quality Concerning Works at Largani Cable Way Bridge Abutment.RAR-02	
14.	25.06.22	DHC/Dasu/CGGC/RAR-02/cad/22-054	Notice to Claim Due to the lack of Fuel.RAR-02	
15.	28.06.22	DHC/Dasu/CGGC/RAR-02/pls/22-055	Submission of Activity Wise Resource Loaded Construction Schedule of RAR-02	
2.3 KKH-01				
Dasu Office				
16.	03.06.22	DHC/Dasu/CCECC/KKH-01/ CAD/22-077	Agree with the Engineer's Determination on the Contractor's Cost Claim for Extension of Insurance and Guarantees-KKH-01	
17.	07.06.22	DHC/Dasu/CCECC/KKH-01/ Kan/22-078	Unauthorized and Uniformed use if Resettlement Village site (Additional Choochang) by KKH-01 Contractor CCECC	
18.	06.06.22	DHC/Dasu/CCECC/KKH-01/ pls/22-079	Submission of Resource Loaded Schedule (RLS) for KKH-01	
19.	11.06.22	DHC/Dasu/CCECC/KKH-01/ CAD/22-081	Extension of Insurance for Works & Contractors Equipment & Insurance against Injury to Personnel and Property Damage KKH-01	
20.	13.06.22	DHC/Dasu/CCECC/KKH-01/ you/22-082	Stoppage of CCECC Employees and Machinery on KKH for Security Reasons KKH-01	
21.	14.06.22	DHC/Dasu/CCECC/KKH-01/ cad/22-083	Non-Availability of Bulk Supply of Diesel Fuel for Works	

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Sr. No	Date	Letter No.	Subject	Remarks
22.	14.06.22	DHC/Dasu/CCECC/KKH-01/ you/22-084	Request for Security Personnel for Chinese Camps at Khushi, K-9	
23.	24.06.22	DHC/Dasu/CCECC/KKH-01/ cad/22-087	Request for Format of Performance Guarantee and Advance Payment Guarantee for Increased Contract Value After VO-005 Signed.KKH-01	
24.	25.06.22	DHC/Dasu/CCECC/KKH-01/ cad/22-088	VO-001R-Construction of Pre-Fabricated Accommodation Building for Security Personnel at Uchar Camp.KKH-01	
25.	27.06.22	DHC/Dasu/CCECC/KKH-01/ nak/22-089	Land Handing Taking Over Certificates for Tunnels and Bridges in Reservoir Area.KKH-01	
26.	28.06.22	DHC/Dasu/CCECC/KKH-01/ hh/22-091	Hot Weather Concreting Precautions KKH-01	
27.	28.06.22	DHC/Dasu/CCECC/KKH-01/ pls/22-092	Submission of Resource Loaded Schedule (RLS) for KKH-01	
2.4 Dasu-KKH-02				
Dasu Office				
28.	03.06.22	DHC/Dasu/CGGC/KKH-02/ OKK/22-054	Hand Over of ROW for KKH-02	
29.	03.06.22	DHC/Dasu/CGGC/KKH-02/ OKK/22-056	Construction Duration of KKH-02	
30.	06.06.22	DHC/Dasu/CGGC/KKH-02/ OKK/22-058	Hand Over of Access Roads for KKH-02.	
31.	06.06.22	DHC/Dasu/CGGC/KKH-02/ cad/22-059	Notice of Claim under GC 2.1 and GC 20.1	
32.	06.06.22	DHC/Dasu/CGGC/KKH-02/ PLS/22-060	Submission of Contract Programme for KKH-02	
33.	07.06.22	DHC/Dasu/CGGC/KKH-02/ cad/22-061	Contractor's Obligation to Obtain Land for Camp Area and other Temporary Facilities	
34.	07.06.22	DHC/Dasu/CGGC/KKH-02/ hh/22-062	Approval of Quality Management Plan for KKH-02	
35.	08.06.22	DHC/Dasu/CGGC/KKH-02/ Okk/22-063	Request for Construction of Check Post at Kaiga	
36.	20.06.22	DHC/Dasu/CGGC/KKH-02/ zic/22-066	Hiring of Dedicated Environmental Manager for KKH-02 Component	
37.	20.06.22	DHC/Dasu/CGGC/KKH-02/ zic/22-067	The Engineers Comments on Revised CEAP KKH-02 by the CGGC	
38.	21.06.22	DHC/Dasu/CGGC/KKH-02/ okk/22-070	Hand Over of Row for KKH-02	
39.	21.06.22	DHC/Dasu/CGGC/KKH-02/ okk/22-071	Hand Over of Temporary Spoil Banks for KKH-02	
40.	24.06.22	DHC/Dasu/CGGC/KKH-02/ okk/22-072	Confirmation of the Engineers Oral Instructions.KKH-02	
41.	23.06.22	DHC/Dasu/CGGC/KKH-02/ okk/22-073	Construction of Security Check Post at Kaigah.KKH-02	
42.	25.06.22	DHC/Dasu/CGGC/KKH-02/ cad/22-074	Notice to Claim Due to the Lack of Fuel.KKH-02	
43.	26.06.22	DHC/Dasu/CGGC/KKH-02/ cad/22-075	Notification of Commencement Date for Dasu KKH-02	
44.	30.06.22	DHC/Dasu/CGGC/KKH-02/ cad/22-078	The Criteria of Rock Classification at the Surface Excavation.KKH-02	
2.5 Dasu TL-01				
Dasu Office				
45.	01.06.22	DHC/Dasu/PCCC/TL-01/ cad/22-091	Interim Management Cost Claim for Social Insurances of Chinese Staff - Project Manager's Assessment	
46.	04.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-094	Internal Conflict of Contractor's erection Team	
47.	04.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-095	Delay in concrete at Control House building of Grid Station	
48.	06.06.22	DHC/Dasu/PCCC/TL-01/ PLS/22-097	Recourse Loaded Schedule of TL-01 Contract	
49.	09.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-098	Submission of Loads & Load Combination for Foundation Drawings of Gantries and Revised Foundation Layout Plan of Grid Station	
50.	12.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-099	Tempering in already Inspected Towers TL-01	
51.	13.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-100	Submission of Slop Protection Plan and Design for Access Road of	
52.	20.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-104	Safety Wall Issue at T-204M & T-204A.TL-01	
53.	20.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-105	Installation of PLC Foundation in Grid Station.TL-01	
54.	27.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-106	Inspection Certificate for 08 No.ZM-30 & 02 No.ZM-60 Tower Material.TL-01	
55.	27.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-107	Procurement of Internal Electrification and Lightning Protection Material for Control House Building.TL-01	
56.	28.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-108	Transportation of Power Transformer to Grid Station.TL-01	
57.	28.06.22	DHC/Dasu/PCCC/TL-01/ pls/22-109	Resource Loaded Schedule of TL-01	
58.	28.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-110	Delayed Delivery of Towers at Site and Pending Procurment.TL-01	
59.	28.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-111	Installation of Mesh on Slopes at Grid Station.TL-01	
60.	28.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-112	Submission of Slop Protection Plan and Design for Access Road of Grid Station.TL-01	
61.	29.06.22	DHC/Dasu/PCCC/TL-01/ mrz/22-113	Power Transformer Visual Check at Ghazi Barotha.TL-01	

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Sr. No	Date	Letter No.	Subject	Remarks
2.6 Dasu MW-01				
Dasu Office				
62.	01.06.22	DHC/Dasu/CGGC/MW-01/ zic/22-240	Engineer's Reply on the Approval of Environmental Officer for MW-01	
63.	01.06.22	DHC/Dasu/CGGC/MW-01/ zic/22-241	Submission of Remaining Revised Plans of Construction Environment Action Plan (CEAP) for MW-01	
64.	01.06.22	DHC/Dasu/CGGC/MW-01/ HN/22-242	Comments on Calculations and Drawings for Formwork and Scaffolding for Top Arch Pouring and Transition Part for Diversion Tunnel Inlet	
65.	01.06.22	DHC/Dasu/CGGC/MW-01/ Ks/22-243	Construction Design D2 of Diversion Tunnel A & 8 (HSS)	
66.	01.06.22	DHC/Dasu/CGGC/MW-01/ hur/22-244	Minutes of Weekly Meeting 24th May 2022 MW-01	
67.	02.06.22	DHC/Dasu/CGGC/MW-01/ nk/22-245	Rock and Aggregate Petrographic Analysis and Alkali-Silica Reactivity Test Results, (MW-01)	
68.	03.06.22	DHC/Dasu/CGGC/MW-01/ks /22-246	Proposal to Cancel the Lifting Beam of Diversion Gate Hoist-1 and Data of Design to Support Frame	
69.	04.06.22	DHC/Dasu/CGGC/MW-01/ks /22-247	Technical Proposal for Design of Diversion Tunnel Hoist (HSS)	
70.	04.06.22	DHC/Dasu/CGGC/MW-01/ zua/22-248	Dasu HPP Minutes of Weekly Meeting 31st May 2022 (MW-01)	
71.	08.06.22	DHC/Dasu/CGGC/MW-01/ tm/22-251	Daywork Order Instruction- Barseen Camp Upstream Upgradation of Existing Rooms for Establishing the Police Check Post	
72.	08.06.22	DHC/Dasu/CGGC/MW-01/ cad/22-252	Delegation of Power as General Project Manager	
73.	09.06.22	DHC/Dasu/CGGC/MW-01/ cad/22-253	Proposal of Power Supply Uchar 1 No, Batching and 1 No. Crushing Plants	
74.	09.06.22	DHC/Dasu/CGGC/MW-01/ AO/22-254	Slow Progress of Traffic Diversion Tunnel, MW-01.	
75.	09.06.22	DHC/Dasu/CGGC/MW-01/ ks/22-255	Submission the Quality Assurance Plan for Hydraulic Steel Structures	
76.	10.06.22	DHC/Dasu/CGGC/MW-01/ cad/22-256	Commercial Proposal of Power Supply System for Uchar 1 No, Batching and 1 No. Crushing Plants - MW01	
77.	11.06.22	DHC/Dasu/CGGC/MW-01/ zua/22-257	Minutes of Weekly & Monthly Progress Review Meeting held on 7th June 2022 MW-01	
78.	11.06.22	DHC/Dasu/CGGC/MW-01& MW-02/you/22-259	Application for Re-Employment -Resumption of Work	
79.	15.06.22	DHC/Dasu/CGGC/MW-01& MW-02/hn/22-260	Comments on Calculations and Drawings for Formwork & Scaffolding for Top Arch Pouring for Diversion Tunnel Inlet, MW-01	
80.	15.06.22	DHC/Dasu/CGGC/MW-01/ dn/22-262	Comments on Submission of Drawings and Calculation Notes for Adit Plug AT1-2 and AT-3(2) of Diversion Tunnels	
81.	15.06.22	DHC/Dasu/CGGC/MW-01/ zua/22-263	Instruction of Daywork Order for Execution of Parking Platform MW-01	
82.	15.06.22	DHC/Dasu/CGGC/MW-01/ zua/22-264	Siglo Land Possession for Contract ICB No. Dasu- MW-01	
83.	15.06.22	DHC/Dasu/CGGC/MW-01/ nk/22-265	Reminder 1 - Rock and Aggregate Petrographic Analysis and Alkali-Silica Reactivity Test Results	
84.	20.06.22	DHC/Dasu/CGGC/MW-01/ zic/22-267	Non Compliances with respect to EMAP & ECP by CGGC MW-01 Component.MW-01	
85.	20.06.22	DHC/Dasu/CGGC/MW-01/ zic/22-268	Application for Re-Employment.MW-01&2	
86.	20.06.22	DHC/Dasu/CGGC/MW-01/ you/22-269	Employment of Locals with Contractor Working at Tailrace Component Kuz Chuchang.MW-01&2	
87.	20.06.22	DHC/Dasu/CGGC/MW-01/ zic/22-270	Mobilization Plan Required for Environmental Monitoring Laboratory.MW-01	
88.	20.06.22	DHC/Dasu/CGGC/MW-01/ hur/22-271	Construction of Security Check Post at Kaigah.MW-01	
89.	20.06.22	DHC/Dasu/CGGC/MW-01/ zic/22-272	Haulage of Oversized Construction Equipment Goods to Project Site.MW-01	
90.	20.06.22	DHC/Dasu/CGGC/MW-01/ hog/22-273	Geological Comment for Joint Inspection at Right Side Cable Crane Foundation.MW-01	
91.	21.06.22	DHC/Dasu/CGGC/MW-01/ cad/22-274	Principle of Claim - Crushing and Batching Plant.MW-01	
92.	21.06.22	DHC/Dasu/CGGC/MW-01/ jt/22-275	Reply for Submitted Plan of Kass Army Camp.MW-01	
93.	23.06.22	DHC/Dasu/CGGC/MW-01/ hur/22-277	Kass Land Possession for MW-01	
94.	24.06.22	DHC/Dasu/CGGC/MW-01/ hh/22-278	Hot Weather Concreting Precautions.MW-01	
95.	25.06.22	DHC/Dasu/CGGC/MW-01/ jt/22-280	Reply of Starter Dam Design.MW-01	
96.	25.06.22	DHC/Dasu/CGGC/MW-01/ cad/22-281	Notice to Claim Due to the Lack of Fuel.MW-01	
97.	28.06.22	DHC/Dasu/CGGC/MW-01/ jt/22-285	Reply for Technical Proposal on Expedite Plan of Left Bank Traffic Diversion.MW-01	
98.	27.06.22	DHC/Dasu/CGGC/MW-01/ pls/22-286	Submission of the Revised Contract Programme R4-D11 of MW-01	
99.	29.06.22	DHC/Dasu/CGGC/MW-01/ ohs/22-287	Submission of AFI forms Including the Payment Clauses & BOQ Item Number as Per the Contract Documents.MW-01	
100.	29.06.22	DHC/Dasu/CGGC/MW-01/ cad/22-288	Reminder-Provision of Vehicles.MW-01	
101.	30.06.22	DHC/Dasu/CGGC/MW-01/ hur/22-290	Minutes of Weekly Meeting 28th June 2022 MW-01	

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Sr. No	Date	Letter No.	Subject	Remarks
102.	30.06.22	DHC/Dasu/CGGC/MW-01/ hur/22-291	Air Modelling Test at Seo Crusher Plant Site on Dust and Noise.MW-01	
103.	30.06.22	DHC/Dasu/CGGC/MW-01/ dn/22-292	Drawing Issue for Construction Diversion Tunnels Inlet Below EL.802.90-2nd Concrete Stage.MW-01	
2.7 Dasu MW-02				
Dasu Office				
104.	01.06.22	DHC/Dasu/CGGC/MW-02/ Zic/22-229	Submission of Remaining Revised Plans of Construction Environment Action Plan (CEAP) for MW-02	
105.	01.06.22	DHC/Dasu/CGGC/MW-02/ mgc/22-230	Transformer Cavern 1-2 Pre-Splitting Preservation of Structure	
106.	01.06.22	DHC/Dasu/CGGC/MW-02/ mgc/22-231	Powerhouse Cavern I- 2 CH - 0 + 009- 0 + 025.0 Failure to Carry Out Pre-Split Leading to Rockfall # V	
107.	02.06.22	DHC/Dasu/CGGC/MW-02/ mgc/22-232	Minutes of Weekly Progress Meeting (16-05-2022-22-05-2022)	
108.	03.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-233	Main Access Tunnel- Service Tunnel-C Junction Traffic Incident	
109.	03.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-234	Construction of Tailrace Site and Traffic Diversion on the Existing KKH	
110.	03.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-235	Tailrace Traffic Management Plan Tailrace Adit CT 2 (reminder)	
111.	03.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-236	Tailrace Site Layout and Segregation from Main KKH from the Works Site and Compound	
112.	04.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-237	Subject Approval of CGGC Project Manager for MW-02	
113.	04.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-238	Kass Magazine Right Bank Erosion Preventative Procedure towards Rock Protection	
114.	04.06.22	DHC/Dasu/CGGC/MW-02/PLS/22-239	2nd Interim Extension of Time (EoT-2) Report No.2 (1 5t April 2021 to 14th July 2021) MW-02	
115.	06.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-240	The Lower Pressure Tunnel Number 2 Collapse	
116.	11.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-241	Plate Load Test Method Statement MW-02	
117.	09.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-242	Engineer Comments towards Method Statement of Excavation and Support Surge Chamber Vault Tunnel	
118.	09.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-243	Engineer Comments on Method Statement of Excavation and Support of Service Tunnel B	
119.	11.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-244	Access Adit CT2 for Tailrace Tunnel No.1 & 2 MW-02	
120.	13.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-245	Existing KKH LBTT DS Portal Development below the Switchyard and above CR-9 MAT Portal MW-02	
121.	13.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-246	Switchyard Compound Site Condition MW-02	
122.	13.06.22	DHC/Dasu/CGGC/MW-02/MWIIS/22-247	Switchyard and Logro Tunnel - A site Condition and Installation of Batching Plant MW-02	
123.	13.06.22	DHC/Dasu/CGGC/MW-02/ eg/22-248	Issue of Construction Drawing for MW-02	
124.	13.06.22	DHC/Dasu/CGGC/MW-02/ eg/22-249	Temporary Diversion of KKH at Tailrace Outlet Contractor's Camp Area	
125.	13.06.22	DHC/Dasu/CGGC/MW-02/ eg/22-250	Temporary Diversion of KKH at Tailrace Outlet Area	
126.	14.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-251	The Total Disregard and Mis-Management towards Explosives Storage & Supervision on site of the Tailrace Adit CT- II	
127.	14.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-252	Minutes of Monthly & Weekly Progress Meeting	
128.	15.06.22	DHC/Dasu/CGGC/MW-02/ nk/22-253	Reminder 1 - Rock and Aggregate Petrographic Analysis and Alkali-Silica Reactivity Test Results, (MW-02)	
129.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-254	Underground Powerhouse Cavern 1st Bench Drainage.MW-02	
130.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-255	Transformer Cavern Ventilation Dures of Workforce.MW-02	
131.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-256	Transformer Cavern Pilot I-1 Shotcrete Fracture and Potential Detachment CH.0+125.0-0+160.0.MW-02	
132.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-257	Switchyard Slope Protection and Excavation Works.MW-02	
133.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-258	SCVAT & Surge Chamber Vault Gallery Junction Enlargement.MW-02	
134.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-259	LD-7 Slope Stability Still Unprotected and Realization of Structural Stability.MW-02	
135.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-260	CR9 Area Diesel Exhaust Fumes Discharged from Fuel Tank.MW-02	
136.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-261	Underground Powerhouse Cavern 1st Bench Electrical Components.MW-02	
137.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-262	Underground Powerhouse Cavern Pilot I-3 Standard of Shotcrete & Rebar Mesh Exposure.MW-02	
138.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-263	Underground Powerhouse Cavern I-2 CH.0+050-0+110 Installation of R& Q Support Mesh.MW-02	
139.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-264	Underground d Powerhouse Cavern Crown Ventilation and Illumination.MW-02	
140.	20.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-265	SCVAT & Surge Chamber Vault Gallery Junction Ch.0+475.0-0+490.0 Shotcrete Thickness & Installation of Wiremesh.MW-02	

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Sr. No	Date	Letter No.	Subject	Remarks
141.	20.06.22	DHC/Dasu/CGGC/MW-02/ tnk/22-266	Interim Report for the Plate Load Test.MW-02	
142.	20.06.22	DHC/Dasu/CGGC/MW-02/ zic/22-267	Hiring of Dedicated Environmental Manager for MW-02 Component	
143.	22.06.22	DHC/Dasu/CGGC/MW-02/ ks/22-268	Submit Hydraulics and Flow Induced Vibration Model Test Research on Service Gate of Power Intake of Dasu Project (HSS).MW-02	
144.	23.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-269	Ventilation & Lighting Conditions within Powerhouse and Transformer Caverns.MW-02	
145.	23.06.22	DHC/Dasu/CGGC/MW-02/ MWIIS/22-270	Issuance of Pending Drawings for Switchyard(1620).MW-02	
146.	25.06.22	DHC/Dasu/CGGC/MW-02/ cad/22-271	Notice to Claim Due to the lack of Fuel.MW-02	
147.	27.06.22	DHC/Dasu/CGGC/MW-02/ td/22-272	Issue of Construction Drawing for MW-02	
148.	27.06.22	DHC/Dasu/CGGC/MW-02/ pls/22-273	Submission of the Revised Contract Programme R5-D10 of MW-02	
149.	28.06.22	DHC/Dasu/CGGC/MW-02/ hh/22-274	Hot Weather Concreting Precautions.MW-02	
150.	29.06.22	DHC/Dasu/CGGC/MW-02/ ohs/22-275	Submission of AFI forms Including the Payment Clauses & BOQ Item Number as Per the Contract Documents.MW-02	
151.	29.06.22	DHC/Dasu/CGGC/MW-02/ ohs/22-276	Reminder- Provision of Vehicles.MW-02	
2.8 Dasu-LBRV-11				
Dasu Office				
152.	04.06.22	DHC/Dasu/ZEGL/LBRV-11/ PLS/22-043	Request to Provide Updated Programme Schedule for Remaining Works (Reminder)	
153.	11.06.22	DHC/Dasu/ZEGL/LBRV-11/ cad/22-045	Extension of Insurance for Works Insurance against Injury to Personnel and Damage to Property and Insurance for Contractors Personnel LBRV-11	
154.	14.06.22	DHC/Dasu/ZEGL/LBRV-11/ kan/22-046	Non-Compliance to Use of Approved Construction Material	
155.	20.06.22	DHC/Dasu/ZEGL/LBRV-11/ kan/22-047	Reminder to Follow Engineer Instruction for Road Edge Rock Cutting and Provide the Nullah Drains Treatment at PAR at Koshee 1.LBRV-11	
156.	21.06.22	DHC/Dasu/ZEGL/LBRV-11/ you/22-049	Violation of SOPs Travelling Foreigners without Escort from Islamabad to Dasu	
157.	20.06.22	DHC/Dasu/ZEGL/LBRV-11/ pls/22-050	Request to Provide Updated Schedule for Remaining Works .LBRV-11	
158.	20.06.22	DHC/Dasu/ZEGL/LBRV-11/ mrd/22-051	Delay in Construction of Drain Ditch at RV Khoshe-1 and Uchar 01 Sites LBRV-11	
159.	28.06.22	DHC/Dasu/ZEGL/LBRV-11/ cad/22-054	Extension of Advance Guarantee.LBRV-11	
2.9 Dasu LBRV-12				
Dasu office				
160.	04.06.22	DHC/Dasu/ZEGL/LBRV-12/ PLS/22-027	Request to Provide Updated Programme Schedule for Remaining Works (Reminder)	
161.	14.06.22	DHC/Dasu/ZEGL/LBRV-12/ kan/22-028	Non-Compliance to Use of Approved Construction Material	
162.	20.06.22	DHC/Dasu/ZEGL/LBRV-12/ mrd/22-029	Delay in Construction of Road Side Drain Ditch LBRV-12	
163.	20.06.22	DHC/Dasu/ZEGL/LBRV-12/ pls/22-030	Request to Provide Updated Schedule for Remaining Works.LBRV-12	
164.	26.06.22	DHC/Dasu/ZEGL/LBRV-12/ kan/22-032	Excavated Dumped at Road Side.LBRV-12	
165.	28.06.22	DHC/Dasu/ZEGL/LBRV-12/ cad/22-034	Extension of Advance Guarantee.LBRV-12	
2.11 Dasu-PCI-01R				
Dasu Office				
166.	01.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-145	Slow Progress of Colony Pumped Water Supply System (Varied Works)	
167.	01.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-146	Slow Progress of Uchar Water Supply Pipe Line	
168.	01.06.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-147	Request for Design, Specification and Location of False Ceiling Lights in Project Office	
169.	02.06.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-148	Earthing Measurement at Site for Buildings	
170.	06.06.22	DHC/Dasu/CGICOP/PCI-01 R/PLS/22-149	Submission of Resource Loaded Programme	
171.	13.06.22	DHC/Dasu/CGICOP/PCI-01 R/kan/22-152	Breakdown of Lump Sum BoQ Item PCI-01R	
172.	20.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-155	Approval of Water Supply Ferrule Assembly Sample for House Connection.PCI-01R	
173.	20.06.22	DHC/Dasu/CGICOP/PCI-01 R/kan/22-156	Payment of the Outstanding Amount RS 17,242,550 with the Contractor (CGICOP) as on 30th April 2022.PCI-01R	
174.	20.06.22	DHC/Dasu/CGICOP/PCI-01 R/kan/22-157	Complain from MS Nawsherwan Swati Builders to the Employer Regarding Payment of Outstanding Amount .PCI-01R	
175.	20.06.22	DHC/Dasu/CGICOP/PCI-01 R/zic/22-158	Submission of 5th Quarterly Environment Monitoring Plan PCI-01R	
176.	20.06.22	DHC/Dasu/CGICOP/PCI-01 R/kan/22-159	Proposal of Installation Lifts in Project Office.PCI-01R	

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Sr. No	Date	Letter No.	Subject	Remarks
177.	20.06.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-160	Omission of Non-Handed Over 08 Units of Category-4D and Adjacent Road (S_11)-Variation (VO-0013).PCI-01R	
178.	22.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-162	Suspension of Construction Works at Phase-B Area and Hostels.PCI-01R	
179.	23.06.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-163	Use of Cable Tie for Cables Inside the False Ceiling of WAPDA Project Office Building.PCI-01R	
180.	24.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-164	Reply to Request for the Approval of Door Lock Sample.PCI-01R	
181.	25.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrz/22-166	Service Cable Layout Design for WAPDA Project Office Cat-1 and Cat-2 Building.PCI-01R	
182.	27.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrz/22-167	167-27.06.22-Request for Approval of Telephone DB Manufacturer Drawing.PCI-01R	
183.	27.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrz/22-168	Samples of Chandeliers and Wall Bracket Lights.PCI-01R	
184.	28.06.22	DHC/Dasu/CGICOP/PCI-01 R/hh/22-169	Approval of Fateh Jhang as Wood Source for PCI-01R Works.PCI-01R	
185.	28.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrz/22-170	Lux Contact Resistance and Insulation Resistance Measurement.PCI-01R	
186.	28.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrz/22-171	Reply for Approval of Ethernet Network and Data Switches Brand and Model.PCI-01R	
187.	28.06.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-172	Reply to Contractors Submission of Cost & Time for Additional Work.PCI-01R	
188.	28.06.22	DHC/Dasu/CGICOP/PCI-01 R/pls/22-173	Submission of Resource Loaded Schedule of PCI-01R	
189.	28.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-174	Lock Sample for Wooden Door in Colony Buidings.PCI-01R	
190.	29.06.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-175	Reminder Establishment of Dispute Board.PCI-01R	
191.	30.06.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-177	Slow Progress of Construction Activities at Project Colony.PCI-01R	
192.	30.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrz/22-178	Request for Cables Manufacturer Approval of MS Ages for the External Electrification Works.PCI-01R	
193.	30.06.22	DHC/Dasu/CGICOP/PCI-01 R/mrz/22-179	Design for Floor Pattern Paint Color Inside & Outside Aluminum Frame Color Detail for the Security Guard.PCI-01R	
2.12 Dasu RV				
Dasu Office				
194.	04.06.22	DHC/Dasu/KGL/RV/mrd/22-037	Slow Progress of Construction Works at Choochang Site (Contract Dasu RV)	
195.	11.06.22	DHC/Dasu/KGL/RV/cad/22-038	Extension of the Contractors Insurance Policies RV	
196.	11.06.22	DHC/Dasu/KGL/RV/cad/22-039	Defect Liability Certificate RV	
197.	14.06.22	DHC/Dasu/KGL/RV/cad/22-040	Extension of the Contractor's Insurance Policies	
198.	16.06.22	DHC/Dasu/KGL/RV/you/22-041	Sharing of Present Employees List along with Police Clearance Certificates	
199.	20.06.22	DHC/Dasu/KGL/RV/pls/22-044	Request to Provide Revised Schedule for Remaining Scope of Works for RV	
200.	21.06.22	DHC/Dasu/KGL/RV/kan/22-045	Response to Completion Certificate of Relocated Plots at Choochang Site-1.RV	
201.	27.06.22	DHC/Dasu/KGL/RV/shf/22-047	Proposal for Design Supply Installation Testing and Commissioning of Solar System for Project Office and Category-1 & 2 Houses at Project Colony.RV	
202.	30.06.22	DHC/Dasu/KGL/RV/mrd/22-049	Stoppage of Works at Choochang Site.RV	
2.13 EM-01				
Dasu Office				
203.	02.06.22	DHC/Dasu/GEPC/EM-01/sn/ 22-135	The Reply for Dasu Generator FE Calculation Report of Stator Frame Upper Bracket, Generator Load on Foundation for Approval	
204.	02.06.22	DHC/Dasu/GEPC/EM-01/sn/ 22-136	Reply for 022-15.02.02 Lower Bracket FE calculation Report and Detail	
205.	04.06.22	DHC/Dasu/GEPC/EM-01/pls/ 22-139	Resource Loaded Schedule of EM-01 Contract (Reminder)	
206.	03.06.22	DHC/Dasu/GEPC/EM-01/sn/ 22-140	Reply to the interface request about the DAM Control for CSCS	
207.	07.06.22	DHC/Dasu/GEPC/EM-01/sn/ 22-141	Reply to Submit revised CSCS Architecture drawing and Design Memo	
208.	07.06.22	DHC/Dasu/GEPC/EM-01/sn/ 22-142	Reply for Discharge and Operating Law calculation submission for Approval	
209.	07.06.22	DHC/Dasu/GEPC/EM-01/zic/ 22-144	Comments on the Revised Construction Environmental Action Plan for Dasu EM-01	
210.	10.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-145	Claim No. EM-01C-02 Additional Cost and Time due to Delayed Handover of Camp Area	
211.	13.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-146	Claim No. EM-01-C-02 Contractors Final Claim Report for Delayed Handing Over of Camp Area (4.442 ha) EM-01	
212.	15.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-148	Submission of Revised Retaining Wall Drawing	
213.	16.06.22	DHC/Dasu/GEPC/EM-01/ you/22-149	Sharing of Present Employees List along with Police Clearance Certificates	

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Sr. No	Date	Letter No.	Subject	Remarks
214.	20.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-150	Notice of Claim -Additional Cost of Temporary Fencing and Ground Leveling.EM-01	
215.	20.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-151	Basic Design Drawing of Draft Tube Cone Submission for Approval.EM-01	
216.	20.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-152	Cost Comparison Report for Construction of Boundary Wall at EM-01 Site Camp.EM-01	
217.	22.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-154	Additional Cost of Temporary Fencing and Ground Leveling.EM-01	
218.	22.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-155	Re-Submission of Protection Single Line Diagram and Protection Management System Configuration.EM-01	
219.	23.06.22	DHC/Dasu/GEPC/EM-01/ ys/22-156	Arrange Joint Site Inspection for EM-01 Camp	
220.	23.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-157	Reply for the Basic Design Distributor Layout Drawing Submission for Approval.EM-01	
221.	23.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-159	Additional Cost Due to Change in Laws and Regulations Under the Contract.EM-01	
222.	25.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-160	Contractors Request for Adopting Absolute Value Instead of Basic Index Figures in Price Adjustment Under the Contract.EM-01	
223.	25.06.22	DHC/Dasu/GEPC/EM-01/ ys/22-161	General Layout of Switchyard Compound.EM-01	
224.	27.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-162	Mechanical Drawings of Man Inlet Valve for Approval.EM-01	
225.	27.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-163	Submit the Generator Fire Protection P&ID and Design Memo.EM-01	
226.	27.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-164	Reply the Comments of Control System Signaling Principle Drawing Naming Rules & Mimic Basic Principle.EM-01	
227.	29.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-166	Coordination Meeting Data for Construction Schedule with MW-02	
228.	28.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-167	Proposal Spare Parts for Turbine Instrument.EM-01	
229.	28.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-168	Submission of Turbine Instrument List.EM-01	
230.	29.06.22	DHC/Dasu/GEPC/EM-01/ ys/22-169	Comments for the RCC Retaining Wall and Design Calculation.EM-01	
231.	29.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-170	Welded Structure - UT & PT& MT Testing Procedure for Approval.EM-01	
232.	29.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-171	Clarification About the Minimum Cross Section for VT Cable.EM-01	
233.	30.06.22	DHC/Dasu/GEPC/EM-01/ ys/22-172	Comments on Master Plan and Design Drawings of EM-01 Camp	
234.	29.06.22	DHC/Dasu/GEPC/EM-01/ cad/22-173	Proposal on Temporary Storage for Equipment.EM-01	
235.	30.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-175	Modification the Doc.Status of Generator PID.EM-01	
236.	30.06.22	DHC/Dasu/GEPC/EM-01/ sn/22-176	GE Reply for Dasu Generator Electrical and Ventilation Calculation.EM-01	
2.14 LADP RB-14				
Dasu Office				
237.	11.06.22	DHC/Dasu/IKAN/RB-14/mfn/ 22-016	Submission of Weekly Progress Report	
238.	21.06.22	DHC/Dasu/IKAN/RB-14/mfn/ 22-017	LADP-JB-Prolongation Cost of EOT-1	
2.15 Dasu LADP-MI-1				
Dasu Office				
239.	01.06.22	DHC/Dasu/KGL/MI-1/njm/22-047	Car Parking Shed Complete	
240.	01.06.22	DHC/Dasu/KGL/MI-1/shf/22-048	External Electrical Works	
241.	02.06.22	DHC/Dasu/KGL/MI-1/njm/22-049	Boundary wall Grill Rate Analysis	
242.	16.06.22	DHC/Dasu/KGL/MI-1/you/22-051	Sharing of Present Employees List along with Police Clearance Certificates	
243.	27.06.22	DHC/Dasu/KGL/MI-1/shf/22-053	Testing of 200 KVA Transformer.MI-1	
2.15 Dasu LADP-MI-2				
Dasu Office				
244.	01.06.22	DHC/Dasu/KGL/MI-02/njm/ 22-016	Reconstruction of Jamia Mosque, Komila - Plaster on Concrete and Block Masonry Joints	
245.	04.06.22	DHC/Dasu/KGL/MI-02/njm/ 22-017	Approval of Construction Materials Sources and Manufacture	
246.	04.06.22	DHC/Dasu/KGL/MI-02/njm/ 22-018	Revise Design of Minaret and New Retaining wall	
247.	16.06.22	DHC/Dasu/KGL/MI-02/njm/ 22-019	Sharing of Present Employees List along with Police Clearance Certificates	
248.	23.06.22	DHC/Dasu/KGL/MI-02/njm/ 22-020	LADP-JMK-F.F Hall Wall Location	
2.16 Dasu LADP SA-01				

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Sr. No	Date	Letter No.	Subject	Remarks
Dasu Office				
249.	01.06.22	DHC/Dasu/KGL/SA-01/ zia/ 22-031	Minutes of Meeting, Sanitation and Sewerage system for Komila and Dasu (SA-01)	
250.	01.06.22	DHC/Dasu/KGL/SA-01/mfn/ 22-032	Contractor's Project Manager	
251.	09.06.22	DHC/Dasu/KGL/SA-01/mfn/ 22-034	Hindrances at Site	
252.	10.06.22	DHC/Dasu/KGL/SA-01/mfn/ 22-035	Provisional Approval of Contractor's Project Manager	
253.	21.06.22	DHC/Dasu/KGL/SA-01/ahs/ 22-036	LADP-SSKD-Mobilization of ESHS Officer	
254.	23.06.22	DHC/Dasu/KGL/SA-01/ahs/ 22-039	LADP-SSKD-Contractors Commitment to Ensure Safety at Site and Stoppage of Work	
255.	25.06.22	DHC/Dasu/KGL/SA-01/zia/ 22-041	LADP-SSKD-Method Statement and Recovery Schedule	
256.	30.06.22	DHC/Dasu/KGL/SA-01/mfn/ 22-042	LADP-SA-01-Utilization of Advance Payment	
2.17 Dasu LADP PKG-01				
Dasu Office				
257.	04.06.22	DHC/Dasu/KGL/PKG-01/ows /22-007	Handing Over of Initial Survey Control Points	
258.	06.06.22	DHC/Dasu/KGL/PKG-01/mfn /22-009	Approval of Design Engineer	
259.	10.06.22	DHC/Dasu/KGL/PKG-01/mfn /22-011	Stoppage of Joint Survey Work at Dong Nullah	
260.	20.06.22	DHC/Dasu/KGL/PKG-01/hh/22-013	Approval of Concrete Ingredients Sources (PKG-01)	
261.	20.06.22	DHC/Dasu/KGL/PKG-01/ohs/22-014	Approval of ESHS Officer.PKG-01	

APPENDIX F

Detail of Interim Payment Certificates

Appendix F: Details of Interim Payment Certificates

Details of Interim Payment Certificates of KKH-01 – Contractor CCECC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	2,176,756,967	7,257,158.00	01-May-15
2	25-Oct-16	2	05-Nov-16	116,085,061	384,408.90	20-Dec-16
3	20-Mar-17	3	21-Mar-17	115,271,179	384,306.16	15-May-17
4	07-Oct-17	4	09-Oct-17	163,673,731	537,714.66	02-Dec-17
5	02-Jan-18	5	15-Jan-18	140,213,172	467,461.04	27-Feb-18
6	29-Apr-18	6	16-May-18	112,700,084	375,734.32	24-Jun-18
7	13-Jun-18	7	09-Jul-18	137,477,799	294,116.50	08-Aug-18
8	18-Aug-18	8	12-Sep-18	83,900,536	248,588.91	13-Oct-18
9	20-Oct-18	9	07-Nov-18	115,514,185	327,895.98	15-Dec-18
10	22-Dec-18	10	02-Jan-19	54,277,538	153,159.67	16-Feb-19
11	29-Jan-19	11	13-Feb-19	117,014,088	295,608.67	26-Mar-19
12	28-Apr-19	12	13-May-19	83,570,086	218,018.53	23-Jun-19
13	01-Jul-19	13	12-Jul-19	111,832,242	262,033.71	26-Aug-19
14	26-Aug-19	14	13-Sep-19	186,836,976	487,212.82	21-Oct-19
15	24-Nov-19	15	22-Dec-19	60,357,019	167,948.08	19-Jan-20
16	17-Feb-20	16	13-Mar-20	80,325,069	188,092.50	13-Apr-20
17	31-Mar-20	17	28-Apr-20	103,054,752		26-May-20
18	03-Jul-20	18	27-Jul-20	117,062,441	299,271.45	28-Aug-20
19	03-Oct-20	19	30-Oct-20	541,814,894	244,433.16	28-Nov-20
20	10-Nov-20	20	07-Dec-20	126,355,008	161,772.28	05-Jan-21
21	04-Mar-21	21	02-Apr-21	89,700,027	217,810.42	29-Apr-21
22	30-Apr-21	22	30-May-21	218,335,017	131,214.31	25-Jun-21
23	17-Jul-21	23	14-Aug-21	123,748,647	1,564.06	11-Sep-21
24	19-Oct-21	24	16-Nov-21	148,233,396		14-Dec-21
25	22-Feb-22	25	21-Mar-22	46,553,333	388,294.83	19-Apr-22
26	19-Jun-22	27	21-Jun-22	3,351,431,289	11,173,440.91	

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		
				Local Currency	Foreign Currency	Due Date
1	20-May-17	1 (Adv. Pay)	22-May-17	2,146,910,052	10,590,008	12-Jun-17

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		
				Local Currency	Foreign Currency	Due Date
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	379,956,163	1,616,583.00	01-May-15
2	08-Sep-16	2	28-Sep-16	30,718,272	127,214.05	03-Nov-16
3	24-Nov-16	3	28-Nov-16	33,046,440	140,751.14	19-Jan-17
4	17-Mar-17	4	18-Mar-17	25,337,809	107,803.64	12-May-17
5	31-May-17	5	06-Jun-17	19,217,560	75,637.40	26-Jul-17
6	29-Sep-17	6	22-Oct-17	15,836,928	67,380.67	24-Nov-17
7	18-Jan-18	7	22-Jan-18	29,111,263	119,640.59	15-Mar-18
8	25-May-18	8	07-Jun-18	29,282,076	124,585.00	20-Jul-18
9	19-Oct-18	9	06-Nov-18	27,200,193	115,728.00	14-Dec-18
10	22-Feb-19	10	27-Feb-19	18,068,304	76,874.00	19-Apr-19
11	13-May-19	11	30-May-19	18,051,845	76,804.00	08-Jul-19
12	12-Jul-19	12	02-Aug-19	15,616,281	66,441.90	06-Sep-19

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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

**Total Amount in LC & FC (1USD=100.73PKR)
(LC70:FC30)** 1,253,632,006 5,274,229

Total Amount Certified including LC & FC (Rs.) 1,784,905,057

Accepted Contract Amount **2,713,972,595**

Disbursement Progress with respect to ACA **65.77%**

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

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25	18-Feb-19	2019/01	21-Feb-19	19,061,264		04-Apr-19
26	06-Apr-19	2019/02	06-Apr-19	20,399,754	6,172.99	21-May-19
27	04-May-19	2019/03	06-May-19	9,149,766		18-Jun-19
28	15-Jun-19	2019/04	21-Jun-19	7,950,672		30-Jul-19
29	22-Jul-19	2019/05	25-Jul-19	8,566,498		05-Sep-19
30	02-Sep-19	2019/06	11-Sep-19	14,717,898		17-Oct-19
31	10-Oct-19	2019/07	16-Oct-19	10,560,040		24-Nov-19
32	08-Nov-19	2019/08	12-Nov-19	21,865,545		23-Dec-19
33	21-Nov-19	2019/09	27-Nov-19	14,948,404		05-Jan-20
34	13-Dec-19	2019/10	17-Dec-19	9,763,128		27-Jan-20
35	13-Jan-20	35	16-Jan-20	6,289,821		27-Feb-20
36	05-Feb-20	36	15-Feb-20	8,269,057		21-Mar-20
37	08-Mar-20	37	11-Mar-20	16,622,182		22-Apr-20
38	12-Apr-20	38	17-Apr-20	14,685,515		27-May-20
39	06-May-20	39	11-May-20	8,674,392		20-Jun-20
40	20-Jun-20	40	29-Jun-20	11,492,085		04-Aug-20
41	14-Jul-20	41	16-Jul-20	17,479,360		28-Aug-20
42	28-Aug-20	42	28-Aug-20	15,535,731	641,006.25	12-Oct-20
43	12-Sep-20	43	16-Sep-20	22,738,054		27-Oct-20
44	29-Oct-20	44	03-Nov-20	18,357,848		13-Dec-20
45	13-Nov-20	45	18-Nov-20	79,002,100		28-Dec-20
46	22-Dec-20	46	28-Dec-20	18,101,938	12,934.08	05-Feb-21
47	22-Jan-21	47	27-Jan-21	28,895,993		08-Mar-21
48	26-Feb-21	48	26-Feb-21	18,046,595		12-Apr-21
49	22-Mar-21	49	27-Mar-21	12,177,261		06-May-21
50	11-Apr-21	50	15-Apr-21	105,933,373		26-May-21
51	15-Apr-21	51	24-Apr-21	8,659,218		30-May-21
52	18-Jun-21	52	26-Jun-21	22,498,685		02-Aug-21
53	06-Jul-21	53	08-Jul-21	22,274,250		20-Aug-21
54	24-Aug-21	54	02-Sep-21	6,968,066		08-Oct-21
55	24-Sep-21	55	01-Oct-21	5,436,112		08-Nov-21
56	06-Dec-21	56	15-Dec-21	14,485,408		20-Jan-22
57	18-Jan-22	57	27-Jan-22	8,255,319	17,028.08	04-Mar-22
58	08-Feb-22	58	11-Feb-22	119,768,095		25-Mar-22
59	23-Mar-22	59	24-Mar-22	27,388,195		07-May-22
60	22-May-22	60	27-May-22	8,921,704		08-Jul-22

Total Amount in LC & FC 1,409,123,196 1,307,509

Accepted Contract Amount **Rs 1,583,325,237** **\$ 2,017,927**

Disbursement Progress with respect to ACA **89%** **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		
				Local Currency	Foreign Currency	Due Date
1	12-Jul-19	1 (Adv. Pay)	17-Jul-19	130,963,036		07-Aug-19
2	09-Mar-20	2	25-Mar-20	19,802,834		22-Apr-20
3	09-May-20	3	20-May-20	9,411,827		17-Jun-20
4	15-Aug-20	4	24-Aug-20	24,116,398		21-Sep-20
5	10-Oct-20	5	26-Oct-20	15,274,462		23-Nov-20
6	10-Dec-20	6	20-Dec-20	19,475,809		17-Jan-21
7	01-Feb-21	7	25-Feb-21	14,543,732		25-Mar-21
8	02-Apr-21	8	16-Apr-21	13,480,239		14-May-21
9	04-Jul-21	9	24-Jul-21	6,466,245		21-Aug-21
10	22-Nov-21	10	25-Nov-21	5,016,366		23-Dec-21
11	01-Apr-22	11	15-Apr-22	6,534,788		13-May-22

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		
				Local Currency	Foreign Currency	Due Date
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	83,204,565	1,343,848	25-Jul-17
2	02-Jul-19	2	27-Jul-19	10,967,224	244,073.58	27-Aug-19
2	18-Oct-19	3	18-Oct-19	5,704,559	126,953.95	13-Dec-19
4	01-Feb-20	4	10-Feb-20	7,097,482	157,953.19	28-Mar-20
5	30-Apr-20	5	12-May-20	8,413,484	187,240.57	25-Jun-20
6	20-Sep-20	6	06-Oct-20	14,612,501	315,475.78	15-Nov-20
7	29-Dec-20	7	23-Jan-21	6,767,978	150,620.15	23-Feb-21
8	06-May-21	8	03-Jun-21	8,090,729	127,265.24	01-Jul-21
9	24-Nov-21	9	20-Dec-21	29,671,210	101,302.52	19-Jan-22
10	31-Dec-21	10	24-Jan-22	59,080,621	172,441.90	25-Feb-22
11	13-Apr-22	11	27-Apr-22	58,760,674	94,065.32	08-Jun-22

Total Amount in LC & FC (1USD = 104.8462 PKR)
(LC 30:FC 70)

	292,371,027	2,927,175
<i>Total Amount Certified including LC & FC (Rs.)</i>	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		
				Local Currency	Foreign Currency	Due Date
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	75,233,228	1,222,084	25-Jul-17
2	05-Feb-20	2	18-Feb-20	5,697,404	126,794.70	01-Apr-20
3	05-Jun-20	3	15-Jun-20	6,263,338	139,389.45	31-Jul-20
4	09-Nov-20	4	01-Dec-20	5,732,406	127,573.68	04-Jan-21
5	03-Dec-20	5	29-Dec-20	7,530,157	167,582.29	28-Jan-21
6	05-Jul-21	6	24-Jul-21	8,933,670	198,817.22	30-Aug-21
7	25-Dec-21	7	08-Jan-22	7,712,692	171,644.56	19-Feb-22
8	28-Mar-22	8	23-Apr-22	36,548,959	150,462.38	23-May-22

Total Amount in LC & FC (1USD = 104.8462 PKR)
(LC 30:FC 70)

	153,651,854	2,304,348
<i>Total Amount Certified including LC & FC (Rs.)</i>	395,254,014.63	
Accepted Contract Amount	1,016,820,466	
Disbursement Progress with respect to ACA	38.87%	

Details of Interim Payment Certificates of RBRV-11 – Contractor M/s CR17B						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	28-Sep-17	1 (Adv. Pay)	02-Oct-17	54,937,530	182,814	23-Oct-17

Total Amount in LC & FC (1USD = 105.3 PKR)
(LC 70:FC 30)

	54,937,530	182,814
<i>Total Amount Certified including LC & FC (Rs.)</i>	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 with out establishing cause-effect link.
		On 14/10/18, Contractor submitted his claim for running cost of Dasu office - [Mar 2017 to Aug 2018]	7,836,150		-		The Engineer asked the Contractor to provide justification for the subject claim. Awaiting Contractor's substantiation.
		On 13/08/18, Contractor submitted Cost Claim - Extension of Workman Insurance	6,236,907		5,597,225		The Engineer recommended Interim entitlements- dated 13-Oct-2018. The Employer agreed to include the Claim Cost 5,330,690 excluding the 'Profit' in IPC. (dated Employer's letter 24-03-2020) Claim Paid.
		On 08/04/19, Contractor submitted Cost Claim - Extension of CAR Insurances	62,860,388		58,410,095		Employer accorded approval on 23/10/20 to pay 55,628,662 PKR, as per actual receipts.
		On 18/05/19, Contractor submitted Cost Claim - Extending the Advance Payment and Performance Guarantees	2,337,028	319,282	913,470	259,661	The Employer was requested to verify the supporting doc of the claim - dated 1-Jun-2019. The Initial assessment of the claim was sent to both parties for their agreement.(dated 23-Dec-2019). Awaiting the Employer's Response
		On 18/08/19, Contractor submitted Claim for 2nd extension of Workmen Compensation (WC) policy with effect from 1st August 2019 to 31 July 2020	4,820,243		4,265,702		Actual reimbursement for 2nd extension of WC Insurance policy may be agreed - [21-April-2020]. On 27-April-2020, Contractor's agreement subject to few condition was conveyed to Employer. Employer shared MSC comments. Engineer replied on 4-Oct-2020. Employer replied to process it after 3rd EOT approval.
		23-02-2022, Contractor's Cost claim regarding extension of Insurances and Guarantees	156,432,253	510,140	130,918,270	481,256	<i>the Engineer issued his assessment/determination on 25-04-2022</i>
2	KKH-01/C-5 Force Majeure-Heavy Rainfal and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to heavy rain caussed land sliding and blockage of KKH					<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 motified 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 motified 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

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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:16-109)</i> 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 Disruption and Delay in Site Possession		104,304,865		-		The Engineer's replied dated 20/07/2017. Principle of claim was approved. Contractor's substantiation for Additional cost awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.
		On 13/01/19 Contractor submitted Price adjustment claim for period of Sep 2016 to Sep 2018	15,527,857				The Engineer forwarded his recommendation to the Employer on 20-3-2019. The WAPDA agreed in principle, however on basis of actual additional cost instead of using Formulae. The Engineer asked the Contractor to submit detail claim EOT wise (19/12/19). Contractor's substantiation awaited
		On 04/08/18 Contractor submitted claim for Reimbursement of Premium- Extension of Workman Insurance	2,873,330		2,578,930		The Engineer recommended Interim entitlements - dated 13-Oct-2018. The Employer agreed to include the Claim Cost 2,455,838 excludes the 'Profit,' in IPC. (dated Employer's letter 25-03-2020) Claim Paid.
		On 08/04/19 Contractor submitted claim for 2nd Extension of Workman's Insurance	2,851,616		2,649,721		Engineer's assessment shared with both parties on 28/05/19. The Contractor partially agreed. The Employer has accorded formal approval as per insurer verified receipts i.e., Rs 2,523,554/- [DHC Ref: 115 dated 14-July-2020]. Claim Paid.
		On 09/08/20 Contractor submitted claim for Extension of Workers Compensation (WC) Insurance Policy from 9th March 2020 to 8th March 2021	2,190,993				Engineer will proceed Sub-Clause 3.5 [Determinations], after the 4th EOT is accorded by the Employer and/or the Engineer completes its assessment on EOT. [31-Aug-2020].
		On 08/04/19 Contractor submitted claim for Extension of All Risk Insurance Works, Equipment and Third party liability	12,132,400		11,273,469		Engineer's assessment shared with both parties on 28/05/19. The Contractor partially agreed. The Employer has accorded the formal approval as per the insurer verified receipts i.e., Rs 10,736,637 - [DHC Ref: 115 dated 14-July-2020]. Claim Paid.
		On 18/05/19 Contractor submitted Claim - Extending the Advance Payment Guarantee and Perfonnance Guarantee	4,683,011	70,888.15	2,348,945.00	60,581.25	The Employer was requested to verify the supporting doc of the claim. <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, Contractor'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 Rainfal and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to haevy rainfal and land sliding (Force Majuere)					<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-6Delayed 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 campaction 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

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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
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]					<i>DHC letter - dated 12-Oct-2019 (Ref:202)</i> 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					<i>DHC letter dated 24-July-2020 (Ref:124)</i> 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.					<i>DHC letter - dated 29-June-2020 (Ref:104)</i> 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					<i>DHC letter - dated 24-Aug-2021 (Ref:096)</i> 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.					<i>DHC letter- dated 27th Dec 2021 (Ref: 137)</i> 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 landslidg as RAR-01/C-15					<i>DHC letter-dated 08-Sep-2021 (Ref:105)</i> 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					<i>DHC letter-dated 02-June-2022 (Ref:054)</i> 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.
	TL-01/C-1 2nd Interim claim Overhead Claim (Management, offices camp etc) - [Indirect Cost]	On 04/03/19, Contractor submitted Overhead Claim (Management, offices camp etc) - [Indirect Cost] claim for the period of April 2018 to April 2020	149,088,173		119,786,095		Employer's approval to pay recieved on 31-1-22. Claim Paid.
	Chinese Staff's Social Insurance	On 06/07/20, Contractor submitted Chinese Staff's Social Insurance June 2016 to December 2019	65,054,640				Contractor agreed that this claim to be considered alongwith other Management claim.
	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-7Care & 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 assesment submitted on 10-Jul-2018. The Employer agreed with PM Assesment. Contractor replied on 12-11-19 that he did not agrred with PM assesment.
		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 Assesment. Contractor replied on 12-11-19 that he did not agrred with PM assesment.
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 submssion
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 submssion
17	TL-01/C-10 Slow Progress by Land Owner's Labour	On 12/03/21, Contractor notified Notice for additional cost due to Slow Progress by Land Owner Labour hired to assist the Employer in resolving RoW issue					<i>PM replied via DHC/Dasu/PCCC/TL-01/CAD/22-015 dated 24th January 2022</i> Awaiting for Contractor's detailed submssion
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	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in the					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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	Price due to change in legislation	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 principle 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, 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 to Labour Strike	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 Corina Virus (2019-nCoV)	Contractor submitted nos. of interim Direct Cost claim for the Period up to 31 Jan 2021					The Engineer provided detailed response on 9/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract. Principle of Claim denied.
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			152,971,684	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 Labour Strike	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 2019DHC/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			64,889,257	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		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.

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4	LBRV-11/C-07 Suspension of Works and unforeseeable physical conditions	On 11/09/19, Contractor submitted Notice of Claim - Unforeseeable Man-Made Physical Obstructions and Suspension of Works at RD 0+ 730 on Khoshe Site-1 Permanent Access Road					The responsibility for the safety-related issues rests with the Contractor. Hence, Sub-Clause 4.12 [Unforeseeable Physical Conditions] seems irrelevant under the prevailing Site conditions. <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 dated 8-April-2020 (Ref:044)
6	LBRV-11/C-09 Idle Cost Claim and Extension of Time due firing incidence at Logro Tunnel	On 11/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.	1,068,116.00		256,280.00		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 23rd 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 loss 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			22,075,487	-	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 11-Feb-2019 (Ref:016). 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 dated 2-April-19 (Ref:027) Contractor's submission dated 2-May-19 (Ref:028) Engineer replied dated 6-May-19 (Ref:033)
3	LBRV-12/C-02a Nasirabad-1 & 2 Site's Access Road	on 22/09/2019 Contractor notified Claim -Due to Stoppage Work by 80 member dam committee at Nasirabad-1&2 Sites.	1,341,148.80		547,679		Employer accorded approval to pay in IPC 22-12-2021 Claim Paid
4	LBRV-12/C-03 Extension of Guarantees	On 31/05/19, Contractor notified Claim for Additional Costs for extending performance & advance security					Engineer replied dated 10-Jun-2019 (Ref:043 & 044) <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 dated 8-April-2020 (Ref:044)
6	LBRV-12/C-05 Idle Cost Claim and Extension of Time due firing incidence at Logro Tunnel	On 11/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.	516,020.00		186,077.00		Employer accorded approval to pay in IPC 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 concern 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 construction 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 Cost 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 <i>dated 28-Dec-2019</i>
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 od Drawing, Masjid Location and Non-Approval of Extension of Time	on 26 October 2021, Contractor has submitted Early Warning under Clause 31 and provided his intention to claim under Clause 27 & 42				The Engineer's on 09-November-2021 registered the claim and requested the contractor to maintain and submit contemporary record regard the events.
Details of Claims/Notifications of EM-01 – Joint Venture (GE-PC JV)						
1	EM-01/C-01 Potential Impact of Covid-19 Outbreak	On 17/08/2021 the Contractor 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	Previous RCC building changed to Prefabricated building. Revised Instruction issued on 16-10-2020. Revised VO under Finalization. Payment is being made on provisional basis in IPCs
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				22,530,266,747	

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 in progress.
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	V0/001: 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

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6	VO-006: Supply, Installation & Commissioning of Overhead Water Tanks for Project Office & Residences Category-2 Buildings	3,229,430	-	3,229,430	The Engineer issued his determination on 25-05-2022
7	VO-007: Providing & Installation of geotextile on weep holes before the backfilling of retaining walls complete in all respect	371,670	-	371,670	Signed VO issued on 14-09-2021
8	VO-008: External Water Supply to Uchar Site-1	8,466,376	-	8,466,376	Signed VO issued on 14-09-2021
9	Water Supply from Indus River (1st Stage) From Intake to Treatment Plant (existing KKH-01)	88,176,234 (p)		88,176,234 (p)	The Contractor requested to consider the cost of treatment plant and pumps on Provision Sum basis, therefore, when he will submit the quotations, the VO will be finalized accordingly.
	Water Supply from Indus River (2nd Stage) (From existing KKH-01 to Colony Water Tank)	93,076,945 (p)	-	93,076,945 (p)	The rates for 2nd stage has been issued to the Contractor on 13th August 2021. For, pipe related items, the mutually agreed rates were issued to the Contractor on 29th Dec 2021. VO shall be issued after finalization of all rates.
10	VO-010: Modification of Power Cable Size at Project Colony	29,103,816	(20,450,032)	8,653,784	The Engineer on 01 March 2022 has issued a draft VO via letter DHC/Dasu/CGICOP/PCI-01R/CAD/22-059 to the Employer and to the Contractor for review and consent.
11	VO-011: Supply and Instalation of False Ceiling (Gypsum Board) in Project Office Building. -False Ceiling of Plaster of Paris(Reduced Work)	4,782,748	4564382	218,366	Issued to the Contractor on 14 June 2022
12	VO-012:Supply and Instalation of Expansion Joint Filler and Backing Rod in Project Office, Community Centre, Hostel Cat-3 and Hospital Buildings	5,974,500		5,974,500	Issued to the Contractor on 14 June 2023
13	VO-013 Omission of 08 Units of Category-4D and Adjacent Road (S-11)		150,991,700	(150,991,700)	Issued to the Contractor on 20 June 2023
Total				105,991,766	

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	The agreement on the rates was made on 12th August 2021 between the Employer and the Contractor. VO is ready for the Signature.
3	VO-003- Slope Protection at Khoshe Site-1	117,010,745	-	117,010,745	The agreement on the rates was made on 12th August 2021 between the Employer and the Contractor. VO is ready for the Signature.
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 Shatial Museum Site	2,906,868	-	2,906,868	The Engineer has issued a variation order to the Employer and Copy to the Contractor for their consent via letter DHC/DASU/WAPDA/Dasu-RV/imt/21-047 dated 1st April 2021
Total				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	1,784,905,057	65.77%	498	408	518	16-Jul-20	Work Inprogress. EOT underprocess.
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	1,409,123,196	89.00%	488	427	514	17-May-20	Work Inprogress. EOT underprocess.
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	2,489,305,374	50.80%					Work Inprogress EOT underprocess.
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 Comencement	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 underprocess.
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	395,254,015	38.87%	318			07-Nov-20	Work Inprogress. 2nd EOT underprocess.
12	DASU-RBRV-11	18-Aug-16	27-Feb-17	25-Apr-17	To be Decided	364	Depend on Comencement	PKR 370,939,497	3,522,692	3,522,692	74,187,844	20.00%					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 Carggo (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-2022	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-2022	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-Dec-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	4-Aug-2022			4-Aug-2022	4-Aug-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-2024	PKR 27,468,765.00 USD 91,407.00	24-Aug-2024					
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-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-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

May- 2022

	26 Thu.	27 Fri.	28 Sat.	29 Sun.	30 Mon.	31 Tue.
Diversion Tunnel A INLET	Left Wall K0+002.3 ~0-033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Steel Fixing Part 1 Right Wall Steel Fixing Lunch break Steel Fixing Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3~0-033 No Work Right Wall K0+002. 3~0-033 No Work Middle pier K0+002.3~0-035 Steel Fixing Part 1 Right Wall & Left Wall Steel Fixing Lunch break Steel Fixing Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002 ~0-033 Steel Fixing Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Fixing of formwork Part 1 Right Wall & Left Wall Steel Fixing Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002 ~0-033 Fixing of Formwork Right Wall K0+002.3~0-033 No Work Middle pier K0+002 ~0-035 Fixing of formwork Part 1 Right Wall & Left Wall Steel Fixing Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002 ~0-033 No work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Fixing of formwork Part 1 Right Wall & Left Wall Formwork Fixing Part 2 & 3 Crown Fixing of Scaffolding for crown concrete Part 1 Only Left Wall Pouring of concrete 16m3	Left Wall K0+002 ~0-033 Fixing of formwork Right Wall K0+002.3~0-033 Steel Fixing Middle pier K0+002. 0-035 Fixing of form work Part 1 Right Wall Pouring of concrete Total Quantity 128m3 Part 2 & 3 Crown Fixing of Scaffolding for crown concrete Part 1 Left Wall Pouring of concrete Total Quantity 128m3 Green cutting
Diversion Tunnel A UNDER GROUND	INVERT Left Side side K0+370~0+400 Invert cleaning for lean concrete Left Side K0+340~0+300 Excavation with Jack Hammer Outlet coffer Dyke El.775.7 ~778.5 No Work Part 2 K1+456~1+481 Crown Steel Fixing Part 2 Left & Right Wall K1+456~1+481 Fixing of Formwork	K0+970~ Remedial shotcrete on walls INVERT Left Side side K0+360~0+400 Invert cleaning for lean concrete Left Side K0+420~0+430 No Work Excavation with Jack Hammer Left Side K0+440~K0+460 Excavation & Mucking	INVERT Left Side side K0+360~0+400 Invert cleaning for lean concrete Left Side K0+400~K0+460 Excavation with jack hammer and mucking Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Fixing of Formwork Part 2 Left & Right Wall K1+456~1+481 Pouring of concrete QTY (222m3)	INVERT Left Side side K0+370~0+400 Invert cleaning for lean concrete Left Side K0+420~K0+490 Excavation with jack hammer and mucking Left Side K0+400~ Excavation with Jack Hammer Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown No work Part 2 Left & Right Wall K1+456~1+481 Pouring of concrete Total Quantity 452m3	INVERT Left Side side 0+370 ~0+400 Invert cleaning for lean concrete Left Side K0+460 0+520 Excavation with jack hammer and mucking Left Side 0+770 0+790 Excavation with jack Hammer Outlet coffer Dyke El.775.7 ~778.5 No Work Part 2 K1+456 ~1+481 Crown Formwork Fixing Part 2 Left & Right Wall K1+456~ 1+481 Curing	INVERT Left Side side K0+310~0+400 Invert cleaning for lean concrete Removal of undercut with Jack Hammer Left Side K0+430 ~K0+460 Excavation with jack hammer & invert cleaning Left Side K0+760 ~K0+790 Excavation with jack Hammer Left side K0+600~ Loading & Mucking Left Side K0+750~730 Invert Excavation with Jack Hammer Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Formwork Fixing Chipping & Cleaning
Diversion Tunnel B INLET	Roof Slab Fixing of Scaffolding for crown concrete Left Wall Fixing of Formwork Part 2 & 3 Shifting of Steel for Crown concrete	Roof Slab Fixing of Scaffolding for crown concrete Left Wall No work Part 2 & 3 Shifting of Steel for Crown concrete	Roof Slab Fixing of Scaffolding for crown concrete Right Wall No work Shifting of scaffolding Part 2 & 3 Shifting of Steel for Crown concrete	Roof Slab Fixing of Scaffolding for roof Slab Right Wall No work Part 2 & 3 Crown Steel Fixing for crown concrete	Roof Slab Fixing of Scaffolding for roof Slab Right Wall No work Part 2 & 3 Crown Steel Fixing for crown concrete	Roof Slab Fixing of Scaffolding for roof Slab Part 2 & 3 Crown Steel Fixing for crown concrete
Diversion Tunnel B UNDER GROUND	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No.04 Right Wall Green Cutting & Curing Removal of Formwork Part No.05 Right Wall	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No.04 Left Wall No Work Part No.05 Left Wall Fixing of Steel Part No.05 Right Wall	Shear zone area Part No.01 Left Wall Fixing of Scaffolding for crown concrete Shift shuffling Fixing of Scaffolding for crown concrete Part No.04 Left Wall Removing of	Shear zone area Part No.01 Left side Fixing of Scaffolding for crown concrete Fixing of Scaffolding for crown concrete Part No.04 Left Wall No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No.04 Right Wall Steel Fixing Part No.05 Left Wall Formwork Fixing Part No.05	Shear zone area Part No.01 Right Side Fixing of Scaffolding for crown concrete Part No.04 Right Wall Steel Fixing Part No.05 Right Wall

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	Fixing of Steel Part No.04 Left wall Pouring of concrete Chipping Quantity 58m3 Part No.02 Left wall Removal of Scaffolding Invert K0+590-0+602 Curing Dyke Formwork Fixing Pouring of concrete Quantity 30.4m3 No Work Part 2 Removal of Scaffolding Removal of Formwork	No Work U/S Right Side K0+250~K0+230 Excavation & Mucking Invert K0+590-0+578 Fixing of Formwork for invert concrete Pouring of concrete Quantity 249.6m3 K0+638 ~K0+650 Cleaning for invert concrete Fixing of Formwork for invert concrete Dyke Formwork Fixing Part 2 Removal of Scaffolding	formwork Part No.05 Left Wall No Work Part No.05 Right Wall Fixing of form work Part No.02 Right Wall Pouring of concrete QTY (72m3) U/S Right Side K0+250~K0+230 No work Invert K0+638~K0+650 Cleaning for invert concrete Pouring of concrete QTY (263.4m3) Dyke Formwork Fixing Part 2 Removal of Scaffolding	Part No.05 Left Wall No Work Part No.05 Right Wall No Work Part No.02 Left Wall Formwork Fixing U/S Left Side K0+230~ Drilling for additional invert blast Charging blast 23:40Hrs Mucking Invert K0+566~K0+578 Cleaning for invert concrete Survey for Form work Pouring of concrete Total Quantity 248m3 K0+650~K0+662 Cleaning for invert concrete Dyke Formwork Fixing Part 2 No Work	Right Wall No Work Steel Fixing Part No.02 Left Wall Pouring of concrete Total Quantity 63m3 Part No 2 Right Wall Removal of Formwork U/S Right Side K0+230~K0+260 Invert excavation Left Side K0+240~ K0+220 Mucking Invert K0+566~K0+578 Surface Finish K0+650~K0+662 Cleaning for invert concrete K0+566~K0+554 Formwork Fixing for invert concrete Dyke Formwork Fixing Pouring of concrete Quantity 138 m3 Part 2 No Work	Fixing of Form work Part No.02 Left Wall Removal of Formwork Part No 5 Left Wall No Work Removal of Scaffolding Fixing of Formwork U/S Invert K0+650~K0+662 Cleaning for invert concrete Pouring of concrete Total Quantity 247m3 K0+566~K0+554 Formwork Fixing for invert concrete cleaning for invert concrete Pouring of concrete (142m3) Dyke Pouring of concrete Quantity 173.2m3 No Work Part 2 Removal & Cleaning of Scaffolding
Traffic Diversion Tunnel	K0+398~ Excavation & Mucking Scaling Geological mapping Install of thickness pin Execution of 1st layer shotcrete (8m3) K0+376~ K0+386 Execution of 2nd layer shotcrete (24m3) K0+380~K0+388 Fixing of Wire mesh	K0+400~ Survey for blast Drilling for blast Charging Blast 19:10Hrs mucking geological mapping Execution of 1st Layer shotcrete (8m3) Outlet Drilling for blast Fixing of wire mesh	K0+404~ Drilling for blast Charging Blast 21:20Hrs Mucking Geological mapping 1st layer shotcrete QTY (6m3) K0+374~ K0+384 Spraying remedial shotcrete QTY (6m3) K0+397~ K0+407 Drilling for rockbolts Outlet Drilling for blast Fixing of wiremesh	K0+390~K0+405 Grouting & Install of rockbolts 40 peices installed K0+384~K0+381 Drilling for additional blast Charging blast 18:10Hrs Mucking & Scaling Execution of 1st Layer shotcrete Elevation 865~870 Grouting & install for rock bolts 100 pieces installed Fixing of wiremesh Execution of 1st layer shotcrete (1m3)	K0+384~K0+388 Fixing of wire mesh K0+388~ K0+405 Fiixng of wiremesh Outlet Execution of shotcrete (1.5m3)	K0+388~K0+396 Fixing of wire mesh Fixing of wire mesh Execution of 2nd Layer shotcrete (16m3) Execution of 2nd Layer shotcrete (8m3) K0+408.5~ Drilling for blast Charging blast 3:35Hrs Outlet Execution of shotcrete
Uchar New Crushing plant	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Excavation & Mucking Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Retaining wall No. 6 No work Foundation Gallery 2 Removal of Formwork Gallery foundation 1 No Work Crush plant sand storage yard foundation and work shop foundation Pouring of concrete Foundation & columns) Steel Fixing	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Gallery foundation 1 Excavation Crush plant sand storage yard foundation and workshop 1 & 2 foundation Curing Foundation & Columns work shop 1) Fixing of Formwork (workshop 2 foundation)	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Gallery foundation 1 Excavation Crush plant sand storage yard foundation and workshop 1 & 2 foundation Fixing of Formwork (workshop 2 foundation) pouring of concrete (work shop 2 foundation Removal of Formwork (workshop 2) Fixing of form work (workshop 1) Fixing of reinforcement for	Retaining wall No. 2 Stone masonry Leveling concrete Retaining Wall No.4 Stone masonry Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 Gallery foundation 1 Excavation 8 Crush plant sand storage yard foundation and workshop 1 & 2 foundation Fixing of Formwork (workshop 2 foundation) Removal of Formwork (workshop 2) Fixing of formwork (workshop 1) Fixing of reinforcement for foundation of crush plant	Retaining wall No. 2 Stone masonry Leveling concrete Retaining Wall No.4 Stone masonry Retaining wall No. 7 No Work Install of Formwork Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Gallery foundation 1 Excavation & Mucking Crush plant sand storage yard foundation and workshop 1 & 2 foundation Fixing of Formwork (workshop 2 foundation) Fixing of Formwork (workshop 2 foundation) Fixing of Formwork (workshop 2) Fixing of Formwork (workshop 2)	Retaining wall No. 2 Stone masonry Removal of Formwork Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Gallery foundation 1 Compaction & Formwork Fixing Compaction & Formwork Fixing Crush plant sand storage yard foundation and workshop 1 & 2 foundation Steel Fixing (Crush plant Foundation) Steel Fixing (Crush plant Foundation) Excavation (Batching plant area) Steel Fixing (workshop 1 Foundation)

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			foundation of crush plant		Fixing of Form work Fixing of reinforcement for foundation of crush plant Fixing of reinforcement for foundation of crush plant	
Cable crane foundation (Right Bank)	Drilling for rock dowels & Shifting of dowels	Shifting of dowels & other Material	Shifting of dowels & other Material	Shifting of dowels & other Material	Shifting of dowels & other Material	Drilling for Dowels & Shifting of dowels
Kass Camp	PK-Block SectionB Fencing work PK-Block SectionA No Work FC-Block Stone masonry retaining wall Chinese Block Section A No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B No work Project leadership dormitory Section A No Work Water Tank No Work Boundary Wall Making pre-cast concrete slab & Pillers for boundary wall Wash Rooms No work Road side Stone masonry retaining wall	PK-Block SectionB No Work PK-Block Section c Install of sewerage pipe line Dumping FC-Block Stone masonry retaining wall Chinese Block Section A No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B Stone masonry retaining wall Project leadership dormitory Section A No Work Water Boundry Wall Making pre-cast concrete slab & Pillers for boundary wall Wash Rooms No work Road side Stone masonry retaining wall	PK-Block SectionB No Work PK-Block Section c Install of sewerage pipe line Backfilling FC-Block Stone masonry retaining wall Chinese Block Section A No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory SectionB No Work Project leadership dormitory Section A No Work Water Boundry Wall Making pre-cast concrete slab & Pillers for boundary wall Wash Rooms Brick Masonry wall Road side Stone masonry retaining wall	PK-Block SectionB No Work PK-Block Section c Install of sewerage pipe line Excavation & Leveling FC-Block Stone masonry retaining wall Chinese Block Section A No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B Stone masonry retaining wall Project leadership dormitory Section A No Work Water Boundry Wall Making pre-cast concrete slab & Pillers for boundary wall Wash Rooms Brick masonry wall Road side Stone masonry retaining wall	PK-Block Section B Installtion of pre cast rooms PK-Block Section c Install of sewerage pipieline FC-Block Stone masonry retaining wall Chinese Block Section A No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B Stone masonry retaining wall Project leadership dormitory Section A No work Chinese personal staff dormitory Section B Stone masonry retaining wall Project leadership dormitory Section A Install of pre cast rooms Water Tank No Work Boundry Wall Making pre-cast concrete slab & Pillers for boundary wall Wash Rooms No work Road side Stone masonry retaining wall	PK-Block SectionB No work PK-Block Section c No work FC-Block No work Chinese Block Section A No work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B No work Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms No work Road side No work
CR-5-2 / LU-2	K0+430~ Excavation & Mucking	K0+430~ Drilling for additional blast Charging	K0+430~ Excavation	K0+430~ Excavation & Mucking	K0+430~ Excavation & Mucking	K0+430~ Excavation & Mucking

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Date/Day Location	1 Wed.	2 Thu.	3 Fri.	4 Sat.	5 Sun.
Diversion Tunnel A INLET	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No Work Roof Slab Fixing of Scaffolding for Roof Slab Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 Arrangement for concrete Roof Slab Fixing of Scaffolding for Roof Slab Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No Work Roof Slab Fixing of Scaffolding for Roof Slab Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No Work Roof Slab Fixing of Scaffolding for Roof Slab Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No Work Roof Slab Fixing of Scaffolding for Roof Slab Part 2 & 3 Crown Fixing of Scaffolding for crown concrete
Diversion Tunnel A UNDER GROUND	INVERT Left Side side K0+500-0+540 Removal of undercut with Jack Hammer	INVERT Left Side K0+420-K0+500 Invert cleaning for lean concrete Invert cleaning for lean	INVERT Left Side K0+280-K0+300 Invert excavation with jack hammer Invert excavation with jack hammer	INVERT Left Side K0+320 -K0+360 Invert cleaning for lean concrete Invert cleaning for lean concrete Left Side K0+430-K0+460	INVERT Left Side K0+320-K0+360 Invert cleaning for lean oncrete Left Side K0+470-K0+510

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	Invert cleaning for lean concrete Left Side K0+770~K0+810 Excavation with Jack Hammer Left Side K0+360~K0+400 Pouring of lean concrete Total Quantity 78m3 Left Side K0+310~K0+340 Invert cleaning & Excavation with Jack Hammer Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Arrangement for concrete Lunch break Arrangement for concrete Pouring of concrete Quantity 445m3	concrete Left Side K0+360~K0+320 Invert cleaning for lean concrete Invert cleaning for lean concrete Left Side K0+760~K0+780 Excavation with jack Hammer Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Curing	Left Side K0+300~K0+320 Invert Excavation with excavator Invert excavation & Mucking Left Side K0+330~K0+350 Invert cleaning for lean concrete Invert cleaning for lean concrete Left Side K0+430~K0+470 Invert cleaning for lean concrete Left Side K0+620~K0+680 Mucking Left Side K0+690~K0+780 Excavation with Jack Hammer Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Removal of Formwork	Invert cleaning for lean concrete Left Side K0+690~K0+700 Invert Excavation with Jack Hammer Invert Excavation with Jack Hammer Left Side K0+360~ No Work Removal of under break with jack Hammer Left Side K0+422~K0+470 Pouring of concrete Total Quantity 144m3	Invert cleaning for lean concrete Left Side K0+780~K0+820 Invert Excavation with Jack Hammer Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Removal of Formwork
Diversion Tunnel B INLET	Roof Slab Fixing of Scaffolding for roof Slab Part 2 & 3 Crown No Work Part 1 Left Wall Steel Fixing	Roof Slab Fixing of Scaffolding for roof Slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of Scaffolding for roof Slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of Scaffolding for roof Slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of Scaffolding for roof Slab Part 2 & 3 Crown Steel Fixing
Diversion Tunnel B UNDER GROUND	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No.04 Right Wall No Work Part No.05 Right Wall & Left Wall Fixing of Formwork Pouring of concrete (Right Wall) 1:15Hrs~6:30Hrs Total Quantity 56m3 U/S Invert K0+650~K0+662 Surface finishing K0+566~K0+554 Pouring of concrete Total Quantity 241.8m3 Dyke Removal of Formwork Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No.04 Right Wall No Work Part No.05 Left Wall Fixing of Formwork Pouring of concrete Total Quantity 56m3 U/S K0+224~ Drilling for blast Charging Blast 1:15Hrs Excavation & Mucking Invert K0+662 ~K0+674 Fixing of Formwork for invert concrete Pouring of concrete Quantity 244m3 K0+554~ K0+542 Fixing of Formwork for invert concrete cleaning for invert concrete Pouring of concrete Total Quantity 241.8m3 Dyke Fixing of Formwork Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 5 Left Wall Steel Fixing U/S Invert K0+662~K0+674 Surface Finishing K0+554~K0+542 Pouring of concrete Surface Finishing Total Quantity 241.8m3 K0+542~0+530 Cleaning and Formwork Fixing K1+200~ Excavation Dyke Fixing of Formwork Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 5 Right Wall Steel Fixing Part No 5 Left Wall Formwork Removal & Steel Fixing U/S Invert K0+530~K0+542 Cleaning for invert concrete K0+674~K0+686 Cleaning for invert concrete K1+260~ Drilling for blast Charging Blast 11:35Hrs Mucking Drilling for blast Dyke Fixing of Formwork Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 5 Left Wall Formwork Fixing U/S Invert K0+530~K0+542 Formwork Fixing Pouring of concrete Total Quantity 258.5m3 K0+674~K0+686 Formwork Fixing Pouring of concrete Total Quantity 211.3m3 K0+686~K0+698 Formwork Fixing Dyke Fixing of Formwork Arrangement for concrete Pouring of concrete Quantity 70m3 Part 2 No Work
Traffic Diversion Tunnel	K0+408.5~ Mucking & Scaling K0+410.5~ Drilling for blast Charging Blast 1:20Hrs Mucking K0+384~K0+387 Grouting for missing Rockbolts 16 pieces grouted	K0+410.5~ Mucking & Scaling Geological Mapping Arrangement for 1st layer shotcrete Execution of 1st Layer shotcrete (8m3) Lunch break K0+383~K0+396 Execution of 2nd layer shotcrete (8m3) K0+412.5~ Drilling for blast Drilling for blast	K0+412.5~ Arrangement for 1st layer shotcrete Execution of 1st Layer shotcrete Drilling for Rockbolts K0+415~ Survey for blast Drilling for blast Charging Blast 19:35Hrs Mucking Execution of 1st layer shotcrete Outlet Execution of shotcrete	K0+406~K0+417 Drilling for Rockbolts Grouting & Install of Rockbolts K0+417~ Drilling for blast Charging Blast 1:40Hrs Mucking & Scaling	K0+417~K0+419 Geological Mapping (Q value 1.5) Execution of 1st layer shotcrete (6m3) K0+420~ Survey for blast Drilling for blast Charging Blast 17:50Hrs Mucking Geological mapping (Q Value 2.3) Execution of 1st layer Shotcrete (8m3) K0+423~ Survey for blast Drilling for blast K0+396~K0+400 Fixing of wiremesh Excavation, Scaling & Leveling

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		Charging Blast 23:30Hrs Mucking Drilling for additional blast			
Uchar New Crushing plant	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Fixing of Formwork Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Gallery foundation 1 Formwork Fixing Crush plant sand storage yard foundation and workshop 1 & 2 foundation Steel Fixing (Crush plant Foundation) Excavation (Batching plant area) Steel Fixing (Workshop 2) Excavation For Access	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 2 No Work Gallery foundation 1 Formwork Fixing Crush plant sand storage yard foundation and workshop 1 & 2 foundation Formwork Fixing (Crush plant columns) Pouring of concrete (crush plant Foundation) Formwork Fixing (Crush plant columns) Batching Plant Area Excavation	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Retaining Wall No.8 Stone masonry Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 1 No Work Gallery foundation 2 Steel Fixing Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Excavation (Workshop No 3) Steel Fixing (Aggregate workshop 2) Steel & Formwork Fiixng (Sand & vertical workshop) Batching Plant Area Excavation	Retaining wall No. 2 No Work Retaining Wall No.4 Stone masonry Retaining Wall No.8 Stone masonry Retaining wall No. 7 No Work Retaining wall No. 6 No work Foundation Gallery 1 No Work Gallery foundation 2 Steel Fixing Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Excavation (Workshop No 3) Batching Plant Area Excavation	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Retaining Wall No.6 Stone masonry Retaining wall No. 1 Excavation & Mucking Retaining wall No. 8 Stone masonry Foundation Gallery 1 No Work Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Steel Fixing (Workshop No 2) Excavation & Mucking (Workshop No 3) Excavation & Mucking
Cable crane foundation (Right Bank)	Drilling for Dowels & Shifting of dowels	Drilling for Dowels & Shifting of dowels	Drilling for Dowels & Shifting of dowels	Drilling for Dowels	Drilling for Dowels
Kass Camp	PK-Block Section B No work PK-Block Section D Install of precast concrete rooms Leveling concrete (21m3) FC-Block Chinese Block Section A No work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B No work Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms Plaster work Install of sewage pipe lines Road side Stone masonry	PK-Block Section B No work (Local people stoped work) PK-Block Section D Install of precast concrete rooms Leveling concrete 21m3) FC-Block No work Chinese Block Section A No work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B No work Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms Plaster work Install of sewage pipe lines Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B Install of edge protection PK-Block Section C Install of precast concrete rooms FC-Block No work Chinese Block Section D Leveling concrete Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B No work Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms Plaster work Install of sewage pipe lines Road side Stone Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C Install of precast concrete rooms FC- Block No work Chinese Block Section D Install of edge protection Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B Install of precast concrete rooms Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms Plaster work Install of sewage pipe lines Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C Pouring of leveling concrete FC-Block No work 7:30Hrs-17:30Hrs Chinese Block Section D No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B No Work Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms Plaster work Stone masonry Road side Stone masonry Excavation, Leveling & Dumping
CR-5-2 / LU-2	No Work	No Work	Excavation & Mucking	No Work	Drilling for blast Charging Blast 17:30Hrs

Date/Day Location	6 Mon.	7 Tue.	8 Wed.	9 Thu.	10 Fri.
Diversion Tunnel A INLET	Left Wall K0+002.3~ 0- 033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Removal of Scaffolding	Left Wall K0+002.3~0-033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Cleaning Roof Slab	Left Wall K0+002.3~0- 033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Chipping & Cleaning Roof Slab No Work Part 2 & 3 Crown Install of Scaffolding	Left Wall K0+002.3~0- 033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 No Work Base Slab Cleaning Part 2 & 3 Crown Install of Scaffolding	Left Wall K0+002.3~0-033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 No Work Base Slab Cleaning Part 2 & 3 Crown Fixing of Scaffolding

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	Roof Slab Fixing of Scaffolding for Roof Slab Part 2 & 3 Crown Fixing of Formwork	No Work Part 2 & 3 Crown Install of Scaffolding			
Diversion Tunnel A UNDER GROUND	INVERT Left Side K0+320 ~K0+360 Invert cleaning for lean concrete Invert cleaning for lean concrete Total Quantity 166m3 Left Side K0+470~K0+510 Invert cleaning for lean concrete Left Side K0+220~ Invert Excavation with Jack Hammer Left Side K0+710~ Invert cleaning for lean concrete Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Removal of Scaffolding	INVERT Left Side K0+275~K0+310 Invert cleaning for lean concrete Left Side K0+220~K0+270 Invert Excavation with Jack Hammer Left Side K0+470~510 Invert cleaning for lean concrete Pouring of concrete Quantity 181m3 Outlet coffer Dyke El.775.7~778.5 Fixing of Formwork Part 2 K1+456~1+481 No Work	INVERT Left Side K0+280~K0+320 Invert cleaning for lean concrete Pouring of concrete Quantity 144m3 Left Side K0+240 ~K0+270 Invert Excavation with Jack Hammer Invert cleaning for lean concrete Left Side K0+540~K0+510 Invert cleaning for lean concrete Outlet coffer Dyke El.775.7~778.5 Fixing of Formwork Part 2 K1+456~1+481 No Work	NVERT Left Side K0+240 ~ K0+280 Invert cleaning for lean concrete Left Side K0+560~K0+510 Invert cleaning for lean concrete Outlet coffer Dyke El.775.7~778.5 Fixing of Formwork Part 2 K1+456~1+481 No Work	INVERT Left Side K0+240 ~K0+280 Invert cleaning for lean concrete Left Side K0+120~K0+170 Invert cleaning for lean concrete Left Side K0+510~K0+550 Invert cleaning for lean concrete Left Side K0+690~ Excavation with Jack Hammer Left Side K0+170~K0+210 Excavation with Jack Hammer Outlet coffer Dyke El.775.7~778.5 Fixing of Formwork Pouring of concrete Quantity 251.6m3 Part 2 K1+456~1+481 No Work
Diversion Tunnel B Inlet Portal	Roof Slab Fixing of Scaffolding for roof Part 2 & 3 Crown Steel Fixing for roof slab	Roof Slab Fixing of Scaffolding for roof Part 2 & 3 Crown Steel Fixing	Roof Slab Shifting of steel Fixing of Scaffolding for roof slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of scaffolding for roof slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of scaffolding for roof slab Part 2 & 3 Crown Steel Fixing
Diversion Tunnel B UNDER GROUND	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 5 Left Wall Formwork Fixing Left+Center K1+210~ Drilling for blast U/S Invert K0+530~K0+518 Formwork Fixing Pouring of concrete Quantity 120m3 K0+698~K0+686 Formwork Fixing Cleaning Pouring of concrete Outlet tDyke Pouring of concrete Quantity 120m3 Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Steel Fixing (Left Wall) Part No 5 Left Wall Formwork Fixing U/S Invert K0+530 ~K0+518 Pouring of concrete Quantity 240m3 Surface Finishing 0+698~K0+686 Surface Finishing K0+506~K0+518 Formwork Fixing & Cleaning 0+698~K0+710 Pouring of concrete Total Quantity 246.9m3 Surface Finishing Center K1+430~K1+440 Charging for blast Blast 1:10Hrs Excavation & Mucking Dyke Removal of Formwork Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Fixing of Scaffolding for crown concrete Part No 5 Left Wall Formwork Fixing Part No 5 Right Wall Steel Fixing Formwork Fixing Part No 1 Left Wall Formwork Fixing U/S Invert K0+506~K0+518 Cleaning for invert concrete Pouring of concrete Quantity 251.2m2 Surface finishing K0+698~K0+710 Surface Finishing K0+506~K0+494 Cleaning for invert concrete 0+710~K0+722 Cleaning for invert concrete Pouring of concrete Quantity 90m3 Center K1+430~K1+440 Excavation & Mucking Dyke Removal of Formwork Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 1 Left Wall No Work Fixing of Formwork Part No 5 Right Wall Formwork Fixing Part No.4 Left Wall Steel Fixing U/S Invert K0+506~K0+494 Cleaning for invert concrete Total Quantity 260.5m3 K0+710~K0+722 Pouring of concrete Total Quantity 244.8m3 Surface Finishing K0+722~K0+734 Fixing for invert concrete Cleaning & Fixing of Formwork Pouring of concrete Quantity 50m3 Dyke Removal of Formwork Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 2 Left Wall Steel Fixing Part No 1 Right Wall Steel Fixing Part No.4 Left Wall No Work U/S Invert K0+482~K0+494 Cleaning for invert concrete Pouring of concrete Total Quantity 263m3 Surface Finishing K0+722~K0+734 Pouring of concrete Total Quantity 246m3 Surface Finishing Dyke Curing Part 2 No Work
Traffic Diversion Tunnel Portal	K0+424~ Drilling for blast Charging Blast 15:10Hrs Mucking & Scaling K0+396~K0+405 Fixing of wiremesh Outlet Excavation, Scaling & Leveling	K0+417~K0+425 Drilling for Rockbolts Grouting for Rockbolts 31 Pieces Installed Grouting for Rockbolts K0+410~K0+417 Grouting for remaining Rockbolts 5 Pieces Installed K0+396~ K0+406 Fixing of wiremesh Execution of 2nd layer shotcrete	K0+410~K0+417 Fixing of wiremesh Execution of 2nd layer Shotcrete K0+424~ Excaavation & Mucking K0+427~ Survey & Marking for blast Drilling for blast Charging Blast 5:45Hrs Outlet Drilling for blast	K0+428.5~ Survey for blast Drilling for blast Charging Blast 4:10Hrs K0+406~K0+410 Drilling for additional blast Charging Blast 4:10Hrs K0+427~ Excavation & Mucking Geological Mapping Execution of 1st layer shotcrete (8m3) Outlet Excavation & Mucking Scaling	K0+428.5~ Charging Blast 10:30Hrs Excavation & Mucking Geological mapping 1st Layer Shotcrete (8m3) K0+406~K0+410 Blast 10:30Hrs Execution of 1st layer shotcrete (12m3) Drilling for Rockbolts Outlet Charging & Blast Excavation & Mucking

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		(24m3) K0+365~K0+380 Drilling for weapholes K0+412~ Fixing of wiremesh			
Uchar New Crushing plant	Retaining wall No. 2 Stone masonry Backfilling Retaining Wall No.4 Stone masonry Pouring of concrete Retaining Wall No.6 Stone masonry Retaining wall No. 1 Excavation & Mucking Retaining wall No. 8 Stone masonry Foundation Gallery 1 No Work Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Steel Fixing (Workshop No 2) Excavation & Mucking (Workshop No 3) Fixing of Scaffolding (workshop No 1) Fixing of Scaffolding (workshop No 1) Batching Plant Area Excavation & Mucking	Retaining wall No. 2 Stone masonry Backfilling Retaining Wall No.4 Stone masonry Retaining Wall No.6 Stone masonry Retaining wall No. 1 No Work Retaining wall No. 8 Stone masonry Foundation Gallery 1 Steel Fixing Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Steel Fixing (Workshop No 1) Steel Fixing (workshop No 1) Fixing of Formwork (workshop No 2)	Retaining wall No. 2 Stone masonry Backfilling Retaining Wall No.4 Stone masonry Retaining Wall No.6 No Work Retaining wall No. 1 No Work Retaining wall No. 8 Stone masonry Foundation Gallery 1 Steel Fixing Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Steel Fixing for beams (Workshop No 1) 7:30Hrs~17:30Hrs Fixing of Formwork (workshop No 1) Fixing of Formwork (workshop No 1) Compaction & Leveling (workshop No 3) Batching Plant Area Excavation & Mucking	Retaining wall No. 2 Stone masonry Backfilling Retaining Wall No.4 Stone masonry Bcakfilling Stone Masonry Retaining Wall No.6 No Work Retaining wall No. 1 Excavation & Mucking Retaining wall No. 8 Excavation & Mucking Foundation Gallery 1 Steel Fixing Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Charging and blasting (Crush Plant Area) Break down of stones (Crush Plant Area) Break down of stones (Crush Plant Area) Fixing of embaded parts (Crush plant Area) Fixing of scaffolding (workshop 1 & 2) Formwork Fixing (workshop No 2) Batching Plant Area Excavation & Mucking	Retaining wall No. 4 Stone masonry & Backfilling Retaining Wall No.2 Stone masonry & Backfilling Stone Masonry & Backfilling Retaining Wall No.6 No Work Retaining wall No. 1 Excavation & Mucking Retaining wall No. 8 No Work Foundation Gallery 1 Steel Fixing Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Charging and blasting (Crush Plant Area) Break down of stones (Crush Plant Area) Fixing of embaded parts (Crush plant Area) Fixing of scaffolding (workshop 2) Formwork Fixing (workshop No 2) Fixing of steel (workshop No 1 & 2) Batching Plant Area Excavation & Mucking Access Road Stone masonry for retaining wall
Cable crane foundation (Right Bank)	Drilling for Rock Dowels	Drilling for Rock Dowels	Drilling for Rock Dowels	Drilling for Rock Dowels	Drilling for Rock Dowels
Kass Camp	PK-Block Section B No Work PK-Block Section D Install of pre-cast concrete rooms (2nd floor) FC- Block No work Chinese Block Section D No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B Making of wall Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms Plaster work Brick masonry Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C No Work FC-Block No work Chinese Block Section D No Work Chinese personal staff dormitory Section A No work Chinese personal staff dormitory Section B Pouring of leaveling concrete Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms No work Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C No Work FC-Block No work Chinese Block Section D No Work Chinese personal staff dormitory Section A Pouring of leaveling concrete Chinese personal staff dormitory Section B Stone masonry Project leadership dormitory Section A No work Water Tank No work Boundry Wall No work Wash Rooms No work Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C No Work FC-Block No work Chinese Block Section D No Work Chinese personal staff dormitory Section A No Work Chinese personal staff dormitory Section B Stone masonry Project leadership dormitory Section A Pouring of leveling concrete (7m3) Water Tank No work Boundry Wall Making of pre-cast concrete slab Wash Rooms Plaster work Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C No Work FC-Block No work Chinese Block Section D No Work Chinese personal staff dormitory Section A No Work Chinese personal staff dormitory Section B Stone masonry Project leadership dormitory Section A Pouring of leveling concrete (7m3) Water Tank No work Boundry Wall Making of pre-cast concrete slab Wash Rooms Plaster work Road side Stone masonry Excavation, Leveling & Dumping
CR-5-2 / LU-2	K0+400~K0+460 Excavation & Mucking	No Work	No Work	No Work	K0+400~K0+460 Excavation & Mucking

Date/Day Location	11 Sat.	12 Sun.	13 Mon.	14 Tue.	15 Wed.
Diversion Tunnel A INLET	Left Wall K0+002.3-0- 033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No	Left Wall K0+002.3-0- 033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No	Left Wall K0+002.3-0- 033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No	Left Wall K0+002.3-0- 033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0- 035 Cleaning of

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	Work Base Slab No Work Part 2 & 3 Crown No Work	Work Base Slab No Work Part 2 & 3 Crown No Work	Work Base Slab No Work Part 2 & 3 Crown No Work	Work Base Slab No Work Part 2 & 3 Crown No Work	embedded parts Base Slab No Work Part No.2 & 3 Fixing of scaffolding pipes
Diversion Tunnel A UNDER GROUND	INVERT Left Side K0+240 ~K0+280 Invert cleaning for lean concrete Left Side K0+510~K0+550 Invert cleaning for lean concrete Pouring of concrete Total quantity 224m3 Left Side K0+170 ~ K0+200 Invert excavation with jack Hammer Outlet coffer Dyke El.775.7~778.5 Curing Part 2 K1+456 ~1+481 No Work	INVERT Left Side K0+240 ~K0+280 Invert cleaning for lean concrete Pouring of concrete Total Quantity 217m3 Left Side 0+590~K0+550 Invert cleaning for lean concrete Left Side K0+200~K0+240 Invert cleaning for lean concrete Left Side K0+200~K0+160 Invert Excavation & Mucking Outlet coffer Dyke El.775.7~778.5 Formwork Fixing Lunch break Formwork Fixing No Work Part 2 K1+456 ~1+481 No Work	INVERT Left Side K0+580 ~K0+540 Invert cleaning for lean concrete Left Side K0+200~K0+240 Excavation with Jack Hammer Mucking Roof Slab Fixing of scaffolding for roof slab Outlet coffer Dyke El.775.7 ~778.5 Formwork Fixing Pouring of concrete Total Quantity 56m3 Part 2 K1+456~1+481 No Work	INVERT U/S Left Side K0+200~0+240 Invert cleaning for lean concrete Left Side K0+130~0+170 Invert cleaning for lean concrete Left Side K0+170~0+200 Invert excavation with the help of jack hammer Mucking INVERT D/S Left Side K0+590~0+550 Invert cleaning for lean concrete Pouring of lean concrete Quantity = 260m3 (continue) Outlet coffer Dyke El.775.7~778.5 Removal of formwork (Dyke)	INVERT U/S Left Side K0+130~0+170 Removal of under break Left Side K0+170~0+240 Invert cleaning for lean concrete Left Side K0+130~0+200 Invert cleaning for lean concrete Left Side K0+200~0+220 , K0+240 ~0+270 Excavation and mucking INVERT D/S Left Side K0+590~0+550 Pouring of lean concrete Quantity poured = 269m3 Left Side K0+590~0+550 Invert cleaning for lean concrete Outlet coffer Dyke El.775.7~778.5 Removal of formwork and scaffolding (Dyke)
Diversion Tunnel B Inlet Portal	Roof Slab Fixing of scaffolding for roof slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of scaffolding for roof slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of scaffolding for roof slab Part 2 & 3 Crown Steel Fixing	Roof Slab Fixing of scaffolding for the roof slab Shifting of scaffolding pipes from the ground to top portion with the help of mobile crane Part No. 2 & 3 (Crown Portion) Install and fixing of reinforcement bars	Roof Slab Fixing of scaffolding for the roof slab Part No. 2 & 3 (Crown Portion) Install and fixing of reinforcement bars Install and fixing of reinforcement bars Fixing of concrete pipes for the crown portion
Diversion Tunnel B UNDER GROUND	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 2 Left Wall No Work Steel Fixing Part No 2 Right Wall No Work Steel Fixing Part No.4 Left Wall No Work U/S Invert K0+734~K0+746 Cleaning for invert concrete Pouring of concrete Total Quantity 250m3 K0+470~K0+482 Cleaning for invert concrete Pouring of concrete Quantity 240m3	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No 2 Left Wall No Work Part No 2 Right Wall No Work Part No.4 Left Wall No Work U/S Invert K0+758~0+746 Cleaning for invert concrete Fixing of Formwork Pouring of concrete Total Quantity 259.5m3 K0+470~0+482 Pouring of concrete Total Quantity 263.2m3 Surface Finishing K0+470~K0+458 Fixing of Formwork for invert concrete Cleaning for invert concrete Dyke No Work Part 2 No Work	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Assembling of scaffolding Part No 2 Left Wall No Work Part No 2 Right Wall No Work Part No.4 Left Wall No Work U/S Invert K0+758~K0+746 Surface Finishing K0+470~K0+458 Pouring of concrete Quantity 266.4m3 Surface Finishing K0+446~ K0+446 Cleaning for invert concrete K0+758 ~K0+770 Cleaning for invert concrete Pouring of concrete Quantity 266.7m3 Surface Finishing Dyke No Work Part 2 No Work	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~K0+782 Cleaning for invert concrete Pouring of concrete K0+446~K0+458 Cleaning for invert concrete Pouring of concrete Total Quantity 248.4m3 Dyke No Work Part 2 No Work	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
Traffic Diversion Tunnel	K0+426~K0+430 Drilling for rockbolts Grouting & Install of rockbolts K0+406~K0+410 Grouting for rockbolts Wiremesh Fixing K0+432.5~ Survey for blast Drilling for blast	K0+406~K0+410 Wire mesh Fixing Execution of 2 nd layer shotcrete 24m3 K0+432.5~ Charging for blast Blast 19:40Hrs Excavation & Mucking Outlet Drilling for blast	K0+435.~ Survey for blast Drilling for blast Charging Blast 18:40Hrs Excavation & Mucking Invert Excavation & Mucking K0+424~K0+430 Wiremesh Fixing Outlet Fixing of wire mesh	K0+420~ Fixing of Wire mesh K0+437~ Charging and blasting Mucking and scaling K0+409.5~ Survey for blast Drilling for blast Charging and blasting Outlet El.867.5 ~865.5 Fixing of Wire mesh Drilling for rock bolts	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)

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Uchar New Crushing plant	Retaining wall No. 4 Stone masonry Retaining Wall No.2 Excavation & Leveling Retaining Wall No.6 No Work Retaining wall No. 1 Excavation & Mucking Retaining wall No. 8 No Work Foundation Gallery 1 Steel Fixing Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Break down of stones (Crush Plant Area) Fixing of embaded parts (Crush plant Area) Fixing of scaffolding (workshop 2) Formwork Fixing (workshop No 21 Fixing of steel (workshop No 1 & 2) Batching Plant Area Excavation & Mucking Access Road Stone masonry for retaining wall	Retaining wall No. 3 Excavation Retaining Wall No.2 Stone masonry Retaining Wall No.5 No Work Excavation Retaining wall No. 1 No Work Retaining wall No. 8 No Work Foundation Gallery 1 No Work Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Break down of stones (Crush Plant Area) Fixing of embaded parts (Crush plant Area) Formwork Fixing (workshop No 2) Fixing of steel (workshop No 1 & 2) Steel fixing for columns & beams (workshop No 1) Batching Plant Area Excavation & Mucking Access Road Stone masonry for retaining wall	Retaining wall No. 3 Excavation & Mucking Retaining Wall No.4 Stone masonry Excavation Retaining Wall No.5 No Work Retaining wall No. 1 No Work Retaining wall No. 8 No Work Foundation Gallery 1 No Work Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Fixing of embaded parts (Crush plant Area) Formwork Fixing (workshop No 1 & 2) Formwork Fixing (workshop No 1 & 2) Batching Plant Area Excavation & Mucking	Retaining wall No. 3 Excavation Stone masonry Excavation Retaining Wall No.4 Stone masonry Retaining Wall No.5 No Work Excavation Retaining wall No. 1 No Work Retaining wall No. 8 No Work Foundation Gallery 1 No Work Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 3 foundation Fixing of embaded parts (Crush plant Area) Formwork Fixing (workshop No.1 and 2) Fixing of steel (workshop No 1 & 2) Steel fixing for columns & beams (workshop No 1) Pouring of concrete at Fine and semi aggregate work shop No,2 Batching Plant Area Excavation & Mucking	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 Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop1,2 & 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)	Drilling for Rock Dowels	Drilling for Rock Dowels	Drilling for Rock Dowels	No Work	Drilling for Rock Dowels
Kass Camp	PK-Block Section B No Work PK-Block Section C No Work FC-Block White washing (painting) Chinese Block Section D No Work Chinese personal staff dormitory Section A No Work Chinese personal staff dormitory Section B Stone masonry Project leadership dormitory Section A Stone masonry Water Tank No work Boundry Wall Making of pre-cast concrete slab Wash Rooms Plaster work & Brick masonry Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C 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 A Stone masonry Water Tank No work Boundry Wall Making of pre-cast concrete slab Wash Rooms Brick masonry Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C 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 A Stone masonry Water Tank No work Boundry Wall Making of pre-cast concrete slab Wash Rooms Brick masonry Road side Stone masonry Excavation, Leveling & Dumping	PK-Block Section B No Work PK-Block Section C 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 Boundry 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	PK-Block Section B No Work PK-Block Section C 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 Boundry 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 exacation

Date/Day Location	16 Thu.	17 Fri.	18 Sat.	19 Sun.	20 Mon.
Diversion Tunnel A INLET	Install of formwork at crown portion Left Wall K0+002.3-0-033 No Work Right Wall K0+002	Left Wall K0+002.3- 0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 No	Left Wall K0+002.3-0-033 No Work Right Wall K0+002.3-0-033 No Work Middle pier K0+002.3-0-035 Base Slab

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	~0-033 No Work Middle pier K0+002.3~0-035 No work Base Slab No Work Part No.1 Crown Install of reinforcement Grinding of wall face Part No.3 Crown Fixing of formwork	Cleaning and washing Base Slab No Work Part No.2 & 3 Fixing of formwork for crown portion	No Work Base Slab No Work Part No.1 & 2 Fixing of scaffolding pipe and shifting scaffolding pipe to crown porion	Work Base Slab No Work Part No.1 & 2 Fixing of scaffolding pipe and shifting scaffolding pipe to crown porion	No Work Part No.1 & 2 Fixing of scaffolding
Diversion Tunnel A UNDER GROUND	INVERT U/S Right Side K0+130~0+170 Invert cleaning for lean concrete Pouring of lean concrete Quantity 96m3 Left Side K0+170~0+240 Excavation with jack hammer Invert cleaning for lean concrete INVERT D/S Left Side K0+590~ 0+630 Invert cleaning for lean concrete Left Side K0+630~0+690 Excavation by excavator Outlet coffer Dyke EI.775.7~778.5 Curing of concrete (Dyke)	INVERT U/S Left Side K0+170~0+240 Invert cleaning for lean concrete Left Side K0+330~0+350 Excavation by Jack hammer and excavator INVERT D/S Left Side K0+590~0+630 Invert cleaning for lean concrete Total quantity poured = 184m3 (Mix design C-20) Left Side K0+630~0+670 Cleaning and excavation by excavator	INVERT U/S Left Side K0+170~0+200 Invert cleaning for lean concrete Invert cleaning and excavation with jack hammer Left Side K0+200~0+240 Invert cleaning for lean concrete Pouring of invert lean (leveling) concrete Total quantity poured = 164m3 (Mix design C-20) Right Side K0+280~ Excavation and mucking INVERT D/S Left Side K0+630~0+670 Invert cleaning for lean concrete Left Side 0+670 ~0+710 Excavation and mucking Right Side K1+080~1+135 Invert cleaning and fixing of formwork for 1m concrete Removal of scaffolding	INVERT U/S Left Side K0+170~0+200 Invert excavation with jack hammer and cleaning the surface for lean concrete Right Side K0+360~ Excavation and mucking Right Side K0+280~ Invert excavation with jack hammer INVERT D/S Left Side K0+630~0+670 Excavation and cleaning of invert for lean concrete Pouring of lean (leveling) concrete Total quantity poured (Mix-Design C-20) = 232m3 Left Side K0+590~0+630 Excavation and mucking Right Side 1+113~1+125 Invert cleaning and fixing of formwork for 1m concrete	INVERT U/S Left Side K0+170~0+200 Pouring of lean (leveling) concrete Total quantity poured (Mix-Design C-20) = 79m3 Right Side K0+402~0+360 Invert cleaning for lean (leveling) concrete Right Side K0+290~0+350 Removing under cut with jack hammer Right Side K0+270~0+330 Excavation with jack hammer Right Side K0+380~0+400 Drilling for invert under cut blast Charging and blasting Mucking INVERT D/S Left Side K0+670~0+710 Invert cleaning for lean (leveling) concrete Left Side K0+700~0+800 Excavation and mucking Right Side K1+000~1+100 Invert cleaning and washing surface for preparing surface for 1m concrete
Diversion Tunnel B Inlet Portal	Roof Slab Fixing of scaffolding for the roof slab Part No. 2 & 3 (Crown Portion) Install and fixing of reinforcement bars	Roof Slab No work Part No. 2 & 3 Making access for crown portion	Roof Slab Fixing of formwork Part No. 2 & 3 Adjustment of formwork and scaffolding	Roof Slab Fixing of formwork and scaffolding Part No. 2 & 3 Fixing of formwork and scaffolding	Roof Slab Fixing of formwork and scaffolding Middle pier K0+002.3~0-035 8th Lift Poruring of concrete Total quantity poured (Mix-design A25)= 201m3 Part No. 2 & 3 Fixing of formwork and scafoldinig
Diversion Tunnel B UNDER GROUND	Shear zone area Part No.01 Fixing of Scaffolding (Crown Portion) and reinforcement Part No 2 No Work Part No 3 No Work Part No.4 No Work Part No.5 No Work Invert Right side K0+782 ~0+794 120m3 Cleaning of invert and fixing of formwork for bedding concrete Cleaning of invert for bedding concrete Pouring of concrete Total Quantity poured = 130m3 Left side K0+422~0+434 120 m3 Cleaning of invert for bedding concrete Pouring of concrete Total Quantity poured = 130m3 Right and Left side K0+410~0+422 Cleaning of invert for bedding concrete K1+130~1+145 Excavation and mucking	Shear zone area Part No .01 Fixing of Scaffolding (Crown Portion) Part No 2 Install of reinforcement Part No 3 No Work Part No.4 No Work Part No.5 Fixing of scaffolding at right side Invert Left side K0+782~0+794 120 m3 Cleaning for the invert (1m) concrete Right side 0+794~ 0+7806 Finishing Left side K0+422~0+434 120 m3 Finishing Right side K0+422~0+434 120 m3 Cleaning of invert for the invert (1m) concrete and arrangement Pouring of concrete Total Quantity poured = 126m3 (Mix design A-25/50mm) Right and Left side K0+410~0+422	Shear zone area Part No.01 Fixing of Scaffolding (Crown Portion) Part No 2 Install of reinforcement Part No 3 No Work Part No.4 (5th lift) Install of reinforcement Part No.5 No Work Invert Left side K0+782~0+794 Fixing of formwork for the invert (1m) concrete Right side K0+806~0+818 Fixing of formwork for the invert (1m) concrete Pouring of concrete Total Quantity 121m3 (Mix design A-25/50mm) Finshing Left side K0+410~0+422 Cleaning for the invert (1m) concrete Pouring of concrete Total Quantity 130m3 (Mix design A-	Shear zone area Part No. 01 Fixing of Scaffolding Part No 2 No Work Part No 3 No Work Part No.4 Making access for both walls Install of reinforcement at right wall Part No.5 (6th lift) K0+339~0+350 Pouring of concrete Total Quantity 64m3 (Mix-design A-25/25mm) Invert Left side K0+782~ 0+794 Pouring of invert 1m concrete Total Quantity 135m3 (Mix design A-25/50mm)Right side K0+818~0+830 Fixing of formwork for the invert (1m) concrete Pouring of invert 1m concrete Total Quantity poured = 119m3 (Mix design A-25/50mm)	Shear zone area Part No. 01 Fixing of Scaffolding (Crown Portion) Part No 2 Fixing of Scaffolding (Crown Portion) Part No 3 Right wall (6th Lift) Install of reinforcement Part No.4 Left wall (5th Lift) Fixing of scaffolding and formwork Part No.5 (6th lift) K0+339 ~0+350 Pouring of concrete at Right wall Total Quantity poured = 56m3 (Mix-design A-25/25mm) Removal of scaffolding from Left wall Install of reinforcement for Left wall (6th Lift) Invert Left side K0+794~0+806 Pouring of invert 1m concrete Total Quantity 120m3 (Mix design A-25/50mm) Left side K0+806 ~0+818 Cleaning surface for the invert 1m concrete Right side K0+410~0+422 Cleaning surface for the invert 1m concrete 3rd Layer Right wall K1+210~1+235

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		Cleaning of invert and fixing of formwork K1+256~1+268 Drilling for blast	25/50mm) K1+240~1+280 Drilling for blast Mucking Charging and blasting Mucking	Right side K0+422~0+434 Pouring of invert 1m concrete Total Quantity 131m3 (Mix design A-25/50mm) Left side K0+410~0+422 Left side K0+398~0+410 Cleaning for the invert (1m) concrete and fixing formwork Right side K0+410~0+422 Cleaning for the invert (1m) concrete and fixing formwork 1+240~1+280 Excavation and mucking	Excavation and mucking Right wall K1+250~1+275 Drilling for blast Charging and blasting 23:30Hrs ~1:20Hrs Excavation and mucking
Traffic Diversion Tunnel Portal	K0+437.5~ Mucking and scaling Applying of 1st layer of shotcrete K0+390~0+404 Applying remedial layer of shotcrete Quantity = 15m3 K0+429~ Marking for drilling Drilling for rock bolts Grouting and install of rock bolts 30 Pieces installed and 3 holes collapsed El.867.5~865.5 Arrangement for shotcrete Applying of 1st layer of shotcrete	K0+441.5~ Survey for blast Drilling for blast Charging (Explosive used 350kg) Blasting 2:41Hrs Mucking and scaling K0+390~0+404 Applying remedial layer of shotcrete Quantity = 15m3 K0+429~0+438.5 Left and right wall K0+396~0+405 Grouting and install of rock bolts 30 Pieces installed at K0+429~0+438.5 8 Pieces installed at K0+396~0+405 1 remaining pieces insatalled at K0+424 El.865.5~ Applying of a layer of shotcrete	K0+441.5~ Mucking and scaling Geological mapping (Q-value = 1.5) Install of thickness pins Applying 1st layer of shotcrete (Quantity = 8m3) K0+396~0+405 (Right and left wall) Applying 2nd layer of shotcrete (Quantity = 8m3) K0+445~ Survey for blast Drilling for blast Charging (Explosive used = 350kg) Blast at 3:35Hrs Mucking El.867~865.5 Applying 1st and 2nd layer of shotcrete Excavation and mucking	K0+445~0+447 Mucking and scaling Geological mapping Install of thickness pins Applying 1st layer of shotcrete (Quantity = 16m3) K0+435.5~0+447 & K0+429~0+438 Marking of rock bolts Drilling for rock bolts Grouting and install of rock bolts El.865.5~ Excavation and mucking	Face chainage of 1st Lift K0+447 K0+406~ Mucking K0+422~0+435 Fixing of wire mesh K0+435~0+447 Fixing of wire mesh 2nd Lift K0+415~ Drilling for blast Charging and blasting 17:00Hrs~19:00Hrs Excavation and mucking 2nd Lift K0+420~ Drilling for blast Charging and blasting El.865.5~ Excavation and mucking
Uchar New Crushing plant	Retaining wall No. 3 Stone masonry Excavation and mucking Retaining Wall No.4 No work Retaining Wall No.5 No Work Retaining wall No. 1 Stone masonry and excavation Stone masonry and excavation Excavation and mucking Retaining wall No. 8 No Work Foundation Gallery 1 No Work Gallery foundation 2 No Work Crush plant sand storage yard foundation and workshop 1,2 & 3 foundation Install of reinforcement of sand vertical workshop 1 & 2 7:30Hrs~17:30Hrs Install of reinforcement of sand vertical work shop 1 & 2 Access road Stone masonry	Retaining wall No. 3 and 4 Stone masonry dumping stone behind retaining walls Batching plant Excavation and mucking Sand vertical workshop Fixing of formwork for workshop No.1 Install of reinforcement for workshop No.2 & 3 Finished corridor Part No.1 Fixing of formwork Access road Protect water pipe and drilling for blast at uchar river side	Retaining wall No. 3 and 4 Stone masonry Retaining wall No. 1 Excavation and mucking Batching plant Excavation Sand vertical workshop Pouring of concrete (Beam and column) for workshop No.1 Fixing of formwork for workshop No.3 Install of reinforcement for workshop No.3 Pouring of lean concrete for workshop No.4 and 5 Gallery foundation Fixing of formwork near stock piles Uchar Nala access road Drilling for blast at uchar Nala side	Retaining wall No. 3 and 4 Stone masonry Excavation at Retaining wall No.4 only Retaining wall No. 1 Excavation and mucking Batching plant Excavation Sand vertical workshop Install of reinforcement for workshop No.1 Pouring of lean concrete for workshop No. 5 Gallery foundation Fixing of reinforcement near stock piles Uchar Nala access road Shallow blasting (Explosive used=150kg) and boulder blasting (Explosive used=6kg) at uchar Nala side Breaking of stone with jack hammer	Retaining wall No. 3 and 4 Stone masonry Excavation at Retaining wall No.4 only Retaining wall No. 1 Excavation and mucking Retaining wall No.8 Stone masonry Batching plant Excavation Crush plant Fixing of scaffolding and formwork at crushing workshop Sand vertical workshop Install of reinforcement for workshop No.2 Install of reinforcement for workshop No.5 Gallery foundation Fixing of reinforcement near stock piles Uchar Nala access road Drilling for shallow hole blasting at uchar Nala side Breaking of stone with jack hammer
Cable crane foundation (Right Bank)	No work	Fixing of PVC pipes with rock bolts	No work due to some geological issue and changing in the design	No work due to some geological issue and changing in the design	Install of rock bolts No. of installed rock bolts =3 (L=10m , dia = 25mm)
Kass Camp	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory install and fixing of formwork for	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory install and fixing of formwork for	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory install and fixing of formwork for	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory Welding of embedded parts at	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory Welding of embedded parts at

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	concrete at Personal staff dormitory Pouring of concrete to construct the base at office building White washing (Painting) Construction of brick masonry wall for washrooms Pre-casting of concrete slabs for boundary wall Excavation, dumping and leveling Excavation and install of sewerage pipeline system	concrete at Personal staff dormitory Pouring of concrete to construct the base at office building White washing (Painting) Construction of brick masonry wall for washrooms Install of Pre-casting of concrete columns and slabs for boundary wall Construction of Pre-cast concrete slabs for boundary wall Excavation, dumping and leveling Excavation and install of sewerage pipeline system	concrete at Personal staff dormitory White washing (Painting) Construction of brick masonry wall for washrooms Install of boundary wall Excavation, dumping and leveling Open fitting for electricity	Personal staff dormitory Install of pre-casted rooms at PMB section c (3rd floor) White washing (Painting) Construction of brick masonry wall for washrooms and plastering the walls Install of boundary wall (Slabs and pillars) Excavation, dumping and leveling Open fitting for electricity Welding of steel stair	Personal staff dormitory Install of sewerage pipe line system White washing (Painting) Plastering the walls Install of boundary wall (Slabs and pillars) Excavation, dumping and leveling Open fitting for electricity install of steel stair
CR-5-2 / LU-2	K0+400~0+480 Mucking and excavation	K0+400~0+480 No work	K0+396~0+404 Excavation for the purpose of widening road	K0+400~ Drilling for blast	K0+320~ Excavation and mucking

Date/Day Location	21 Tue.	22 Wed.Sun.	23 Thu.	24 Fri.	25 Sat.
Diversion Tunnel A INLET	Left Wall K0+002.3~0-033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Arrangement for concrete and fixing of pipe line Base Slab No Work Part No.2 & 3 Fixing of scaffolding and formwork	Left Wall K0+002.3~0-033 No Work Right Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 El.783.9~786.4 Arrangement for concrete Pouring of concrete, Part No.2 & 3 Fixing of formwork	Left Wall K0+002.3~0-033 Chipping Right Wall K0+002.3~0-033 Chipping Middle pier K0+002.3 ~0-035 El.783.9~786.4 8th Lift Pouring of concrete Total quantity poured = 198m3 Green cutting Part No.2 & 3 Fixing of formwork	Left Wall K0+002.3~0-033 No work Right Wall K0+002.3~0-033 No work Middle pier K0+002.3~0-035 El.783 ~786.4 8th Lift Curing of concrete Part No.2 & 3 Fixing of formwork and scaffolding	Left Wall K0+002.3~0-033 No work Right Wall K0+002.3~0-033 No work 7:00Hrs~7:00Hrs Middle pier K0+002.3~0-035 El.783.9~786.4 8th Lift Green cutting Curing of concrete and removing formwork Part No.2 & 3 No work
Diversion Tunnel A UNDER GROUND	INVERT U/S Right Side K0+060~0+080 Cleaning and removing pipe line and other materials Right Side K0+250~0+290 Invert cleaning for leveling concrete Right Side K0+300~ 0+390 Excavation and mucking Right Side K0+250~0+360 Invert excavation and cleaning work Right Side K0+360 ~0+410 Excavation with Jack hammer Right Side K0+365~ Charging and blasting Mucking INVERT D/S Left Side K0+670~0+710 Invert cleaning for lean concrete Left Side K0+820~0+860 Invert cleaning for lean concrete Right Side K1+000~1+100 Invert cleaning and washing surface for preparing surface for 1m concrete Right Side K1+137~1+149 Arrangement for 1m invert concrete K1+456.5~1+478 Removal of scaffolding and formwork	INVERT U/S Right Side K0+250~0+290 Invert cleaning for lean concrete Right Side K0+200~0+250 Excavation Right Side K0+220~0+250 Invert excavation and mucking INVERT D/S Left Side K0+670~0+710 Invert cleaning for lean concrete Pouring of lean (leveling) concrete Total quantity 160m3 Left Side K0+710 ~0+750 Excavation and mucking Removal of underbreak with the help of jack hammer Right Side K1+137~1+149 Pouring of 1m invert concrete Total quantity poured = 129m3 (Mix design A-25/50mm) K1+456.5 ~1+478 Removal of scaffolding and formwork	INVERT U/S K0+060~0+080 Removing of pipe line system Right Side K0+250~0+290 Invert cleaning for lean concrete Excavation with jack hammer Right Side K0+070~0+100 Excavation Right Side K0+120~0+150 Invert excavation and mucking INVERT D/S Left Side K0+820~0+860 Invert cleaning for lean concrete Left Side K0+710~0+750 Invert cleaning for lean concrete Invert cleaning for lean concrete Left Side K0+750~0+780 Excavation with jack hammer Right Side K1+137~1+149 Removing of formwork Right Side K1+113~1+125 Poring of invert 1m concrete Total quantity poured (Mix-design A-25/50mm) =125m3 Cleaning surface and fixing of formwork K1+456.5~1+478 Removal of scaffolding and shifting	INVERT U/S Right Side K0+250~0+290 Invert cleaning for lean concrete Right Side K0+360 ~0+400 Invert cleaning for lean concrete Right Side K0+360~0+370 Excavation with jack hammer Right Side K0+160~0+200 Excavation Right Side K0+140~0+180 Invert excavation and mucking INVERT D/S Left Side K0+820~0+860 Invert cleaning for lean concrete Left Side K0+710~0+800 Invert cleaning for lean concrete, excavation and mucking Right Side K1+101~1+089 Cleaning surface and fixing of form work of formwork Right Side 1+113~1+125 Finishing of concrete Right Side K1+065~1+077 Fixing of formwork for the invert 1m concrete	INVERT U/S Right Side K0+250~0+290 Excavation and invert cleaning for lean concrete Right Side K0+360~0+400 Invert cleaning for lean concrete Right Side K0+200~ Invert excavation Right Side K0+250~0+340 Invert excavation and invert cleaning for lean concrete INVERT D/S Left Side K0+710~0+800 Invert cleaning for lean concrete Left Side K0+820~0+860 Excavation and invert cleaning for lean concrete Left Side K0+710~0+750 Pouring of lean concrete Quantity 128m3 Right Side K1+101 ~1+089 Pouring of 1m invert concrete Quantity (A-25/50mm) = 140m3 Finishing Right Side K1+051~1+039 Cleaning and fixing formwork for 1m invert concrete Right Side K1+029~1+051 Cleaning and fixing formwork for the invert 1m concrete Pouring of 1m invert concrete Quantity poured (A-25/50 K1+456 ~1+478

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					Shifting of scaffolding mm) = 140m3
Diversion Tunnel B Inlet Portal	Roof Slab Fixing of formwork, scaffolding and making access to crown Fixing of formwork, scaffolding and making access to crown Middle pier K0+002.3-0+035 8th Lift Green cutting and curing Part No. 2 & 3 Fixing of formwork and scaffolding	Roof Slab Fixing of formwork, scaffolding and making access to crown Shifting of scaffolding to crown Part No. 2 & 3 Fixing of formwork and scaffolding	Roof Slab Fixing of formwork and making access to crown Shifting of scaffolding to crown Part No. 2 & 3 No work	Roof Slab Fixing of scaffolding Shifting of scaffolding to crown Part No. 2 & 3 No work	Roof Slab Fixing of scaffolding Shifting of scaffolding to left side Part No. 2 & 3 Install of reinforcement
Diversion Tunnel B UNDER GROUND	Shear zone area Part No.01 No work Part No 2 No work Part No 3 Left wall (6th Lift) Install of reinforcement Part No.4 (5th lift) Fixing of scaffolding Part No.5 (6th lift) K0+339-0+350 Removal of formwork from right wall Invert Right side 0+830-0+842 Cleaning surface for the invert 1m concrete Pouring of invert 1m concrete Total Quantity poured = 130m3 (Mix design A-25/50mm) Finishing Left side K0+806-0+818 Cleaning surface for the invert 1m concrete Left side K0+398-0+410 Pouring of invert 1m concrete Total Quantity 144m3 (Mix design A-25/50mm) Finishing 3rd Lift Right wall K1+250-1+265 Excavation and mucking	Shear zone area Part No.01 Install of reinforcement Part No 2 No work Part No 3 Left wall (6th Lift) Install of reinforcement Part No.4 Fixing of scaffolding Part No.5 No work Invert Right side K0+830 -0+842 Finishing of concrete Right side K0+842-0+854 Pouring of invert 1m concrete Total Quantity 130m3 (Mix design A-25/50mm) Finishing of concrete Right side K0+854-0+866 Fixing of formwork and cleaning Left side K0+806-0+818 Pouring of invert 1m concrete Total Quantity 120m3 (Mix design A-25/50mm) Left side K0+818-0+830 Cleaning of invert 1m concrete Pouring of invert 1m concrete Left side K0+398-0+410 Finishing of concrete Left side K0+386-0+398 Pouring of invert 1m concrete Total Quantity poured = 150m3 (Mix design A-25/50mm) Right side K0+410-0+422 Pouring of invert 1m concrete Total Quantity 126m3 (Mix design A-25/50mm) 2nd Lift Center K1+250- 1+260 Excavation and mucking Left side K1+266 -1+278 (2nd Lift) and Center + Left & Right side 1+266-1+278 (3rd Lift) Charging (Explosive = 375kg) Blast 10:30Hrs Mucking Excavation and mucking	Invert U/S K0+190-0+200 Excavation and mucking Shear zone area Part No.01 Right wall Fixing of formwork Part No 2 No work Part No 3 Right wall (6th Lift) Install of reinforcement Part No.4 Left wall (5th Lift) Adjustment of formwork Making access Part No.5 Fixing of scaffolding Invert D/S Right side 0+842-0+854 Finishing of concrete Right side 0+854-0+866 Fixing of formwork and Cleaning of invert 1m concrete Cleaning of invert 1m concrete Left side K0+818-0+830 Pouring of invert 1m concrete Total Quantity 130m3 (Mix design A-25/50mm) Right side K0+398-0+410 Cleaning of invert 1m concrete Pouring of invert 1m concrete Total Quantity 122m3 (Mix design A-25/50mm) Finishing of concrete Left side K0+386-0+398 Finishing and removing formwork Left side K0+374-0+386 2nd Lift Right and Left side K1+224-1+228 Excavation and mucking Center K1+252-1+260 Right and Left side K1+224-1+228 Drilling for blast Charging Blast 13:09Hrs Excavation and mucking Right K1+226- Left side K1+228- Drilling for blast Charging Blast 22:40Hrs Excavation and mucking K0+885-1+000 Drilling for weep holes	U/S Removing shotcrete from crown portion Shear zone area Part No.01 No work Part No 2 No work Part No 3 Right wall (6th Lift) Fixing of scaffolding pipe for crown Part No.4 (5th Lift) Making access Part No.5 Making access Invert Right side K0+854 -0+866 Cleaning of invert 1m concrete Pouring of invert 1m concrete Total Quantity 130m3 (Mix design A-25/50mm) Left side K0+830-0+842 Cleaning of invert 1m concrete Pouring of invert 1m concrete Total Quantity 140m3 (Mix design A-25/50mm) Right side K0+386-0+398 Pouring of invert 1m concrete Total Quantity 120m3 (Mix design A-25/50mm) Left side K0+374-0+386 Poring of invert 1m concrete Total Quantity 140m3 (Mix design A-25/50mm) 2nd Lift Right K1+226- Left side K1+228- Excavation and mucking Right and Left side K1+232-1+236 Drilling for blast Charging Blast 10:43Hrs Excavation and mucking	U/S K0+090-0+140 Invert excavation and mucking Shear zone area Part No .01 No work Part No 2 Fixing of scaffolding pipe at left side for crown Part No 3 Right wall (6th Lift) Fixing of scaffolding pipe at left side for crown Fixing of scaffolding pipe at left side for crown Part No.4 (6th Lift) Arrangement for pouring concrete Part No.5 No work Invert Right side K0+854-0+866 Finishing of concrete Left side K0+830-0+842 Finishing of concrete Left side K0+842-0+854 Cleaning of invert 1m concrete Right side K0+878-0+866 Pouring of invert 1m concrete Total Quantity 132m3 (Mix design A-25/50mm) Right side K0+386-0+398 Finishing of concrete Left side K0+374-0+386 Left side K0+362-0+374 Cleaning for 1m invert concrete 2nd Lift Right and Left wall K1+236-1+242 Charging (10kg explosive used) Blast 11:15Hrs Excavation and mucking Right and Left wall K1+242-1+248 Drilling for blast Charging and blasting
Traffic Diversion Tunnel Portal	Face chainage of 1st Lift K0+447 K0+420- Mucking and scaling K0+440-0+448 Fixing of wire mesh K0+406-	Face chainage of 1st Lift K0+447 K0+390-0+416 Applying remedial layer of shotcrete (Quantity=	Face chainage of 1st Lift K0+447 K0+420- Mucking and scaling 2nd lift K0+436- Drilling for blast Charging and	K0+400- Drilling for blast Charging and blasting Mucking and scaling K0+440-0+447	K0+449-0+451.5 Mucking and scaling Applying 1st layer of shotcrete K0+440-0+447

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	0+428 Applying 1st layer of shotcrete (Quantity= 12m3) K0+428-0+443 Applying 2nd layer of shotcrete EL.865-862 Drilling for rock bolts	16m3) K0+440- Drilling for blast K0+440-0+442 Mucking and scaling K0+442-0+447 Fixing of wire mesh K0+405-0+420 Drilling for rock bolts Install and grouting of rock bolts 15 pieces installed at this chainage.3 remaining pieces installed at CH: K0+405-0+410 EL.865-862.5 Drilling for rock bolts Arrangement for rock bolt grouting	blasting (Explosive used= 175kg) Mucking and scaling K0+442 -0+447Applying 2nd layer of shocrerte (Quantity= 32m3) 2nd lift K0+438- Drilling for blast Charging Blast at 7:01Hrs Right and left wall K0+406- Fixing of wire mesh EL.865-862.5 Excavation and mucking	Mucking and scaling K0+449- Survey for blast Drilling for blast Charging (Explosive used= 350kg) Blast at 5:42Hrs EL.865-862.5 Cleaning, excavation and mucking	Mucking and scaling K0+451.5 Drilling for blast Charging (Explosive used= 350kg) Blast at 2:40Hrs Mucking and scaling 3 EL.863.3-861 Fixing of wire mesh
Uchar New Crushing plant	Retaining wall No. 3 and 4 Stone masonry Stone masonry Excavation at Retaining wall No.2 & 3 Retaining wall No. 1 No work Retaining wall No.8 Stone masonry Batching plant Excavation Crush plant Fixing of scaffolding and formwork at crushing workshop Sand vertical workshop Install of reinforcement for workshop No.2 and fixing of scaffolding Gallery foundation Fixing of reinforcement near stock piles	Retaining wall No. 3 and 4 Stone masonry Removing of scaffolding at Retaining wall No.3 Retaining wall No. 6 Install of reinforcement for beam Retaining wall No.8 Stone masonry Batching plant Excavation Crush plant Fixing of scaffolding and formwork at crushing workshop Mucking at back side of crush plant Gallery foundation Fixing of reinforcement near stock piles Uchar Nala side Shallow hole blasting and breaking of stone with jack hammer	Retaining wall No. 4 Stone masonry Removing of scaffolding at Retaining wall No.3 Retaining wall No. 1 Excavation and mucking Retaining wall No.8 Stone masonry Batching plant Excavation Crush plant Fixing of scaffolding and formwork at crushing workshop Fixing of formwork for workshop No.1 (Column) Fixing of formwork for workshop No.2 (Column and beam) Install of reinforcement for workshop No.5 (Column) Gallery foundation Fixing of reinforcement near stock piles Uchar Nala side Shallow hole blasting and breaking of stone with jack hammer	Retaining wall No. 3 & 4 Stone masonry Excavation and mucking at Retaining wall No.4 only Retaining wall No. 5 Excavation Retaining wall No.1 Excavation with jack hammer Processing system Install of reinforcement Crush plant Install of reinforcement for workshop No.1 and 2 Install of reinforcement for workshop No.1 Install of reinforcement for workshop No.2 Install of reinforcement for workshop No.5 Gallery stock Fixing of reinforcement and formwork, and welding works	Retaining wall No. 3 & 4 Stone masonry Leveling Retaining wall No.3 only Retaining wall No. 5 Excavation Retaining wall No.1 No work Processing system Install of reinforcement and fixing of scaffolding Crush plant Install of crush plant machienny at workshop No.1 Sand and fine aggregate workshop No.2 Install of reinforcement and fixing of formwork and leveling formwork Install of reinforcement and fixing of formwork for workshop No.1 and No.2 Gallery foundation part NO.2 Install of reinforcement and fixing of formwork, and back filling, leveling and doing welding works
Cable crane foundation (Right Bank)	No work	Install of rock bolts No. of pieces installed = 10, L=10m Total pieces No. of installed = 22 and 13 holes collapsed	Install of rock bolts No. of pieces installed = 22, L=10m	EL. K1+074-1+065 Install of rock bolts No. of pieces installed = 3, L=10m Drilling for rock bolts No. of holes drilled 2	EL. K1+074-1+065 Nork
Kass Camp	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory Welding of embedded parts at Personal staff dormitory Install of sewerage pipe line system White washing (Painting) Plastering the walls Install of boundary wall (Slabs and pillars) Excavation, dumping and leveling Open fitting for electricity install of steel stair	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory Install of sewerage pipe line system Construction of brick masonry walls on the roof (Parapet wall) Construction of Pre-cast boundary wall (Slabs and pillars) Excavation, dumping and leveling Install of Pre-cast concrete room for 2nd floor at Personal staff section-B	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory Install of sewerage pipe line system White washing (Painting) Construction of brick masonry walls on the roof (Parapet wall) Construction of Pre-cast boundary wall (Slabs and pillars) Excavation, dumping and leveling Install of Pre-cast concrete slabs	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory White washing (Painting) Construction of Pre-cast boundary wall (Slabs and pillars) Excavation, dumping and leveling Install of Pre-cast concrete slabs and pillars	Construction of stone masonry retaining wall at RAR-01 road side and Project leadership dormitory White washing (Painting) Construction of Pre-cast boundary wall (Slabs and pillars) Excavation, dumping and leveling Install of sewerage pipe line
CR-5-2 / LU-2	K0+480- Excavation for access	K0+480- No work	K0+450-0+460 Charging (Explosive used= 25kg) Blast at 13:03Hrs Mucking	K0+440- Excavation	K0+440- No work

Daily Work Records of MW-02

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
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.	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.
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 F. Ch:0+241.0~(D/S) F.ch.: 0+023 Ch.: 0+029.25 - 023 Grouting for rock dowels Night F. Ch: 0+241 (D/S) U/S	Day F. Ch:0+241.0~(D/S) F.ch.: 0+023 Survey for blast Drilling for blast Charging for blast (Exp=70KG) Blast carried Mucking Night F. Ch: 0+241 (D/S)	Day F. Ch:0+241.0~(D/S) F.ch.: 0+020 Survey for blast Drilling for blast Charging for blast (Exp=45kg) Blast carried out	Day F. Ch:0+241.0~(D/S) F.ch.: 0+017 (approx.) Ch.: 0+21.75+018.0 Installation of rock dowels (17pcs) Ch. 0+230 -0+235 Installation of 1st layer	Day F. Ch:0+241.0~(D/S) F.ch.: 0+233.0~229.0 Fixing of rebar mesh at wall (1st layer) U/S F. Ch:0+017.0~0+014.0 Mapping Qv=1.33	Day F. Ch:0+241.0~(D/S) Ch.: 0+30~0+25 Installation of rebar mesh (1st layer) U/S F. Ch:0+017.0~0+014.0 First layer shotcrete PS Qty=4.0m³	Day F. Ch:0+241.0~(D/S) Ch.:0+200.0~0+240.0 Survey for missing rock dowels Drilling for missing rock dowels Installation of Missing rock dowels

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	Fch:0+23 Approx. Ch.:0+29.5~0+23 Installation of plates	Fch:0+20 (U/S) approx. Mucking and scaling Ch.:0+23~0+20 1st layer shotcrete PS has been done qty=8m ³	Ch.: 0+0+235 - 241 installation of plates or rock dowels installation of 1st layer rebar mesh on left wall Night F. Ch: 0+241 (D/S) Ch.:0+234~0+229 Installation of rebar mesh 1st layer at wall Fch:0+17 (U/S) approx. Mucking and scaling Geological Mapping qv=1.46 Ch.:0+20~0+17 1st layer shotcrete PS qty=8m ³ Ch.:0+16~0+24 Survey for rock dowels Drilling for rock dowels	rebar's mesh on left wall. Night F. Ch: 0+241 (D/S) Ch.:0+225.0~0+232.0 Fixing first layer of rebar mesh Ch.: 0+21.75+018.0 Grouting of rock dowels (16pcs, 1pcs is rejected due to leakage) Note: Ch.:0+21.75 row is drilled but rock dowels are not installed (All row are missing) ch.:0+17.0~ Survey for blast Drilling for blast Charging for blast (Exp=62.5kg) Blast carried out Mucking	First layer shotcrete PS Qty=4.0m ³ Night F. Ch: 0+241 (D/S) Drilling for blast Charging for blast (Exp=75kg) Blast Carried out Mucking and Scaling	Night Ch:0+27~0+20 Installation of 1st layer rebar mesh Ch.:0+15.5~0+10.5 Survey and marking for rock bolts Drilling for rock bolts Installation of rock bolts	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 Approx. 0+241.0 (D/S) F. Ch:0+107 Approx.(U/S) 09:00 - 11:00) Mucking 14:20~14:40) Mapping (Qv=2.3) Night F.ch:0+241.0 I1 I2 I3 Ch.:0+235~240 00:15~00:55) 1st layer shotcrete 2nd go has been done Qty=8m ³ I3 F. Ch Approx. 0+241.0 (D/S) Ch.:0+220~0+225 installation of rebar mesh at wall U/S Fch:0+107 Ch.:115.5~0+120 Installation of plates Ch.:0+110~0+107 1st layer shotcrete PS qty=6m ³ blast carried out	Day i-3 F. Ch Approx. 0+241.0 (D/S) F. Ch:0+104.0 Approx.(U/S) Mucking Mapping Q=1.33 1st layer SC Plain Shotcrete Qty = 8.0m ³ Ch.:0+215.0~0+235.0 Fixing of first layer rebar mesh at wall Night I3 F. Ch Approx. 0+241.0 (D/S) Ch.:0+230~0+235 1st layer rebar mesh at wall F. Ch:0+104.0 Approx.(U/S) Survey for blast Drilling for blast charging for blast Exp=85kg Blast is carried out Mucking	Day F. Ch Approx. 0+241.0 (D/S) F. Ch:0+101.0 Approx.(U/S) Ch.:0+104~0+101 Shotcrete 1st layer Plain SC Qty = 03m ³ Ch.:0+104.0~0+112.0) Second go of First layer shotcrete (PS Qty=13.0m ³) Ch.: 114 - 106 survey for rock dowels Ch.: 239 - 185 Installation of 1st layer rebar's mesh at right wall. Installation was done on 02 locations. Night F. Ch Approx. 0+241.0 (D/S) F. Ch:0+101.0 Approx.(U/S) Ch.:0+119~0+114 Installation of rebar mesh 1st layer	Day I3 F. Ch:0+101.0 Approx.(U/S) Ch.:0+119~0+114 Installation of rebar mesh 1st layer F. Ch:0+101.0 Approx.(U/S) Ch.:0+119~0+114 Survey for rock bolts Drilling for rock bolts Installation of rock bolts 23pcs Night F. Ch:0+101.0 Approx.(U/S) Ch.:0+119~0+114 Fixing of rebar mesh Grouting of rock dowels	Day F. Ch Approx. 0+241.0 (D/S) Ch.:0+214.0~0+210.0 Installation of rebar mesh at wall (1st layer) CH:0+240~0+200 Survey for missing rock dowels F. Ch:0+101.0 Approx.(U/S) Ch.0+120.0~0+114.0 Installation of rebar mesh (1st layer) Night Ch:0+238~0+220 Rectification of 1st layer rebar mesh at wall Ch:0+210~0+204 Fixing of 1st layer rebar mesh at wall U/S Ch:0+104~0+110 Fixing of 1st layer wire mesh F.CH 0+99.5 Charging for blast	Day F. Ch Approx. 0+241.0 (D/S) Ch.:0+200.0~0+196.0 Installation of rebar mesh at wall (1st layer) Ch 0+230~0+215 Rectification of rebar mesh at wall (1st layer) CH:0+241~0+200 Survey for missing rock dowels Drilling for missing rock bolts U/S F.CH 0+99.5~0+96 approx. Mucking and scaling Mapping Qv=1.33 1st layer shotcrete SF 4m ³ Night F.CH:0+241 Ch:0+238~0+210 Rectification of 1st layer rebar mesh on wall U/S F.CH:0+98 Survey for Blast Drilling for blast Charging for blast Exp=100kg	Day i-3 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 6m ³ Night i-3 F.CH:0+241 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
Powerhouse Cavern Pilot Tunnel (Left Crown portion) I-2	Day F. Ch:0+232.5~(D/S) Approx. F. Ch: 0+006 (approx.) Ch.: 0+009 - 006 Mucking and scaling Mapping Q=1.67	Day F. Ch:0+235~(D/S) Approx. F.Ch. 0+004 (approx.) Ch.: 0+004 - 006 Mucking and scaling Mapping Q = 1.45 0+035 - 0+030	Day F. Ch:0+235~(D/S) Approx. F.Ch. 0+002 (approx.) Ch.: 0+004 - 002 Mucking and scaling Mapping Q = 1.33	Day F. Ch:0+235~(D/S) Approx. F.Ch. 0+000 (approx.) Ch.: 0+00 - 0+002 scaling and Mucking Note: After Last night's blast, rock fall	Day F. Ch:0+235~(D/S) Approx. F.Ch. 0+000 (approx.) Note: After Last night's blast, rock fall from crown along with the 1st layer shotcrete from 0+008 - 0+002	Day Ch 0+237~0+241 approx. Mucking and scaling Mapping Qv=1.33 U/S CH:0+1.5~0+08 1st layer 2nd pass shotcrete SF sprayed 6m ³ and almost 2m ³ rebound, Ch 0+188~0+218	Day F. Ch:0+241 Approx. Ch 0+237~0+241 approx. Mapping Qv1.67 1st layer shotcrete 4m ³ U/S Ch:0+12~0+05

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	<p>1st layer shotcrete SF Qty = 6m³.</p> <p>Ch.: 0+198- 203 installation of 2nd layer rebar mesh</p> <p>Ch.: 0+230 - 0+232.5 1st layer SF Shotcrete 3rd pass. Qty=08m³.</p> <p>Night F. Ch:0+232.5 Approx. (D/S) Ch.:0+231</p> <p>Survey for blast Drilling for blast Charging for blast Blast Mucking Ch.:0+180-0+190</p> <p>Installation of support bars CH:0+190-0+195</p> <p>Installation of rebar mesh U/S Ch.:0+35-0+30</p> <p>installation of 2nd layer rebar mesh Drilling for blast Charging for blast Exp=100kg</p>	<p>installation of 2nd layer rebar mesh 0+095 - 0+100</p> <p>installation of 1st layer rebar mesh at left wall Ch.: 0+203 - 208</p> <p>installation of 2nd layer rebar mesh Ch.: 0+232.5- 235</p> <p>mucking & scaling Mapping Q = 1.33</p> <p>First layer shotcrete (SF Qty=6m³) 0+223 - 230.1</p> <p>survey for rock dowels (5 rows) Drilling for rock dowels (4 rows). 0+230.1 not drilled</p> <p>Night F. Ch:0+232.5 approx. (D/S) Ch:0+223.1-0+227.7</p> <p>Grouting of rock dowels 11pcs & 1pcs is rejected due to collapse Ch.:0+198-0+203</p> <p>Installation of rebar mesh 2nd round Ch:0+75-0+85</p> <p>Installation of rebar mesh 1st round Fch:0+004 (U/S) Ch:0+8-0+4</p> <p>1st layer shotcrete sf 2nd goes qty=6m³ Survey for blast Drilling for blast Charging for blast Exp=125kg Blast is carried</p>	<p>1st layer Shotcrete SF Qty= 07m³ 0+047 - 0+032</p> <p>Rectification of 2nd layer rebar mesh 0+095 - 0+100</p> <p>installation of 1st layer rebar mesh at left wall Ch.: 0+192 - 202</p> <p>Rectification & installation of 2nd layer rebar mesh Ch.: 0+235</p> <p>Drilling for blast Charging for blast (Qty = 100KG) Blast carried out Mucking and scaling</p> <p>Night F. Ch:0+235~ approx. (D/S) Ch.:0+215-0+225</p> <p>Installation of rebar mesh 1st round Ch.:0+97-0+102</p> <p>Installation of rebar mesh at wall Ch.:0+100-0+120</p> <p>Installation of support bars Geological mapping U/S F.ch:0+1.5 Ch.:0+47-0+32</p> <p>3rd layer shotcrete PS has been done qty=16m³ Survey for blast Drilling for blast Charging for blast Exp=75kg Blast is carried out</p>	<p>from crown along with the 1st layer shotcrete from 0+008 - 0+002</p> <p>Ch.: 0+200 - 0+210</p> <p>Installation of 2nd layer rebar mesh Ch.: 0+225 - 235</p> <p>Installation of 1st layer rebar mesh Ch.: 0+235 - 239</p> <p>2nd pass of 1st layer shotcrete SF Qty = 07m³ + 05m³ Ch 0+50-0+25</p> <p>2nd pass of 3rd layer shotcrete 8m³</p> <p>Night F. Ch:0+235~ Approx. (D/S) Ch.: 0+200 - 0+210</p> <p>Installation of 2nd layer rebar mesh Ch.: 0+225 - 235</p> <p>Installation of 1st layer rebar mesh Survey for rock dowels Drilling for rock dowels Installation of rock dowels Ch.:0+1.50-0+8.0</p> <p>Second go of first layer shotcrete (SF Qty=8m³) Note: shotcrete is stop for 30mints due shotcrete machine breakdown Survey for rock dowels Drilling for rock dowels Installation of rock dowels</p>	<p>D/S Ch. 0+230 - 236</p> <p>Grouting for rock dowels 12pcs L=6m</p> <p>Ch. 0+200 - 0+210</p> <p>Installation of 2nd layer rebar mesh Ch.: 0+225 - 232</p> <p>Installation of 1st layer rebar mesh U/S Ch 0+40-0+30 08:20-16:30)</p> <p>Rectification of rebar mesh 1st layer on wall Ch 0+0+09.2-0+04.6</p> <p>Grouting for rock bolts 9pcs L=6m</p> <p>Night F. Ch:0+235~ Approx. (D/S) Survey for blast Drilling for blast Charging for blast (Exp=110kg) Blast Carries out Mucking and Scaling Ch.:0+2170+0+210</p> <p>Rectification of 2nd layer rebar mesh U/S CH:0+1.5-0+8</p> <p>1st layer shotcrete 2nd pass SF 8m³ Ch.:0+07.0-0+09.0</p> <p>Rescaling of crack area First layer of shotcrete on crack area (SF Qty=8m³) CH:0+49-0+40</p> <p>2nd layer shotcrete on wall (Qty=6m³) CH.:0+35.0-0+30.0</p> <p>Remedial Shotcrete 2nd layer (Qty=2m³) Installation of tension rock bolts</p>	<p>Rectification of rebar mesh 2nd layer Ch 0+102-0+107</p> <p>Installation of rebar mesh on wall, Night I-2, I-3, and I-1 (Making final Face) Drilling for blast Charging for blast Exp=85kg Blast Carried out Mucking CH:0+188-0+218</p> <p>3rd layer shotcrete Qty=24m³ U/S CH:0+03-0+08</p> <p>1st layer 2nd pass shotcrete Qty=8m³ CH:0+60-0+70</p> <p>Installation of 2nd layer rebar mesh at wall Ch:0+27-0+20</p> <p>Installation of 2nd layer rebar mesh CH:0+102-0+123</p> <p>Tensioning of tension rock bolts Drilling for Tension rock bolts CH:0+12-0+07</p> <p>Installation of 1st layer rebar mesh</p>	<p>Installation of 1st layer rebar mesh Ch 0+188-0+218</p> <p>Sprayed 3rd layer shotcrete 16m³ Ch. 0+40-0+35</p> <p>Drilling for tension rock bolts, 7holes Ch. 0+30-0+25</p> <p>Installation of rebar mesh 2nd layer</p> <p>Night Ch 0+188-0+218</p> <p>3rd layer 2nd pass shotcrete Qty=16m³ CH:0+238-0+241 (Over break Area)</p> <p>1st layer shotcrete SF 13m³ CH:0+188-0+218</p> <p>Drilling for weep holes U/S Ch:0+12-0+05</p> <p>Installation of 1st layer rebar mesh Ch. 0+25-0+20</p> <p>Installation of 2nd layer rebar mesh Ch:0+50-0+40</p> <p>Drilling for Tension rock bolts</p>
<p>Powerhouse Cavern Pilot (Right Crown Portion) I-1 & I-3</p>	<p>Day i-1 F. Ch Approx. 0+241.0(D/S) I1 I2 & I3</p> <p>Ch.: 0+150 -) drilling of 07m Tension rock bolts</p> <p>Ch.: 0+150 - 192 marking of 07 m tension rock bolts</p>	<p>Day i-1 F. Ch Approx. 0+241.0(D/S) I1 I2 & I3 Ch.: 0+088.55 - 180.55</p> <p>grouting of 07m Tension rock bolts Ch.: 0+164.45 - 175.95</p> <p>Packer grouting Ch.: 0+165.0-0+175.0</p>	<p>Day i-1 F. Ch Approx. 0+241.0(D/S) I1 I2 & I3 Ch.: 174.8~185.15</p> <p>Packer Grouting of tension rock bolts Pressure Grouting tension rock bolts Location: P53-2, -P43-1</p>	<p>Day i-1 F. Ch Approx. 0+241.0(D/S) I1 I2 & I3</p> <p>Ch.: 0+74.75-0+97.75</p> <p>Tensioning of 07m tension rock bolts Locations: -P-33-3 = 0.5mm, -P-33-2 = 3.55mm, -</p>	<p>Day i-1 F. Ch Approx. 0+241.0(D/S) I1 I2 & I3</p> <p>Ch.: 0+219.65-0+228.85</p> <p>Tensioning of 07m tension rock bolts Ch. 0+25-0+35</p> <p>Drilling for tension rock bolts</p>	<p>Day i-3 I1 I2 & I3 Ch.: 0+105-0+215</p> <p>Tensioning of 07m tension rock bolts Ch 0+50-0+35</p> <p>Installation of tension rock bolts Ch. 0+15-0+000</p> <p>Drilling for tension rock bolts, 7holes Ch 0+105-0+174</p>	<p>Day i-3 F. Ch:0+00(U/S) Ch 0+15.0-0+30.0</p> <p>Hand drilling for tension rock bolts supporting bars Ch. 0+190-0+195</p> <p>Drilling for under break blast</p>

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	<p>installation of corrugated pipe casing for PS Tendon trial Identification of 03 locations for Trial 07m Tension Rock bolts.</p> <p>i-3 F. Ch.:0+000(U/S) Ch.: 0+002-012 2nd pass of 3rd layer SC Plain Qty = 12m³</p> <p>Ch.: 0+070 - 025 Shotcrete 2nd pass of 2nd layer shotcrete on right wall Qty=08m³</p> <p>Night i-1 F. Ch Approx. 0+241.0(D/S) I1, I2, I3 Pressure grouting for 7m tension rock bolts Location: Ph-P15-1, Ph-P17-1, Ph-L17-5, Ph-L15-5</p> <p>Ch.:0+270~0+280 Predrilling for hole cleaning of 7m tension rock bolts Ch:0+175~0+190 Pull out test for tension rock bolts</p> <p>i-3 F. Ch:0+00(U/S) Ch.:0+40~0+15 Drilling for weeps holes Installation of tendon</p>	<p>Installation of tension rock bolts 07m Ch.: 0+077 - 0+067 Drilling for trial G-60 07m Tension Rock Bolts Ch. :0+100.05 Tensioning of 07 m tension rock bolts i-3 F. Ch:0+000(U/S) Ch.: 0+100-120 No Activity</p> <p>Night i-1 F. Ch Approx. 0+241.0(D/S) I1, I2, I3, Pressure grouting for tension rock bolts Ch.:0+100~0+90 Drilling for tension rock bolts Ch.:0+80~0+85 Installation of 7m tension rock bolts Ch.:0+180~0+192 Installation of 7m tension rock bolts Ch.:0+40~0+60 Installation of 7m tension rock bolts Ch:0+40~0+25 Marking for tension rock bolts</p> <p>i-3 F. Ch:0+000(U/S) Ch.: 0+050-0+000 joint thickness test</p> <p>Ch.:0+00 - 0+50 Remedial Shotcrete Qty = 05m³</p>	<p>Grouting machine breakdown Ch.: 0+042.55 Drilling for 07m Tension Rock Bolts Ch. :0+100.05 Tensioning of 07 m tension rock bolts</p> <p>i-3 F. Ch:0+000(U/S) Ch.: 0+100-120 Installation of supporting bars for 07m tension rock bolts.</p> <p>Night i-1 F. Ch Approx. 0+241.0(D/S) I1, I2, I3, Tensioning of 07 m tension rock bolts</p> <p>Packer grouting for tendon Ch:0+40~0+30 Drilling for tension rock bolts</p> <p>Pressure grouting for tension rock bolts I3 F. Ch:0+00(U/S) Ch.:0+40~0+20 demarcation of tension rock bolts</p>	<p>P-43-2=1.81mm -P-35-4 = 1.0mm, -P35-2 = 0.60mm, -P-43-3=1.10mm, PH-I-2 and I3 Ch. 0+25~0+35 Drilling for tension rock bolts</p> <p>Ch.: 0+134 Trial grouting for Ps Tendons at. Delayed because of unavailability of cement in the start and breakdown of grouting machines. Night i-1 F. Ch Approx. 0+241.0(D/S) I1, I2, I3, Pressure grouting of tension rock bolts Location: PH-R43-1=137.4Ltr, -R44-1=196.50Ltr, -R45-1=81.8ltr, -R47-1=143.9ltr, -R48-1=68.1ltr, P49-5=121.1ltr, R50-1=210.7ltr, R51-1=130.4ltr, R56-1=100.6ltr, P53-1=113.9ltr. Tensioning of 07m tension rock bolts Locations: -P49-2=0.95mm, -P47-4=2.63mm, R92-1=4.0mm, R93-1=2.56mm, P97-5=4.43mm, R95-1=8.3mm PH-I-2 and I3 Ch. 0+20~0+35 Drilling for tension rock bolts</p>	<p>Ch.: 0+134 Trial grouting for Ps Tendons.</p> <p>Night i-1 F. Ch Approx. 0+241.0(D/S) I1, I2, I3, Tensioning of 07m tension rock bolts Pressure grouting of tension rock bolts</p> <p>Packer grouting of tension rock bolts Location: L63-5, L16-5, L13-5, P7-2, P7-1, I3 F. Ch:0+00(U/S) Ch.:0+40~0+20 Drilling for tension rock Bolts</p>	<p>Pressure grouting for tension rock bolts</p> <p>Night i-1 Ch:0+50~0+35 Grouting for Tension rock bolts Packer Installation of Tension rock bolts 3pcs</p> <p>i-3 F. Ch:0+00(U/S) Ch:0+00~0+07 Drilling for Tension rock bolts Ch:0+36~0+20 Installation of support bar for Tension rock bolts Ch:0+44.85 Grouting for Tension rock bolt</p>	<p>Charging for under break blast holes 14, Exp=14.4kg used Blast carried out i-1 F. Ch Approx. 0+241.0(D/S) I1 I2 & I3 Ch.: 0+105~0+215 Tensioning of 07m tension rock bolts 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 Ch.:0+20~0+05 Installation of supporting bar for tension rock bolts 0+30~0+05 Installation of Tension rock bolts i-1 F. Ch Approx. 0+241.0(D/S) I-1 & I-3 Ch:0+74.75~0+58.65 Tensioning of 07m tension rock bolts</p>
01A Drain Tunnel Left Crown of PH I-2	<p>Day F.ch:0+046.0(Ap prox.) Vertical Shaft Mucking of Drop shaft</p> <p>Night F.ch:0+046.0(Ap prox.) Vertical Shaft Mucking of Drop shaft</p>	<p>Day F.ch:0+046.0(ap prox.) Vertical Shaft Mucking</p> <p>Night F.ch:0+046.0(Ap prox.) Vertical Shaft No Activity</p>	<p>Day F.ch:0+046.0(approx.) Vertical Shaft Mucking</p> <p>Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity</p>	<p>Day F.ch:0+046.0(A pprox.) Vertical Shaft No Activity</p> <p>Night F.ch:0+046.0(A pprox.) Vertical Shaft No Activity</p>	<p>Day F.ch:0+046.0(A pprox.) Vertical Shaft No Activity</p> <p>Night F.ch:0+046.0(A pprox.) Vertical Shaft No Activity</p>	<p>Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity</p> <p>Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity</p>	<p>Day F.ch:0+046.0(Approx.) Vertical Shaft No Activity</p> <p>Night F.ch:0+046.0(Approx.) Vertical Shaft No Activity</p>
Service Tunnel A	<p>Day 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</p>	<p>Day F. Ch:0+567.5~ No Activity due to</p>	<p>Day F. Ch:0+567.5~ No Activity due to</p>	<p>Day F. Ch:0+567.5~ No Activity due to resource limitations Night</p>	<p>Day F. Ch:0+567.5~ No Activity due to resource limitations Night</p>	<p>Day F. Ch:0+567.5~ No Activity due to</p>

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	Night F. Ch:0+567.5~ No Activity due to resource limitations	F. Ch:0+567.5~ No Activity due to resource limitations	resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	F. Ch:0+567.5~ No Activity due to resource limitations	F. Ch:0+567.5~ No Activity due to resource limitations	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 (Right Side Toward manifold) F.CH.: 0+009 No Activity 0+066 - 096 Drilling for steel support bars for dewatering pipes Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 No Activity	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	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	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 (Right Side Toward manifold) F.CH.: 0+009 No Activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 (Right Side Toward manifold) F.CH.: 0+009 No Activity	Day Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 (Right Side Toward manifold) F.CH.: 0+009 No Activity Night Lower Pressure Tunnel 01 Ch.:0+009.0 1st layer shotcrete (Qty=24m³)	Day Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 (Right Side Toward manifold) F.CH.: 0+009 No Activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 (Right Side Toward manifold) F.CH.: 0+009 No Activity	Day Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 (Right Side Toward manifold) F.CH.: 0+009 No Activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 (Right Side Toward manifold) F.CH.: 0+009 No Activity
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	Day 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	Day 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	Day 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	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+021 No Activity Night 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 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 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 manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 R/w CH:0+036 Preparation for load testing Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower
STB from Powerhouse Connection Tunnel	Day F.Ch. 0+008 (Approx.) Blast carried out	Day No Activity Night	Day F.Ch. 0+008 (Approx.) Charging for blast	Day F.Ch. 0+015 (Approx.) No activity	Day F.Ch. 0+015 (Approx.) No activity	Day F.Ch. 0+015 (Approx.) Ch. 0+01.5~0+12	Day F.Ch. 0+015~ Survey for blast

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	Scaling Mapping (Qv=0.75) Night F. Ch:0+009 approx. Ch.:0+009 1st layer shotcrete PS qty=8m ³ 00:30~Manually drilling for blast	F. Ch:0+10 approx. Ch.:0+10 Ch.:0+00~0+10 1st layer shotcrete PS has been done qty=6m ³ Survey for blast Drilling for blast	Blast carried out Mucking & scaling Mapping (Qv=0.94) Night F. Ch:0+12approx Ch.:0+10~0+12 1st layer shotcrete PS 4m ³ Survey for blast Drilling for blast	Night F.Ch. 0+015 (Approx.) No activity	Night F. Ch:0+15 approx. 0+00~0+12 Drilling for rock dowels	Grouting for rock bolts Night F. Ch:0+15 approx. Charging for blast Exp=75kg Blast Carried out Mucking and Scaling 1st layer shotcrete 5m ³	Drilling for blast Night F.Ch. 0+015~ No Activity
Surge Chamber Vault Access Tunnel	Day No activity Night No activity	Day Day No activity Night No activity	Day Day No activity Night No activity	Day No activity Night No activity	Day No activity Night No activity	Day Ch.:0+472.0~0+474.0 Charging & blast Exp=25kg Night Ch.:0+472.0~0+474.0 1st layer shotcrete Qty=5m ³	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 Shotcrete second layer 6. 2cu.m Night F.Ch. 0+949.5 Ch.:0+850~0+825 Remedial shotcrete sf 15m ³	Day F.Ch. 0+949.5.0 Design excavation is complete Ch...0+820~0+830.0 Remedial shotcrete (SF Qty=9.6m ³)	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 Night F.Ch. 0+949.5 Ch.:0+800~0+810 Remedial Shotcrete 3m ³	Ch. 0+900~0+949.5 Drilling for weep holes Night F.Ch. 0+949.5 Ch.:0+800~0+810 Remedial Shotcrete 3m ³	Night F.Ch. 0+949.5 Ch.:0+790~0+800 1st layer remedial shotcrete 3m ³
CR-05-01 Access Road/Intake	No activity	No activity	No activity	No activity	No activity	No activity	No activity
CT-2 Adit Tunnel	Day Ch.: 0+003 Charging for blast (Exp=38kg) Blast carried out (Half Section) Mucking & scaling Charging for blast (bottom portion, Exp=2.6kg) Blast carried out First layer shotcrete (PS Qty=5m ³) Night Ch.:0+003 installation of steel arches	Day Ch.: 0+003 Grouting of spiels (pcs=23, cement=300kg) First layer shotcrete (PS Qty=21m ³) Drilling for blast (Remaining portion) Charging for blast (Exp=47kg) Blast carried out Night No Activity	Day Ch.: 0+004.5 dowels (grouted=24pcs s, block=1pcs) Second layer shotcrete (PS Qty=24m ³) concreting of water tank (C20, Total Qty=31m ³) Night Ch.:0+005 Survey for blast Drilling for blast	Day Ch.0+004.5~0+07 approx. Mucking and scaling Mapping 1st layer shotcrete 4m ³ Fixing of wire mesh Fence Installation of steel pipe and blind sheet Night Ch.:0+007. Drilling for rock dowels & spiels Grouting of rock dowels & spiels (13pcs & 22pcs) Second layer shotcrete (PS Qty=16m ³)	Day Ch.0+009.0~ blast for half section Exp=90kg Blast carried out Mucking and scaling 2nd no water tank. 12:00) CT-2 Site fabrication by blind sheet. Night Ch.0+07.0~ 1st layer shotcrete Qty=06m ³ Installation of wire mesh Fixing of Steel arch	Day Ch.0+09.0~ Installation of steel arch 1pcs Drilling for steel arch support and rock dowels Removing of formwork 1st No. water tank Invert excavation and mucking 2nd No. water tank Night F.Ch.0+09.0~ Removing of steel Arch and wire mesh Ch.:0+7~0+9 1st layer shotcrete Qty=6m ³ Fixing of wire mesh	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 barrier Night F.Ch.0+09.0~ Shotcrete Survey for Blast
Day Work	Day work order Repairing of blind sheets along KKH road	Day work order Repairing of blind sheets along KKH road	Day work order Repairing of blind sheets	Day work order Repairing of blind sheets	Day work order Repairing of blind sheets along KKH road	No Activity	No Activity

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		(Steel rebar's=32pcs, length=2m)	along KKH road (Steel rebar's=30pcs, length=2m) Manually excavation for steel pipes for fence at CT-2 area	along KKH road (Blind sheet =20 pcs,	(Blind sheet =20 pcs,		
Switchyard Day work	Day work order Removing of dump material Night Shift: Removing of dump material	Day work order Removing of dump material Night Shift: Removing of dump material	Day work order Removing of dump material Night Shift: Removing of dump material	Day work order Removing of dump material Night Shift: Removing of dump material	Day work order Removing of dump material Night Shift: Removing of dump material	Day work order Removing of dump material Night Shift: Removing of dump material	Day work order Removing of dump material Night Shift: Removing of dump material
Switchyard Compound	Breaking of boulders of 5th layer (for slope and invert) Excavation	Removing of excavated of 5th layer Breaking of boulders on switch yard area Breaking of boulders of 5th layer (for slope and invert)	No Activity	No Activity	El: ▼950~958(4th layer) First layer shotcrete PS 4th layer Qty=15m³	No Activity	No Activity
Date/ Day Location	8 Wednesday	9 Thursday	10 Friday	11 Saturday	12 Sunday	13 Monday	14 Tuesday
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+308.5 Grouting and installation of missing rock bolts	Note: -Design Excavation (450 m) has been Completed. Ch.:0+307.5.0~0+335.5 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.

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	2nd pass of 1st layer (3m ³ sf)						
Transformer Cavern I-2	Day F. Ch:0.008.0 approx. ch:0+015.5~0+010.5 Grouting for rock dowels (22pcs) Night F.CH 0+008 Ch:0+016~0+010 Installation of 1st layer Rebar-mesh	Day Ch. 0+225~0+220 Installation of rebar mesh U/S F. Ch:0.008.0 approx. Ch.:0+10~0+14.0 Rectification of rebar mesh (1st layer) TC I-1, 2, 3 CH:0+187.0~0+235.0 Jointly thickness test Night F.CH 0+008 Ch.:0+10~30+30 2nd layer shotcrete sf Qty=16m ³ Ch.:0+9.5 survey for blast Drilling for blast Charging for blast Exp=62kg Blast carried out Mucking and scaling	Day F. Ch:0.005.0 Ch.:0+8~0+05 Mapping Q=1.87 First layer shotcrete 4m ³ Ch. 0+05~ Survey for blast Drilling for blast Blast carried out Mucking and scaling Night Ch.:0+17~0+26 Remedial shotcrete sf Qty=8m ³ 1st layer Shotcrete PS Qty=5m ³ CH.:0+3 Survey for blast Drilling for blast	Day F.Ch.0+005.0~0+002.0 Ch. 0+005.0~ Charging for blast Blast carried out Mucking and scaling, Ch:0+002.0~0+000 Survey for blast D/S Ch.0+203~0+208 Installation of rebar mesh 1st layer Ch.0+198~0+240 Installation of rock dowels Night F.Ch. 0+1.5 Mapping Q=1.87 1st layer shotcrete PS Qty=6m ³ Drilling for Blast Charging for Blast Exp=75kg D/S Grouting for missing rock bolts	Day F.Ch.0+000 Ch. 0+01.5~0+000 Survey for under break & marking Blast carried out Mucking & scaling D/S Ch.:0+208.0~0+203.0 Fixing of rebar mesh at wall CH:0+238.0~0+241.0 Fixing of rebar mesh (2nd layer) Survey for rock bolts Night F.Ch. 0+1.5 CH.:0+00~0+04 shotcrete 1st layer Qty=8m ³ 0+04~0+10 Shotcrete 1st layer (2nd Pass) Qty=8m ³ D/S CH.:0+238~0+241 Installation of 1st layer rebar mesh	Day F.Ch.0+000 Ch.:0+10.5~0+00 Drilling for rock dowels Installation of rock dowels D/S CH:0+203~0+198 Installation of rebar mesh on wall Night Ch.:0+00~0+10.5 Grouting for Rock bolts D/S CH:0+195~0+190 Installation of rebar mesh on wall CH:0+185~0+178 Installation of rebar mesh on wall	Day F.Ch.0+000 Ch.:0+013~0+009 installation of plates Ch.:0+013~0+007 Fixing of rebar mesh 1st layer. D/S CH:0+238~0+225 Installation of rebar mesh on wall Night F.Ch. 0+00 Ch.:0+00~0+07.0 Fixing of first layer rebar mesh CH:0+200.0~0+238.0 Fixing of first layer rebar mesh on wall CH:0+183.0~0+195.0 Fixing of first layer rebar mesh on wall
Transformer Cavern Pilot Tunnel I-1 & I-3	Day i-3 Ch.:0+215.0~0+239 Rectification of rebar mesh done U/S Ch. 0+96.5~ Drilling for blast Ch.:0+110~0+104.0 Installation of rebar mesh (1st layer) Night F.CH:0+241 CH:0+215.0~0+239 2nd layer Shotcrete Qty=24m ³ 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	Day i-3 F.Ch. 0+94 Ch. 0+102~0+96 Grouting for rock dowels 23pcs Night i-3 Ch.:0+99~0+106 Installation for 1st layer rebar mesh Ch.:0+108~0+14.25 Grouting for rock dowels	Day Ch.:0+108~0+114.25 Fixing of rock dowels plates Ch.:0+104~0+98 Installation of rebar mesh (1st layer) Night CH.:0+105~0+99 Installation of rock bolts plates and rectification of rebar mesh i-1 CH.:0+180~0+160 Drilling for testing hole on invert 2 holes at i1 (3M)	Day Ch.:0+104~0+114 Installation of rebar mesh (1st layer) Ch. 0+110~200 Invert drilling of trail test for lower benching Night Ch.:0+119~0+099 2nd layer shotcrete SF 22m ³ Charging for Blast Exp=100kg D/S Ch.:0+238~0+241 20:00 1st layer rebar mesh Ch.:0+205~0+193 Rectification of 1st layer rebar mesh at wall	Day F. Ch:0+096.0~0+093.0(Approx.) Mucking & scaling Mapping Qv=1.67 Night CH.:0+99~0+115 Shotcrete 2nd layer (2nd Pass) Qty=8m ³ Survey for Blast Drilling for Blast Charging for Blast Exp=100kg Blast Mucking is in progress D/S CH.:0+238~0+241 Installation of rebar mesh	Day F. Ch:0+093.0(Approx.) Ch.:0+96~0+93 Shotcrete PS 1st layer qty=7m ³ Survey for blast Drilling for blast Charging for blast i-1 Ch.:0+238~0+241 Installation of rebar mesh 1st layer Night F.Ch. 0+90 Mucking and Scaling Mapping Q=1.46 1st layer shotcrete PS Qty=6m ³ Survey for Rock bolts 0+098~0+091 Drilling for Rock bolts i-1 Ch.:0+238~0+241 Installation of rebar mesh 1st layer	Day i-3 F. Ch:0+090.0(A approx.) Ch.:0+91.0~0+98.0 Installation of rock dowels Packing of rock dowels. I-1 I1 I2 I3 Ch.238~0+241 Rectification of rebar mesh 1st layer Night F.Ch. 0+. Approx.(U/S) ch91.0~0+98.0 Grouting of rock dowels (total 37pcs, grouted=36 & 1pc is blocked) F.ch.0+89.0 Charging for blast i-1 Ch0+238~0+241 Second layer Shotcrete (SF Qty=16m ³) I-01, I-02 Ch.:0+10.0~5.0 Drilling of weep holes
Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2	Day F. Ch:0+241 Approx. Ch 0+237~0+241 approx.	Day F. Ch:0+241 Approx. Ch 0+230~0+235 Installation of rebar mesh 1st layer	Day F. Ch:0+241 Approx. Ch 0+230~0+240 Installation of rebar mesh 1st layer	Day F. Ch:0+241 Approx. U/S Ch 0+02.0~0+10.0	Day F. Ch:0+241 Approx. U/S Ch 0+007.0~0+12.0	Day F. Ch:0+241 Approx. Ch:0+230~0+241 Rectification of rebar mesh 1st layer in progress U/S	Day F. Ch:0+241 Approx. Ch.:0+230~0+241 Rectification of rebar mesh 1st layer

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	<p>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 Installation of rebar mesh 1st layer Night CH:0+238.9-241.2, 0+225.1 (01 missing) 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 U/S Ch:0+50-0+35 Installation of supporting bar for Tension rock bolts Installation of Tension rock bolts Ch:0+020-0+014 Installation of 2nd layer Rebar-mesh CH:0+007-0+002 Installation of 1st layer Rebar-mesh</p>	<p>CH:0+190.0-0+200.0 Drilling for 07m tension rock bolts U/S Ch. 0+08.0-0+03.0 Installation of rebar mesh 1st layer Night F. Ch:0+241 Approx. Ch.:0+225-0+241 Installation for 1st layer rebar mesh Ch.:0+190-0+218 Drilling for 7m rock bolts U/S Ch.:0+1-0+10 20:00-) Installation of rebar mesh 1st layer</p>	<p>CH:0+190.0-0+200.0 Drilling for 07m tension rock bolts 4holes U/S Ch. 0+14.0-0+32.0 Rectification of rebar mesh 2nd layer Note: All activities stop due to ph_{i3} (D/S) blast. Night F. Ch:0+241 Approx. CH.:0+232-0+239 Installation of 1st layer rebar's mesh U/S Ch.:0+1.5-0+10 Rectification of 1st layer rebar mesh</p>	<p>Installation of rebar mesh 1st layer Ch. 0+012.0-0+028.0 Rectification of rebar mesh 2nd layer third layer shotcrete PS Qty=16.0m³ Ch 0+108-0+80.0 Installation of form working for post tension rock bolts head cap D/S Ch.0+236-0+241 Installation of rebar mesh 1st layer Ch 0+190.0-0+220.0 Drilling for 07m post Tension rock bolts Night F. Ch:0+241 Approx. 0+188-0+205 Installation of rock bolts CH.:0+210-0+218 20:00- supporting bar for tension rock bolt CH.:0+236-0+241 Rectification of 1st layer rebar mesh U/S CH.:0+1.5-10 2nd layer shotcrete Ps Qty=16m³ CH:0+12-0+29 3rd layer shotcrete Ps (2nd pass) Qty=16m³ CH.:0+85-0+100 sika-Crete for Tension rock bolts head cap</p>	<p>Installation of rebar mesh (2nd layer) D/S Ch.0+230.0-0+241.0 Installation of rebar mesh 1st layer Ch 0+215.0-0+225.0 Packer grouting for 07m post Tension rock bolts. Night F. Ch:0+241 Approx. Ch.0+235.0-0+241.0 Installation of 1st layer rebar mesh Ch.:0+219-0+230 Rectification of 1st layer rebar mesh 2nd layer shotcrete is in progress 0+188-0+218 Installation of Tension Rock bolts U/S Ch:0+12-0+5 Installation of 2nd layer rebar mesh Ch.:0+15-0+34 Survey and demarcation of Tension Rock bolts</p>	<p>Ch.:0+007-0+012 Installation of rebar mesh 2nd layer Night F. Ch:0+241 Ch.:0+230-0+241 Rectification of 1st layer rebar mesh CH:0+219-0+230 2nd layer shotcrete 2nd pass 6m³ Ch:0+218-0+223 Installation of 2nd layer rebar mesh U/S Ch.:0+005-0+000 Installation of rebar mesh 2nd layer CH:0+170-0+175 Installation of 2nd layer Rebar mesh at wall CH:0+186-0+180 Installation of 2nd layer Rebar mesh at wall</p>	<p>Shotcrete 2nd layer (8m³ PS) U/S Ch.:0+007-0+012 Installation of rebar mesh 2nd layer Ch.:0+50-0+30 Drilling for tension rock bolts (L=7m) Night Ch.:0+230-0+241 Second layer shotcrete (SF Qty=16m³) ch.:0+222.0-217.0 Fixing of Second layer rebar mesh U/S Ch.:0+012-0+000 Rectification of second layer rebar mesh ch.:0+15.0-0+30.0 Fixing of supporting bar for tension rock bolts ch.:0+50.0-0+60.0 Second layer rebar mesh on wall</p>
Powerhouse Cavern Pilot I-1 & I-3	<p>Day i-1 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 Ch 0+05.0-0+20.0 Hand drilling for tension rock bolts supporting bars. Night</p>	<p>Day i-3 Ch 225.0-0+200.0 Excavation for drainage by Excavator i-1 I1 I2 & I3 Ch.: 0+210.0-0+220.0 Drilling for 07m tension rock bolts 0+40.0-0+30.0 Grouting for 07m tension rock bolts. Packer grouting for tension rock bolts. Grouting of trail test for tension rock bolts</p>	<p>Day Ch 225.0-0+200.0 Excavation for drainage by Excavator Ch. 0+190-0+195 Survey for blast at right wall under break area removing Drilling for blast under break area removing Charging for blast under break area removing, Depth holes=5.0m No. of</p>	<p>Day i-3 Ch 0+190-0+195 Mucking at right wall, Ch 0+108-0+80 Installation of form working for post tension rock bolts head cap Ch. 0+154-0+80 Invert drilling of trail test for lower benching 3holes Depth of hole=3m i-1 Night</p>	<p>Day i-1 I1 I2 & I3 Ch.:0+09.0-0+50.0 Pouring of sika Crete 114 for tension rock bolt's head cap. Installation of tension rock bolts head cap. Ch.:0+080.0-0+040.0 Installation of tension rock bolts Ch.:0+026.45-0+035.65 Pressure grouting for tension rock bolts I1</p>	<p>Day I1 I1 I2 & I3 Ch.:0+70-0+50 Installation of tension rock bolts 7m Ch.:0+203-0+44.5 Pressure grouting for tension rock bolts 7m Packer grouting Drilling for tension rock bolts 7m Night I3 0+235-0+241 23:10-2:00 Leveling by jack hammer on wall i-1 I1 I2 & I3 0+175-0+050</p>	<p>Day i-3 Ch.: 0+90-0+80 Removing of form work of anchor head. i-1 I1 I2 & I3 Installation of supporting bars for tension rock bolts Night i-3 Ch.:0+200-241.0 Survey for under break on wall i-1 ch.:0+25.0-0+00.0</p>

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	i-1 I-1, I-2 & I-3 CH:0+20~0+50 Installation of Tension rock bolts CH:0+96.6~0+9 0.85 Tensioning of Tension rock bolts Grouting of Tension rock bolts CH:0+31.05~0+ 24.15 Grouting for Packer i-3 I-1 & I-3 Levelling Face by jack hammer and Mucking	CH:0+187.0~0+ 235.0 09:30~12:00) Jointly thickness test Night I-1 I-1, I-2 & I-3 Ch.:0+20~0+00 Installation of tension rock bolts at i-3 Ch.: Ch:0+97.75~58. 65 Tensioning for tension rock bolts Ch:0+44.85~0+ 36.8 Grouting for tension rock boltsi-3 Ch:0+20~0+35 Installation of supporting bar for tension rock bolts	holes=18, Exp=25kg Blast carried out i-1 I1 I2 & I3 Ch.: 0+210.0~0+22 0.0 Drilling for 07m tension rock bolts Ch 0+70.0~0+60. 0 Tensioning test for 07m tension rock bolts. Ch. 0+40.0~0+15. 0 Grouting for 07m tension rock bolts. Packer grouting for tension rock bolts.	i-1 CH:0+40.25~0 +26.45 Packer grouting Pressure grouting for tension rock bolt Location: (-R99- 1=137.1kg,)	Ch:0+000~0+05 0.0 Jointly thickness test Night i-3 0+235-0+228 Levelling by Jack hammer on wall i-1 Ch.:0+17~0+00 Survey and demarcation of Tension Rock bolts I-1, I-2, and I-3 CH:0+218~0+20 0 Grouting for Tension Rock bolts CH:0+0194~0+1 03 Grouting for Packer CH:0+015~0+34 Drilling for Tension rock bolts	Grouting for Tension rock bolts 0+35~0+15 \Drilling for Tension Rock bolts	Drilling for tension rock bolts I1, I2 & I3 0+35~0+15 Installation of Tension Rock bolts
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 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+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+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+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+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+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+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+009.0 Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch...:0+009.0
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.	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.	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.	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.	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.	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.	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.

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	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) No Activity	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 Ch. 0+00~0+012.0 Installation of wire mesh at left wall Qty=73.5m ² Night Ch. 0+00~0+012.0 Installation of Wire mesh 63m ³	Day Ch. 0+000~0+014.0 Installation of wire mesh Qty=68.25m ² Night Ch. 0+00~0+012.0 No Activity	Day F.Ch. 0+015~ No Activity Night F.Ch. 0+015~ No Activity	Day F.Ch. 0+015~ Ch. 0+00~0+012 Installation of wire mesh Qty=78.75m ² Night F. Ch:0+15 approx. Ch. 0+09~0+013.0 Drilling for rock bolts	Day F.Ch. 0+015~ Junction area Grouting for rock dowels Qty=18pcs Night F. Ch:0+15 approx. Ch. 0+00-0+13 Rectification of Wire-mesh Shotcrete on Wire-mesh	Day F.Ch. 0+015~ Junction area Shotcrete PS 2nd layer qty=6m ³ Charging for blast Exp=55kg Blast is carried out Mucking Night F. Ch:0+15.5 approx. Mucking and Scaling Mapping Q=0.83 1st layer shotcrete Qty=4m ³	Day F.Ch. 0+015~ Junction area Survey for blast Drilling for blast Changing for blast (Exp=75 kg) Blast is carried out Night F. Ch:0+17.0 approx. Mucking & Scaling Mapping (Qv=0.93) Charging for additional blast (Exp=15.0kg) Blast carried out
Surge Chamber Vault Access Tunnel	Day Ch.0~0+477.0~ Survey for blast Drilling for blast Charging for blast Blast carried out Mucking and scaling Ch.:0+477.0~0+ 479.0 First layer shotcrete sf Qty=3.0m ³ Night Ch.:0+479 Survey for Blast Drilling for Blast Charging for Blast Blast Carried Out	Day Ch.0~0+477.0~ Ch.:0+475.0~0+ 481.0 Survey for rock dowels 06 rows Drilling for rock dowels Night Ch.:0+479 Ch.:0+475~0+4 81 Grouting for rock bolts Qty=19pcs	Day No activity Night Ch.:0+481 Drilling for blast Charging for blast Blast carried out	Day Ch.0~0+478.5 ~ Drilling for blast NOTE: Drilling jumbo breakdown Night Ch.:0+481 Charging for Blast Mucking and Scaling	Day No activity Night Ch.:0+481 Ch.:0+481~0+4 86 Grouting for rock bolts	Day Ch.0~0+481 Junction area Installation of wire mesh Night Ch.:0+481 Junction area 0+472~0+477 Installation of wire mesh	Day Ch.0~0+481 Junction area Installation of wire mesh (Qty=63m ²) Night Ch.:0+481 Junction area Rectification of wire mesh
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	Day F.Ch. 0+949.5.0 No Activity	Day F.Ch. 0+949.5.0	Day F.Ch. 0+949.5.0	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

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	Night F.Ch. 0+949.5.0 No Activity	Night F.Ch. 0+949.5.0 No Activity	Design excavation is complete Ch. 0+750~0+745 2nd layer remedial shotcrete Qty=3m ³ Night F.Ch. 0+949.5.0 No Activity	Design excavation is complete Night F.Ch. 0+949.5.0 Design excavation is complete	Night F.Ch. 0+949.5.0 Design excavation is complete	Night F.Ch. 0+949.5.0 Design excavation is complete	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	No activity	No activity	No activity	No activity	No activity	No activity	No activity
CT-2	Day F.Ch.0+009.0~(Approx.) Fixing of form work for 2nd no water tank. Cleaning of form work Fixing of formwork for gate barer column. Ch.:0+007.5~ Drilling for half section blast Charging for half section blast Exp=75kg Blast carried out Mucking & scaling NO of holes=70 First layer shotcrete Qty=4.0m ³ Night F.Ch.0+09.0~ Fixing of Wire Mesh Installation of Steel Arch Drilling for Blast	Day F.Ch.0+011.0~ Installation of reinforcement for 2nd no water tank bed. Ch.:0+011.0~ Installation & grouting for spiels 21pcs Used cement=300kg Ch.:0+009.0~0+ 011.0 Grouting for rock dowel 13pcs Used cement=300kg Ch.:0+009.0~0+ 011.0 Second layer shotcrete PS Qty=16m ³ Survey for blast Drilling for blast full section Charging for blast full section	Day F.Ch.0+011.0~ Installation of reinforcement for 2nd no water tank bed. Installation of steel arch Removing steel arch due to steel arch piece not fixed as per design. Ch.:0+011.0~ Drilling for rock dowels & spiels Grouting and Installation of rock bolts 12pcs Used cement=250kg	Day F.Ch.0+011.0~ Installation of reinforcement for 2nd no water tank bed. Night F.Ch.0+11.0~ 1:00-2:30 Installation of Steel Arch (01pc) Grouting for spiels	Day F.Ch.0+011.0~ Installation of reinforcement for 2nd no water tank bed & wall's Ch.:0+011.0~0+ 014.0 Grouting for spiels 6pcs Second layer shotcrete PS Qty=22m ³ Survey for blast Drilling for blast Night F.Ch.0+16.0 Blast carried out Mucking and scaling Geological mapping Q=0.25 1st layer shotcrete Qty=6m ³ Fixing of Wire- mesh	Day F.Ch.0+16.0~ Fixing of reinforcement for 2nd number water tank Installation of steel arch 1pcs Drilling for rock dowels & spiels Night F.Ch.0+16.0 Shotcrete on steel Arches Qty=12m ³ Survey for Blast Drilling for Blast Charging for Blast is in progress Exp=75kg	Day F.Ch.0+16.0~ Ch.: 0+14.5~0+15. 5 Fixing of wire mesh (Qty= 63m ²) Installation of steel arch. (2 Pcs) Sedimentation tank Fixing of Reinforcement for Sedimentation tank. Concreting of foundation of Sedimentation tank. (C25=14.8 m ³ , M10=2m ³) Night F.Ch.0+16.0 Drilling for rock dowels & spiels Grouting of rock dowels & spiels (Rock dowels=12pcs, spiels=23pcs) Second layer shotcrete (PS Qty=24m ³)
Switch yard Compounds	El: ▼920~930(1st layer) Excavation & levelling	El: ▼920~930(1st layer) Excavation & levelling	El: ▼920~930(1st layer) Excavation & levelling	El: ▼920~930(1st layer) Excavation & levelling	El: ▼920~930(1st layer) Excavation & levelling	El: ▼920~930(1st layer) Excavation & levelling	El: ▼920~930(1st layer) Excavation & levelling
Switch yard Day Work	Day work order No Activity	Day work order Excavation of loose material	Day work order Excavation of loose material	Day work order Excavation of loose material	Day work order No Activity	Day work order Excavation of loose material	Day work order Excavation of loose material
Date/Day Location	15 Wednesday	16 Thursday	17 Friday	18 Saturday	19 Sunday	20 Monday	21 Tuesday
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.

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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. 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+241.0~11 I2 I3 Ch.: 0+150 - 0+170 Drilling of 1m depth holes at random locations without survey marks. (di = 70 mm) I-3 F. Ch:0+087.0 (Approx.) U/S Ch.: 0+090 - 0+087 Mucking and scaling Mapping Q=1.67 1st layer Shotcrete (PS Qty = 06m³) Ch.: 0+90.5 - 89.25 Survey for rock dowels Drilling for rock dowels Ch.: 0+190 - 0+170 1st layer shotcrete on left wall (PS Qty = 08m³) Night i-1 I1 I2 I3 Ch.:0+ Drilling for weep holes	Day i-3 F. Ch:0+087.0 (Approx.) U/S Ch.: 0+098~0+93 Installation of 1st layer rebar mesh Night i-3 Ch.:0+95~0+89 Fixing of rebar mesh	Day i-3 F. Ch Approx. 0+241.0 (D/S) F. Ch:0+087.0 (Approx.) U/S Ch.: 0+088~0+93 Installation of 1st layer rebar mesh Ch.: 0+090.5 - 89.25 Grouting for Rock Dowels (7 pcs grouted. 2 rejected due to holes blockage) i-1 Ch.: 0+215 Drilling for PS tendon. Drilling was stopped after 11:00 due to drilling angle problem Night i-3 F.Ch. 0+87.0 Approx.(U/S) Ch.: 0+99~0+88 Rectification of 1st layer rebar mesh Ch.:0+180.0~0+185.0 Fixing of rebar mesh on wall	Day i-1 Ch.: 0+220 - 240 removing of invert from jack hammer to make the right angle for drilling jumbo boom for drilling of PS Tendons. i-3 F. Ch Approx. 0+241.0 (D/S) F. Ch:0+087.0 (Approx.) U/S Ch.: 0+090~0+98 Rectification of 1st layer rebar mesh Night i-1 Ch.: 0+220 - 240 Removing of invert from jack hammer to make the right angle for drilling jumbo boom for drilling of PS Tendons. i-3 F.Ch. 0+87.0 Approx.(U/S) Ch.: 0+098~0+89	Day i-1 Ch.: 0+200 - 0+241 Drilling jumbo came but drilling not started due to Boom angle problem i-3 F. Ch Approx. 0+241.0 (D/S) F. Ch:0+087.0 (Approx.) U/S Survey for blast Drilling for blast Charging for blast Exp= 112 KG. 63 holes Blast carried out 14:00- Mucking Night i-1 Ch.: 0+220 - 240 Removing of invert from jack hammer to make the right angle for drilling jumbo boom for drilling of PS Tendons. i-3 F.Ch. 0+85.0 Approx.(U/S) Survey for Blast Drilling for Blast Ch.: 0+098~0+89	Day i-1 Ch.: 0+230 - 0+241 Drilling of 06 m for PS Tendons. Contractor was told to mark/Number the locations of PS Tendons for easy record maintenance. i-3 Ch.: 170 - 155 installation of 1st layer rebar mesh on right wall Ch.: 0+88~0+85.5 survey for rock dowels Drilling for rock dowels Night i-1 NO Activity i-3 F.Ch. 0+85.0 Approx.(U/S) Ch.: 0+88~0+85.5 Packing of rock dowels Ch.: 0+160 - 0+155	Day i-1 Ch.:0+230~0+20 Invert Levelling survey for small under break at face side i-3 F. Ch Approx. 0+241.0 (D/S) F. Ch:0+083.0 (Approx.) U/S Charging Blast carried out Mucking D/S Ch.:0+155~0+165 rectification of rebar mesh Night i-3 F. Ch Approx. 0+241.0 (D/S) F. Ch:0+081.5 (U/S) Geological mapping (Qv=1.25) First layer shotcrete (PS Qty=5m³) Survey for blast Drilling for blast D/S Ch.:0+170.0~+180.0 Rectification of rebar mesh

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	<p>I-3 Ch.:0+99.0~0+94.0 Fixing of first layer rebar mesh and rock bolt plates</p> <p>ch.:0+150.0~0+100.0 First layer shotcrete on wall (PS Qty=11m³)</p> <p>Ch.:0+192~0+186 Fixing of first layer rebar mesh on wall</p>			<p>Rectification of 1st layer rebar mesh</p> <p>Ch.: 0+183.0~0+177.0 Fixing of 1st layer rebar mesh</p> <p>Survey for blast Carried out at Ch.:0+30.0~0+25.0 Ch.:0+30~0+34 (1st Round) Drilling at right wall for blast (Half portion) Note: Drilling started without Survey. Charging for Blast (Exp=50kg) Blast Carried out Mucking</p>	<p>Second pass of second layer shotcrete SF Qty=8m³</p> <p>Ch.:0+175.0~0+165.0 Fixing of first layer rebar mesh on wall</p>	<p>installation of 1st layer rebar mesh on wall Ch.:0+180.0~0+170.0 Rectification of first layer rebar mesh on wall</p>	
Transformer Cavern Pilot Tunnel I-2	<p>Day F.Ch.0+000 (D/S) CH:0+190-0+200 Installation of rebar mesh on wall Ch.:0+205-0+225 Rectification of rebar mesh on wall</p> <p>Night Ch.:0+00-0+07.0 Rectification of first layer rebar mesh</p> <p>ch.:0+160.0~0+185.0 First layer shotcrete on wall (PS Qty=5m³)</p>	<p>Day Day No Activity</p> <p>Night Ch.:0+208~0+238 Rectification of Rebar mesh on wall</p>	<p>Day Day F. Ch:0+241.0 (U/S) F.Ch.0+000 (D/S) Ch.: 0+000~0+010 Rectification of 1st layer rebar mesh</p> <p>Night Ch.: 0+000~0+010 Rectification of 1st layer rebar mesh</p>	<p>Day F. Ch:0+241.0 (d/S) Ch.: 0+175~0+170 Fixing of 1st layer rebar mesh on left wall</p> <p>F.Ch.0+000 (U/S) Ch.: 0+000~0+010 Rectification of 1st layer rebar mesh 2nd layer shotcrete sf (Qty =9m³)</p> <p>Night F.Ch. 0+241.0 Ch.: 0+173~0+177 Fixing of 1st layer rebar mesh on left wall</p>	<p>Day F. Ch:0+241.0 (d/S) Ch.: 0+190 - 200 installation of 1st layer rebar mesh on left wall</p> <p>Night F.Ch. 0+241.0 Ch.:0+225~0+240 Rectification of Rebar-mesh on wall Ch.: 0+180.0~0+190.0 Fixing of 1st layer rebar mesh on wall</p>	<p>F Day F. Ch:0+241.0 (d/S) Ch.: 0+200 - 0+215 rectification of 1st layer rebar mesh on left wall</p> <p>Ch.: 0+225 - 0+241 Rectification of 1st layer rebar mesh on left wall</p> <p>Night ch.:0+225.0~0+238.0 Rectification of first layer rebar mesh on wall</p>	<p>Day F. Ch:0+241.0 (d/S) Ch.: 0+240 ~0+220 rectification of 1st layer rebar mesh on wall</p> <p>Night F.Ch. 0+241.0 Ch.: 0+240 ~0+234 Rectification of 1st layer rebar mesh on wall</p> <p>Ch.:0+186.0~0+200.0 Second layer shotcrete on wall (Qty=16m³)</p>
Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2	<p>Day F. Ch:0+241 approx. Ch.:0+220-241 Installation of rebar mesh 2nd layer (2 sides)</p> <p>Ch.: 0+140 - 160)1st layer SF shotcrete at left wall (Qty = 24m³)</p> <p>Night Ch.:0+00.0~ Invert Mucking</p> <p>Ch.:0+52.0~0+75.0 Rectification of rebar mesh on wall</p> <p>D/S Ch.:0+218~0+239</p>	<p>Day F. Ch:0+241 approx. Ch.:0+215-241 Installation of rebar mesh 2nd layer ch.:0+00.0~+12.0 3rd layer shotcrete (Qty=8m³)</p> <p>NIGHT Ch.:0+218~0+241 Fixing of 2nd layer rebar mesh Ch.:0+218~0+192.0 1st layer shotcrete on wall (SF Qty=16m³)</p>	<p>Day i-3 D/S F. Ch:0+241 approx. Ch.:0+035~0+045 Installation of 2nd layer rebar's mesh on left wall.</p> <p>Ch.: 0+218~0+241 Rectification of 2nd layer rebar mesh 3rd layer shotcrete (PS Qty = 24m³) Ch: 0+210~0+190 1st layer SF shotcrete on left wall (Qty= 17m³).</p> <p>Night i-3</p>	<p>Day F. Ch:0+241 approx. Ch:0+220~0+241 Mucking of ramp material and invert leveling Ch:0+155~0+165 Installation of 1st layer rebar's mesh on left wall.</p> <p>NOTE: Contractor has installed 1st layer rebar mesh on left wall Ch: 0+140~0+150 with 2nd layer rebar mesh of crown. Ch.: 0+220 - 240 Drilling for thickness test</p>	<p>Day F. Ch:0+241 approx. Ch.: 0+210 - 241 1st layer Shotcrete on left wall SF (Qty = 06m³)</p> <p>Ch.: 0+180 - 190 Installation of 1st layer rebar mesh on left wall</p> <p>Night F. Ch:0+00.0 (U/S) Ch.:0+00.0~0+12.0 Installation of tension rock bolts Ch.:0+145.0~0+170.0</p>	<p>Day Ch.: 0+210~0+225 Installation of 1st layer rebar mesh on left wall</p> <p>Night F.CH.0+241.0 (D/S) Ch.:0+223.0~0+230.0 Fixing of first layer rebar mesh on wall Ch.:0+215.0~0+223.0 Fixing of first layer rebar mesh on wall F. Ch:0+00.0 (U/S) Ch.:0+00~0+23.0 First layer shotcrete on</p>	<p>Day F. Ch:0+241 approx. Ch.: 0+230~0+241 Installation of 1st layer rebar mesh on left wall Ch.: 0+160~0+180 Rectification of 1st layer rebar mesh on left wall Ch.: 0+040~0+035 Installation of 2nd layer rebar mesh on left wall</p> <p>Night F.CH.0+241.0(D/S) Ch.: 0+160~0+185 Rectification of 1st layer rebar mesh on wall</p>

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STB from Powerhouse Connection Tunnel	Day F.Ch. 0+017 approx. Junction area Ch.: 0+015-0+17 Shotcrete 1st layer (PS 3m ³) Ch.: 0+003~0+015 Remedial shotcrete (PS 2m ³) Night F. Ch:0+17.0 approx. Drilling for blast Charging Qty=75kg Blast carried out Mucking	Day F. Ch. 0+019 Approx. Junction area Ch.: 0+017-0+019 Shotcrete 1st layer (SF 2.4m ³) Night F. Ch:0+19.0 approx. Drilling for Blast Charging for Blast Exp=75kg Blast Carried out Mucking Mapping (Qv=0.96) Ch.:0+19.0~0+21.0 First layer of shotcrete (PS Qty=3m ³)	Day F.Ch. 0+019 Approx. Ch.: 0+008~0+015 Drilling for rock dowels Night F. Ch:0+19.0 approx. Ch.: 0+008~0+018 Grouting for rock dowels (Grouted=33pcs)	Day F.Ch. 0+019 Approx. Survey for blast Drilling for blast Charging for Blast (Exp 75 Kg). 65 holes Blast carried out 17:50-18:30) Mucking Night F. Ch:0+21.0 approx. Mapping (Qv=0.98) First layer shotcrete (Qty=3m ³)	Day F.Ch. 0+019 Approx. Survey for blast Drilling for blast Charging for blast Night Note: Charging for blast is not done because the contractor hasn't explosive for blast	Day Note: Charging for blast is not done because the contractor hasn't explosive for blast Night F. Ch:0+21.0 approx. Ch:0+18.0~0+22.0 Drilling for rock dowels(7holes)	Day F.Ch. 0+021 Approx. no activity Night F. Ch:0+21.0 approx. Charging for blast (Exp=25kg) Blast carried out Mucking & scaling Mapping (Qv=0.75) 1st layer shotcrete Qty=3m ³
Surge Chamber Vault Access Tunnel	Day Junction area Ch.: 0+470 -0+490 Rectification of wire mesh Shotcrete 2nd layer (8m ³ SF) Night Ch.:0+481 Junction area Shotcrete 2nd layer (Qty=8m ³ SF) Survey for blast Drilling for blast	Day Junction Enlargement area Ch.: 0+489~0+492 Mucking and scaling 1st layer shotcrete (PS Qty = 04m ³) Night Ch.:0+492.0 Junction area CH.:0+487.0~0+491.0 Drilling for rock dowels Grouting of rock dowels, length=5m (total=12pcs,09pcs are grouted, 7pcs rejected,	Day Junction Enlargement area Ch.: 0+485~0+495 2nd pass of 1st layer shotcrete (Qty=7m ³ PS) Ch.: 0+475~0+485 2nd pass of 2nd layer shotcrete (Qty=8m ³ PS) Ch.: 0+490 Survey for additional blast Drilling for additional blast Charging for blast (Exp=48 kg) Blast carried out	Day Junction Enlargement area Repairing of ventilation duct. (Grouting did not start because of ventilation problem) Grouting is stop due to extremely poor ventilation issue. Night Ch.:0+492.0 Grouting is stopped due to extremely poor ventilation issue.	Day Junction Enlargement area Grouting of rock dowels (6 pcs grouted) Night Ch.:0+492.0 ch.:0+484.0~49.0 Second layer shotcrete (Qty=15m ³)	Day Junction enlargement area Ch.: 0+490~0+495 Installation of wire mesh on crown. Night Ch.: 0+490~0+495 Installation of wire mesh on crown.	Day Junction Enlargement area Ch.: 0+490~0+495 rectification of wire mesh Night Junction Enlargement area Ch: 0+490~0+495 2nd layer PS shotcrete Qty=7m ³
Drain Tunnel	Day F.Ch. 0+949.5.0 Design excavation is complete Ch., 0+900-0+950 Joint thickness test Night F.Ch. 0+949.5.0 Design excavation is complete	Day F.Ch. 0+949.5.0 Design excavation is complete STC junction area Ch.: 0+435~0+440 Remedial shotcrete. (3m ³ SF) Ch:0+440~0+445 Remedial shotcrete. (3m ³ SF) Ch., 0+600~0+660 Joint thickness test Ch.:0+600~0+528 Jointly thickness test has been done only bottom holes crown portion are remaining Night F.Ch. 0+949.5.0 Design excavation is complete	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

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Tailrace Tunnel No 2	Night Ch: K0+053.5 No Activity.	Night Ch: K0+053.5 No Activity.	Night Ch: K0+053.5 No Activity.	Night Ch: K0+053.5 No Activity.	Night Ch: K0+053.5 No Activity.	Night 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+227~0+240 Rectification of 1st layer rebar mesh on left wall Shotcrete 2nd layer (8m³ SF) Ch.:0+170~0+185 Rectification of 1st layer rebar mesh on left wall Ch.: 0+190~0+220 Excavation for side drain Night F.Ch. 0+241.0 No Activity	Day Ch.:0+170~0+185 Rectification of 1st layer rebar mesh on left wall Ch.: 0+80 - 100 Removal of detached Shotcrete from Left Wall Night F.Ch. 0+241.0 Ch:0+160.0~0+155.0 Installation of first layer rebar mesh on wall Ch:0+186.0~0+176.0 2nd layer SF shotcrete Qty=7m³	Day F. Ch:0+241.0 (d/S) Ch.:0+170~0+185 Rectification of 1st layer rebar mesh on left wall Ch.: 0+80 - 100 Removal of detached Shotcrete from Left Wall Ch.: 0+080 - 090 Remedial shotcrete on left wall (Qty = 06m³) Night Ch:0+147.0~0+152.0 Installation of first rebar mesh	Day F. Ch:0+241.0 (d/S) Ch.:0+145~0+160 Rectification of 1st layer rebar mesh on left wall Ch.:0+160~0+175 Shotcrete PS second layer shotcrete 2nd pass Qty=8m³ Night F.Ch. 0+241.0 No Activity	Day F. Ch:0+241.0 (d/S) Ch.:0+145~0+160 Rectification of 1st layer rebar mesh on left wall Ch.:0+160~0+175 Shotcrete PS second layer shotcrete 2nd pass Qty=8m³ Night F.Ch. 0+241.0 No Activity	Day F. Ch:0+241.0 (d/S) Ch.:0+145~0+160 Rectification of 1st layer rebar mesh on left wall Ch.:0+160~0+175 Shotcrete PS second layer shotcrete 2nd pass Qty=8m³ Night F.Ch. 0+241.0 No Activity	Day Ch.:0+145~0+140 Installation of 1st layer rebar mesh on left wall Night Ch:0+135.0~0+130.0 Installation of first layer rebar mesh on wall	Day F. Ch:0+241.0 (d/S) Ch.:0+130~0+125 Installation of 1st layer rebar mesh on left wall Night F.Ch. 0+241.0 Ch:0+132.0~0+125.0 Installation of first layer rebar on wall
Transformer Cavern Pilot Tunnel I-1 and I-3	Day i-1 Ch.:0+000~0+010; ET-TC junction Removal of side drain, Removal and leveling of TC access invert. i-3 Ch.: 0+105~0+85 Removal of under breaks from side wall	F. Ch Approx. i-3 F. Ch:0+080.0 (Approx.) U/S Ch.:145~0+150 Installation of 1st layer rebar mesh on right wall Ch: 0+89~0+84 Installation of 1st layer rebar mesh on right wall remaining mucking last blast	Day i-3 F. Ch:0+080.0 (Approx.) U/S Ch.:135-140 Installation of 1st layer rebar mesh on right wall Ch:0+26~0+34 (2nd) mucking and scaling Survey for blast (crown 1st round)	Day i-3 F. Ch Approx. 0+241.0 (D/S) Ch:0+125~0+120 Installation of rebar mesh 1st layer on wall F. Ch:0+078.0 (Approx.) U/S Ch.:0+85~0+80 Installation of 1st layer rebar mesh	Day i-3 F. Ch Approx. 0+241.0 (D/S) Ch:0+115~0+110 Installation of rebar mesh 1st layer on right wall Ch:0+187~170 Rectification of 1st layer rebar mesh on right wall U/S	Day i-3 F. Ch:0+241 Approx. D/S Ch.:0+200 - 235 Rectification of rebar mesh 1st layer on right wall Ch.: 0+235 - 241 Installation of rebar mesh 1st layer on right wall	Day I3 F. Ch Approx. 0+241.0 (D/S) Ch:0+100+110 rectification of rebar mesh 1st layer on right wall Ch:0+160~0+150 Rectification of 1st layer rebar mesh on right wall U/S F. Ch:0+078.0 (Approx.) Ch:0+89 - 0+80	

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	<p>and drain with jack hammer Ch.:140~0+150 Installation of 1st layer rebar mesh on right wall Ch: 0+89~0+84 Installation of 1st layer rebar mesh on right wall</p> <p>Night F. Ch Approx. 0+241.0 (D/S)</p> <p>Ch.:140~0+150</p> <p>Installation of 1st layer rebar mesh on wall</p> <p>F. Ch:0+081.5 (U/S)</p> <p>Charging for blast</p> <p>Blast carried out</p> <p>Mucking</p> <p>Charging for additional blast (Exp=25kg)</p> <p>Blast carried out</p> <p>Mucking & scaling</p> <p>Mapping Qv=1.6</p> <p>First layer SF shotcrete Qty=6m³</p>	<p>Ch: 0+84.25~0+80.5 Survey for rock dowels Ch: 0+205~0+185 Rectification of 1st layer rebar mesh on right wall Ch:0+26~0+34 (1st round) Charging for blast (Exp=83 kg) Blast carried out moving of blasted material to right side</p> <p>Night i-3 F. Ch Approx. 0+241.0 (D/S) Ch:0+186.0~0+170.0 Rectification of first layer rebar mesh Ch:0+135.0~0+128.0 Installation of first layer rebar mesh Ch:0+26~0+34(U/S) Mucking & scaling Survey for blast Drilling for blast is in progress Ch:0+89.25~0+84.25 Drilling for rock dowels (4Rows) Installation & packing of rock dowels</p>	<p>Drilling for blast Charging for blast (Exp=20 kg) Blast carried out Note: Blast done by the contractor without AFL.</p> <p>Ch.: 0+088 - 80.5 Grouting for rock dowels (26 pcs grouted, 13 rejected due to grouting pipe damage and leakage) Ch.: 205 - 195 Rectification of 1st layer rebar mesh on right wall</p> <p>Night Ch:0+88.0~0+80.5(U/S) Predrilling of rejected & leakage rock dowels Installation & packing rock dowels Ch:0+128.0~0+134.0 Installation of first layer rebar mesh on wall Ch:0+26.0~0+34.0 3rd Round Drilling for blast Charging for blast Blast carried out Mucking & scaling</p>	<p>Ch:0+26~0+34 (2nd) Survey for blast Drilling for blast Charging for blast Exp=37kg Blast is carried out mucking</p> <p>Night F. Ch Approx. 0+241.0 (D/S) Ch:200.0~0+187.0 Rectification of First layer Rebar mesh on wall 2nd Layer SF shotcrete Qty=16m³ Ch:0+120~0+115.0 Installation of First layer Rebar mesh on wall Ch:0+88~0+80 (U/S) Rectification of First layer rebar mesh Ch: 0+088 - 80.5 Grouting for rock dowels 16pcs Ch:0+26.0~0+34.0 (3rd round Lower portion) Survey for blast Drilling for blast Charging for blast (Exp=100kg) Blast carried out Mucking & scaling</p>	<p>F. Ch:0+078.0 (Approx.) Ch.:0+88~0+80 8:00-) rectification of 1st layer rebar mesh</p> <p>Ch:0+26~0+34 (4th round) Survey for blast Drilling for blast Charging for blast Exp= 62KG Blast carried out Mucking</p> <p>Night i-3 F. Ch Approx. 0+241.0 (D/S) Ch:0+200.0~0+175.0 2nd layer Remedial SF Shotcrete Qty=8m³ Ch:0+120.0~0+113.0 Installation of rebar mesh on wall Ch:089.0~0+80.0 20:00_5:30 Rectification of first layer rebar mesh Ch:0+26.0~+34.0 Survey for blast Drilling for blast Charging for blast (Exp=50kg) Blast carried out Mucking & scaling</p>	<p>I-1 Ch.: 0+230.0~241.0 Installation of 7m tension rock bolts</p> <p>CH:0+001.0~0+236.0 Pressure grouting of tension rock bolts. CH:0+125.35~0+226.55 packer grouting for 7m tension rock bolts Drilling for 08m Rock dowels was stopped due to wrong survey done by the contractor. Rectification of lower portion of 1st layer Wire mesh at face.</p> <p>Night i-1 F. Ch Approx. 0+241.0 2nd layer PS shotcrete on face Qty=16m³ i-3 Ch:0+40.0Approx Installation of tension rock bolts</p>	<p>2nd layer shotcrete sf Qty=16m³</p> <p>Ch:0+31.75~28 grouting for rock dowels 22psc & 1pcs rejected due to leakage</p> <p>Night I3 F. Ch Approx. 0+241.0 (D/S) F. Ch:0+80.0(U/S) Survey for blast Drilling for blast Ch:0+100.0~0+125.0 Rectification of first layer rebar mesh on wall Ch:0+26.0 Survey for blast Ch:0+34.0 Survey for blast Drilling for blast</p>
Powerhouse Cavern Pilot tunnel (Crown portion) I-2	<p>Day F. Ch:0+241 Approx. Ch.: 0+220~0+241 Rectification of 1st layer rebar mesh on left wall Ch.: 0+148~0+165) Rectification of 1st layer rebar mesh on left wall Night F.CH.0+241.0(D/S) Ch.:0+237~0+241.0 Fixing of first layer rebar mesh on wall CH:0+190~0+230 Rectification of 1st layer rebar mesh on wall Ch.: 0+165.0~0+180.0</p>	<p>Day Ch.: 0+200 - 241 Rectification of 1st layer rebar mesh on left wall Shotcrete 2nd layer (8m³ PS) Night F.CH.0+241.0(D/S) Ch:0+181.0~+198.0 Rectification of first layer rebar mesh on wall Ch:0+0+212.0~0+220.0 Packer Grouting for tension rock bolts</p>	<p>Day F. Ch:0+241 Approx. Ch.:0+185~0+241 rectification of rebar mesh 1st layer at left wall Night Ch:0+19.0~0+21.0(U/S) Drilling for PS tendon (7 holes Drilled Each hole Depth 6m) Ch:0+230.0~0+238.0 Rectification of first layer rebar mesh on wall</p>	<p>Day F. Ch:0+241 Approx. Ch.: 0+220 - 241 Rectification of 1st layer Rebar mesh on left wall Night F.CH.0+241.0(D/S) Ch:0+221.0~0+239.0 packer Grouting for tension rock bolts</p>	<p>Day F. Ch:0+241 Approx. Ch.202.0~0+115.0 Rectification of rebar mesh Night F.CH.0+241.0(D/S) Ch.192.0~0+115.0 2nd layer shotcrete (Qty=20m³) Ch:0+012.0~0+013.0 Installation of first layer Rebar mesh on wall Ch:0+228.0~0+235.0 Grouting for tension rock bolts Ch:0+001.0~0+86.0 Packer Grouting for tension rock bolts</p>	<p>Day F. Ch:0+241 Approx. 0+000 - 016.0 Joint thickness test. Ch.: 0+025 - 015.0 Installation of 1st layer rebar mesh on left wall Night F. Ch:0+241(D/S) Ch:0+230.0~0+240.0 Drilling for tension rock bolts Installation of tension rock bolts is in progress Ch:0+04~0+08 Installation of first layer rebar mesh on wall Ch:0+15.0~0+20.0</p>	<p>Day F. Ch:0+241 Approx. Ch.: 0+015 - 003 Installation of rebar mesh 1st layer on left wall Ch.: 0+032 - 027 Installation of 2nd layer rebar mesh on left wall Ch.: 0+220 - 241 Rectification of 1st layer rebar mesh on left wall Night F. Ch:0+241(D/S) Ch:00.0~0+10.0 Installation & rectification of First layer rebar mesh on wall Ch:0+220.0~0+241.0 2nd layer PS Shotcrete Qty=8m³</p>

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	to lack of available resources.	to lack of available resources.	to lack of available resources.	to lack of available resources.	to lack of available resources.	to lack of available resources.	lack of available resources.
Service Tunnel B	Day F.Ch. 0+023 Approx. Drilling for blast Charging for blast (Exp=47 kg) Blast carried out Mucking and scaling	Day F.Ch. 0+025 Approx. Drilling for blast Charging for blast (62 kg) Blast carried out Night F. Ch:0+25 Mucking & scaling	Day F.Ch. 0+026 Approx. Drilling for blast Charging for additional blast (Exp=15 kg) b Additional last carried out Mucking and scaling Night F. Ch:0+25 No Activity	Day F.Ch. 0+026 shotcrete on Junction area (Qty = 08m ³) Night Blast carried out Mucking	Day F.Ch. 0+027.5 Approx. Ch.:0+26~27.5 Mapping Qv = 1.33 1st layer Shotcrete (3m ³ SF) Survey for blast 16:20- Drilling for blast Night F. Ch:0+27.0 Charging for blast Blast carried out	Day F.Ch. 0+030. Approx. Ch.:0+027.0~0+30 Shotcrete 1st layer (3.2m ³ SF) Night F. Ch:0+27.0 Ch:0+22.5~0+28.0 Drilling for rock dowels	Day F.Ch. 0+030.0 Drilling for blast Note: Charging of explosive delayed due to shortage of explosive. Night F. Ch:0+30.0 Ch:0+22.5~0+28.0 Grouting for rock dowels 44 pcs Grouted
Surge Chamber Vault Access Tunnel	Day Junction Enlargement area Ch.: 0+490~0+499 Drilling for left side crown enlargement Charging for blast Blast carried out Mucking Night Junction Enlargement area Ch: 0+490~0+495 Mucking of ramp material	Day Junction Enlargement area Ch.: 0+490~0+499 Mucking of yesterday's blasted material and ramp Night Junction Enlargement area Ch: 0+490~0+499 Mucking of ramp	Day Junction Enlargement area Ch.: 0+490~0+499 no activity Night Junction Enlargement area Ch: 0+490~0+499 no activity	Day Junction Enlargement area Ch.: 0+490~0+499 no activity Night Junction Enlargement area Survey for blast Drilling for blast Charging for blast Blast carried out	Day Junction Enlargement area Ch.: 0+490~0+499 Shotcrete 1st layer (8m ³ PS) Survey marking for Rock dowels without survey drilling for rock dowels Night Junction Enlargement area Grouting for rock dowels Length-5m	Day Junction Enlargement area Ch.: 0+490~0+499 Grouting of 5m rock dowels at crown. (7 pcs grouted) Night Junction Enlargement area Grouting for rock dowels	Day Junction Enlargement area Ch.: 0+490~0+499 shotcrete PS second layer second pass 8m ³ Night Junction Enlargement area Ch.: 0+490~0+499 Installation of First layer wire mesh Qty=42m2
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 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 Design excavation is complete No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete No activity Night F.Ch. 0+949.5.0 Design excavation is complete No Activity
Intake platform Protection fence	No activity	▼976~977 Ch.: 0+102~0+105 Excavation of Ditch at intake Area Drilling for blast (16 Holes) Charging for blast (80 kg Exp) Blast carried out Excavation 0+115~0+120 Drilling for blast for Ditch.	Intake plate form ▼976~977 Ch.: 0+110~0+120 Charging for blast (100 kg Exp) Blast carried out Excavation	▼976~977 Ch.: 0+120~0+125 Drilling for blast (10 holes, Dia=90mm, Depth=3~5m) Charging for blast (70 kg Exp) Blast carried out Mucking	▼976~977 Ch.: 0+120~0+125 Drilling for boulder blast Charging for blast (25 kg) Blast carried out Excavation and mucking	▼976~977 Ch.: 0+125~0+128 Drilling for blast	▼976~977 Note: Blast not allowed due to safety issue as per RE instruction
CT-2 Adit Tunnel	Day CT-2 F.Ch.0+27 Ch.: 0+21~0+23	Day CT-2 Ch.0+27.0~0+29	Day CT-2 Ch.:0+26.5~0+29 Scaling	Day CT-2, F. Ch: 0+29.0 Ch.:0+22.5~0+29.0	Day CT-2, F. Ch: 0+31.5 Mucking and scaling	Day CT-2, F. Ch: 0+31.5 Ch.: 0+028.5	Day F. Ch: 0+034.0 Ch: 0+031.5~0+034.0

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	<p>Fixing of rebar mesh (Qty=52.5m²) Installation of steel arches (Pcs=02) Drilling of spiels and rock dowels Ch: 0+27.0 Grouting of spiels (22 pcs) Ch: 0+21-0+22.5 Grouting of rock dowels (13 pcs)</p> <p>Sedimentation tank) Form work fixing for sedimentation tank</p> <p>Night F.Ch.0+27.0 Ch: 0+18-0+26.0 Second layer shotcrete (PS Qty=28.0m³) Face scaling for blast Survey for blast Drilling for blast</p>	<p>Charging for blast Blast carried out Mucking and scaling Mapping (Qv=0.33) Shotcrete 1st layer (8m³ PS) Ch.: 0+24-0+25 Fixing of wire mesh (Qty=47.25m²) Ch:0+24-0+25 Installation of steel arches (2 pcs)</p> <p>Night F.Ch.0+29 Drilling for rock dowels & spiels</p>	<p>1st layer shotcrete (3m³ PS) Ch.: 0+26-0+27 Fixing of wire mesh (Qty=52.5m²)</p> <p>Night F.Ch.0+29 Ch:0+25-0+26.0 Installation of Steel Arch Drilling for rock dowels & spiels</p>	<p>Drilling of spiels and rock dowels Ch.: 0+29.0 Grouting of spiels (21 Pcs) Ch.: 0+22.5-0+27.0 Grouting of rock dowels (52 pcs) Ch.: 0+025-0+029.0 Shotcrete 2nd layer (Qty=16m³ PS)</p> <p>Night F. Ch: 0+29.0 Survey for blast Drilling for blast Charging</p>	<p>Drilling for blast Charging for blast (20 Kg) Blast carried out Scaling Mapping (Qv=0.89) Shotcrete 1st layer (8m³ PS) Ch.: 0+28-0+31 Fixing of wire mesh</p> <p>Night F. Ch: 0+29.0 Installation of Steel Arch Drilling for rock dowels Grouting</p>	<p>Grouting of rock dowels (13 Pcs) Ch.: 0+026-0+030 Shotcrete 2nd layer (24m³) Ch.:0+031.5 Survey for blast Drilling for blast</p> <p>Night F. Ch: 0+29.0 Ch:15.0-0+28.5 Remedial shotcrete Qty=8m³ Charging for blast Blast carried out Mucking</p>	<p>Drilling for additional blast Charging for blast (Exp=8kg) Blast Carried out Scaling Mapping Shotcrete 1st layer (3m³ PS) Ch.: 0+30-0+32 Fixing of wire mesh (Qty= 4.5 pcs) Ch: 0+30.6-0+31.6 Installation of steel arches. (2 Pcs) Ch: 0+034 Drilling for spiels. Installation and welding of platform for ventilation fan.</p> <p>Night F. Ch: 0+32.0 Drilling for spiels & rock dowels Grouting for Spiels Qty=21 pcs Grouted Ch:0+ Grouting for rock dowels Qty=13pces Grouted Shotcrete 2nd layer PS Qty=16m³</p>
Switch yard Compound	<p>EI: ▼920-930 (1st layer) Excavation</p> <p>Night Shift 6th layer shotcrete 6m³</p>	<p>EI: ▼920-930 (1st layer) Excavation</p>	<p>EI: ▼920-930 (1st layer) Excavation</p> <p>Night 6th layer shotcrete Qty=9m³</p>	<p>EI: ▼920-930 (1st layer) Excavation</p>	<p>EI: ▼920-930 (1st layer) Excavation</p> <p>EI: ▼970-980 (6th layer) Fixing of wire mesh</p>	<p>EI: ▼920-930 (1st layer) Excavation</p> <p>EI: ▼970-980 (6th layer) Fixing of wire mesh</p>	<p>EI: ▼920-930 (1st layer) Excavation</p> <p>EI: ▼970-980 (6th layer) Fixing of wire mesh</p>
Switch yard Day work order	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity
Remarks							

Daily Work Records of EM-01

Locations	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
Terrace #1	Excavation leveling and compaction	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #2	No activity	Excavation/backfilling and leveling	No activity	No activity	No activity	No activity	No activity
Terrace #3	No activity	Excavation and leveling	Excavation and leveling	Excavation and leveling	Excavation and leveling	Excavation and leveling	Excavation and leveling
Terrace #4	Leveling and compaction	No activity	No activity	No activity	No activity		No activity
Terrace #8	Backfilling /leveling and compaction	Excavation/backfilling and leveling	Backfilling /leveling and compaction	No activity	Backfilling /leveling and compaction	Backfilling /leveling and compaction	Backfilling /leveling and compaction
Terrace #9	No activity	Breaking boulders to collect stone for stone masonry	Excavation and leveling	Excavation and leveling	Excavation and leveling	No activity	No activity
Terrace #10	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Access road	No activity	Backfilling and compaction	No activity	Backfilling and compaction	No activity	No activity	No activity
Locations	8 Wednesday	9 Thursday	10 Friday	11 Saturday	12 Sunday	13 Monday	14 Tuesday
Terrace #1	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #2	Excavation and leveling	Excavation and leveling	Excavation and leveling	Excavation and leveling	Excavation and leveling	Excavation and leveling	No activity
Terrace #3	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #4				No activity	No activity	No activity	No activity
Terrace #8	Backfilling and leveling	Excavation and leveling	Backfilling and leveling	Backfilling and leveling	Backfilling /leveling and compaction	Backfilling /leveling and compaction	Backfilling /leveling and compaction
Terrace #9	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #10	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #11	No activity	No activity	No activity	No activity	No activity	No activity	Excavation and leveling
Access road	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Storeroom	Steel cutting for columns	Steel cutting and bending for columns	Steel cutting and bending for columns	Steel cutting and bending for columns	Steel cutting and bending for columns	Steel cutting and bending for columns	Steel cutting and bending for columns
Locations	15 Wednesday	16 Thursday	17 Friday	18 Saturday	19 Sunday	20 Monday	21 Tuesday
Terrace #1	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #2	Excavation for foundation	No activity	No activity (Local stop work)	No activity	Pouring for lean concrete for foundation (8cum)	Stone masonry for retaining wall	No activity
Terrace #3	No activity	No activity	No activity	No activity	No activity	No activity	Stone masonry for retaining wall

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Terrace #4	No activity	No activity	No activity	No activity	No activity	No activity	
Terrace #8	Excavation and leveling	Backfilling /leveling and compaction	No activity (Local stop work)	Backfilling /leveling and compaction	Backfilling and leveling	Backfilling /leveling and compaction	Backfilling /leveling and compaction
Terrace #9	Removal for loose rocks from the back side of terrace	Removal for loose rocks from the back side of terrace	No activity (Local stop work)	Removal for loose rocks from the back side of terrace	Excavation and leveling	No activity	Excavation and leveling
Terrace #10	No activity	No activity	No activity	No activity	No activity	No activity	Excavation/ leveling and compaction
Terrace #11	Excavation and leveling	Excavation and leveling	No activity (Local stop work)	Excavation and leveling	No activity	Excavation and leveling	No activity
Terrace #12	No activity	No activity	No activity	No activity	Excavation and leveling	No activity	No activity
Access road	No activity	Excavation for foundation	No activity	No activity	No activity	No activity	No activity
Storeroom	No activity	No activity	No activity	No activity	No activity	No activity	Steel cutting for columns
Boundary wall	Excavation for column foundation	Excavation for column foundation	No activity (Local stop work)	Stone masonry	Installation of steel columns	No activity	No activity
locations	22 Wednesday	23 Thursday	24 Friday	25 Saturday	26 Sunday	27 Monday	28 Tuesday
Terrace #1	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #2	No activity	Stone masonry for retaining wall	No activity	Stone Crushing	No activity	No activity	No activity
Terrace #3	No activity	No activity	Stone Masonry retaining wall	Stone Masonry retaining wall	Stone Masonry retaining wall	Stone Masonry retaining wall	Stone Masonry retaining wall
Terrace #4	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #8	Excavation for foundation of retaining wall	Backfilling	Backfilling	Compaction	FDT test	Backfilling Compaction	Backfilling Compaction
Terrace #9	Excavation for slope	Excavation for slope	No activity	No activity	No activity	Excavation	No activity
Terrace #10	No activity	No activity	No activity	No activity	No activity	No activity	Excavation
Terrace #11	No activity	Excavation and leveling	No activity	No activity	No activity	No activity	No activity
Terrace #12	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Access road	No activity	No activity	No activity	No activity	No activity	No activity	No activity
Storeroom	Steel cutting for columns	Steel cutting for columns	No activity	No activity	No activity	No activity	No activity
Boundary wall	No activity	Installation of steel Reinforcements for plinth beam	No activity	No activity	No activity	No activity	No activity