



# DASU HYDROPOWER CONSULTANTS

Dasu Hydropower Project

Joint Venture of



DOLSAR  
ENGINEERING

With sub-consultants



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Contract No: DHP-CSA01

Our Ref. No: DHC/Dasu/WAPDA/GEN/HN/23- 412

Date: 15<sup>th</sup> April, 2023

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

**Subject: Dasu HPP - MPR No.104 for the Month of March 2023 under Assignment-B**

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

Sincerely yours,

Project Manager  
Dasu Hydropower Consultants

**Attachment: MPR No.104 (14 Copies)**

**Copy to:**

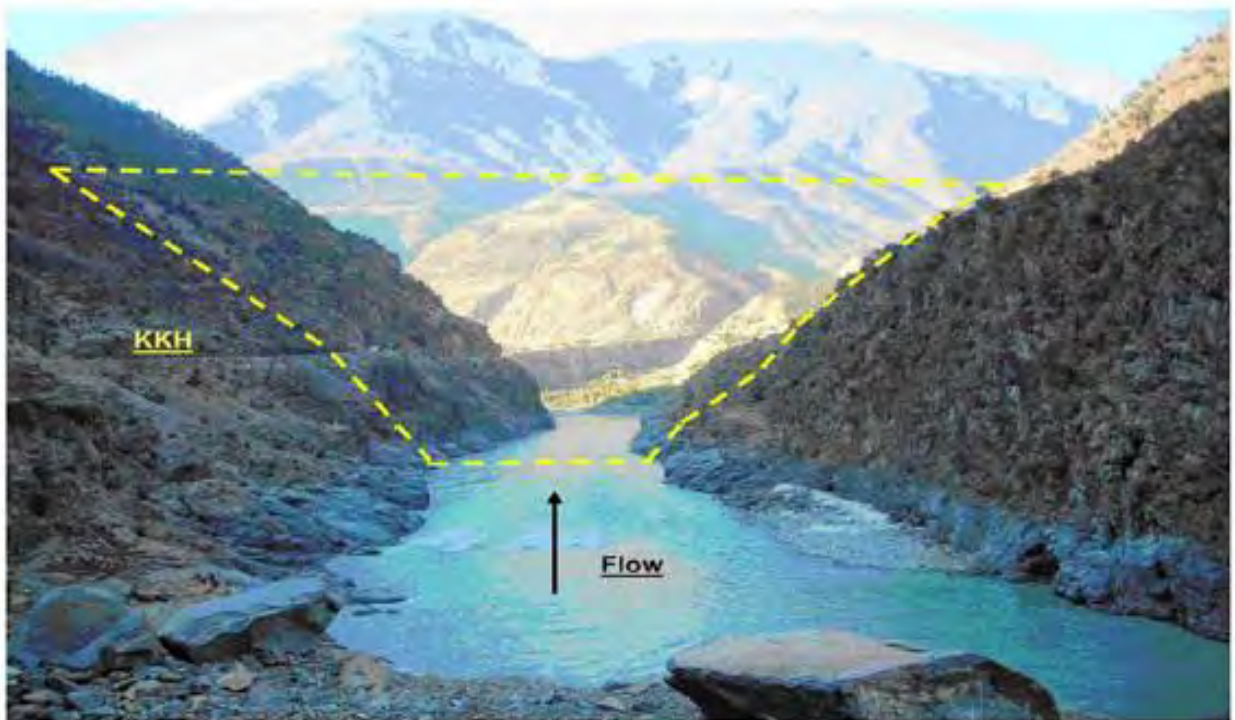
1. All J.V. Members (1-copy each)
2. DHC Lahore Office
3. Office file



PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY

# DASU HYDROPOWER PROJECT

Consultancy Services for Preparation and Implementation of  
Dasu Hydropower Project  
Assignment – B: Construction Design, Contract Management and  
Construction Supervision Support  
Contract No. DHP-CSA01



## Monthly Progress Report No. 104

### March 2023

### Dasu Hydropower Consultants (DHC)

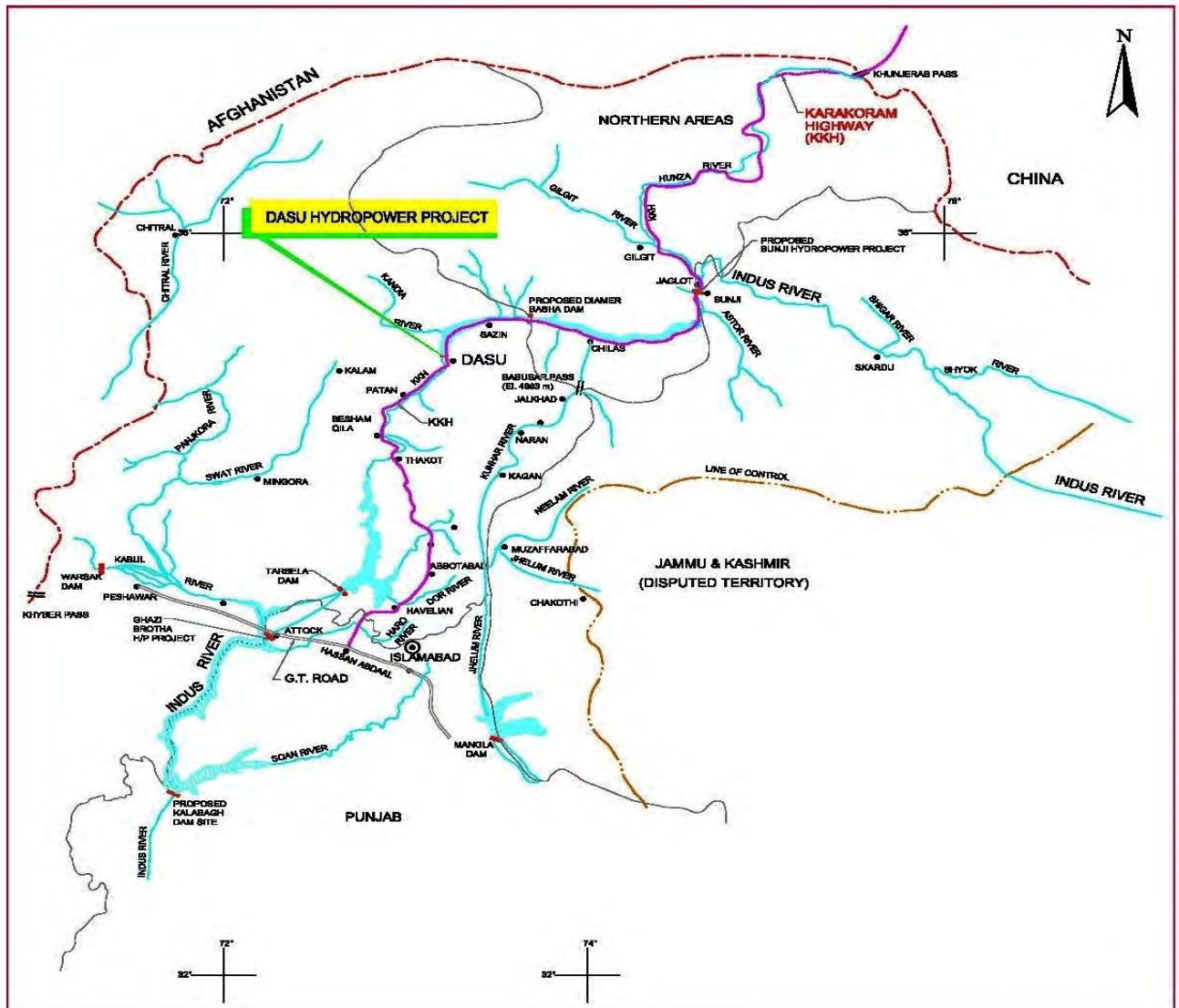
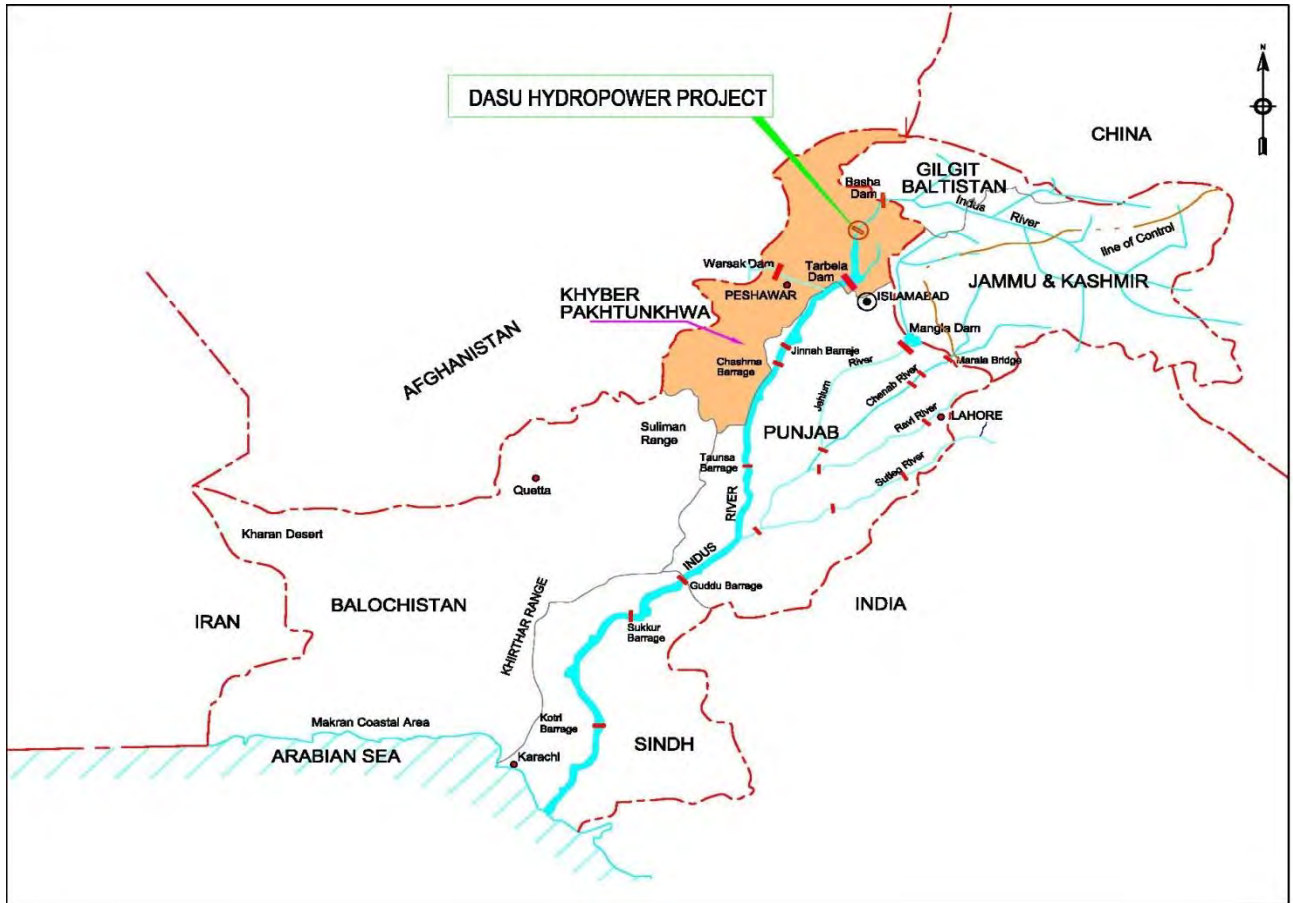
Joint Venture of



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

<b>Item</b>	<b>Features</b>
- Catchment Area at Dam Site	158,800 km <sup>2</sup>
- Average Discharge at Dam Site	2,102 m <sup>3</sup> /s
- Safety Check Flood (SCF) Pre-Basha	51,957 m <sup>3</sup> /s
- Basic Design Flood (BDF) Pre-Basha	24,932 m <sup>3</sup> /s
<b>Reservoir</b>	
- Gross Storage Capacity (El.950m)	1.41x 10 <sup>9</sup> m <sup>3</sup>
- Operational Storage Capacity	0.82x 10 <sup>9</sup> m <sup>3</sup>
<b>Water Level</b>	
- 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
<b>Diversion Tunnel (revised)</b>	
- 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
<b>Main Dam</b>	
- 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 <sup>6</sup> m <sup>3</sup>
<b>Spillway</b>	
- 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 <sup>3</sup> /s
- Plunge Pool	162.26 m from dam toe
<b>Low Level Outlet</b>	
- 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 <sup>3</sup> /s by 9-LLO at El.955.67 m 2,756 m <sup>3</sup> /s by 2-LLO at El.959.46 m
<b>Flushing Tunnel</b>	
- 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 <sup>3</sup> /s per tunnel
<b>Power Intake</b>	
- 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)

<b>Item</b>	<b>Features</b>
- Intake gantry crane	1 No, for operation of stop logs and trash racks
<b>Power Tunnel</b>	
- 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
<b>Power Generation</b>	
- Installed Capacity	2,160 MW (after completion of Stage II: 4,320 MW)
- Generating Units	6 No (after completion of Stage II: 12 No), Francis turbines
- Generating Unit Capacity	360 MW, 166.7 rpm
- Powerhouse Location	Underground, left bank
- Powerhouse Cavern L × W × H	212 m (424 m) × 31 m × 62 m
- Transformer Cavern L × W × H	212 m (424 m) × 22 m × 33.5 m
- Maximum Gross Head under 12-unit operation	187.17 m
- Design Head	179.51 m
- Rated Discharge	1,335 m <sup>3</sup> /s for 6 units, 2,670 m <sup>3</sup> /s for 12 units
- Rated Voltage	16.5 kV
- Annual Energy Production Pre-Basha	12,225 GWh (18,432 GWh)
- Plant Factor	49%
<b>Tailrace Tunnel</b>	
- 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 <sup>3</sup> /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)
<b>Tail Water Level</b>	
- 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
<b>Power Transmission</b>	
- Transmission Voltage	765 kV (AC)
- Powerhouse Substation	765 kV GIS, Underground
- Take-off Switchyard	765 kV AIS, Surface
<b>Relocation of Karakoram Highway (KKH)</b>	62 km
<b>Right Bank Access road from Komila to Uttar Gah Via Dam Crest</b>	81 km
<b>Major Project Roads</b>	
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## 1 EXECUTIVE SUMMARY

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

### 1.1 Major Events

- (1) An online meeting was held with the Dispute Board Members of MW-01 and MW-02, The Contractor and The Employer on 4<sup>th</sup> of March 2023. The main focus of the meeting was the updated progress of main works. The DB members showed a great concern about the delay in the revised baselines of both contracts and the resource-loaded schedules by the Contractor.
- (2) Meetings were held with the WAPDA Projects Advisor from March 15 to 17, 2023 with the presence of CGGC, CCECC, CGICOP and Power China Contractors on the progress of works. Other topics discussed were the Impoundment Plan, the Traffic Management Plan, and the Spillway Design.
- (3) During the month of March 2023, an amount of PKR 76,391,734/- was paid as compensation payment to 38 PAPs of 19 components. A total of 47 cheques were issued by DC office during the reporting month.

By the end of March 2023, a total amount of PKR 19.52 billion was paid, including PKR 19.17 billion to 7,962 PAPs through 11,777 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

### 1.2 Procurement Status

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

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

**Table 1.1: Procurement Status of Preparatory and Main Works Contracts**

Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
1	MW-01: Main Hydraulic Structure, Spillway, Low-Level Outlets, River Diversion, and Hydraulic Steel Structures	29.12.2016	08.03.2017	23.06.2017	22-1-2023	China Ghezouba Group Company Limited (CGGC)s
2	MW-02: Under Ground Power Complex, Tunnels and Hydraulic Steel Structure	29.12.2016	08.03.2017	23.06.2017	21-2-2023	China Ghezouba Group Company Limited (CGGC)
3	EM-01: Procurement of Plant Design, Supply, Installation, Testing & Commissioning of Hydro-Mechanical and Electrical Equipment	22.10.2019	25.11.2019	20.5.2020	19-6-2025	G.E. Hydro China Co. Ltd. & Power China Zhongmei Engineering Corporation Ltd. Joint Venture (GE-PC JV)
4	KKH-01: Relocation of Karakoram Highway from KM 0+000 to 25+200	09.02.2015	16.03.2015	24.08.2015	20-2-2017	China Civil Engineering Construction Company (CCECC)
5	RAR-01: Construction of Right Bank Access Road from Komila to SEO Dam Site	09.02.2015	16.03.2015	24.08.2015	22-8-2016	China Civil Engineering Construction Company (CCECC)
6	TL-01: Procurement, Design, Supply, Installation, Testing & Commissioning of 132 kV Single Circuit Transmission Line and Grid Station (From Switchyard Dubair Khwar to proposed Grid Station Dasu)	03.03.2015	24.04.2015	02.11.2015	18-6-2016	Power China Corporation Company (PCCC)
7	Resettlement of Villages Left Bank of Indus River LBRV-11	27.02.2017	20.04.2017	26.12.2018	25-12-2019	Zhongmei Engineering Group Limited
8	Resettlement of Villages Left Bank of Indus River LBRV-12	27.02.2017	20.04.2017	26.12.2018	25-12-2019	Zhongmei Engineering Group Limited
9	RAR-02: Construction of Right Bank Access Road from Dam Site to Uttar Gah	22.06.2016	18.01.2017	20.12.2021	18-5-2023	China Ghezouba Group Company Limited (CGGC)
10	KKH-02: Relocation of Karakoram Highway from KM 25+200 to 62+213	27.02.2017	25.04.2017	Commencement Letter not yet issued/ Land Issue		China Ghezouba Group Company Limited (CGGC)
11	Right Bank of Indus River RBRV-11	27.02.2017	25.04.2017	Commencement Letter not yet issued/ Land Issue		China Railway 17 <sup>th</sup> Bureau Group Co. Ltd. (CR17B)

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Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
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 <sup>th</sup> April 2017. Comments of CCC were received and after incorporating said comments the PQ documents were resubmitted to WAPDA on 31 <sup>st</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 program were planned to be phased over a period of twenty-five years as shown in following Table:

**Table 2.1: Implementation of Vision 2025 Program**

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

The Project is included in Phase III of the Vision 2025.

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

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

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

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

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

**Table 2.2: Structural Components for Each Stage**

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

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

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

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

### **3 CONSTRUCTION SUPERVISION CONSULTANTS ACTIVITY**

#### **3.1 Contract for the Consultancy Services**

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

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

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

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

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

Five Amendments agreed up to are summarized below.

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

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

#### **3.2 Objectives and Scope of Work**

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

##### **3.2.1 Objectives**

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

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

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

##### **3.2.2 Scope of the Services**

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

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

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

### 3.2.3 Reports and Documents

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

**Table 3.1: List of Reports and Documents to be provided**

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

### 3.2.4 Commencement of the Services

#### **Assignment – A**

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

#### **Assignment – B**

The work on the Assignment-B has been initiated with effect from 1<sup>st</sup> 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	892.25	15.45	907.70
Dolsar	520.96	374.52	8.32	382.84
Locals	8,950.44	6,017.81	99.09	6,116.90

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

**Table 3.3: Total DHC Staffing on the Project**

Sr. No.	Place of Work	Technical Staff		Non-technical Staff	Total Staff
		Expatriate	Local		
1	Lahore Office	-	1	24	25
2	Head Office Dasu	28	114	248	390
<b>Grand Total</b>					<b>415</b>

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. Hiroataka Koizumi	Construction Technical Advisor	06 <sup>th</sup> March 2023	NK
2	Mr. Okan Alper Koruk	Resident Engineer KKH-02 & RAR-02	06 <sup>th</sup> March 2023	Dolsar
3	Mr. Airo Asayama	Resident Engineer Dam	08 <sup>th</sup> March 2023	NK
4	Mr. Burhan Arioiz	Transmission Line and Grid Station Specialist	09 <sup>th</sup> March 2023	Dolsar
5	Dr. Masud Karim	Environment Advisor B / OHS Expert	12 <sup>th</sup> March 2023	NK
6	Mr. Sadahiro Kato	Resident Engineer (Hydraulic Steel Structure)	13 <sup>th</sup> March 2023	NK
7	Mr. Fidencio Mendez	Project Manager	20 <sup>th</sup> March 2023	NK
8	Mr. Junichi Fukuwatari	Dam Design Specialist	24 <sup>th</sup> March 2023	NK
9	Mr. Hironobu Nishimiya	Chief Resident Engineer	31 <sup>st</sup> March 2023	NK
10	Mr. Hakan Buyukcoban	Resident Engineer KKH-01 & RAR-01	31 <sup>st</sup> March 2023	Dolsar

**Table 3.5: Departure of DHC Expatriates from Project**

Sr. No.	Name of Staff	Position/Designation	Date of Departure	Name of Firm
1.	Mr. Junichi Fukuwatari	Dam Design Specialist	02 <sup>nd</sup> March 2023	NK
2.	Mr. Neil Napoleon	Deputy Lead OHS	14 <sup>th</sup> March 2023	NK
3.	Mr. Hiroataka Koizumi	Construction Technical Advisor	20 <sup>th</sup> March 2023	NK
4.	Mr. Ali Onur Kuyucak	Bridge Design / Supervision Engineer KKH-01 & RAR-02	22 <sup>nd</sup> March 2023	Dolsar
5.	Mr. Hironobu Nishimiya	Chief Resident Engineer	23 <sup>rd</sup> March 2023	NK
6.	Dr. Masud Karim	Environment Advisor B / OHS Expert	26 <sup>th</sup> March 2023	NK
7.	Mr. Hojjat Husseinzadeh	RCC CVC Mix Expert	28 <sup>th</sup> March 2023	NK

**Table 3.6: Mobilization of DHC Local Technical Staff at Project**

Sr. No.	Name of Staff	Position/Designation	Date of Joining	Name of Firm
1.	Mr. Kashif Sajjad	ARE Roads KKH-02 & RAR-02	15 <sup>th</sup> March 2023	DMC
2.	Mr. Naveed Iqbal	Sr. Quantity Engineer	20 <sup>th</sup> March 2023	NDC
3.	Mr. Hafiz Jamil Ahmed	Sr. Cost Schedule Monitoring Engineer	21 <sup>st</sup> March 2023	NDC
4.	Mr. Shehzad Iqbal	Jr. Planning Engineer	11 <sup>th</sup> March 2023	NDC
5.	Mr. Shoaib Ahmed Quadri	Jr. Costing & Construction Planner / Schedule Monitoring Engineer	8 <sup>th</sup> March 2023	NDC
6.	Mr. Alam Hussain	Sr. Quantity Engineer (KKH-01 & RAR-01)	13 <sup>th</sup> March 2023	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.	Mr. Khurram Shahzad	Sr. Engineer Tailrace Outlet	20 <sup>th</sup> March 2023	NDC

### 3.4 Major Activities of Construction Supervision Consultants

#### 3.4.1 Construction Supervision

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

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

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

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

#### 3.4.2 Procurement, Contract Administration and Measurement

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

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

For a variety of reasons, completion of the Works within the Time for Completion specified in the Dasu-KKH-01, Dasu-RAR-01, Dasu-TL-01, LBRV-11, LBRV-12, DASU-RV and PCI-01R Contracts has not been possible and the dates indicated within these Contracts have passed. Therefore, for programming and management and to avoid the Contracts being at large, the Consultant has determined the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> interim Extension of Time for Dasu-KKH-01, Dasu-RAR-01 and Dasu-TL-01, the 1<sup>st</sup> interim Extension of time of LBRV-11, LBRV-12 which were approved by the Employer and World Bank (except KKH-01). The 1<sup>st</sup> 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 4<sup>th</sup> EOT for TL-01 & RAR-01, and 1<sup>st</sup> 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 submit the additional particulars regarding blast incident at the earliest. [MW-01 & MW-02]
- The Engineer acknowledged and registered the Contractor's notice to claim due to increase in sales tax. [MW-01 & MW-02]
- The Engineer requested the Employer to provide the PESCO billing rates for VO-006. [MW-01]
- The Engineer instructed the Contractor to enhance the security for expatriates and buy the armed vehicles. [MW-01 & MW-02]

- The Engineer instructed the Contractor to extend the insurance policies as per the contractual requirements. [MW-01 & MW-02]
  - The Engineer provided his comments to the Employer on the non-binding opinion of DB on the Crushing and Batching plant dispute. [MW-01 & MW-02]
  - The Engineer provided his response to the Contractor on the time period related to the Prolongation claim cost. [MW-01 & MW-02]
  - The Engineer provided his response to the Employer on the Engineer's principle of claim on Head Office Overhead claim. [MW-01 & MW-02]
  - The Engineer provided his response to the Employer on the status of Contractor's CAR and third-party insurance policies. [MW-01 & MW-02]
  - The Engineer issued instructions regarding the extension of the insurance policies to the Contractor. [MW-01 & MW-02]
  - The Engineer submitted the self-explanatory letter of the Contractor regarding support in custom clearance. [MW-01 & MW-02]
  - The Engineer submitted his comments to the Employer on the Contractor's response on enhancement of security of the expatriates. [MW-01 & MW-02]
  - The Engineer provided his response to the Employer on the matter of attested translation of documents. [MW-01 & MW-02]
  - The Engineer provided his response to the Contractor on the matter on translation of documents. [MW-01]
  - The Engineer asked clarifications on the payment to purchase the armed vehicles by the Contractor. [MW-01 & MW-02]
  - The Engineer submitted his response to the Employer on the stoppage of work due to blast incident. [MW-01 & MW-02]
  - The Engineer submitted his response to the Contractor on the matter of the non-adjustable portion of the Contract price. [MW-01 & MW-02]
  - The Engineer reminded the Contractor to provide the PESCO Billing rate in respect of VO-06. [MW-01]
  - The Engineer submitted response to the Employer on the DB's decision on dispute of Crushing and Batching plant. [MW-01]
  - The Engineer issued the instruction to the Contractor for the construction of temporary road at Uchar Nullah. [MW-01 - MW-02]
  - The Engineer issued the instruction to the Contractor regarding incident happened with Local Police. [MW-02]
- b) Contract ICB No. Dasu-PCI-01R**
- The Engineer submitted the bidding documents for the procurement of the solar power system for project colony.
  - The Engineer instructed the Contractor to extend the advance payment guarantee as per the contractual requirement. .
  - The Engineer issued the VO-019 "Slope Protection Works at Backside of the Hostel Cat-02 2C and 2D" at Project Colony.
  - The Engineer reminded the Contractor to extend the advance payment guarantee.
  - The Engineer provided his response to the Contractor on his claim due to delay in mobilization due to adverse climate.
- c) Contract ICB No. DASU-PCI-02:**
- The Engineer submitted the evaluation report on pre-qualification of applications to the Employer.
  - The Engineer provided the clarification on the evaluation of the Pre-qualification applications.
- d) Contract ICB No. DASU-RAR-01:**
- The Engineer intimated the contractor on the status of the verification of the supporting documents pertaining to the advance payment guarantee.
  - The Engineer informed the Employer about the change of the Contractor's bank account for the local currency payment.

- The Engineer acknowledged and registered the Contractor notice of claim due to increase in sales tax.
  - The Engineer instructed the Contractor to extend the Contractor's WC insurance policy.
  - The Engineer submitted the response to the Employer regarding the Contractor's cost claim pertaining to extension of insurances and guarantees.
- e) Contract ICB No. DASU-RAR-02:**
- The Engineer requested the Employer to obtain the bulk rates of bitumen grade 60/70 from Attok Petroleum.
  - The Engineer instructed the Contractor to provide the translated copies of requisite documents for claim submitted.
  - The Engineer instructed the Contractor to provide his response along with requisite documents in support of its Blast incident claim.
  - The Engineer informed the Contractor regarding anomalies in the Contractor's submission of interim payment application IPA No.3.
  - The Engineer submitted his response to the Employer regarding the termination of the Contract.
  - The Engineer certified the interim payment certificate IPC No.3
  - The Engineer instructed the Contractor to extend the Contractor plant and machinery insurance policy as per his contractual obligation.
  - The Engineer provided his response to the Contractor on his notice to impact of oil shortages.
  - The Engineer instructed the Contractor to provide the authentic translations of the documents for his claim.
  - The Engineer responded to the Employer on his request to provide explanatory note regarding follow up actions to be taken in case of termination of the Contract.
- f) Contract ICB No. TL-01**
- The Project Manager requested the Employer to reduce the amount of security for the balance amount of advance payment on the request of the Contractor.
  - The Project Manager submitted the Contractor's performance security to the Employer.
  - The Project Manager submitted detailed comments to the Employer on evaluation of the re handling claim of the Contractor.
  - The Project Manager submitted response to the Contractor's notice to claim due to increase in sales tax.
- g) Contract ICB No. EM-01**
- The Project Manager instructed the Contractor to fulfil its obligation to bear the maintenance and operational cost of the vehicles.
  - The Project Manager requested the Employer to provide income tax exemption certificate and annexure A to the Contractor.
  - The Project Manager reminded the Employer to expedite the approval process of the proposed DB member.
  - The Project Manager acknowledged the Contractor's notice to claim and registered as EM-01/C-08 – Notice of Claim due to Delayed Generation of FI Number.
  - The Project Manager informed the Employer regarding the reminder issued to the Contractor to expedite the establishment of DB.
  - The Project Manager requested the Employer to provide clarification on Employer's agreement with local land owners.
  - The Project Manager requested the Employer to provide written permission to the Contractor to use the indices used on WAPDA's other projects for price adjustment.
  - The Project Manager submitted the Contractor's consent on the Employer's nominee for DB member.
  - The Project Manager submitted its response to the Contractor on the Contract Price Adjustment matter.
  - The Project Manager provided the details of the status of evaluation of the Contractor's claim EM-01/C-05.

- The Project Manager requested the Employer for the delivery order to shipping line of 1st shipment to for the Contractor.
- The Project Manager submitted the response of the Contractor to the Employer regarding the operation and maintenance of the vehicles.
- The Project Manager requested the Employer to provide the necessary permits required for the storage of the 1st shipment at Ghazi Barotha warehouse.
- The Project manager requested the Employer for handing over of stamped original bill of landing of 1st shipment.
- The Project Manager submitted its response on the Contractor's notice of claim due to increase in sales tax to the Contractor.
- The project Manager submitted the Employer's delivery order for shipment line of 1st shipment to the Contractor.
- The Project Manager provided his response to the Contractor on his claim EM-01/C-08.
- The Project Manager provided his response to the Contractor on his claim EM-01/C-07.
- The Project Manager requested the Employer to discharge the overdue payments to the Contractor.
- The Project Manager again requested the Employer to discharge overdue payment of the Contractor as early as possible.
- The Project Manager provided principle of claim for the Contractor's claim no WM-01/C-06.
- The Project Manager reminded the Employer to arrange the income tax exemption certificate in respect of the Contractor's 2nd shipment.
- The Project Manager requested the Employer for clarification on deduction of payment from IPC No.3.
- The Project manager requested the Employer to arrange a meeting between the Employer's and the Contractor's tax teams.
- The Project Manager requested the Employer to provide the requisite permits and gates passes for temporary storage at Ghazi Barotha warehouse.

**h) Contract ICB No. KKH-01**

- The Engineer requested the Employer to provide security personnel for new Chinese camps at Dasu.
- The Engineer informed the Employer about the change of the Contractor's bank account for local currency.
- The Engineer acknowledged the notice of claim due to increase of sales tax and registered as KKH-01/C-29.
- The Engineer instructed the Contractor to enhance the security of expatriates by purchasing the new armed vehicles.
- The Engineer submitted his queries regarding adjustment of KPST from the Contract Price.
- The Engineer certified the Interim payment Certificate IPC No.30.
- The Engineer provided his response to the Employer on inclusion of assessed claim amounts of the Contractor in IPCs.
- The Engineer requested the Employer to obtain the bulk rates of bitumen grade 60/70 from Attock Petroleum.
- The Engineer provided his response to the Contractor on his notice of claim due to delay at Dogah tunnel and Kaigah bypass.

**i) Contract ICB No. KKH-02**

- The Engineer instructed the Contractor to participate in meeting regarding commercial proposal for construction of tunnels and bridges.
- The Engineer requested the Employer to designate a person to attend the meeting regarding commercial proposal for the construction of tunnels and bridges.
- The Engineer acknowledged the notice of claim due to increase in sales tax submitted by the Contractor and registered as KKH-02/C-06.
- The Engineer submitted the minutes of meeting regarding the commercial proposal for construction of tunnels and bridges to the Contractor and the Employer.
- The Engineer acknowledged and registered the Contractor's claim for disruption due to landowner.

- The Engineer acknowledged and registered the Contractor's claim due to exceptionally adverse climatic conditions.
- The Engineer instructed the Contractor to provide consent on the Employer's proposed nominee for sole DB member.
- The Engineer instructed the Contractor to start performing works of VO-02 on provisional rates.
- The Engineer certified the Interim payment certificate IPC No.5.
- The Engineer provided his comments to the Contractor regarding Translation of documents of the Extension of guarantee claim.
- The Engineer provided his estimated rate for the VO-002A, VO-002B, VO-002C and VO-002D to the Contractor.

**j) Contract ICB No. LBRV-11 & LBRV-12**

- The Engineer instructed the Contractor to propose the recovery mechanism of advance payment. [LBRV-11 & LBRV-12]
- The Engineer instructed the Contractor to complete the outstanding works at different sites. [LBRV-11 & LBRV-12]

**k) Contract ICB No. DASU RV**

- The Project Manager submitted the draft for the adjudicator agreement to the Employer.
- The Project Manager instructed the Contractor to extend the performance security as per the Contractual requirement.

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

The major DHC activities undertaken during this month:

**A) KKH-01 Team**

**1) Major Activities**

- Engineer has instructed the Contractor to ensure the provision of material including cement and wire mesh to expedite the progress of slope protection works at Zero-point 3<sup>rd</sup> bench.
- Engineer has instructed the Contractor to remove the unauthorized and uninformed dumped material to reinstate the subject area to the previous conditions in project colony.
- Contractor has requested the Engineer to change the Kaigah aggregate with the sandy gravel in RCCP.
- Engineer reminded the Contractor to expedite the work on rock reconstruction at K7 area to avoid any kind of hindrance to adjacent colony boundary wall and other works of TL.

**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
31-Jan-23	CCECC/DASU-KKH-01/ASU-2/ RFDA/222	submission of work done drawings for DASU-02 tunnel (K4+472 ~ K4+624)	27-Feb-2023	Approved Except as Noted
03-Feb-23	CCECC/DASU-KKH-01/Logro B/ RFDA/001R	Submission of Revised shop Drawings for Protection Retaining wall at Logro-B Outlet portal & uchar bridge abutment	25-Feb-2023	Approved Except as Noted
11-Feb-23	CCECC/DASU-KKH-01/IPC-30-X-Section/ RFA/238	Submission of Work done Cross Section for IPC 30 of KKH-01 K1+406.25 to K1+700.00 KKH-01	24-Mar-2023	Approved Except as Noted
13-Feb-23	CCECC/DASU-KKH-01/LOGRO-A/ RFDA/225	Submission of Geological Over-break for Grade-V LOGRO-A Tunnel Rd (K9+152-K9+245)	14-Mar-2023	Approved as Noted
21-Feb-23	CCECC/DASU-KKH-01/IPC-30-X-Section/ RFA/239	Submission of Work done Cross Section for IPC 30 of KKH-01 K1+700.00 to K1+906.25 KKH-01	04-Mar-2023	Approved Except as Noted
21-Feb-23	CCECC/DASU-KKH-01/DOGAH Bridge/RFDA/ RFDA/526	submission of shop drawing of K22 Dogah bridge on KKH-01	13-Mar-2023	Revise & Resubmit
23-Feb-23	CCECC/DASU-KKH-01/Uchar Bridge/RFDA/ RFDA/227	Submissions of shop Drawings of Uchar bridge on KKH-01	07-Mar-2023	Approved Except as Noted
23-Feb-23	CCECC/DASU-KKH-01/Barseen Bridge/RFDA/ RFDA/228	Submissions of shop Drawings of Barseen bridge K22 on KKH-01	09-Mar-2023	Revise and Resubmit
24-Feb-23	CCECC/DASU-KKH-01/LOGRO-B/ RFDA/214R	Submission of Revised shop Drawings for logro-B Tunnel (K11+880-K11+928)	08-Mar-2023	Approved as Note

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
24-Feb-23	CCECC/DASU-KKH-01/LOGRO-B/ RFDA/215R	Submission of Revised shop Drawings for Dogah tunnel (K23+585-K23+655)	08-Mar-2023	Approved as Note
24-Feb-23	CCECC/DASU-KKH-01/LOGRO-B/ RFDA/218R	Submission of work done Drawings for Dasu-02 Tunnel (K4+544-K4+624)	27-Mar-2023	Approved as Note
24-Feb-23	CCECC/DASU-KKH-01/DASU-02/ RFDA/228	Submission of Work done Drawings for Dasu-02 tunnel (K4+430-K4+472 & (K4+552-K4+580)	27-Mar-2023	Approved as Note
26-Feb-23	CCECC/DASU-KKH-01/IPC-30-X-Section/ RFA/241	Submission of Work done Cross Section for IPC 30 of KKH-01 K1+406.25 to K1+693.75 KKH-01	08-Mar-2023	Approved Except as Noted
26-Feb-23	CCECC/DASU-KKH-01/K-4 Tunnel/RFA/001	Submission of Geological Over-break of K4 tunnel for your Review and approval please.	08-Mar-2023	Approved Except as Noted
28-Feb-23	CCECC/DASU-KKH-01/IPC-30-X-Section/ RFA/242	submission of work done cross sections of slope protection at zero point for IPC 30 of KKH-01 R.D K1+425.00 to K1+581.25 & K1+775.00 to K1+900.00	06-Mar-2023	Approved Except as Noted
01-Mar-23	CCECC/DASU-KKH-01/S.TANK/RFDA/231	submission of detail shop drawing for sedimentation tank for K6 batching plant Area KKH-01	18-Mar-2023	Revise and Resubmit
06-Mar-23	CCECC/DASU-KKH-01/S.TANK/RFDA/232	submission of detail shop drawing for settling tank for uchar batching plant KKH-01	20-Mar-2023	Revise and resubmit
07-Mar-23	CCECC/DASU-KKH-01/Uchar Bridge/RFDA/ RFDA/001	submission of shop drawings for uchar bridge foundation (pier # 1 and pier # 2)	11-Mar-2023	Revise and Resubmit
09-Mar-23	CCECC/DASU-KKH-01/Barseem approach bridge piling work Ms/RFA/003	submission of method statement for piling work of approaching bridges at barseen bridge area	16-Mar-2023	Revise and Resubmit
11-Mar-23	CCECC/DASU-KKH-01/S.TANK/RFDA/234	submission of shop drawing for the retaining wall at K0+796.875 ~ K0+815.625, K1+053.125 ~ K1+065.6 25 and K1+090.625 ~ K1+103.125 on khushee access road (KKH-01)	16-Mar-2023	Approved Except as Noted
15-Mar-23	CCECC/DASU-KKH-01/IPC-31-X-Section/ RFA/004	submission of method statement for uchar batching plant sedimentation tank	20-Mar-2023	Revise and resubmit
15-Mar-23	CCECC/DASU-KKH-01/Uchar Bridge/RFDA/ RFDA/001R	submission of shop drawings for uchar bridge foundation (pier # 1 and pier # 2)	24-Mar-2023	Approved as Noted
21-Mar-23	CCECC/DASU-KKH-01/S.TANK/RFDA/235	submission of shop drawing for sub base at kushee access road (KKH-01)	22-Mar-2023	Approved as Noted
21-Mar-23	CCECC/DASU-KKH-01/S.TANK/RFDA/235	submission of work done cross sections for IPC-31 at K1+406.25 to K1+950.00 on KKH-01	22-Mar-2023	Approved as Noted
21-Mar-23	CCECC/DASU-KKH-01/S.TANK/RFA/245	submission of work done cross sections for IPC-31 at K1+406.25 to K1+950.00 on KKH-01		Under review
21-Mar-23	CCECC/DASU-KKH-01/K9-Tunnel/ RFA/003	Submission of Geological Overbreak Data Of K9-Tunnel for Your Review and Approval, please.		Under review
21-Mar-23	CCECC/DASU-KKH-01/K11-Tunnel/ RFA/001R	Submission of Revised Method Statement of LOGRO-B Tunnel for Your Review and Approval Please.		Under review
21-Mar-23	CCECC/DASU-KKH-01/K4-Tunnel/ RFA/001R	Submission of Revised Method Statement of K4 Tunnel for Your Review and Approval Please.		Under review
22-Mar-23	CCECC/DASU-KKH-01/Access Road/RFDA/236	Submission of Shop Drawings for temporary Facilities on KKH-01	27-Mar-2023	Approved as Noted
22-Mar-23	CCECC/DASU-KKH-01/DOGAH-Tunnel/RFA/001	Submission of Curriculum Vitae of Dogah Tunnel Shotcrete Operator (Nozzle man) for Approval	27-Mar-2023	Approved
30-Mar-23	CCECC/DASU-KKH-01/Barseen Bridge MS/RFA/003R	Submission of Method statement and shop drawings for piling and abutments work of approaching bridges at Barseen Bridge area.		Under review

## B) KKH-02

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

### 1) Major Activities

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

- Excavation works at K31, K28, K34 and K36, K42, K44, & K46 access roads have been completed and Contractor is carrying out the excavation works of main KKH-02 alignment.
- Area for temporary spoil dumps and temporary facilities at Looter has been identified and handed over to the Contractor.
- Contractor will start K48 access road soon.
- Request for removal of houses inside and below the KKH-02 has been forwarded to the Employer.
- Meetings conducted with the Contractor and the Employer to discuss the houses and other issues.

- Geotechnical investigation for tunnels and bridges is in progress.

**2) Major Design Activities**

The following design activities are in progress.

- Checking of Shop drawings for KKH-02.
- Finalization of alignments for the tunnels revised based on site visits.

**C) RAR-01 Team**

**1) Major Activities**

- Joint inspection with RE & Employer to Komila bypass for social issues i.e., local pedestrian & Graves and one house near ROW.
- Joint site visit with Advisor & Chief Engr Wapda to Komila bypass for progress and sliding area.
- Site inspection for B/wall areas at Komila bypass start section, middle section & rip rap protection works.
- Joint site inspection for slope cutting from catch point at Komila bypass.
- Joint site visit to RAR-01 for remaining works i.e., punch list items & Local access at K11+700.
- Letter issued to Contractor regarding environmental inspection dated March 8, 2023.
- Letter issued to Contractor regarding work progress enhancement of Komila bypass dated March 09, 2023.
- Letter issued to Contractor regarding topographic survey of Kaas dumping area dated March 10, 2023
- Engineer's instruction (EI) issued to Contractor regarding shotcrete for slope protection around K1+675 area dated March 22, 2023.
- Engineer's instruction (EI) issued to Contractor regarding ensuring typical detail of construction drawing in hairpen around K1+900 dated March 22, 2023.

**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
05-Mar-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/91	submission of retaining wall shop drawing along with cross section & Elevation view from 1+243.75 to 1+252.36	9/3/2023	Approved as Noted
07-Mar-23	CCECC/DASU-RAR-01/RFDA/57	submission of parapet wall shop drawing from 1)K11+195 to K11+300 (2) K11+320 to K11+337 (3) K11+472 to K11+490	7/3/2023	Returned
24-Mar-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/91R	Resubmission of retaining wall shop drawing along with cross section & Elevation view from 1+243.75 to 1+252.36	25/3/2023	Approved
30-Marc-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/92	submission of work done drawing and BBS for causeway from K0+925.00 to K0+950	30/3/2023	Approved as noted
30-Mar-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/93	submission of work done drawing and BBS for causeway from K0+356.25 to K0+375	30/3/2023	Approved as Noted
30-Mar-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/94	submission of work done drawing and BBS for causeway from K0+175 to K0+193.75	30/3/2023	Approved as noted
30-Mar-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/95	submission of work done drawing and BBS for causeway from K0+175 to K0+193.75	30/3/2023	Approved as noted

**D) RAR-02 Team**

**1) Major Activities**

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

- Checking blasting pattern submitted by the Contractor.
- Meeting and site visit with the Contractor for Kandia working face.



- Checking of Contractor's drawings for cable way at largani.
- Supervision of works for cable way at Largani.
- Checking of Contractor Standing Time records and DPR.
- Reply of the Contractor's letter regarding slow Progress.
- Review of contractor's WPR and MPR.
- Supervision of site activities including Blasting, Excavation and drilling works.
- Conducting of Progress meetings with Contractor and Employer.

## **2) Major Design Activities**

The following design activities are in progress.

- Checking of Shop drawings for cable way and access roads.
- Checking of Contractor's Shop drawing.

### **3.4.4 TL Section**

Major DHC activities undertaken during this month are:

#### **1) Correspondence:**

- Prepared the letter regarding absence of Contractor's key representatives from site.
- Prepared the letter regarding RoW issues at Lower Kohistan and Pallas area.
- Prepared the letter regarding mobilization of Stringing and Erection team at site.
- Prepared the letter regarding shifting of panels and switchgear equipment at Grid Station.
- Prepared the letter regarding revised drawing of access road for Grid Station.
- Prepared the letter regarding Engineer comments on the submission of design documents of the Transmission Line D5 (MW-01 & MW-02).
- Prepared the letter regarding request for replacement of roof treatment concrete tiles with plain cement concrete for Control House building.
- Prepared the letter regarding nomination of representative for checking C2 Power House Neelum Jhelum.
- Prepared the letter regarding delay in the equipment installation at Grid Station.
- Prepared the letter regarding request for the approval of DB manufacturer drawings and components detail of Hostel Cat-2A and Hostel Cat-2B.
- Prepared the letter regarding cancellation of shop drawings for steel cover for drainage pipe and electric cable in project office building.
- Prepared the letter regarding request for sample approval of intercom for residence Cat-2.
- Prepared the letter regarding reply to clarification requested by contractor for construction of security watch towers and sentry posts.
- Prepared the letter regarding Uchar power station earthing system plan.

#### **2) Meetings:**

- Meeting regarding overall progress of TL-01 with Contractor and WAPDA Advisor held on 17<sup>th</sup> March, 2023.
- Weekly Progress Review meeting with Contractor and Employer held on 8<sup>th</sup> March, 2023.

#### **3) Inspections:**

- Inspection of MV Panels in Lahore.
- Inspection of battery and battery charger in Lahore.
- Visited Neelum Jhelum with Dolser expert for checking C2 Power House.

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

The major DHC activities undertaken during this month are:

#### **a) MW-01**

The Engineer issued VO-010 for Downstream RCC coffer dam on 9<sup>th</sup> March 2023.

##### **i. Review of Contractor's Drawings and Method Statement**

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

### Contractor's Drawings

Received Date	Letter Number	Title	Reply Date
2-Mar-23	CGGC/MW-01/RFDA/DHC-511	Dyke Backfill at the Entrance of Adit Tunnel 1-(D1)	24-Mar-2023
2-Mar-23	CGGC/MW-01/RFDA/DHC-510	Design Left Bank Cable Crane Platform Drawing-(D1)	
4-Mar-23	CGGC/MW-01/RFDA/DHC-512	Left Flushing Tunnel Gate Chamber Access Tunnel Excavation and Supporting-(D1)	
14-Mar-23	CGGC/MW-01/RFDA/DHC-513	Reinforcement Drawing of Initial Upstream Starter Dam-(D1)	
14-Mar-23	CGGC/MW-01/RFDA/DHC-514	Flushing Tunnel LB Traffic Diversion Downstream Portal Drain Ditch Concrete Outline-(D1)	
14-Mar-23	CGGC/MW-01/RFDA/DHC-515	Right Bank Diversion Tunnel Type-I Excavation and Support-(D1)	
14-Mar-23	CGGC/MW-01/RFDA/DHC-516	Right Bank Diversion Tunnel Type-I Steel Arch & Frames Details-(D1)	
14-Mar-23	CGGC/MW-01/RFDA/DHC-517	Right Bank Diversion Tunnel Type-I Plan and Profile of Excavation-(D1)	
16-Mar-23	CGGC/MW-01/RFDA/DHC-518	Uchar Temporary Bridge	17-Mar-2023
18-Mar-23	CGGC/MW-01/RFDA/DHC-519	The Typical Section Drawing of First Stage Upstream Starter Dam-(D3)	
23-Mar-23	CGGC/MW-01/RFDA/DHC-520	Cable Trench of Generator Room of Uchar Power Station-(D2)	
24-Mar-23	CGGC/MW-01/RFDA/DHC-521	Drainage System and Pavement of LB Traffic Diversion Tunnel-(D1)	
25-Mar-23	CGGC/MW-01/RFDA/DHC-522	Diversion Tunnel A Invert Concrete Outline-(D2) and Inlet Below EL. 802m Concrete Outline-(D4)	
25-Mar-23	CGGC/MW-01/RFDA/DHC-523	DT-B Invert Outline-(D2) and Inlet Below EL. 802m Outline-(D4) and Shear Zone Outline-(D2)	
25-Mar-23	CGGC/MW-01/RFDA/DHC-525	Design Drawings of Kass Spoil Bank-(D1)	

### Method Statement

Received Date	Letter Number	Title	Reply Date
14-Mar-2023	CGGC/MW01/TD/DHC-2892	Submission of MS of Excavation and Supporting of Right Bank Diversion Tunnel	
2-Mar-2023	CGGC/MW01/TD/DHC-2865	Submission of MS of Excavation and Supporting of Right Bank Abutment (D2)	

## ii. NCR and Engineer's Instruction

### NCR

NCR Issued Date	NCR No.	Title	Remarks
20-Mar-2023	MW-01-NCR-43	Left Bank Traffic Diversion Tunnel Outlet	

### Engineer's Instruction

EI Issued Date	EI No.	Title	Remarks
1-Mar-2023	DHC/Dasu/MW-01/EI/23-008	Left Bank Traffic Diversion Tunnel Downstream	
1-Mar-2023	DHC/Dasu/MW-01/EI/23-009	Left Bank Traffic Diversion Tunnel Upstream	
1-Mar-2023	DHC/Dasu/MW-01/EI/23-010	Right Bank Bypass Tunnel Downstream	
1-Mar-2023	DHC/Dasu/MW-01/EI/23-011	Right Bank Bypass Tunnel Upstream	
2-Mar-2023	DHC/Dasu/MW-01/EI/23-012	Commencement of Construction Works for RCC Batching Plant No.2 in Siglo	
6-Mar-2023	DHC/Dasu/MW-01/EI/23-013	DT.A Outlet Additional Support Area	
8-Mar-2023	DHC/Dasu/MW-01/EI/23-014	Ceremonial Platform in front of Adit 1 in CR2 Area	
14-Mar-2023	DHC/Dasu/MW-01/EI/23-015	Continuing of Non conformities of Support works is D/S of LBTDT	
17-Mar-2023	DHC/Dasu/MW-01/EI/23-016	Potential high voltage electrical cable hazard in Right Bank Upstream of Bypass Diversion Tunnel	
16-Mar-2023	DHC/Dasu/MW-01/EI/23-016	Issues during concrete pouring at DT.A Inlet P1 El. 785.29~790.88m MW01	
17-Mar-2023	DHC/Dasu/MW-01/EI/23-017	Instruction to Construct Uchar Causeway	
18-Mar-2023	DHC/Dasu/MW-01/EI/23-018	Cleaning of debris in Right Bank in front of Siglo Nalluh	
18-Mar-2023	DHC/Dasu/MW-01/EI/23-019	Substandard installation of wiremesh in d/s of LBTDT	

## b) MW-02

### 1) General

- The Contractor was instructed to extend and speed up Insurance Policies before the expiry of existing insurance policies.
- The Contractor was instructed to address the health and safety issues in accordance SOP25 with a timeframe of 10 days and should achieve the necessary purported Improvement.
- The Contractor was requested to provide its submission pursuant to clause 13.3 [Variation Procedure] of the General Condition of the Contract.
- The Employer was requested to inform the "Deputy Commissioner Dasu Upper Kohistan. "to issue NOC for the renewal of temporary storage of Explosive Magazine License located at Kass Dasu Kohistan
- The Engineer issued the revised construction drawings of Tailrace Tunnel No.1 Excavation and Supporting Details.

- The Contractor was instructed to regularly share the explosive record on a fortnightly monthly basis to Deputy Commissioner Office Dasu Kohistan in line with attached format along with copy to the Engineer and the Employer.
- The Engineer issued the revised construction drawings of Transformer/GIS Rock Support above EL.772.50 Details, Anchor Head used for hanging steel roof, Development view the axis 1-10, Development view the axis 10-17, Development view the axis 17-26.

## 2) Review of Contractor's Working Drawings

The Engineer reviewed and replied of the following drawings.

Letter Nos.	Title	EAC No.	Reply Date
CGGC/MW-02/RFDA/DHC-457	Tailrace Tunnel No.1 and No.2 Steel Arch & Frames Details (D1)	EAC-23-015	04-Mar-23
CGGC/MW-02/RFDA/DHC-458	Junction Detail of Surge Chamber Vault Access Tunnel No. 1	EAC-23-016	05-Mar-23
CGGC/MW-02/RFDA/DHC-460	Design Drawing of PS Tendon and Anchor Head for Powerhouse above and Transformer Cavern	EAC-23-017	22-Mar-23
CGGC/MW-02/RFDA/DHC-459	Blasting Design of the First Bench of Manifold Tunnel B Area (1~23/23)	EAC-23-018	25-Mar-23
CGGC/MW-02/RFDA/DHC-464	Blasting Design of First Bench of Tailrace Tunnel Transition (D2)	EAC-23-019	27-Mar-23

## 3) Issued Engineer Instruction

The Engineer issued the following Site Instructions (SIs).

Location	Subject	EI No.	Issue Date
Switchyard Compound	Switchyard Compound Slope Excavation and Scaling Issue 4th Layer Center and Right Side EI: 960~950.0	EI-23-04	06-03-2023
Powerhouse Cavern & Transformer Cavern	Underground Powerhouse & Transformer Cavern Removal of Expired Expansion Agent (Intraplast-Z SIKA) from the Site	EI-23-05	06-03-2023
Tailrace Tunnel #2 from CT2	Tailrace Tunnel #2 from CT-2 Unsafe Practices during drilling for Blast CH: 1+653.5	EI-23-06	06-03-2023
KKH	ROLLED WATER SUPPLY PIPES NARROWING THE KKH ROAD	EI-23-07	08-03-2023
Adit Tunnel CT2	ADIT TUNNEL CT2 CH: 0+394.0~0+448.0 Exposure of Wire mesh and Remedial Shotcrete	EI-23-08	09-03-2023
Tailrace Tunnel	Tailrace tunnels Issuance of revised construction drawings for excavation and supporting details	EI-23-09	11-03-2023
Transformer Cavern	Transformer Cavern Removal of Sub-standard Cement (Bestway Type-III)	EI-23-10	14-03-2023

## 4) Daywork Order in the month of March 2023.

No Daywork order was issued in the month of March,2023

## 5) NCR Issued by Engineer

The Engineer issued the following NCR.

Location	Subject	NCR No.	Issue Date
Switch yard	Execution of Work Does Not Correspond the Issued Construction Drawings of Nullah-1 Drainage Plan and Profile	23-01	13-03-2023

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

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

#### a) LBRV-11

- The Engineer issued letter to the Employer to provide consultation Final Extension of Time for LBRV-12 dated 3<sup>rd</sup> march 2023.
- The Engineer issued letter to the contractor regarding the Recovery of Outstanding Advance Payment dated 6<sup>th</sup> march 2023.
- The Engineer issued Instructions letter to Complete Outstanding Works at Handed over Resettlement Sites dated 25<sup>th</sup> march 2023.

#### b) LBRV-12

- The Engineer issued letter to the contractor regarding the Recovery of Outstanding Advance Payment dated 6<sup>th</sup> march 2023.
- The Engineer issued letter to the Employer regarding the Non-Handed over Resettlement Site Khoshe Site-02 Link-2 dated 11<sup>th</sup> march 2023.
- The Engineer issued letter to the Employer regarding the Feasibility of Water Seeping out Leaking out from K9 Tunnel dated 14<sup>th</sup> march 2023.
- The Engineer issued Instructions letter to Complete Outstanding Works at Handed over Resettlement Sites dated 25<sup>th</sup> march 2023.

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

**c) RV**

- The Engineer issued response letter regarding the Adjustment of Particular BOQ Item Rate Stone Masonry Dressed with Mortar in accordance with GC Clause 37 dated 3<sup>rd</sup> March 2023.
- The Engineer instructed the contractor to submit updated program dated 7<sup>th</sup> March 2023.
- The Engineer issued response letter regarding slow progress at Dasu RVs dt: 14<sup>th</sup> Mar 2023.
- The Engineer instructed the contractor to provide Safety Provisions to all Staff Workers Working at Site dated 15<sup>th</sup> March 2023.
- The Engineer issued response letter regarding Extension of Advance Payment Security Guarantee dated 16<sup>th</sup> March 2023
- The Engineer issued response letter regarding the Slow Progress dated 16<sup>th</sup> March 2023.
- The Engineer issued letter to the contractor regarding the Extension of Advance Payment Security Guarantee dated 17<sup>th</sup> March 2023.
- The Engineer issued response letter regarding V0-006 Chain Link Fence and Safety Railing dated 23<sup>rd</sup> March 2023.
- The Engineer requested the contractor to submit the proposal regarding Varied Works of Pumping Sewage for Project Colony dated 23<sup>rd</sup> March 2023.

**d) Project Colony – PCI-01R**

- The Engineer issued Reminder letter to the contractor regarding Washing of Concrete Transit Mixers in Choochang Nullah dated 1<sup>st</sup> March 2023.
- The Engineer issued response letter to the contractor, s Request for Provision of Wire Mesh (Metal Lath) Before Plaster Work over All Joints Internally & Externally for Remaining Buildings dated 3<sup>rd</sup> March 2023.
- The Engineer issued reminder -2 letter to the contractor for Re-Submission of Monthly EHS Report for the Month of January 2023 dated 6<sup>th</sup> March 2023.
- The Engineer issued instruction letter regarding the Security Watch Tower Buildings dated 6<sup>th</sup> March 2023.
- The Engineer issued letter to the Employer regarding the Submission of Ten (10) Sets of Bidding Documents dated 6<sup>th</sup> March 2023.
- The Engineer informed the contractor regarding the Cancellation of Fiber Glass Shade Provision over Doors at Residence Category-01 & 2 dated 8<sup>th</sup> March 2023.
- The Engineer issued response letter to the Request for Approval of DB Manufacturer Drawings and Components detail of Hostel Cat-2A and Hostel Cat-2B dated 9<sup>th</sup> March 2023
- The Engineer issued Cancellation letter of Shop Drawings for Steel Cover for Drainage Pipe & Electric Cable in Project Office Building dated 11<sup>th</sup> March 2023.
- The Engineer instructed the contractor to submit the Working and Procurement Schedule for the Water Supply Works from the Indus River to Project Colony dated 11<sup>th</sup> March 2023.
- The Engineer instructed the contractor regarding the Safety Provision to all Staff Workers Working at Site dated 15<sup>th</sup> March 2023.
- The Engineer issued Response letter to the Notice for Delay in Issuance of Boundary Wall Construction Drawings dated 15<sup>th</sup> March 2023.
- The Engineer verified the VO-019 of Slope Protection Works at Backside of Hostel Cat-02 2C and 2D at Project Colony dated 16<sup>th</sup> March 2023.
- The Engineer issued reminder letter regarding the Extension of Advance Payment Guarantee dated 16<sup>th</sup> March 2023.
- The Engineer issued response letter regarding the Operation and Maintenance of Basic Health Unit (BHU) dated 17<sup>th</sup> March 2023.
- The Engineer issued response letter regarding the contractual environmental compliance at PCI-01R dated 17<sup>th</sup> March 2023.
- The Engineer response letter regarding the Delay in Mobilization due to Force Majeure under GCCC Clause 19.2 for Uchar Water Supply Works dated 17<sup>th</sup> March 2023.
- The Engineer approved the BASF Master Seal NP 472 Joint Sealant Material for Rigid Pavement dated 18<sup>th</sup> March 2023.
- The Engineer informed the contractor regarding the Withdrawal of Instruction for Cancellation of Fiber Glass Shade Provision over Doors of Residence Category- 01 & 02 dated 18<sup>th</sup> March 2023.
- The Engineer issued response letter regarding the Request for Sample Approval of Intercom for residence Cat-2 dated 18<sup>th</sup> March 2023.

- The Engineer issued Response letter regarding Notice for Delay in Issuance of Clarification of Boundary Wall Design Part-2 and Right of Access to Site dated 19<sup>th</sup> March 2023.
- The Engineer issued letter regarding the Clarification Requested by Contractor for Construction of Security Watch Towers and Sentry Posts dated 21<sup>st</sup> March 2023.
- The Engineer issued response letter regarding the Slow Progress of Ongoing Works dated 23<sup>rd</sup> March 2023.
- The Engineer issued reminder letter regarding the Extension of Advance Payment Guarantee.PCI-01R dated 23<sup>rd</sup> March 2023.

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
25-Feb	CGICOP/DASU/PCI-01R/RFDA/686	Submission of BBS for the P-01 drain top slab and box culvert at crossing S1 S2 S3	13-Mar	Approved
28-Feb	CGICOP/DASU/PCI-01R/RFDA/487	Submission of the bar bending schedule for footing and column main water supply conveyance uchar site 1	2-Mar	Approved
28-Feb	CGICOP/DASU/PCI-01R/RFDA/488	Submission of the bar bending schedule for the lintels for additional doors & aluminium windows	2-Mar	Approved
28-Feb	CGICOP/DASU/PCI-01R/RFDA/600	Submission of the shop drawing for the layout of the S2 Road with the side Drain of the Road finishing layers	21-Mar	Approved Except As Notes
3-Mar	CGICOP/DASU/PCI-01R/RFDA/689	Submission of the shop drawing for the layout of the S3 road along with the side Drain of the road finishing layers	21-Mar	Approved Except As Notes
3-Mar	CGICOP/DASU/PCI-01R/RFDA/605	Submission of the shop Drawing for the layout of the S1 Road Along with the side Drain of the Road finishing layers	21-Mar	Approved Except As Notes
5-Mar	CGICOP/DASU/PCI-01R/RFDA/542-Rev.03	Submission of the shop drawing for the layout of boundary wall at top of the Existing septic tank area near cat 2A	15-Mar	Approved
6-Mar	CGICOP/DASU/PCI-01R/RFDA/690	Submission of the shop drawing for the fiber glass shade over the doors at Res Cat 1 & 2	13-Mar	Approved
7-Mar	CGICOP/DASU/PCI-01R/RFDA/691	Submission of the shop Drawing for the MS Drain top cover for the Rain water Drainage at Back side of the Res Cat 2 Building	25-Mar	Approved
10-Mar	CGICOP/DASU/PCI-01R/RFDA/692	Submission of the shop drawing for the project colony boundary wall Part 7 from Cat 4C to phase 2 area	14-Mar	Approved
15-Mar	CGICOP/DASU/PCI-01R/RFDA/694	Submission of the shop drawing for the typical detail of the wire mesh for the shotcrete	15-Mar	Approved Except As Notes
21-Mar	CGICOP/DASU/PCI-01R/RFDA/695	submission of shop drawing for the project colony boundary wall part 8 at backside of the Hostel cat-2c and 2D	22-Mar	Approved Except As Notes
25-Mar	CGICOP/DASU/PCI-01R/RFDA/696	submission of shop drawing for the project colony boundary wall part 8 at backside of the Hostel cat-2c and 2D	27-Mar	Approved Except As Notes

### 3.4.7 EM-01 – Civil Works

The major activities undertaken during this month were:

#### 1. General

- The Engineer conditionally approved the subject drawings, additionally the Contractor was advised to resubmit the design report for the building no.3.1 and the contractor may start the construction of building no.3.4 and building no.4.3.
- The Engineer issued Construction Drawings of Buildings No.3.1,3.4,5.1,5.2,5.3,5.4, Entrance Gate and Security Post at EM-01 Camp Kass
- The Contractor is directed to rectify the observations and submit the rectified report with supporting evidence of the rectifications before March 15, 2023.

#### 2. Review of Contractor's Working Drawings

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

Location	Subject	Dwg No.	Issue Date
KASS CAMP EM-01	Drawings of Buildings No.3.1,3.4,5.1,5.2,5.3,5.4, Entrance Gate and Security Post at EM-01 Camp Kass	DHC/DASU/GEPC/EM-01/ys/23- 070	Mar,07.2023

#### 3. Issued Engineer Instruction

The Engineer was issued the Site Instructions (SIs).

Location	Subject	SIs No.	Issue Date
Nil	Nil	Nil	Nil

#### 4. NCR Issued by Engineer

The Engineer was not issued the NCR.

Location	Subject	NCR No.	Issue Date
Nil	Nil	Nil	Nil

#### 5. Electro-Mechanical Works

In March, the major topics of the working items are focused on the claim for change of event dates and storage for first shipped equipment and custom clearance issue at Karachi.

### 5.1. Custom clearance issue

Custom clearance of the first shipment for # 3 draft tube along with its embedded materials has been processed and transportation towards Ghazi Barotha Hydropower station for storage is in progress.

### 5.2. Coordination with NTDC on 765kV Transmission Line Protection

The DHC had forwarded Contractor's submission regarding 765kV protection single line diagram of 765kV transmission line and busbar to WAPDA to get NTDC approval/ comments on dated January 24, 2023. The Employer has provided the comments from NTDC which has been forwarded to Contractor. However, the coordination meeting will be arranging with NTDC and Contractor by DHC to finalize the design of 765kV transmission line protection.

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

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

### 5.4. Addition of manufacturers to the agreed schedule T-4

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

However, the Contractor has not submitted the requisite documents for approval despite of reminder.

### 5.5. Corresponding between EM-01 Contractor

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
28-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0058	Follow Up for Income and Sales Taxes Exemption Certificates of 2nd Shipment.	01-Mar-23	
11-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0011	Approval of the Employers Nominee for Dispute Board (DB)-Reminder	01-Mar-23	
21-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0052	Notice of Claim due to Delayed Generation of FI Number by Employer for Goods Declaration of Second Batch of Shipment.	02-Mar-23	
17-Feb-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0048	Clarification on Employers Agreement with Local land Owners-Claim No.C-05.	02-Mar-23	
24-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0056	Request for Indices Used in Other WAPDA Contracts (Warsak & Mangla Refurbishment Projects) for Contract Price Adjustment.	03-Mar-23	
03-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0044	Reminder- Establishment of Dispute Board (DB).	04-Mar-23	
03-Jul-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0064	Clarification on Notice of Claim Due to Delayed Generation of FI Number by Employer for Goods Declaration of Shipment No.2.	04-Mar-23	
24-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0056	Contract Price Adjustment.	06-Mar-23	
17-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0048	Contractors Response on Principle of Claim No.EM-01-C-05- Claim Due to ROW Issue at EM-01 Site Camp Construction.	06-Mar-23	
29-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0479	Addition of Suppliers to Agreed Schedule T-4. (Reminder)	07-Mar-23	
23-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0051	Construction Drawings of Buildings No.3,1,3,4,5,1,5,2,5,3,5,4, Entrance Gate and Security Post at EM-01 Camp Kass.	07-Mar-23	
02-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0435	Request for Incorporate Comments in OHSMP and Resubmit.	02-Mar-23	
10-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0069	Notice of Claim due to Sales Tax Increase from 17 to 18%.	11-Mar-23	
08-Mar-23	Email from Contractor	Request to Release Delivery Order to Shipping Line of 1st Shipment.	12-Mar-23	
28-Sep-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0375	Reminding of Basic Deign Parameters for 765kV Equipment and Shunt Reactor Capacity	15-Mar-23	
20-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0019	Dasu 765kV Protection Single Line Diagram.	15-Mar-23	
13-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0073	Dasu Equipment and Materials Acceptance Sheet.	15-Mar-23	
13-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0075	Temporary Storage Cost at Ghazi Barotha (Interim, as of 13th March 2023).	16-Mar-23	
13-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0076	Delay in Generation of Financial Instrument (FI) Number (Interim as of 13th March 2023)	16-Mar-23	
16-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0081	-Final Goods Declaration of Shipment No. 1 and Request to Release Payment of IPC NO. 2	16-Mar-23	

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
15-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0077	Follow-Up for Payment of IPC No. 02 & Contractor's Notice of Right to Suspend.	16-Mar-23	
15-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0078	Customer Clarification for the Water Pressure of Generator Fire Protection System.	16-Mar-23	
13-Jan-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0017	Project Manager's Response on Principles of Claim No. EM-01 C-06.	18-Mar-23	
03-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0065	Submission of Updated Program of Performance V1.10 (Revised Baseline).	18-Mar-23	
20-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0087	Interim Payment Certificate (IPC) No. 03.	21-Mar-23	
20-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0088	Dasu Generator FE Calculation Report of Stator Frame Upper Bracket, Generator Load on Foundation for Approval.	21-Mar-23	
20-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0086	Contractor's Request Regarding Outstanding WHT and ST Issues.	21-Mar-23	
21-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0092	Formal Application for Permits in Ghazi Barotha Warehouse for 1st Shipment.	22-Mar-23	
01-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0034	Revised 11 kV Single Line Diagram (Rev. C).	22-Mar-23	
24-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0009	Re-Submission the Excitation Cubicle and Excitation Transformer Drawings.	25-Mar-23	
03-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0059	Estimated Budget of Facilities for Police & Security Forces at EM-01 Camp.	29-Mar-23	
15-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0076	Re-Submission Generator Fire-Fighting P&ID and Design Memo.	29-Mar-23	
22-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0050	Employers Witness for FAT on Unit 4 starting.	30-Mar-23	
29-Dec-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0479	Addition of Suppliers to the Agreed Schedule T-4 (Reminder to Contractor).	30-Mar-23	

### 3.4.8 Environment Management Section

#### 1. Overall activities

##### i) Meetings with Contractors

Monthly Environmental progress review meetings with all contractors for month of March were conducted on 30<sup>th</sup> & 31<sup>st</sup> of March 2023. "The Engineer" instructions were discussed in detail and new points regarding non-compliances were added to the Minutes of meeting and WTEIR implementation was also discussed in detail.

##### ii) Meetings with WAPDA

- The Environment Section of DHC attended virtual weekly meeting (dated: 1<sup>st</sup> of March, 2023) between WAPDA, DHC and World Bank regarding safety issues of DHPP with an additional agenda regarding Environment.
- Meeting (Dated: 3<sup>rd</sup> March 2023) with CGGC regarding waste water discharges from the sedimentation tank of Uchar Thoki Stone Crushing Plant. Due to high turbidity of the wastewater it was violating the DHPP Environmental codes of practices and conditions of the KP-EPA NOC. The contractor was instructed to reduce the freshwater addition, connect the sedimentation discharges with settlement tank of the batching plant.
- A meeting was held on 17<sup>th</sup> of March 2023 at WAPDA PMU Hall. Environment section was called upon to participate in the meeting to brief WAPDA Advisor project regarding DHPP traffic management plan. The Advisor project instructed to submit the plan by 31<sup>st</sup> march 2023 after incorporating Basha Dam (DBDP) project logistic data. WAPDA has been requested to provide the data.
- Meeting on 25<sup>th</sup> of March 2023 with D.G (SS&E) WAPDA for discussion on preparation of new sedimentation tanks to decrease the high suspended load in the waste water coming from Uchar Thoki Stone Crushing Plant for MW-01 Component.
- Another meeting and immediate site visit was conducted on 27<sup>th</sup> of March 2023, on the same agenda of preparation of new sedimentation tanks to decrease the high suspended load in the waste water coming from Uchar Thoki Stone Crushing Plant for MW-01 Component. The Contractor proposed a sedimentation tank near the entrance of the crusher plant. The Engineer advised the contractor to construct a sedimentation tank adjacent to the existing one and connect it to the proposed sedimentation tank. The design for the proposal is awaited.

##### iii) Visit to Kuzabanda for Up-gradation of Traffic Management Plan

The Traffic Engineer (joined on 25<sup>th</sup> of Jan, 2023.) along with Sr. Environmentalist on 04<sup>th</sup> & 5<sup>th</sup> of March 2023 visited Kuzabanda Site to re-visit the parking spaces, layby areas, establishment of site offices along route from rest area of Kuzabanda up till Dasu Town as well as explore options like installation of traffic safety markers/signboards, guard railings etc.

**iv) Additional Efforts to address Environmental compliance by DHC: (Joint Inspection of WAPDA, DHC and Contractor Environment Sections)**

Joint visits of different components of DHPP were conducted in the reporting month i.e., on the 1<sup>st</sup> of March 2023 there was a Joint Inspection by DHC and WAPDA for conducting of on-site Acid Treatment Tests by the MW-01 and MW-02 Contractor (CGGC) to lower down the pH values by addition of diluted acid in it (NEQS Limit of Waste water is 6-9).

On the 7<sup>th</sup> of March 2023, there was a visit conducted on MW-01&2, EM-01& RAR-01. Another Visit was conducted on 14<sup>th</sup> of March 2023 on KKH-01, PCI-01R and TL-01. The joint visit of WAPDA and DHC on 21<sup>st</sup> of March 2023 to KKH-02, RAR-02 was cancelled due to prior engagement of WAPDA Staff in some other official matters. On 28<sup>th</sup> of March 2023. There was another joint inspection visit by WAPDA and DHC to MW-01&02 contractor sites. The findings of these inspection visits were share vide Letters as well as walk through inspection report (WTEIR) to the concerned contractors.

**v) Letter/ Minutes/Report sent to contractors and WAPDA**

Sr. No.	Subject	Date
1	DHC/Dasu/WAPDA/MW-01/zic/23-186; MW-01-Submission of Utilization Record of Coarse and Fine Aggregates till Dec 2022	05-03-2023
2	DHC/Dasu/CGICOP/PCI-01R/zic/23-061; Re-Submission of Monthly EHS Report for the Month of January 2023	06-03-2023
3	DHC/Dasu/GEPC/EM-01/zic/23-072EM-01-Joint Site Inspection of WAPDA and DHC	08-03-2023
4	Ref No. DHC/Dasu/CCECC/RAR-01/zic/23-029 RAR-01-Joint Site Inspection of WAPDA and DHC	08-03-2023
5	DHC/Dasu/WAPDA/MW-01/zic/23-192	09-03-2023
6	Minutes of Monthly Environmental Progress Review Meeting RAR-01 held on 3 <sup>rd</sup> March 2023	09-03-2023
7	Minutes of Monthly Environmental Progress Review Meeting KKH-01 held on 3 <sup>rd</sup> March 2023	09-03-2023
8	Minutes of Monthly Environmental Progress Review Meeting KKH-02 held on 2 <sup>nd</sup> March 2023	09-03-2023
9	Minutes of Monthly Environmental Progress Review Meeting TL-01 held on 3 <sup>rd</sup> March 2023	09-03-2023
10	Minutes of Monthly Environmental Progress Review Meeting PCI-01R held on 4 <sup>th</sup> March 2023	09-03-2023
11	Minutes of Monthly Environmental Progress Review Meeting KKH-01 held on 3 <sup>rd</sup> March 2023	09-03-2023
12	Minutes of Monthly Environmental Progress Review Meeting MW-01& MW-02 held on 2 <sup>nd</sup> March 2023	10-03-2023
13	Ref: DHC/Dasu/CCECC/KKH-01/zic/23-085; KKH-01-Construction of Crushing Plant at Chuchang	11-03-2023
14	Ref: DHC/Dasu/WAPDA/MW-01/zic/23-201; MW-01-Walk Through Env. Inspection - Joint Site Inspection of WAPDA and DHC	11-03-2023
15	Ref: DHC/Dasu/WAPDA/MW-02/zic/23-083; MW-02-Walk Through Env. Inspection - Joint Site Inspection of WAPDA and DHC	11-03-2023
16	Ref: DHC/Dasu/CCECC/KKH-01/zic/23-088; Construction of Uchar Batching Plant	13-03-2023
17	NCR No. CGGC/MW -01 /Env/23-02; MW-01-NCR-Disposal of Sludge Near Right Bank of Indus River	15-03-2023
18	Ref: DHC/Dasu/CCECC/KKH-01/zic/23-096; KKH-01-Environmental - Joint Site Inspection of WAPDA and DHC	16-03-2023
19	Ref: DHC/Dasu/ CGGC/MW-01/zic/23-212; MW-01-Environmental Non-Compliance at Starter Dam Site	16-03-2023
20	Ref.: DHC/Dasu/PCCCF/TL-01/zic/23-072; TL-01-Joint Site Inspection of WAPDA and DHC	17-03-2023
21	Ref : DHC/Dasu/CGGC/MW-01/zic/23-217; MW-01-Submission of Detailed Traffic Management Plan	18-03-2023
22	Ref: DHC/Dasu/ CGICOP/PCI-01R/zic/23-074; PCI-01R-Joint Site Inspection of WAPDA and DHC	18-03-2023
23	Ref: DHC/Dasu/ CGGC/MW-01/zic/23-219; MW-01-Design Details of Sedimentation Tanks for Uchar Crushing and Batching Plant	18-03-2023
24	DHC/Dasu/CCECC/KKH-01/zic/23-100; KKH-01-Detail Design of Sedimentation Tank of K-6 Batching Plant	18-03-2023
25	Ref: DHC/Dasu/CCECC/KKH-01/zic/23-107; KKH-01-Washing of Concrete Transit Mixer in Chuchang Nullah	19-03-2023
26	Ref: DHC/Dasu/CGGC/KKH-02/zic/23-066; KKH-02-Submission of Fuel Storage License	19-03-2023
27	Ref: DHC/Dasu/CGGC/MW-01/zic/23-220; MW-01-Engineer Reply on Initiation of Tree Plantation Under the Contract	19-03-2023
28	Ref: DHC/Dasu/CGICOP/PCI-01R/zic/23-080; PCI-01R-Washing of Concrete Transit Mixer in Chuchang Nullah	19-03-2022
29	Ref: DHC/Dasu/CCECC/KKH-01/zic/23-109; KKH-01-Detail Design of Sedimentation Tank of K-9 Tunnel	20-03-2023
30	Ref: DHC/Dasu/CGGC/MW-01/zic/23-222; MW-01-Mitigation Measures for Waste Water From Thoki Crusher Plant	20-03-2023
31	Ref: DHC/Dasu/CCECC/KKH-01/zic/23-112; KKH-01-Approval of Construction Environmental Action Plan (CEAP)	20-03-2023
32	Ref: DHC/Dasu/WAPDA/GEN/zic/23-342; Request for Performance Review of Newly Hired Traffic Engineer at DHPP	25-03-2023
33	Ref: DHC/Dasu/CCECC/KKH-01/zic/23-114; KKH-01-Engineer Reply on ES-PAK Laboratory Environmental Approval	26-03-2023
34	Ref: DHC/Dasu/PCC/TL-01/zic/23-037; TL-01-Reply on Submission of Water Quality Test Report	27-03-2023
35	Ref No: DHC/Dasu/CGGC/MW-01/ zic/23-240; Requirement of Two Sedimentation Tanks As Mitigation Measures For Waste Water From Thoki Crusher Plant	28-03-2023
36	Ref: DHC/Dasu/CGGC/MW-01/zic/23-244; MW-01-Engineer Reply on the Apply for Approval of Environmental Officers	29-03-2023
37	Ref: DHC/Dasu/CGGC/KKH-02/zic/23-082; Submission of Revised Contractor Environmental Action Plan CEAP for KKH-02	29-03-2023
38	Ref: DHC/Dasu/CGICOP/PCI-01R/zic/23-084; PCI-01R-Request for Water Quality Testing at WAPDA Colony Chuchang	29-03-2023

**2. Environmental Supervision for Each Contract Site**

DHC performed environmental supervision during the reporting month of March 2023 to confirm the implementation of environmental management plans for all contract packages.

**2.1. KKH-01 and RAR-01**

- a) **Review:** The Environment Section of DHC reviewed Monthly Progress Reports for KKH-01 & RAR-01 of the month of March, 2023.
- b) **Environmental supervision:** Environmental supervision were conducted for both contracts of CCECC. At KKH-01 the environmental non-compliances like Water sprinkling issue, Oil Spills, washing of concrete mixer trucks in Chuchang waterfall, on site presence of expired cement bags, open entrance in to the underground oil storage, non-availability of clean drinking water at site, waste littering, unhygienic condition in the toilets of K-09 and K-04 Camps and many more were discussed. The observations were sent to the contractor through walkthrough environmental inspection report (WTEIR) and letters for rectification of compliances.



- c) **Monthly meetings:** The monthly environmental progress review meeting for March was conducted on 30<sup>th</sup> of March 2023. All issues relating to Environmental Compliances identified in WTEIR's were discussed in the monthly meeting. Major points were Oil, Spills, Permanently closing of underground fuel storage, housekeeping, removal of scrap and expired cement bags from the sites, Fugitive Dust Emission, Provision of Portable Toilets at K4, K-09, and Dugah Tunnel, K-04 and K-09 In-adequate welfare facilities in the Pakistani staff/labor camp, waste littering, washing of concrete mixer trucks in natural water body.

## 2.2. KKH-02 and RAR-02

- a) **Environmental supervision:** The construction supervision continued during the reporting month. Environmental observations noted during these visits were sent to the contractor in Walkthrough environmental inspection reports (WTEIR). The main issues identified at KKH-02 were Hiring of dedicated Environmental Manager, minor oil spill, improper spoil disposal, inadequate housekeeping and littering at the construction site. The main issues identified on the RAR-02 contractor site were disposal of excavated material on the slopes, hiring of dedicated Environment Manager, Minor Oil Spills, and Wood Burning by Local Labor of the RAR-02, Waste Littering and Haulage of Spoil from working face to spoil disposal sites & Provision of clean drinking water & portable toilets at actual working site.
- b) **NCR:** No NCR was raised during the reporting Month of March 2023 by Environment Section for KKH-02 or RAR-02. However, the work on KKH-02 was suspended due to safety issues specifically for the K-54 and K-48 site.
- c) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 30<sup>th</sup> and 31<sup>st</sup> of March 2023. All issues relating to previous month's agreed actions as well as environmental non-compliances identified WTEIR's were discussed in the monthly meeting.

## 2.3. TL-01/EM-01

- a) **Environmental supervision:** The construction work is still limited to grid station only. Regular site inspections were conducted to the site. The inspection of newly established camp for EM-01 was satisfactory except some improvements were discussed in details. Fugitive Dust was a major issue on the Chuchang to Grid Station Road as well as on the approach road of the grid. Additionally provision of clean drinking water and Portable toilet was also highlighted to the contractor which was then rectified by the contractor.
- b) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 31<sup>st</sup> of March, 2023. All issues relating to previous months agreed actions as well as environmental non-compliances identified through WTEIR's were discussed in the monthly meeting.

## 2.4. MW-01 and MW-02

**Environmental Supervision:** Daily supervisions were conducted to ensure environmental compliance. Walkthrough environmental inspection reports (WTEIR) were shared with the contractor to rectify the non-compliances observed during the site visits. The non-compliances identified and reported to the contractor for rectification were littering, Oil spill, dust, inadequate housekeeping and high pH of Waste water and the sedimentation tanks besides the A3 Tunnel, A1 Tunnel were having sludge and froth in them. Walkthrough environmental inspection reports have been sent to the contractor for rectification of non-compliance and reporting back.

- a) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 30<sup>th</sup> of March 2023. All issues relating to previous months agreed actions as well as environmental non-compliances identified through WTEIR's were discussed in the monthly meeting.
- b) **Monthly Spot Monitoring:** The supervision of the monthly spot monitoring for environmental compliance at MW-01 and MW-02 was conducted on 30<sup>th</sup> of March 2023. All agreed parameters of wastewater were checked against NEQS limits in a monthly spot monitoring conducted on 19<sup>th</sup> of March 2023. Uchar crush plant's sedimentation pond had high level of turbidity as well as pH of 10.2 both are beyond NEQS. The CR-02 Batching

Plant sedimentation pond pH Level was 11.2. At CR-09 (MW-02). Batching plant sedimentation pond was 11.4, and outlet of CT-02 was having pH level of 11.4. The Adit-1 (near CR-02) sedimentation tank and the CR-09 MAT sedimentation pond spot monitoring was not monitored due to presence of high level of sludge, sand and silt. The pH values of surface water taken from River Indus i.e., Up stream of Uchar crush plant and downstream of CT-02 Tunnel was 8.4 and 8.4 respectively.

The aforementioned values are high other than the river water samples as per NEQS which is 6-9. The contractor was given instructions on the AFI to add fresh water or introduce mild concentration acid to their sedimentation ponds to keep the pH value within NEQS.

- c) **NCR:** One NCR has been issued on MW-01 contractor for dumping of sludge on the right bank side near the Diversion Tunnel-C.

Sr. No	Title of NCR	Date
01	NCR No. CGGC/MW -01 /Env/23-02; Dumping of Sludge material on the right bank of the Indus river near coffer dam area and Diversion Tunnel-C.	15-03-2023

## 2.5. PCI-01R

- a) **Environmental supervision:** Environmental supervisions were carried out during the month and environmental observations were noted which were sent to the contractor through walkthrough environmental inspection reports. Non-compliances regarding use of wood as fuel in the labor camp, Drainage of waste water from the labor camp, minor oil spills at the fuel storage area solid waste littering, cleaning of toilets and sewage coming from the labor/ staff camps, and inadequate housekeeping issues were discussed with the contractor.
- b) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 30<sup>th</sup> of March 2023 to discuss the status of progress for pending environmental issues. Minutes of meeting were prepared and shared with all stakeholders. The contractor was instructed to pursue the license for fuel storage at site from chief inspector of explosives as NCR is already issued. The contractor was further instructed to look into the welfare facilities of the labor camp as there are no hot water availability in existing toilets, cleaning of toilets, sewage pipe of these toilets is now installed.

## 3.4.9 OHS Management Section

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

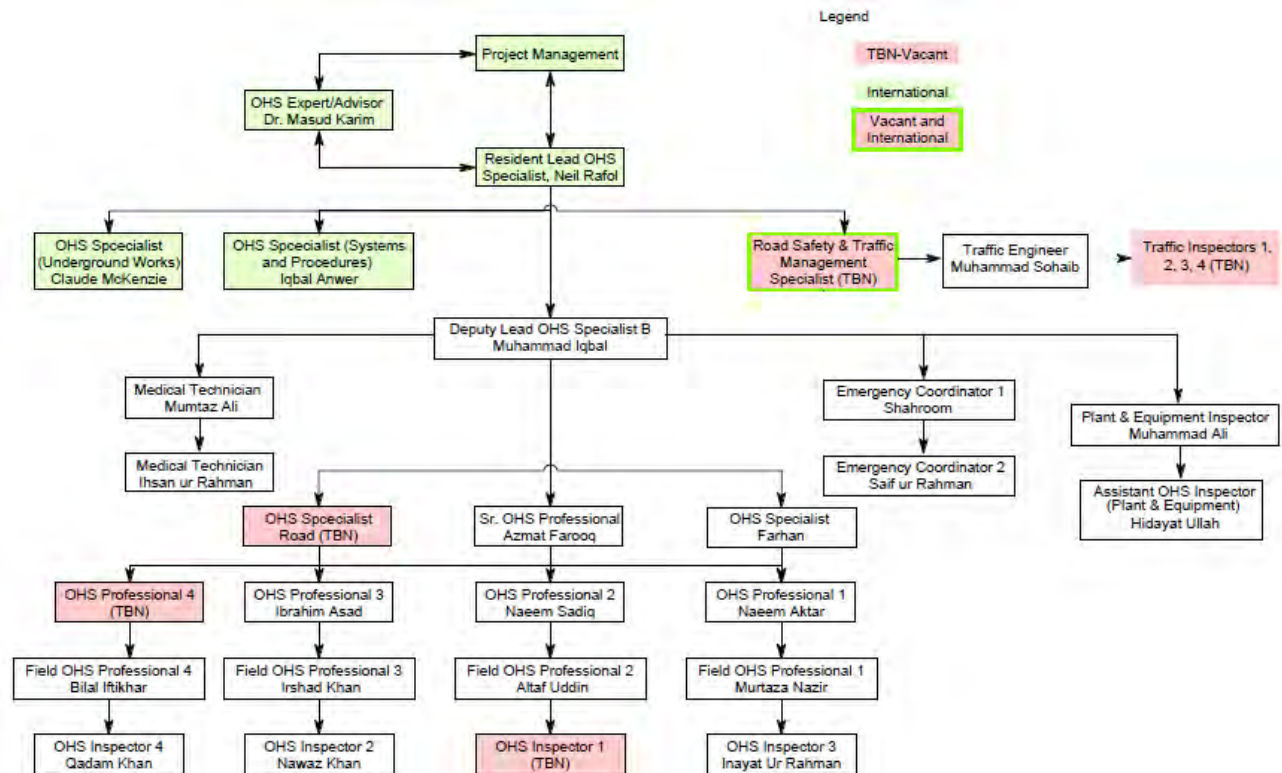
1. Supervise Contractors for effective compliance of the OHSMPs which are built on additional provisions of OHS in the EMAP;
2. Enhanced OHS supervision of all Contractors for OHSMP implementation;
3. Implementation of gap analysis tool for underground works;
4. Finalization of Project Level Emergency Response and Preparedness Plan;
5. Additional tasks to provide support advise to the OHS management related to the Resident Engineers and site personnel; and
6. Plan and conduct trainings related to OHS for PMU, Contractors, and the Engineer's personnel.

The field OHS staffing of DHC in this month are twenty (20) supported by one International OHS Advisor/Expert. Two medical technicians joined DHC during the reporting month. One traffic Engineer joined DHC in January 2023 and is currently working with Environment Section of DHC. The following field staffs were available with OHS section during this reporting month:

1. One Foreign Resident OHS Specialist;
2. One Deputy Lead OHS
3. Two OHS Specialist;
4. Three OHS Professionals;
5. Four Field OHS Professionals;
6. Three Field Inspectors;

7. One Plant & Equipment Inspector;
8. One Plant & Equipment Assistant Inspector;
9. Two Emergency Response Coordinators; and
10. Two Medical Technicians

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



**Figure: OHS organization diagram**

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

### 3.4.10 Social & Resettlement Management Section

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

Work on SRMP implementation continued during the reporting month (March 2023). 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 (257 acres). 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.
- ii. 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 4,782 acres of land has been awarded / acquired until March 2023. Only one acre land was acquired during the reporting month (March 2023).

- iii. Land acquisition formalities for the remaining land is under process. GIS Verification based on revenue record of all the components has been completed, and signing of sellers (PAPs) on registration deed remained in progress. Though the GIS Verification of Gayal and Shatial has been completed, however the community still have some reservations and a Commission was formed by the Deputy Commissioner to visit the area along with Revenue and GIS staff to resolve the issues amicably. The Revenue and GIS Team along with Assistant Commissioner (Revenue) visited the Shatial area for verification of acquired land and structures and prepared a comprehensive report during the reporting month.
- iv. The WAPDA Management Team (GM/PD, DG-SS, and Director S&R) followed up and discussed land acquisition progress in detail with the Deputy Commissioner and Land Acquisition Collector.
- v. LA & GIS Teams worked to prepare all required documents and verified revenue records and cost assessments of on-going components. The team digitized received revenue record, helped revenue team in record rectification, and submitted the rectified record to GIS team for verification.
- vi. No new or rectified revenue records was received for GIS verification during the reporting month as the GIS Verification of almost all the components have been completed. GIS Team remained engage in the reverification of Shatial components and replying the applications of the AHHs regarding their reservations about GIS verification. The team also remain involve in preparing the explanation notes and organizing GIS data for court cases – number of court cases regarding GIS are being dealt by the GIS Team.
- vii. The LA Team also verified cost assessments of one component 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, cheques were prepared. By March 2023, a total amount of PKR 19.52 billion has been paid as compensation money to 7,962 PAPs through 11,777 cheques During March 2023, an amount of PKR 76,391,734/- was paid as compensation payment to 38 PAPs of 12 components. A total of 47 cheques were issued by DC office during the reporting month
- ix. The payment of land leasing of Kass area remained in progress. An amount of Rs. 548,268,836/- has been paid to 256 Beneficiaries of various Kass Areas by the end of reporting month (March 2023). No cheque was paid during March 2023. The remaining 17 % area of Kass was process for compulsory acquisition as it could not be took over on lease due to title disputes.
- x. During the reporting month, No new Section-4 or corrigendum of Section-4 were prepared and submitted.

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

- i. 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.
- ii. S&R Teams mainly remained engage in preparing and payment of Enhanced Self-Managed Relocation (ESMR) Package. By the end of March 2023, an amount of Rs. 4,315.05 Million were paid to 1,234 Affected Households for ESMR package.
- iii. By the end of March 2023, a total of 1831 cases of Phase-1 & Phase-II have been processed, out of which 1259 approved, 464 rejected, 55 subjudice and remaining (53) were under process to be reviewed in joint sessions.
- iv. Relocation of houses from eight priority villages remained in progress, however the case of Siglo is critical. The Task Force Committee remain engaged to conduct consultations with the AHHs who have received ESMR payments and all other allowances in in the priority-1 and 2 villages for their early relocation and demolishing of their structures for handing over the area to the contractor. So far 835 structures has been demolished and the AHHs relocated to other places.
- v. The District administration conducted a series of Jirgas for the relocation of AHHs of Siglo, who are demanding ESMR Package for all their houses including the rejected cases. So

far 263 out of 270 approved cases of Siglo have been paid while Joint Committee Meetings held during the reporting month to review the rejected cases of Siglo. Out of the total paid cases of Siglo, 221 AHHs has relocated to other places after demolishing their structures.

- vi. The S&R teams also kept engage in revising the files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC).
  - vii. A series of meetings were conducted with the Deputy Commissioner (Kohistan Upper) during the reporting month regarding the progress of ESMR files preparation and payments.
  - viii. 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.
  - ix. The team also remained involved in preparing TRP files and assist WAPDA to pay TRP to the AHHs. By the end of March 2023, a total amount of PKR 101,593,447/- paid as TRP to 210 RVs (PKR 90,738,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. An amount of PKR 10,350,000/- was paid for to 58 affected HHs from 04 resettlement components during March 2023. In addition to HHs, PKR 3,926,220/- were paid to the owners of 43 commercial structures of Khushi, Sigloo, Tailrace Kuz Chuchang, and Barseen Area.
  - x. The Public Consultation Team assisted R&R team and LADP teams in community consultations regarding resettlement sites (Khushi 1&2, Nasirabad 1&2, and Dhaat 1), LADP schemes, and resolved day-to-day social issues.
  - xi. ILRP Team, so far, has completed 13 reports on 39 components and submitted to WAPDA, while the survey of village Seer Gayal is in progress. The report is not prepared as the revenue survey of one component in Seer Gayal village has is recently completed. However, ILRP is no more under the scope of DHC and has awarded to the new Consultants (NESPAK) along with the implementation of Local Area Development Program (LADP). The consultants have taken over ILRP and have prepared revised plans and methodology. The component will further be reported by the new Consultants from the next month and the section will be deleted from DHC Report.
  - xii. 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.
  - xiii. Similarly, the implementation of LADP has now been assigned to the new consultants (NESPAK Consultants). The contract has been commenced and a team of consultants has arrived in Dasu and started their work. The Team of NESPAK Consultants is directly reporting to the Employer and the World Bank. In this regard, a number of meetings were held with the Director General Social Safeguard and the World Bank during the reporting month. The consultants had prepared their work plan and shared with the Employer. The team will start preparing the monthly progress report soon and report directly to the Employer and the World Bank.
- 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. Likewise, the Public Health Implementation Plan has also been included in the scope of new LADP Consultants (NESPAK) . A couple of meetings of WAPDA S&R Team including Assistant Director Public Health with the representatives of new consultants regarding the new arrangements were held during the month. The activities under this component are being supervised by the Director General Social Safeguards in assistance with Director S&R and Assistant Director Gender and community Health (WAPDA).From now onward the NESPAK Consultants will report the monthly progress of this component and the section will be deleted from DHC Report.
  - ii. Contract for the identified teacher has been approved by WAPDA Office as per their standard procedures. Community has made all necessary arrangements including neat and clean room etc.

- iii. Purchase of the approved items for Vocational Training Center at Kuz Chuchang have been completed. The course was start in the first week of March 2023.
  - iv. Gender Awareness and sensitization 'Participants hand Book' in Urdu reviewed and is now at final stages.
  - v. Gender Sensitive communication messages for girls' education promotion was reviewed during the reporting month.
  - vi. The proposal for LHV course was further developed and discussed with DG-SS and till now, a total of 15 more candidates in addition to 17 last month have been identified and their documents are collected, The MOU was prepared and draft shared with PHSA.
  - vii. 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.
  - viii. Distribution of already published information material continued among the affected communities in the project area.
  - ix. The IGRC team updated the GRC status for the month and carried out meetings for resolving the pending complaints,
  - x. The IMM team organized workforce data received from all contractors and other stakeholders. A total 6,197 workers were recorded working with the contractor and other organizations under DHPP by the end of reporting period.
- 4. Monitoring & Evaluation (M&E) and MIS Development Teams** performed the following tasks
- i. M&E Team also supported LA and R&R Teams in monitoring of compensation payments (in DC Office) and TRP allowances disbursement (in WAPDA).
  - ii. The M&E team organized compensation payment and TRP data and prepared updated status. The team also remained involve to keep record of Kass Land Leasing which remained in progress during the reporting month.
  - iii. The M&E team also supported MIS team in the development and upgradation of on-going modules for finalizing input and output formats. The team mainly worked on SMR sub-module for developing input and output formats.
  - iv. The MIS Team mainly worked on the development of “SMR Module” and “Upgradation of the Web Portal”. About 87 % of MIS Development work has been completed by March 2023. The team remained engaged in developing OHS Module. A couple of meetings were also held with OHS Team to finalize the input modules.

#### **3.4.11 Others**

##### **a) Planning & Work Sequence Monitoring Section**

- i. The Project Colony Contractor (CGICOP) submitted the 2nd Extension of Time (EOT-2) with 26 no. of delay events. The Engineer performed a preliminary assessment of the submission and requested the Contractor to submit a revised baseline schedule in accordance with EOT-1 for evaluation of EOT-2. The Contractor submitted a soft copy of the schedules; however, the Engineer re-requested the revised programme in accordance with EOT-01, which should be consistent with the Approved Contract Programme (Baseline Schedule).
- ii. A meeting was held between the Engineer and the CGICOP Contractor on February 13, 2023, wherein the Contractor agreed to provide a revised schedule, an As-built schedule and submit the revised EOT-2 for the Engineer's review. PCI-01R Contractor emailed his revised schedule but it was not in compliance with the Contract Programme. The Contractor did not provide an as-built schedule; therefore, the Engineer is preparing the impacted programme and will examine the analysis for the assessment report.
- iii. A meeting was held at WAPDA on March3, 2023, with the presence of relevant DHC officials on the status of the Colony and Resettlement Contracts.
- iv. The Engineer has reviewed the updated schedule R4D13 of MW-01 contract and shared comments with the Contractor CGGC.
- v. The Engineer is reviewing the history of the works and preparing a delay analysis for the prolongation cost claim of Contract MW-01 based on the EOTs granted.

- vi. The Engineer is reviewing the history of the works and preparing a delay analysis for the prolongation cost claim of Contract MW-02 based on the EOTs granted.
- vii. The Engineer has reviewed the Contractor's (CGGC) R5D12 updated schedule for MW-02 and comments are in the finalization stage.
- viii. Reviewed the Contractor's Baseline Schedule for Contract RAR-02 and prepared comments. However, the Engineer held meetings with the Contractor on March 11 and 22, 2023, to set the schedule.
- ix. The Contractor (Zhongmei) submitted his revised interim EOT-2 claims of LBRV-11 and LBRV-12 contracts. The Delay events have been analyzed by the Engineer. An assessment/recommendation report is under progress.
- x. The Contractor's revised schedule for Contract KKH-01 is being reviewed by the Engineer.
- xi. The Project Manager has assessed the EM-01 Contractor's programme of performance and comments have been shared with the Contractor.
- xii. Assisted the preparation of revised PC-1 and updated the data for the traffic management plan.
- xiii. Preparation and submission of various periodical reports, letters and updates.

**b) Laboratory and Quality Assurance Section**

- i. **QA/QC-related correspondences:** The correspondences from all Dasu Contractors and WAPDA are being reviewed and responded. The issued AFIs (Availability for Inspection) by the Contractors are being performed and, when required, controlled and commented on; letters are being prepared and sent to the Contractors related to the QA/QC issues observed at the Site. Inter-section meetings have been regularly held with other parts of DHC regarding Technical Specifications to clarify some design parameters and make a primary platform for QA/QC test methods and frequencies. The Evaluation report of natural pozzolan source 1 is finalized. During the meeting with WAPDA advisor, a presentation related to RCC mix design studies have been carried out in this month. A QA/QC meeting has been held at new KASS camp area with Main Works Contractor.
- ii. **Approval of the material sources and manufacturers:** The submitted documents and certificates of sources proposed by the Contractors are being reviewed and commented on. In the scope of MW-01&MW-02, for the proposed Natural Pozzolan Source 1, the supplementary optional tests are under testing at the Third-Party laboratory for completing the evaluation of the source. A series of laboratory equipment proposed by the CCECC Contractor supplied/manufactured by "**Kadeer Brothers Limited**" have been approved in the scope of KKH-01 work. Visits have been carried out from K9, K4 and Kaigah rock quarry sites with the presence of geologists. The objective was to assess the type of existing rocks subject to Alkali Silica Reactivity issue in the scope of KKH-01 work. With considering the Third-Party laboratories Chemical and Physical test results, the Fauji cement factory evaluation are being performed. Two already approved source of "**Marflex Building Material**" and "**Alif Industry**" Manufacturers of tunnel material and HDPE pipes have been confirmed in the scope of KKH-01 work. Semi-circular pipe is approved in the scope of KKH-01 work.
- iii. **Smart Quality Control Database (Test Results):** The database is regularly being prepared, including aggregates, cement, admixtures, reinforcement, Concrete, Mortar, Shotcrete, Grout, and etc. is also in progress. Any unusual trend of material and products properties are being monitored; in case of non-conformance, required instruction are being instructed to the Contractors. The database of third-party laboratory test results are being recorded. Gathering and evaluating data regarding CR2 and CR9 Batching Plants printouts and Daily summaries are regularly being performed. The daily report of all activities in the Barseen Laboratory is being recorded. The UCHAR Temporary Crushing Plant's daily production active time is also being monitored (MW-01&MW-02). Evaluating the main works database for all material was performed during March month. In the scope of RAR-01 and KKH-01 works, the CCECC Contractor updating their soft-form database at the ZAL camp laboratory office. The Contractor is empowering the QA/QC section. A new integrated database of all petrographic and Alkali Silica Reactivity test results has been prepared in the scope of Main Works from the beginning of the projects.

- iv. Sampling and Testing of Fresh Construction Products:** Determining the compressive strengths, workability, and density of the produced concrete, shotcrete, grouts, and mortar mixes, sampling, and testing are regularly ongoing, as per the Technical Specifications for Dasu Projects. Regarding the New UCHAR Crushing Plant (Number #1), the civil works is completed and the Contractor is trying to adjust the productions according to the Technical Specifications of the project. Recently due to the shortage of fine material at the Main Works site, the fine and coarse material tests are regularly being performed. The UCHAR Batching Plant construction phase is almost completed. The ice factory and chilled water parts installation are ongoing. The performance tests of fresh concrete production of this new batching plant has been performed and waiting strength test results. The calibration of all load cells also is completed during this month.
- v. Field Tests:** In the scope of KKH-01 and RAR-01 (bypass part) rock bolt, regular-based pull out and field density of backfilling and filling tests are being performed. The field performance trials of the proposed Concrete Classes and Shotcrete are being tested at the site in the scope of Main Works and KKH-01 projects. The aggregate production rate measurement of UCHAR crushing plant (Number #1) will be carried out after fully operation of the facility. The field density test to evaluate the compaction of the executed random rock fills in the Starter Dam body is regularly being performed, in the scope of MW-01 work.
- vi. Follow-up, Review, and Evaluation:** The monitoring and evaluation of test results according to technical specifications is in progress the scope of the Dasu projects. Petrographic analysis and Alkali-Silica Reactivity test results are regularly being evaluated for MW-01, MW-02, and KKH-01 works. The Third-party laboratory petrographic analysis and ASR accelerated test results of Kaigah quarry, underground excavations and some local rock samples have been evaluated during this month. The petrographic analysis and the latest test results of the proposed natural pozzolan performance (182 days) are also being evaluated. The monthly third-party laboratories test results for different material are being evaluated in the scope of Main Works. The evaluation Third-Party laboratory test results of deformed rebar of PAK Steel has been implemented in the scope of KKH-01 Work. The local DHC inspectors are being trained by the senior Engineers to systematically follow up and control the production (Concrete, Shotcrete, and Mortar) quality at the batching plants. The Contractors including CGGC and CCECC should hire well-experienced laboratory technicians and Engineers to improve quality control and decrease the variations at the site and laboratory. A test plan for short and long term properties of utilized material has been provided in the scope of MW-01, MW-02 and KKH-01 works.
- vii. Consigned Material and 3<sup>rd</sup> party laboratory tests:** Routine Quality Control Tests on the consigned cement, reinforcement steel bars, wire mesh, and other steel materials, and admixtures are ongoing at the Site Laboratories and 3<sup>rd</sup> party laboratories. The test results have been reviewed and evaluated, and accordingly, relevant actions have been taken. In the scope of MW-01&MW-02 works, water, Cement, Rebar, Rock Bolts, Rock Bolts Components, Admixtures, wire mesh, Water stop samples have been taken and submitted to the 3<sup>rd</sup> party laboratories. In the scope of the KKH-01 project, samples from different project materials have been taken submitted to the 3<sup>rd</sup> party laboratories. In the scope of MW-01, a list of RCC special tests has been issued by the Engineer and searching to find Third-Party laboratories that could perform the tests according to the required test method are being performed. Regarding this activity the Engineer got close help from WAPDA Engineers. A letter are being prepared to the Contractor regarding the ability of CMTL third-party laboratory to perform harden RCC special tests. For final approval of the RCC mix designs, performing of these tests are essential. Through each sample delivery plan, the engineer always tries to maintain close technical communication with the third party laboratories regarding the required standard test methods according to the Dasu project specifications. The evaluation of Third-Party laboratory test results and their reported interpretations are regularly being performed by the Engineer.
- viii. RCC Mix Design:** Second Stage RCC Mix Trial Program recommended by Dr. Dunstan has been performed with different cement Fauji OPC and Natural Pozzolan source 1



contents. The long-term test results (365 days) were completed in May 2022. The MW-01 Contractor has recently performed alkali reactivity tests on blended cement (Cement and natural pozzolan) that have been used in mentioned mix trials as per Technical Specifications. The Engineer received the 3<sup>rd</sup> party laboratory test results; The Contractor is also requested to repeat the nominated mix proportions at the Barseen laboratory to confirm the performed tests, especially to verify the performance of the utilized water retarder/reducer. Other tests like Permeability (from the mass and inter-layer joint parts), Poisson ratio, Module Elasticity, Tensile Strength, Shear Strength, Creep, Volume Change, and Dynamic and Thermal Properties should be performed on hardened concrete samples. The limits for mentioned parameters has been declared to the Contractor through a formal letter by the Engineer. The method statement of RCC Field Trail Placement (FTP) has been reviewed by the Engineer and the respective reply letter submitted to the main works Contractor.

The Engineer declared the chosen mix proportions for the final cementitious material content based on long-term laboratory test results. Regarding the cementitious range of the RCC mixes, the Contractor believes the 365 days specified compressive strength should be considered according to the Contract. Based on Dr. Dunstan's experiments in Lahore Mix Design Program, the Engineer requested the Contractor to consider the option of 1000 days of age for the Compressive strength of RCC different classes to optimize the cement content and reduce the heat generations more during the construction phase. The Contractor will continue with 365 days design age. After receiving the 1000 days of second stage mix trial test results, decision will be made to adjusting the mix design proportions. For execution of FTP the completion of permanent RCC Crushing Plant (No#02) is necessary. The Civil works activities of the handed over area to the Contractor have been started during February month.

As mentioned above, a RCC Mix Design studies report has been completed in this month.

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

The specification of grout mix design including the rate of compressive strength has been evaluated for KKH-01 project. In the scope of the MW-01&MW-02 works, Pozzolanic CVC mix trials are ongoing for different classes of concretes and shotcretes. Field trials of shotcrete Pozzolanic mix designs have been performed during this month. In KKH-01 works, an inter-laboratory (between CGGC BARSEEN Laboratory and CCECC ZAL laboratory) performance study has been implemented during this month. The field trial of RCCP mix design are being performed by the CCECC Contractor for the access road to the project Colony area.

- x. Monthly Laboratory Monitoring and other facilities:** Maintenance and Operational condition of the Contractor's laboratories have been regularly performed. Materials, sewage system, calibration testing, power supply, air conditioning, etc. In the scope of the KKH-01 works, the CCECC contractor mobilized to ZAL camp laboratory with afresh purchased apparatuses. A new Universal Testing Machine has been evaluated and approved in the scope of KKH-01 work. The approval process of other equipment are ongoing. As above-mentioned, some apparatuses have been approved to equip the ZAL camp laboratory in the scope of KKH-01 work.

**c) Survey Section**

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

**i. Dasu-RAR-01: Survey Supervision Activities**

- **Joint Survey of Retaining wall foundation at:**  
KOMILA bypass km 0+908 to 0+939  
KOMILA bypass Km 1+004 to 1+034.31  
KOMILA bypass Km 1+106 to 1+137.8  
KOMILA bypass Km 1+289 .25 to 1+3299.75  
KOMILA bypass Km 1+306 .25 to 1+318.75
- **Joint Survey of Breast wall foundation at:**  
KOMILA Bypass Km 0+143to K0+162.50

KOMILA bypass Km 0+163.752 to 0+173.12  
KOMILA bypass Km 0+173.50 to 0+179.75  
KOMILA bypass Km 0+281.75 to 0+343.75  
KOMILA Bypass Km 0+425 to K0+437.50  
KOMILA Bypass Km 0+456 to K0+462  
KOMILA Bypass Km 0+490 to K0+500  
KOMILA bypass Km 0+681 to 0+731.25  
KOMILA bypass Km 0+775 to 0+887.25

- **Joint Survey of Causeway cut off wall (R side) at:**

KOMILA bypass Km 0+356 to 0+375  
KOMILA bypass Km 0+925 to 0+ 950  
KOMILA bypass Km 0+925 to 0+950  
KOMILA bypass Km 0+175 to 0+193.75

- **Joint Survey of Causeway cut off wall (L/ side) at:**

KOMILA bypass Km 0+175 to 0+193.75

- **Joint Survey of Removal of land slide material at:**

KOMILA bypass Km 0+112 (Around)  
KOMILA bypass Km 7+531.25 to 7+568.75

- **Joint Survey for Road excavation at:**

KOMILA bypass Km 1+562 to 1+700  
KOMILA bypass Km 1+700 to 1+875

- **Joint Survey for Sub Grade level at:**

KOMILA bypass Km 1+700 to 1+875

- **Joint Survey of NSL at:**

KOMILA bypass Km 2+387 around

- **Joint Survey of Removal land slide material at:**

KOMILA bypass Km 0+205 to 0+290

- **Joint Survey of Dumping Area at:**

KOMILA Bypass Km 2+650 (Around)

**ii. RAR 02: Survey Supervision Activities:**

- Joint Survey for shallow-hole & split blasting of access road to RAR-02 at RD 0+160 to RD 0+170 Left side from KANDIA Bridge
- Joint Survey for shallow-hole & split blasting of main road RAR-02 Km 36+390 to Km 36+400 right side from KANDIA bridge
- Joint Survey for boulders measurement at RAR-02 Km 33+130 to Km 33+170 right side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+400 to Km13+410
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km13+660 to Km 13+670
- Joint Survey for removal of loose materials at RAR-02 Km 37+700 to Km 37+850
- Joint demarcation of ROW (limit ) at RAR-02 Km 36+390 to Km 36+430
- Joint demarcation of access road to RAR-02 RD 20+590 Right bank DOGAH
- Joint Survey for boulders measurement at RAR-02 Km 33+160 to Km 33+300 Right side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+680 to Km 13+690
- Joint Survey for shallow-hole and split blasting of access road at RAR-02 RD 0+150 to RD 0+165 Left side from KANDIA Bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+365 to Km 13+375
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+690 to Km 13+700
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+675 to Km 13+685
- Joint Survey for shallow-hole and split blasting of main road at RAR-02 Km 36+400 to Km36+410 right side from KANDIA Bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 Km 34+430 to Km 34+460 Right side from KANDIA bridge
- Joint Survey for boulders measurement at RAR-02 Km 33+120 to Km 33+150 Right side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+385 to Km 13+400
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km36+375 to Km36+385 Right side from KANDIA bridge

- Joint Survey for boulders measurement at RAR-02 Km 34+550 to Km 34+570 Right side from KANDIA bridge
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+367 to Km 13+385
- Joint Survey for measurement of excavation quantity (IPC) of RAR-02 KANDIA main road at Km 33+180 to Km 33+400
- Joint Survey for measurement of excavation quantity (IPC) of RAR-02 KANDIA main road at Km 34+560 to Km 34+850
- Joint Survey for measurement of excavation quantity (IPC) of RAR-02 KANDIA main road at Km 34+560 to Km 34+850
- Joint Survey for shallow-hole and split blasting at Temporary access road RAR-02 DOGAH Right Bank at RD 0+410 to 0+480
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+375 to Km 13+385
- Data collection of over cutting area at RAR-02 KANDIA NULLAH Km 36+200 to Km 36+300
- Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+365 to Km 13+375
- Joint Survey for embankment at RAR-02 main road Km 13+250 to Km 13+370
- Joint Survey for shallow-hole and split blasting at RAR-02 Km 36+380 to Km 36+390 Right side from KANDIA bridge

**iii. Dasu-KKH-01: Survey Supervision Activities**

- **Joint survey of Excavation work and Support work at:**  
Km -9 tunnel 9+383 to 9+449
- **Joint Work done survey after back filling at:**  
UCHAR Camp
- **Joint Work done survey at:**  
UCHAR Access Road.
- **Joint Work done Survey at:**  
KHUSHI Access Road.
- **Joint survey of Property work Camp Fabrication Yard and Features at:**  
K-4 Camp
- **Joint survey of Property Camp Fabrication Yard and Features at:**  
K-5 Crush Plant
- **Joint survey of Property work Camp Fabrication Yard and Features at:**  
K-9 Camp
- **Joint survey for Retaining wall foundation at:**  
KM 0+796 to 0+815 KHUSHU Access  
Km 1+053 to 1+065 KHUSHU Access  
Km 1+090 to 1+103 KHUSHU Access
- **Joint Survey of Subgrade level of KHUSHI access road at:**  
Km 0+300 to 0+900
- **Joint survey of Excavation work and Support work at:**  
Km -4 tunnel 4+418 to 4+350  
LOGRO-B Tunnel 11+922 to 905
- **Joint survey of Excavation work and Support work at:**  
Km 0+900 to 1+142.37
- **Joint survey for subgrade level at:**  
Km 0+900 to 1+400 KHUSHI Access Road
- **Joint Work done survey for IPC-31 at:**  
Km 1+400 to 1+950 KKH-01
- **Joint Work done survey for slope protection IPC at:**  
Km 31 1+800 to 2+000
- **Joint survey for subgrade level at:**  
Km 0+570 to 0+650 KHUSHI Access Road.  
Demarcation of DOGAH Tunnel Outlet area KKH-01  
Demarcation of Carriageway at k 6+900 to 7+100 KKH-01  
Joint survey after back filling of UCHAR camp area

**iv. Dasu-KKH-02: Survey Supervision Activities**

- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 36+340 to Km36+380
- Joint Survey for shallow-hole blasting of New Camp at RD39

- Joint Survey for geological classification of the main Road KKH-02 at Km 37+120 to Km 37+800
- Joint Survey for shallow-hole blasting of KKH-02 main road Km 35+760 to Km 35+740
- Joint Survey for shallow-hole blasting of KKH-02 main road Km 46+210
- Demarcation of additional land at PANIBAH
- Demarcation of tunnel inlet and outlet KKH-02 at SUMMER tunnel
- Data collections for GIS and WAPDA of additional land at PANBAH
- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 40+030 to Km 40+050
- Joint topographic Survey for IPC of KKH-02 main road from Km 43+950 to Km 44+360
- Demarcation of tunnel inlet and outlet KKH-02 at Looter
- Joint topographic Survey for IPC of KKH-02 main road from Km 42+380 to Km 42+600
- Joint Survey for shallow-hole blasting of main road KKH-02 at Km 46+340
- Joint topographic Survey for IPC of KKH-02 main road from Km 26+380 to Km 27+180
- Joint Survey for shallow-hole blasting of KKH-02 main road Km 42+290 to Km 42+470
- Demarcation of ROW KKH-02 main road at KAIGHA
- Data collections for GIS and WAPDA of additional land at CHLASHI
- Joint Survey for shallow-hole blasting of KKH-02 main road Km 46+280 to Km 46+320
- Joint Survey for shallow-hole blasting of KKH-02 main road Km 40+000 to Km 40+005
- Data collections for GIS and WAPDA of additional land at CHALASHI
- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 24+780 to Km 24+800
- Demarcation of dumping site at SHURI WAPDA
- Joint Survey for shallow-hole blasting of new comp RD 39+000
- Demarcation of KHANDIA landslide area at KKH02
- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 36+420 to Km 36+380
- Demarcation of tunnel inlet and outlet KKH-02 at LAACHI
- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 33+530 to Km 33+580
- Joint topographic Survey for KKH-02 Km 42+580 to Km 42+760
- Joint survey for boulder measurement Km 46+310 to Km 46+300
- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 46+300 to Km 46+310
- Joint Survey for geological classification of the main Road KKH-02 at Km 0+000 to Km 0+513
- Data collections for GIS and WAPDA of additional land at PANBAH
- Demarcation of dumping site at SHURI NULAH

**v. Project Colony Survey Supervision Activities:**

- Joint Layout and Excavation of Boundary Wall at Category 2C Part 9
- Joint Layout and Excavation of Boundary Wall at Category 2C Part 10
- Joint Survey and Check Bed Level of Boundary Wall at Category 2C Part 9
- Joint Survey and Check Bed Level of Boundary Wall at Category 2C Part 10
- Joint Survey of Lean Top Level of Boundary Wall at Category 2C Part 9
- Joint Survey of Lean Top Level of Boundary Wall at Category 2C Part 10
- Joint Layout of Plinth Beam and Column of Boundary Wall at Category 2C Part 9
- Joint Layout of Plinth Beam and Column of Boundary Wall at Category 2C Part 10
- Joint Survey of Plinth Beam Top Level of Boundary Wall at Category 2C Part 9
- Joint Survey of Plinth Beam Top Level of Boundary Wall at Category 2C Part 10
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2 Part 1
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2 Part 2
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2 Part 3
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2 Part 4
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 5
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 6
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 7
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 8
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2A Part 5
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2A Part 6
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2A Part 7
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2A Part 8
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 1
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 2
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 3
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 4
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+280 to 0+300

- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+300 to 0+320
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+320 to 0+340
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+400 to 0+420
- Joint Layout and Excavation of Boundary Wall at Category 2C Part 11
- Joint Survey and Check Bed Level of Boundary Wall at Category 2C Part 11
- Joint Survey of Lean Top Level of Boundary Wall at Category 2C Part 11
- Joint Layout and Excavation of Boundary Wall at Category 2C Part 12
- Joint Survey and Check Bed Level of Boundary Wall at Category 2C Part 12
- Joint Survey of Lean Top Level of Boundary Wall at Category 2C Part 12
- Joint Layout of Plinth Beam and Column of Boundary Wall at Category 2C Part 11
- Joint Layout of Plinth Beam and Column of Boundary Wall at Category 2C Part 12
- Joint Survey of Plinth Beam Top Level of Boundary Wall at Category 2C Part 11
- Joint Survey of Plinth Beam Top Level of Boundary Wall at Category 2C Part 12
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2 Part 5
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2 Part 6
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2 Part 7
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2 Part 8
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 1
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 2
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 3
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2 Part 4
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2A Part 1
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2A Part 2
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2A Part 3
- Joint Survey and Check Excavation Level of Main Entrance Car Porch and Corridor at Cat 2A Part 4
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 5
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 6
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 7
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2A Part 8
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+340 to 0+360
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+360 to 0+380
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+380 to 0+400
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+440 to 0+460
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+460 to 0+480

**vi. Main Works Survey Supervision Activities**

- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 0+597 to 0+609
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+257 to 1+269
- Joint survey for switch yard excavation 4th layer EL: 557m to 555m
- Joint survey for lean concrete at Diversion Tunnel A CH: 0+405 to 0+430
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 0+405 to 0+417
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+241 to 1+292
- Joint formwork verification at Diversion Tunnel A inlet top slab CH: -0+023 to -0+035
- Joint formwork verification for 2 meter concrete at starter dam part III-2-4
- Data collection at Diversion tunnel B outlet with MM-01 design engineer
- Topographic survey at UCHAAR crush plant for sand production quantity
- Joint as built survey at Cable Crane platform EL 1052~1050
- Joint survey for left slot guide frames of Diversion tunnel A inlet
- Joint as built survey at switchyard right side 3rd layer
- Joint formwork survey at Diversion Tunnel-A CH: 1+444.5 to 1+479.4 before pouring concrete
- Joint layout survey for Gate Left side slot at Diversion tunnel-A EL: 792.4
- Joint survey of formwork for slop protection at Diversion tunnel-A outlet before pouring concrete
- Joint formwork survey at Diversion Tunnel-A CH: 1+444.5 to 1+479.4 before pouring concrete
- Joint as built survey at switchyard for quantity calculations
- Verification of survey control network at LBTT
- Verification of switchyard as built cross sections for quantity calculations
- Joint as built survey at Switchyard slope excavation left center EL: 954m to 950m
- Verification of as built surveys and cross sections of cable crane right and left bank EL: 1047 & 1032
- Joint as built survey at ceremonial platform backfilling quantity
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+456 to 1+468

- Verification of diversion tunnel A bottom excavation afi's
- Data collection of UCHAAR causeway
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+389 to 1+401
- Joint formwork verification for 2 meter concrete at starter dam part III-2-5
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 0+609 to 0+621
- Joint survey for lean concrete at Diversion Tunnel A CH: 1+360 to 1+390
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 0+621 to 0+633
- Joint survey for lean concrete at Diversion Tunnel A CH: 1+210 to 1+221
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+317 to 1+329
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 0+647 to 0+659
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 0+657 to 0+669
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+185 to 1+197
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+269 to 1+281
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 0+681 to 0+693
- Joint formwork verification at DTA outlet right side for slope protection concrete
- Joint survey for lean concrete at DTA CH: 1+390 to 1+430
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+353 to 1+365
- Joint survey for excavation cable crane at DAM site Left bank
- Joint survey for formwork at starter DAM CH: 0-088 to 0-101 before pouring concrete
- Joint survey for formwork at starter DAM CH: 0-066 to 0-076.6 before pouring concrete
- Joint formwork verification for 2 meter concrete at starter dam part III-5-5
- Joint formwork verification for 2 meter concrete at starter dam part III-2-7
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+245 to 1+257
- Joint formwork verification for 2 meter concrete at starter dam part III-5-7
- Joint survey for lean concrete at Diversion Tunnel A CH: 1+221 to 1+242
- Joint as built survey at switchyard right center El: 955m to 950m
- Joint formwork verification for 2 meter concrete at starter dam part II-3-5
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+444 to 1+456
- Joint formwork verification for 2 meter concrete at starter dam part II-1-4
- Joint formwork verification for 2 meter concrete at starter dam part III-4-3
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+401 to 1+413
- Observed river water level at KASS Truss bridge
- Joint formwork verification at Diversion Tunnel A for 1 meter invert concrete CH: 1+425 to 1+4437
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 0+633 to 0+641
- Joint formwork verification for 2 meter concrete at starter Dam Part III-5-4
- Observed river water levels at DTA , DTB inlets and outlets
- Joint formwork verification for 2 meter concrete at starter Dam Part II-2-4
- Joint formwork verification for 2 meter concrete at starter Dam Part III-2-8
- Joint formwork verification for 2 meter concrete at starter Dam Part III-5-6
- Observed river water levels at DTA inlet and DTB outlet
- Joint formwork verification for 2 meter concrete at starter Dam Part II-2-6
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+293 to 1+305
- Joint formwork verification for 2 meter concrete at starter Dam Part III-4-4
- Measurement for Sand storage at UCHAR crush plant
- Daily convergence measurements at Power House Cavern CH: 0+110 to 0+125
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+233 to 1+245
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+221 to 1+233
- Daily convergence measurements at Power House Cavern CH: 0+105 to 0+145
- Observed river Water Level at Diversion Tunnel-A inlet and outlet
- Joint survey for lean concrete at Diversion Tunnel A CH: 1+330 to 1+350
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 0+417 to 0+429
- Joint as built survey at Diversion Tunnel A outlet right side exposed rock
- Observed remaining houses in KASS disposal area
- Joint survey for lean concrete at DTA CH: 1+350 to 1+390
- Verification of survey control network at Service Tunnel B
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 0+669 to 0+681
- Joint formwork verification at DTA outlet right side surface protection concrete
- Observed river water levels at Diversion tunnel's inlet and outlet
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+281 to 1+293

- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+341 to 1+353
- Joint convergence measurements at PHC Ch: 0+105 to 0+145
- Measurement for Sand storage at UCHAR crush plant
- Joint formwork survey at Starter DAM CH: 0-101 to 0-113 before pouring concrete
- Joint formwork survey at DTA CH: 1+479.45 to 1+444 before pouring concrete
- Daily convergence measurements at Power House Cavern CH: 0+130 to 0+145
- Topographic survey at KASS for MW-02 design engineer
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+365 to 1+377
- Observed river water levels at DTA inlet and outlet
- Joint survey for lean concrete at DTA CH: 1+444 to 1+468
- Joint formwork verification for 2 meter concrete at starter dam part III-3-5
- Joint survey for 1 meter invert concrete at Diversion Tunnel A CH: 1+437 to 1+444.55
- Joint as built survey at Cable Crane foundation excavation at right bank
- Joint as built survey at Switchyard 4<sup>th</sup> layer right center

**vii. Revenue Survey**

- Revenue Verification from SHATIAL limits to end point of Reservoir
- Revenue Verification of GUMMO

**viii. Other Surveys**

- Topographic survey of water supply pipe line at KAIGAH NULLAH to NASIR ABAD
- Established control point from Seer GAYAL To GAYAL NULLAH for relocate School
- Demarcation of ROW RAR-02 at Seer GAYAL
- Topographic survey for R/V at KUZ CHUCHANG upper Portion

**d) Geology and Geotechnical Section Activities**

**i. Dasu-MW-01**

- **Traffic Diversion Tunnel (Inlet)**  
Carried out subsurface geological mapping/data collected up to 1+044m.
- **Traffic Diversion Tunnel (Outlet)**  
Carried out subsurface geological mapping/data collected up to 1+245m.
- **Diversion Tunnel Right Bank Downstream (DTR- D/S)**  
Carried out subsurface geological mapping/data collected up to 0+453m.
- **Diversion Tunnel Right Bank Upstream (DTR- U/S)**  
Carried out subsurface geological mapping/data collected up to 0+132m.
- **Cable Crane:**  
Left bank: Geological mapping of cable crane at Elev. 1031m done  
Right bank: Geological mapping of cable crane at Elev. 1043m done

**ii. Dasu-MW-02**

- **In-Situ Overcuring Test (GIST):**  
A meeting was held with CGGC & IVCC on 19<sup>th</sup> December, 2022 at DHC office regarding the in situ over coring test but no any documents have been submitted yet.
- **Service Tunnel-B (ST-B)**  
Geological mapping and collection of data from 0+127m to onward will continue after support works.
- **Connection Tunnel-02 (CT-02)**  
Carried out subsurface geological mapping/data collected up to 0+451m.  
Target length has been completed.
- **Tailrace Tunnel-1 Upstream (TRT1-U/S) from CT-02**  
Carried out subsurface geological mapping/data collected up to 1+547m.
- **Tailrace Tunnel-1 Downstream (TRT1-D/S) from CT-02**  
Carried out subsurface geological mapping/data collected up to 1+614m.
- **Tailrace Tunnel-2 Upstream (TRT2-U/S) from CT-02**  
Carried out subsurface geological mapping/data collected up to 1+615m.
- **Tailrace Tunnel-2 Downstream (TRT2-D/S) from CT-02**  
Carried out subsurface geological mapping/data collected up to 1+668m.
- **ADFT (TRT-1) from CT-01**  
Carried out subsurface geological mapping/data collected up to 1+016m.
- **Connection Tunnel-1 Left ADFT (CT1-L)**  
Carried out subsurface geological mapping/data collected up to 0+67.5m.

Target length has been completed.

- **Connection Tunnel-1 Right ADFT (CT1-R)**

Carried out subsurface geological mapping/data collected up to 0+72m.

Target length has been completed.

- **Exhaust Shaft**

Carried out subsurface geological mapping/data collected up to 0+023m.

Target length has been completed.

- **Switchyard**

Right side, 3<sup>rd</sup> layer at Elev. 952 to 944.5m & Elev. 943 to 940m Geological mapping done.

Right Side Center portion: 4<sup>th</sup> layer at Elev. 955 to 950m Geological mapping done

iii. **KKH-01**

- **Logro Tunnel-A (K9+159) Inlet**

Carried out subsurface geological mapping/data collected up to K9+450m.

- **Logro Tunnel-B (K11+923) Outlet**

Carried out subsurface geological mapping/data collected up to K11+902m.

- **K-4 Tunnel (K4+621) Outlet**

Carried out subsurface geological mapping/data collected up to K4+349m.

- **Dogah Tunnel (K23+750) Outlet**

Carried out subsurface geological mapping/data collected up to K23+641m.

iv. **KKH-02**

A. **Drilling/investigation for KKH-02 Tunnels by DID WAPDA**

- **Shori Tunnel-1 (BV#47-1) Inlet Target 40m:**

Drilling progress is 40.0m, drilled from 0.00 to 40.0m.

Target depth of 40.0m has been completed.

Borehole terminated.

- **Looter Tunnel (BV#36-2) Outlet Target 50m:**

Access track & Shifting of drilling rig to borehole location in progress.

- **Summer tunnel (BH#51-1) Inlet Target 50m:**

Drilling progress is 27.0m, drilled from 23.0m to 50.0m.

Target depth of 50.0m has been completed.

Borehole terminated.

- **Summer tunnel (BV#51-2) Outlet Target 40m:**

Drilling progress is 40.0m, drilled from 0.00.0m to 40.0m.

Target depth has been completed.

Borehole terminated.

- **Summer tunnel (BV#51-3) Outlet Target 25m:**

Local people have stopped work due to social issue.

- **Gober tunnel-1 (BH#40-1) Inlet Target 30m:**

Drilling progress is 06.0m, drilled from 0.00 to 06.0m.

Net progress is 06m.

- **Gober tunnel-1 (BH#40-2) Outlet Target 50m:**

Drilling progress is 48.0m, drilled from 0.00 to 48.0m.

Net progress is 48m.

B. **Drilling/Geotechnical Investigation for Proposed Bridges at Relocated KKH-02 by CGGC:**

- **Looter Bridge**, left abutment 25m completed

- **Looter Bridge**, right abutment 40m completed

- **Summer Bridge**, left abutment 50m completed

- **Summer Bridge**, right abutment 50m completed

- **Rock Classification KKH-02:**

Carried out jointly rock classification of KKH-02 from K34+800 at K36+450.

### 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.3**

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

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

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

Description	Physical Progress (%)	Financial Progress (%)
Scheduled <sup>1)</sup>	45.7	42.6
Actual	16.4	14.4

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

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

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

##### 4.1.1 General Contract Data of KKH-01

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

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

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

##### 4.1.2 Progress Status of KKH-01

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

**Table 4.4: Progress of KKH-01 this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-01	91.3	176.7	32.9	-	0.30	100.0	33.2

- Gantt chart and S-Curves are shown in Figure-8 & 9 respectively
- Scheduled progress of KKH-01 is based on interim EoT-2. The Contractor has submitted revised programme, and is under review with the Engineer.

##### 4.1.3 Major Activities of KKH-01

The major activities undertaken during this month were:

- **Limited Construction Activities in this month.**
- Slope protection works and excavation activities at third bench Zero Point continued during the month.
- Excavation and primary support works of K-4 Tunnel outlet side RD=K4+355 continued during the month and 271m heading and benching 139m completed. Preparation for secondary lining assembling of formwork completed.
- Excavation and primary support works of Logro-A tunnel inlet side RD=K9+449 continued during the month and 297m heading, benching 256m completed. Preparation for secondary lining assembling of formwork.
- Improvement works including construction of retaining walls & laying of RCCP for Khushe Bypass Road continued during the month.
- Construction of camp, workshop and batching plant in Uchar continued during the month.
- Preparatory works for Uchar Bridge resumed and continued during the month. Preparation for slope protection works on Dasu direction started and continued during the month.
- Barseen Bridge in Kaigah direction Camp construction continued during the month. Construction of access road for Abutment 02 in Kaigah direction started and continued.
- Tunnel excavation and primary support works of Logro-B RD=K11+905 18m and Dugah tunnel RD=K23+645 outlet side 5m heading completed during the month.

- Construction of camp, workshop and batching plant in Kaigah for Dugah tunnel continued during the month.
- Preparation for slope protection works on right side pier 01 of Uchar Bridge suspended during the month.
- Construction of access road on left side pier 02 of Uchar Bridge started and continued during the month.

#### 4.1.4 Location wise Current Status of KKH-01

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

**Table 4.5: Location wise Status (KKH-01)**

No.	Section	Issue	Measures	Present Status and What Action to be Taken
1.	K16+000 to K20+600	Unfavorable Geological and Topographical conditions faced at KKH-01 from K17+100 to K17+600	Based on the Contractor's request with his letter ref.19-024, dated 16.02.2019, a geological study was made by DHC Expert.	Uchar-A Detail Design is submitted and waiting for additional Geological Investigation.
		Re-location of the Uchar Bridge. (Uchar Nallah).	Uchar Bridge Construction at new Location.	Preparatory works and mobilization in progress. Slope protection towards pier 01 and access road excavation for pier 02.
		Stoppage of excavation at K20+500 due to additional land acquisition to remove the unstable rock slope. (Barseen to Uchar).	Revised location of Barseen bridge is proposed.	Preparatory works and mobilization in progress.
2.	K20+600 to K24+710	Proposal of new bridge to avoid the passing in the unstable slope area of the Dugah Nullah. (Kaigah to Barseen)	The proposal of new bridge crossing Dugah Nullah has been prepared by DHC and the Bridge proposal option 2 was approved by the Employer.	Preparatory works and mobilization in progress.

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

### 4.2.1 General Contract Data of KKH-02

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

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

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

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

### 4.2.2 Progress Status of KKH-02

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

**Table 4.7: Progress of KKH-02 this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-02	10.6	44.1	2.1	5.28	0.54	32.7	2.6

- The Contract has been commenced on 20<sup>th</sup> May 2021.

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

### 4.2.3 Major Activities of KKH-02

The major construction activities undertaken during this month were:

- Excavation and blasting work at K24+730-800, K26+370-700, K33+520-700, K36+270-450, K42+290-490, K46+200-300 is continue.
- New access road has commenced at K38, K40 for gobbar tunnels and bridge (both faces).
- Work has been stopped at k31 due to weak geology and at K44 (both sides) due to SMR package.

### 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	91.3	155.3	98.6	-	0.15	100.0	98.8

- Gantt chart and S-Curves are shown in Figure-11 & 12 respectively.

- The Construction Schedule for Kamila bypass agreed with the Engineer. The Contractor shall submit interim EoT-4

#### 4.3.3 Major Activities of RAR-01

The major activities undertaken during this month were:

##### Construction Activities

- Excavation work, drilling and blasting work, boulder blasting etc at middle and end portion of Komila bypass in progress.
- Slope cutting from catch point around K0+400 to K0+600 in progress.
- Excavation for road around K1+200, drilling and blasting around K2+200 and section Komila Bypass in progress.
- Sub grade preparation i.e. levelling etc from K1+500 to K1+750 in progress.
- Drilling, blasting and excavation work for local access around K2+100 in progress and completed.
- Embankment filling in Nullah for causeway around K1+350 in progress.
- Granular backfilling at causeway rip rap area in progress.
- Toe wall protection in nullah at K1+350 and stone masonry rip rap in progress and completed.
- Concrete for causeway cutoff wall & Slab (L/S) in progress and completed.
- Concrete for causeway cutoff wall, lean & A1 concrete for slab at K0+356 completed.
- Concrete for causeway cutoff wall, lean & A1 concrete for slab at K0+900 completed.
- Concrete for causeway cutoff wall & slab (R/S) in progress and completed.
- Stone masonry retaining walls around K1+252 and K1+272 in progress and completed.
- Granular & stone dust backfilling behind the completed R/walls in progress.
- Breast wall stone masonry around k0+700 to K0+850 in progress.
- Stone masonry parapet wall around K11+200 at RAR-01 in progress.

##### NOTE:

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

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

#### 4.4.1 General Contract Data of RAR-02

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

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

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

#### 4.4.2 Progress Status of RAR-02

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

**Table 4.11: Progress of RAR-02 this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-RAR-02	22.6	94.4	1.3	3.66	0.36	98.5	1.7

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

#### 4.4.3 Major Activities of RAR-02

The major construction activities undertaken during this month were:

- Excavation and blasting work continue from K13+370 to K13+800.
- Cable crossing work at K20 is almost done.
- Work at seer gayal access road has been stopped by locals on 17<sup>th</sup> of March due to the non-payment of houses in reservoir area.
- The contractor is working on four working faces in kandia, K33+400, K34+450 & K36+410.
- Work at k35 has been stopped by locals due to SMR package.
- Request for removal of houses inside and below the RAR-02 has been forwarded to the Employer.
- The Contractor mobilized to the Kaigah Contractor's camp and brought new equipment and manpower. The Contractor is planning to start Kandia working face and has already started Largani cable way to start new working face.

### 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	89.0	163.2	92.0	-	0.15	100.0	92.2

- Gantt chart and S-Curves are shown in Figure 14 and Figure 15, respectively.
- The Contractor shall submit updated schedule to PM for review and prepare interim EoT-04 for approval

### 4.5.3 Major Activities of TL-01

#### Activities carried during the month:

- Excavation/cutting of access road to Grid Station is in progress.
- Breast wall at Alignment-1 of access road is completed.
- Breast wall at Alignment-2 of access road is in progress.
- Fencing work of switchyard is in progress.
- Roof treatment on Control house building is completed.
- Foundation of Earth Mast is completed.
- Erection of Gantries on Terrace-1 and Terrace-2 is completed.

#### Overall completed activities:

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

**Table 4.14: Tower Wise Status of Line Work**

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
1	NTDC-1	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The NTDC's Contractor could not drill for pile foundation of tower NTDC-1 and left the site.
2	NTDC-2	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
3	NTDC-3	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
4	NTDC-4	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
5	NTDC-5	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
6	NTDC-6	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
7	T-37	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The Employer instructed the Contractor to carryout the design work for JKD towers. However, the Contractor mobilized his team for subsoil investigation but the landowners stopped the work.
8	T-38	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
9	T-39	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
10	T-40	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
11	T-41	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
12	T-42	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
13	T-43B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
14	T-44B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
15	T-45A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
16	T-46A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
17	T-47A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
18	T-48A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
19	T-49A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
20	T-50A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
21	T-51A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
22	T-52	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
23	T-53	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Completed	
24	T-54	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
25	T-55A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Completed	
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		
								Not started	
29	T-60A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
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		
								Not started	
35	T-66A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
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	
42	T-71A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
43	T-71M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Not started	
44	<b>T-72A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
45	<b>T-73A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
46	<b>T-74A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
47	<b>T-75A</b>	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
48	<b>T-76A</b>	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
49	<b>T-77A</b>	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
50	<b>T-78A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
51	<b>T-79A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
52	<b>T-79M</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
53	<b>T-80A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
54	<b>T-80M</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
55	<b>T-81A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
56	<b>T-81M</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
57	<b>T-82A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
58	<b>T-82M</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
59	<b>T-83A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
60	<b>T-83M</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
61	<b>T-84A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
62	<b>T-85A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
63	<b>T-86</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
64	<b>T-87</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
65	<b>T-88A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
66	<b>T-89A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
67	<b>T-90</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
68	<b>T-91A</b>	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	



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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
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	
84	T-110A	EG-24	Completed	Not started	Not started	Not started	Not started		
								Not started	
85	T-111A	ED-24	Completed	Not started	Not started	Not started	Not started		
								Not started	
86	T-113B	EG-24	Not started	Not started	Not started	Not started	Not started		
								Not started	
87	T-115A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
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		

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								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	
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	Completed	Not started	
110	T-139A	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
111	T-140	ZM-30 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
112	T-141A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
113	T-142B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
114	T-143A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
115	T-144A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
116	T-145B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
117	T-146A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
118	T-147B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
119	T-148A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
120	T-149A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
121	T-150A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
122	T-152	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
123	T-153A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
124	T-154A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
125	T-155B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								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		

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								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	Not started	
162	T-192A	ZM-60 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
163	T-193A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
164	T-193M	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
165	T-194A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
166	T-194M	ZM-60 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
167	T-195A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
168	T-196A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
169	T-197A	ZM-60 Standard	Completed	Value is above 10 ohm	Completed	Completed	Not started	Not started	
170	T-198A	ZM-30 Modify	Completed	Value is above 10 ohm	Completed	Completed	Not started	Not started	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
171	T-199A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
172	T-200A	ZM-60 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
173	T-201A	ZM-30 Modify	Completed	Completed	Completed	Completed	Not started	Not started	
174	T-202A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
175	T-203A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
176	T-204A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
177	T-204M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
178	T-205A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
179	T-206A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
180	T-207A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
181	T-208A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
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 upto Previous Month	Completed in this Month	In Progress	Completed up to this Month	Remarks
1	2	3	4	5	6=3+4	7
<b>A</b>	<b>Transmission Line</b>					
1	Excavation/Cutting of tower foundation	172	0	0	172	
2	Concrete of tower foundation	168	0	0	168	
3	Backfill of tower foundation	168	0	0	168	
4	Tower Erection	156	0	0	156	
5	Stringing (Spans)	59	0	0	59	
<b>B</b>	<b>Grid Station</b>					
1	Foundation concrete of switch gear in Grid Station is in progress.					

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

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

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

**Table 4.17 Materials on Site**

No.	Items	Qty.
1	Tower Bodies (Nos)	23
2	Lynx conductor (km)	105

3	110-volt battery charger (Nos)	2
4	11kv switchgear panels (Nos)	15
5	CT/CV/CB ISO (Nos)	20
6	Surge arrestos (Nos)	15
7	Grounding conductor for G.S (km)	2.2
8	Rail conductor (km)	12.8
9	Shield wire (km)	38
10	Transmission line and G.S Hardware	Completed (except JKD Towers)
11	Telecom. Equipment	Completed as required.
12	Disc insulators + Post Insulators	12640 + 6
13	Control & Relay panels	6
14	Gantry material of G.S	Beams 3Nos and Columns 5Nos

#### 4.5.4 Location wise Current Status of TL-01

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

**Table 4.18 Location wise Status (TL-01)**

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	T37, T38, T39, T40, T41, T42, T109A, T110B, T113B, T129A, T130A, T-200A & T-201A, T173A to T175A & T184 to T186.			The Employer instructed the Contractor to carryout the design work for JKD towers (T-37 to T-42). However, the Contractor mobilized his team for subsoil investigation on the said towers but the landowners stopped the work. The Landowner has stopped the work at T-109A and T-110B demanding tree compensation for T-109A. The landowner wants to carry out the construction activities of T-113B by themselves but demanding high price for foundation work. The Landowner has stopped erection work on T-129A and claiming that he has balance payment which was agreed by Employer's representative in respect of preparing place for material storage at tower location. The Landowner has stopped the work on T-130A and demanding tree compensation amount. The Land owner of T-200A and T-201A stopped erection work demanding for compensation of repairing the drain below these towers which was damaged during foundation work. The Landowners have stopped stringing activity from T-173A to T-175A & T-184 to T-186 demanding for amount of tree compensation. Work have been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)		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	69.3	61.3	20.1	2.05	0.22	41.7	20.4

- Gantt chart and S-Curves are shown in Figure 16 and Figure 17
- Scheduled Progress of MW-01 and MW-02 have been estimated by the Engineer according granted EoTs. The Contractor must submit the revised baseline programme.

##### 4.6.3 Major Activities of MW-01

Major construction activities and progress are summarized below:

#### 4.6.3.1 Preparatory Works

##### (1) Contractor's Camp

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

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

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

- Stone Masonry for Retaining Wall-74%

##### (2) Steel Truss Bridge at Seo

Construction of steel truss bridge at Seo completed on April 10<sup>th</sup>, 2022.

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

- Fencing Wall- 59%
- Construction of Generator's house- 95%
- Installation of generator system for power supply started on March 20, 2023 and works are on-going in the month of March.

##### (4) Aggregate Storage at CR9 Area

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

##### (5) Additional Measures for Security Enhancement

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

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

- The Contractor's Water Supply Pipeline & pumps installed along the Uchar Nullah was washed out by debris flow in the Uchar Nalluh which results in stoppage of concrete/shotcrete works for Diversion Tunnel.
- Backfill below Chinese and Local Dormitories at River side of Uchar Camp eroded due to debris flow in the Uchar Nalluh which result damage to the Chinese Canteen. Other buildings at river side is also in danger if further severe flood occurs in future.

##### (7) Suspension of Construction Activities inside Diversion Tunnel

- Due to overtopping of the Indus River water from the Diversion Tunnel Inlet Dyke, all the excavation and concrete activities suspended inside the Tunnel since August 16, 2022.
- Dewatering inside the Diversion Tunnel started from August 30<sup>th</sup>, 2022 and remaining continued during the month of September.
- De silting from DT-A started from night of 24<sup>th</sup> September, 2022.

#### 4.6.3.2 Diversion Tunnel

##### (1) Excavation of Diversion and Adit Tunnels

###### i) Adit Tunnels

- 3# Adit tunnel underground excavation completed (804.3m) on 2nd April 2020.
- 1-2# Adit tunnel work started from 23rd September and completed at 804.6 m on April 18, 2021.
- 3-1# Adit tunnel underground excavation (244m) was completed on December 13, 2020.
- Adit Tunnel 3-2 (223m) started on November 28, 2022 and completed on Feb 6, 2023.

###### ii) Diversion Tunnels

**Indus River closed on February 20, 2023 and river was diverted through Diversion Tunnel No. B. Inlet Dyke in front of Diversion Tunnel No. B was removed up till El. 775m.**

##### ➤ Open Excavation of Inlet Structure

###### **Diversion Tunnel A**

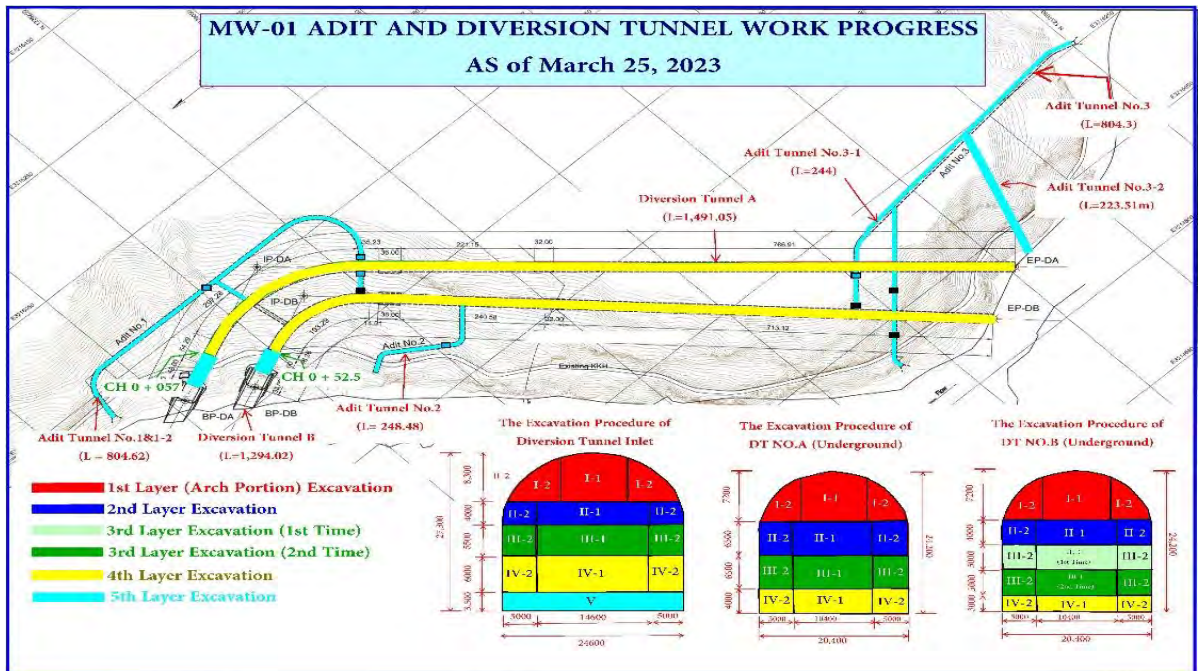
43,620/43,620m<sup>3</sup> (100%) open excavation completed at the end of December 2020.

###### **Diversion Tunnel B**

41,395/41,395m<sup>3</sup> (100%) open excavation started on April 2, 2019 and completed on completed at the end of December 2020.

➤ **Underground Excavation of Diversion Tunnel**

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



**Diversion Tunnel A**

Underground excavation for Diversion Tunnel No. A was started on August 9th, 2019 and completed on March 7, 2023. 712,768m<sup>3</sup>/ 712,768m<sup>3</sup> (100%).

**Diversion Tunnel B**

Underground excavation for Diversion Tunnel No. B was started on May 30th, 2019 and completed on January 28, 2023. 623,515m<sup>3</sup>/ 623,515m<sup>3</sup> (100%).

**(2) Concrete Work of Diversion and Adit Tunnels**

**Diversion Tunnel A**

**1) Inlet Structure Works (Outside)**

- 17,940m<sup>3</sup> / 18,200m<sup>3</sup> (98.57%) completed till end of March, 2023. The concreting works before the river diversion is completed at the Inlet Structure Outside

**2) Inlet Lining Works (Inside)**

- Concrete Works: 10,444m<sup>3</sup> / 10,444m<sup>3</sup> (100%) completed on March 18, 2023.

**3) Invert Levelling Concrete (C20)**

- L/S- 1,427m / 1,524m (97%)  
- R/S- 1,524m/1,524m (100%)

**4) 1m Invert Structural Concrete (A25)**

- L/S- 1,296m / 1,411.55m (92%)  
- R/S- 1,387m/1,411.55m (98%)

**5) Outlet Structure Works**

- Concrete Works: 1,926m<sup>3</sup> / 1,926m<sup>3</sup> (100%) completed on June 2<sup>nd</sup> 2022.

**Diversion Tunnel No. B**

**1) Inlet Structure Works (Outside)**

- 17,941m<sup>3</sup>/ 21,600m<sup>3</sup> (83%) completed till end of March, 2023. No concrete observed during the month of March, 2023.

**2) Inlet Lining Works (Inside)**

- 10,054m<sup>3</sup>/10,054m<sup>3</sup> (100%) started on Nov 24, 2021 and completed on Dec 21, 2022.

**3) Shear Zone Area**

- Concrete Works: 9,004m<sup>3</sup> / 9,004m<sup>3</sup> (100%) started on March 13, 2022 and completed on December 16, 2022.



**4) Invert Levelling Concrete (C20)**

- L/S- 1,309m / 1,309m (100%)
- R/S- 1,309m/1,309m (100%)

Started on January 24, 2021 and completed on January 29, 2023.

**5) 1m Invert Structural Concrete (A25)**

- L/S- 1,163.52m / 1,163.52m (100%)
- R/S- 1,163.52m/1,163.52m (100%)

Started on April 26, 2022 and completed on February 3, 2023.

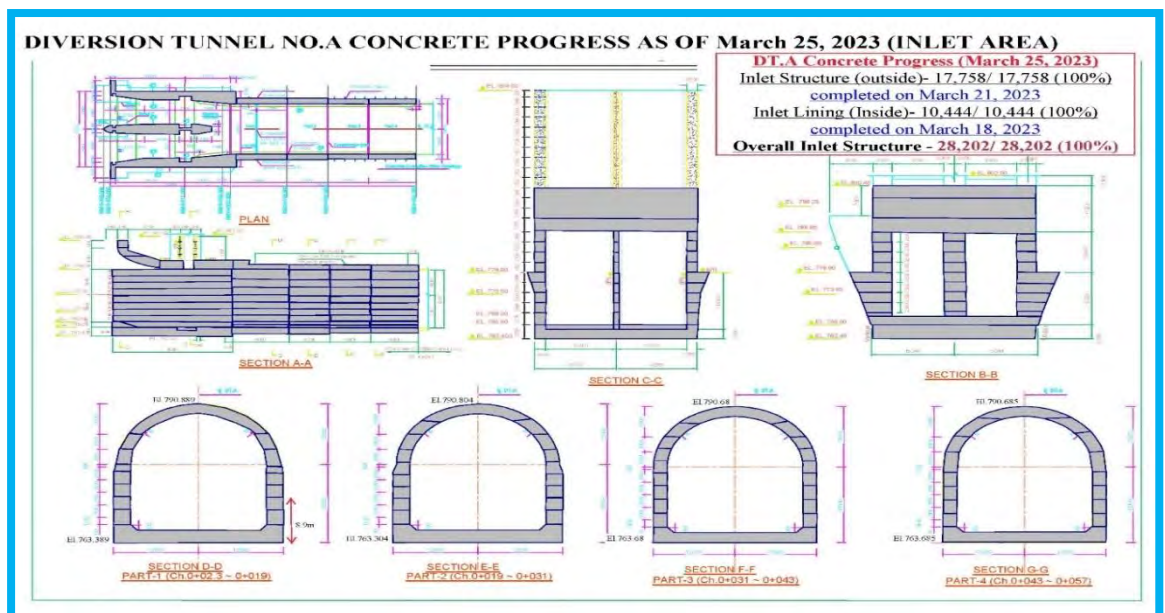
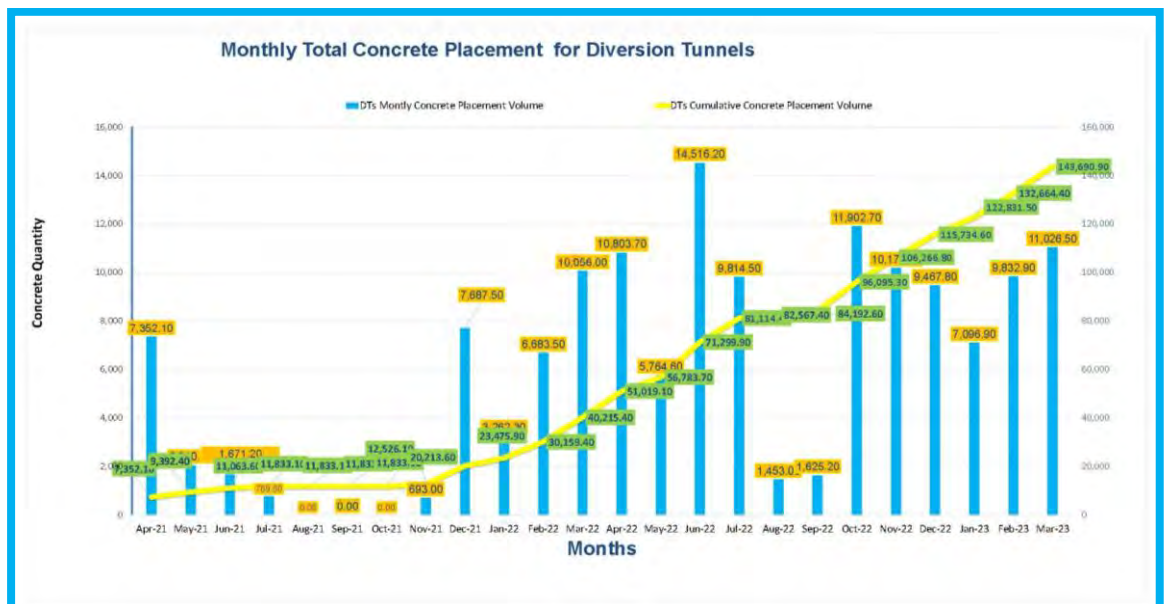
**6) Outlet Structure Works**

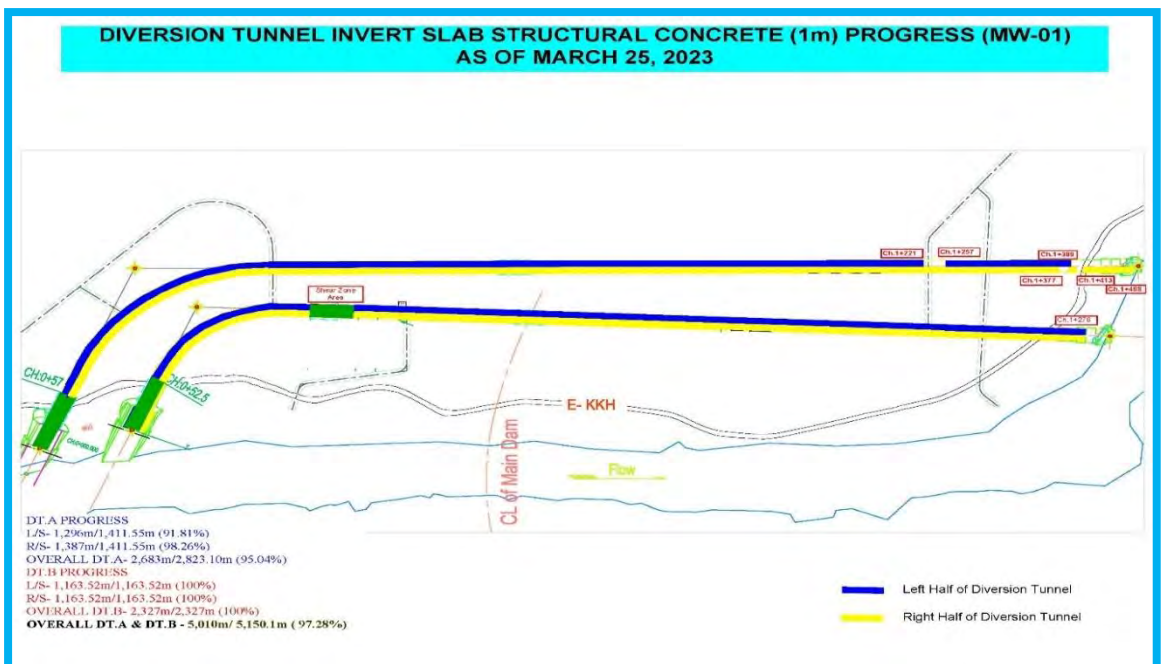
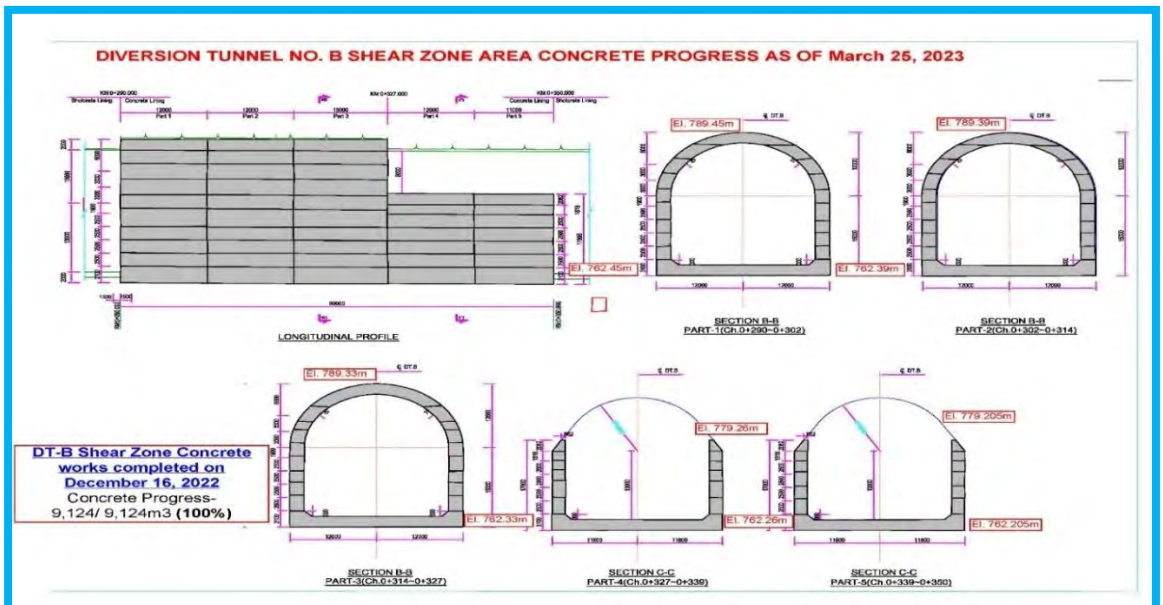
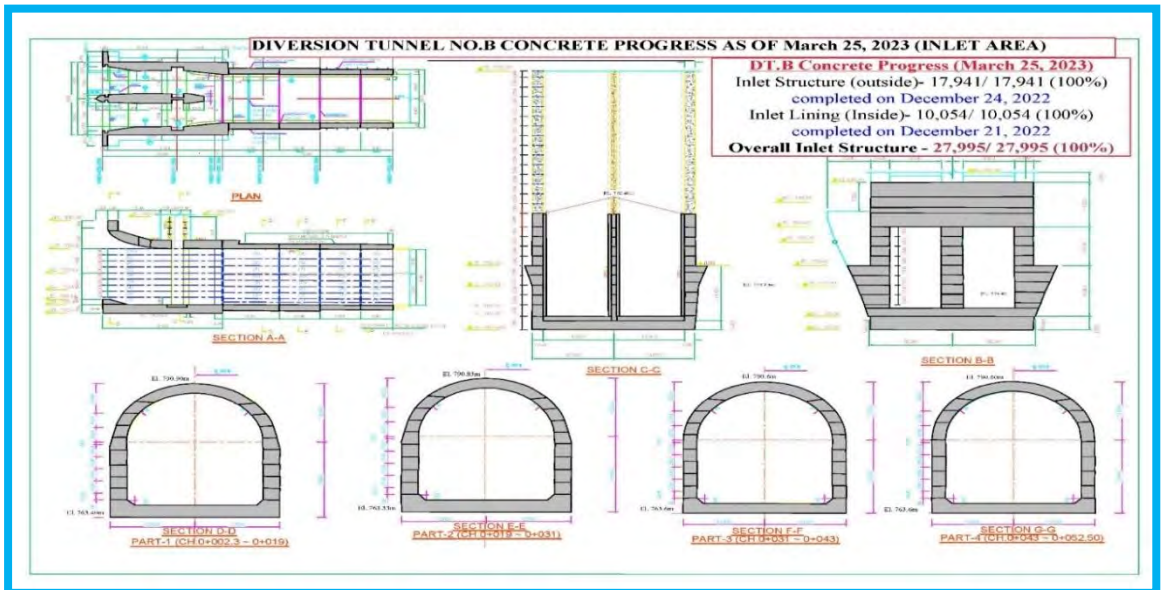
- **Concrete Works:** 1829.20m<sup>3</sup>/ 1829.20m<sup>3</sup> (100%) started on May 7, 2021 and completed on May 9, 2022.
- **Additional Concrete:** Additional concrete at DT.B outlet wall started on January 16, 2023 and completed on Jan 28, 2023. Total Quantity poured was 358 / 358m<sup>3</sup> (100%).

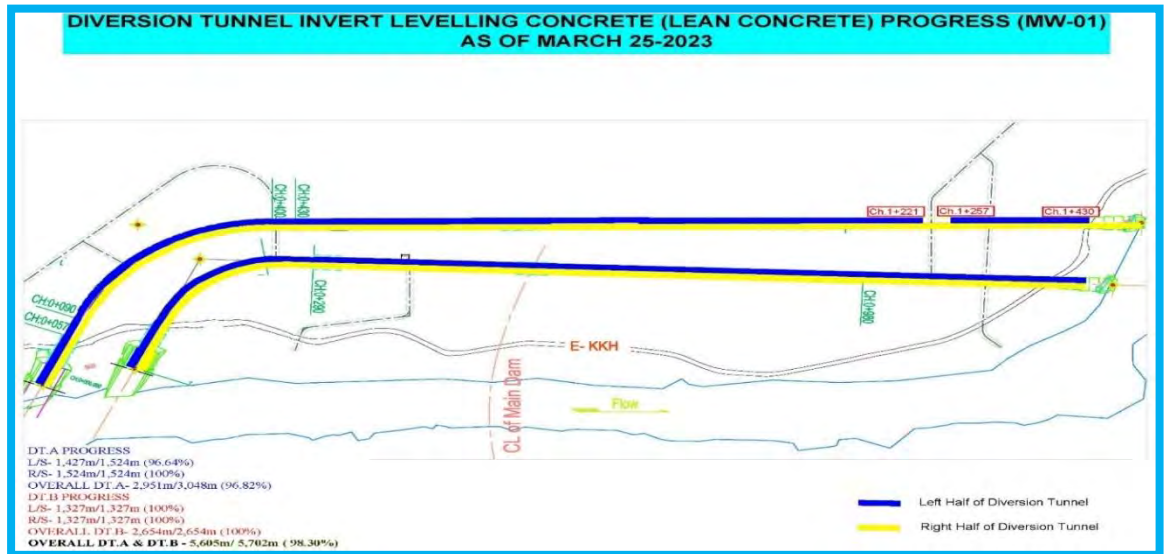
**1) Adit Plug Concrete**

- **Concrete Works:** 891m<sup>3</sup>/ 1647m<sup>3</sup> (54%) completed till end of March, 2023.

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







**(3) Inlet dyke**

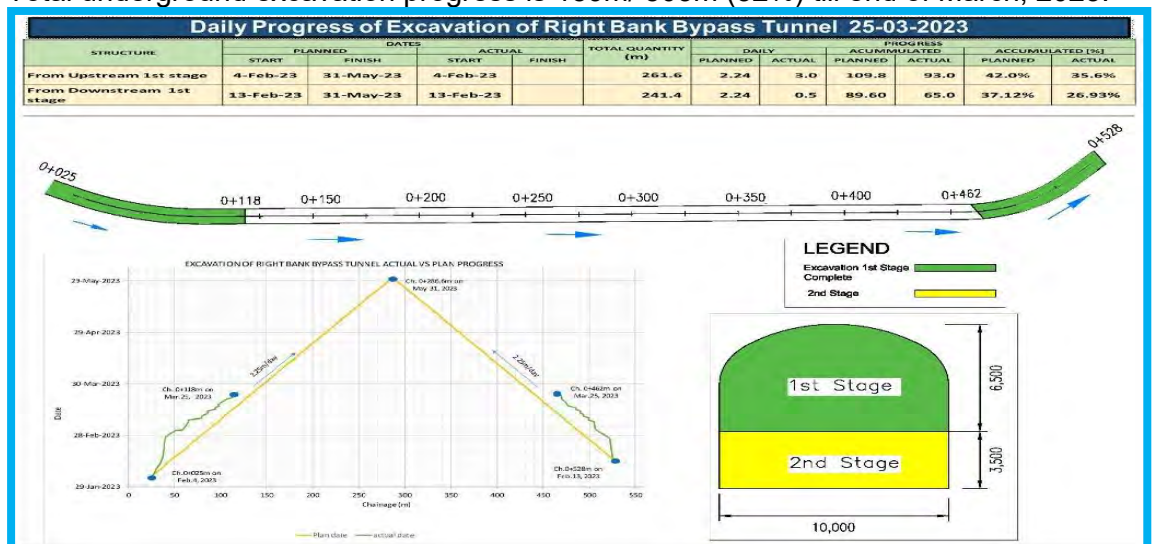
- Concrete: completed on July 4, 2019.
- Permeability test around the inlet dyke started on January 29, 2020.
- Concrete Pouring for remaining Inlet Dyke completed during the month of May, 2022.
- Some Part of Inlet Dyke in front of Diversion Tunnel No. A was removed for making platform for the Construction of Inlet Structure Slab.
- Inlet dyke in front of Diversion Tunnel No. B was removed from El. 788m to El. 776m. 4 No. of blasts carried out on January 31, 2023, 12<sup>th</sup>, 13<sup>th</sup> & 16<sup>th</sup> February, 2023 to remove DT.B Inlet Dyke.

**(4) Diversion Tunnel Outlet dyke Construction Works**

- **Concrete Works:** for DT-A 100% completed on June 11, 2021
  - for DT-B 100% completed on June 13, 2021
  - Reconstruction of DT-A Dyke completed on June 13, 2022.
  - Reconstruction of DT-B Dyke completed on June 6, 2022.
  - Outlet Dyke in front of DT.B was blasted on February 10, 2023.
- Demolishing of Diversion Tunnel Outlet Dyke for removal of water from Diversion Tunnel carried out during the month of September.

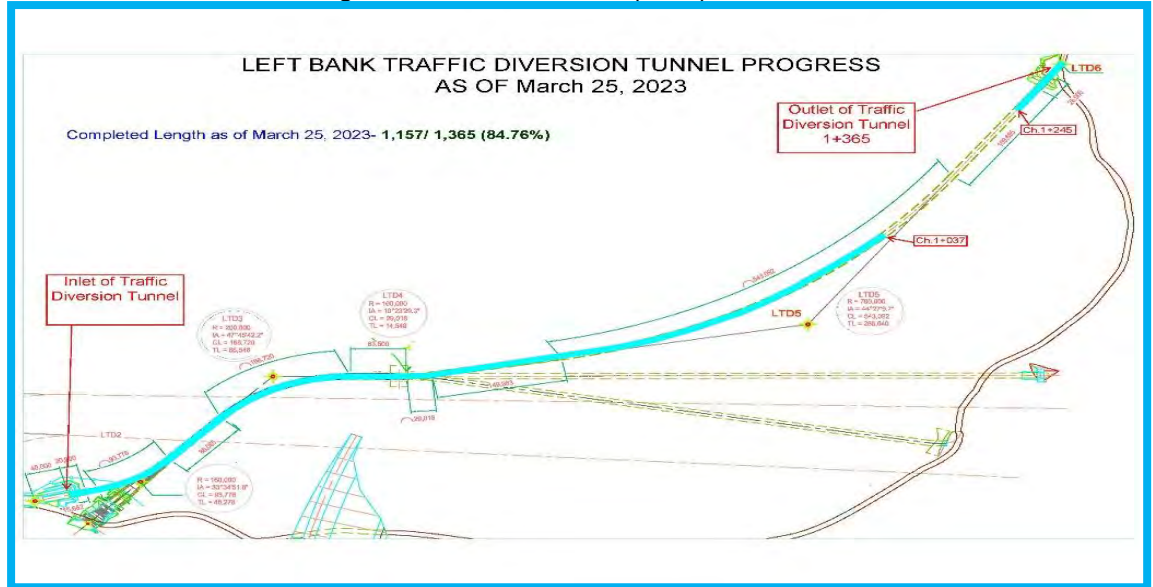
**(5) Right Bank Bypass Tunnel on the right bank**

- 1<sup>st</sup> U/G Blast at Inlet carried out on February 4, 2023 at Ch. 0+025m and progress up to Ch. 0+118m (93m) till end of March, 2023.
- 1<sup>st</sup> U/G Blast at outlet carried out on February 14, 2023 at Ch. 0+528m and progress up to Ch. 0+462m (66m) till end of March, 2023.
- Total underground excavation progress is 159m/ 503m (32%) till end of March, 2023.



**4.6.3.3 Left Bank Traffic Diversion Tunnel**

- Underground Excavation from U/S started on April 1, 2021 and progressed up to 1037m till end of March, 2023.
- Underground Excavation from D/S started on December 15, 2022 and progressed up to Ch. 1245 (120m) till end of March, 2023.
- Total U/G Excavation Progress – 1,157/1,365 (85%)



**4.6.3.4 Main Dam**

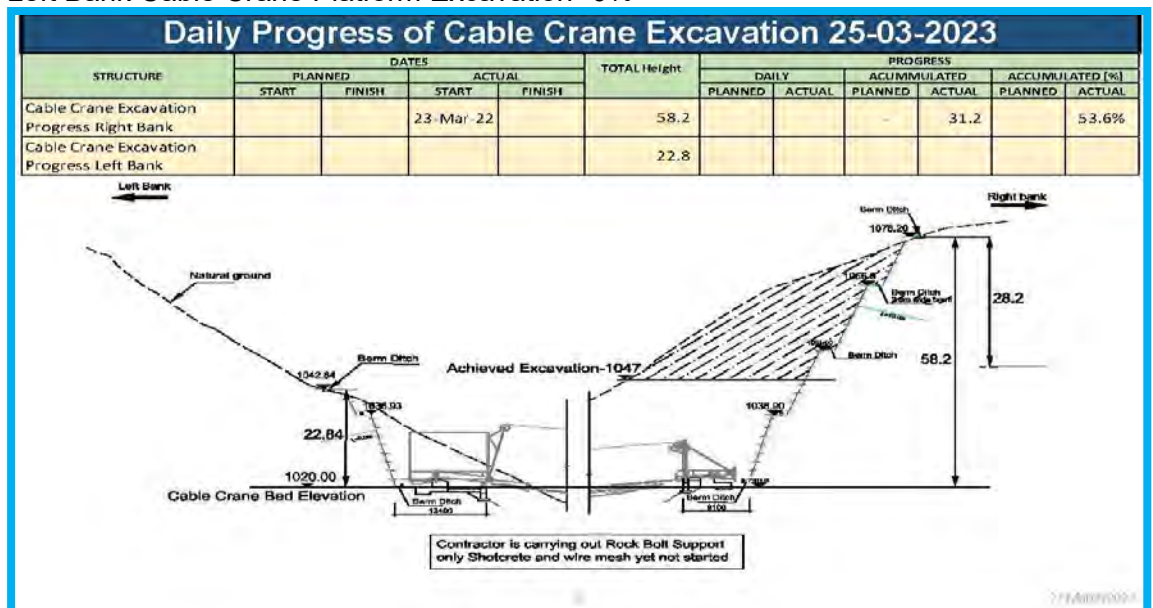
The following works related to the construction of Main Dam are in progress.

**(1) Right Bank Abutment (Siglo Area)**

- U/S Temporary Access Road Construction- 70%
- D/S Temporary Access Road Construction- 79%
- Excavation and support of Right Bank Cable crane Platform above El. 1065m- 75%
- Excavation and support of Right Bank Cable crane Platform slope El. 1065m to El. 1050m- 72%
- Excavation and support of Right Bank Cable crane Platform slope El. 1050m to El. 1035m- 10% (Now El. 1047m)

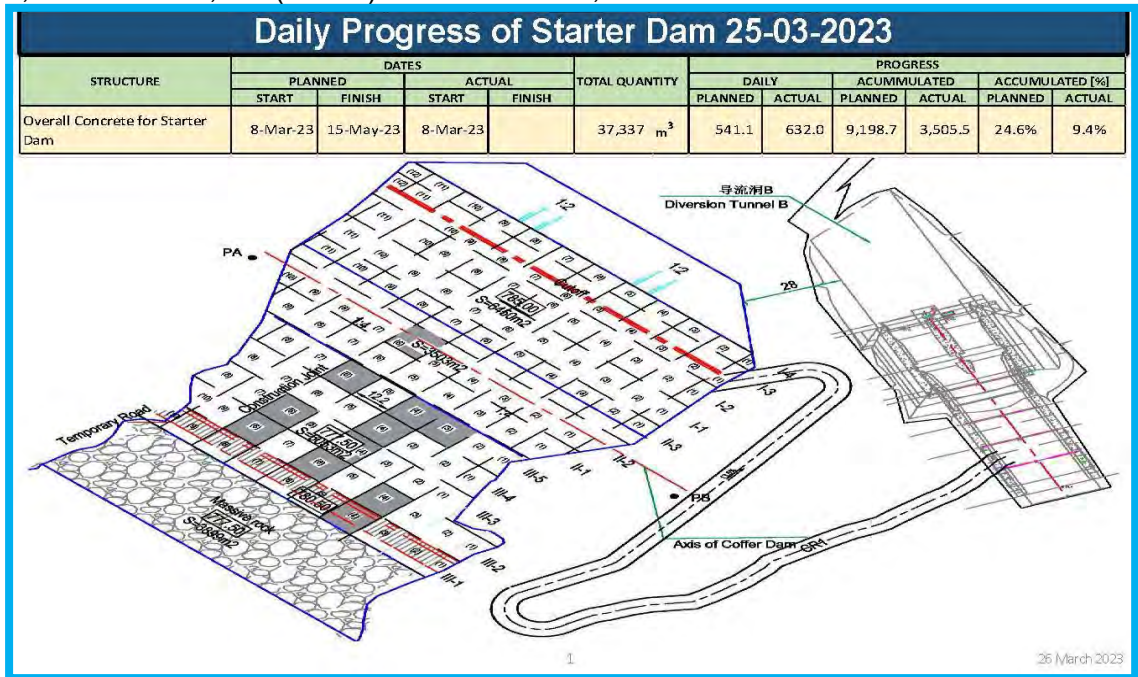
**(2) Left Bank Abutment**

- Excavation of the second layer of CR5-2 Road (1032~1018)- 100%
- Left Bank Cable Crane Platform Excavation- 0%



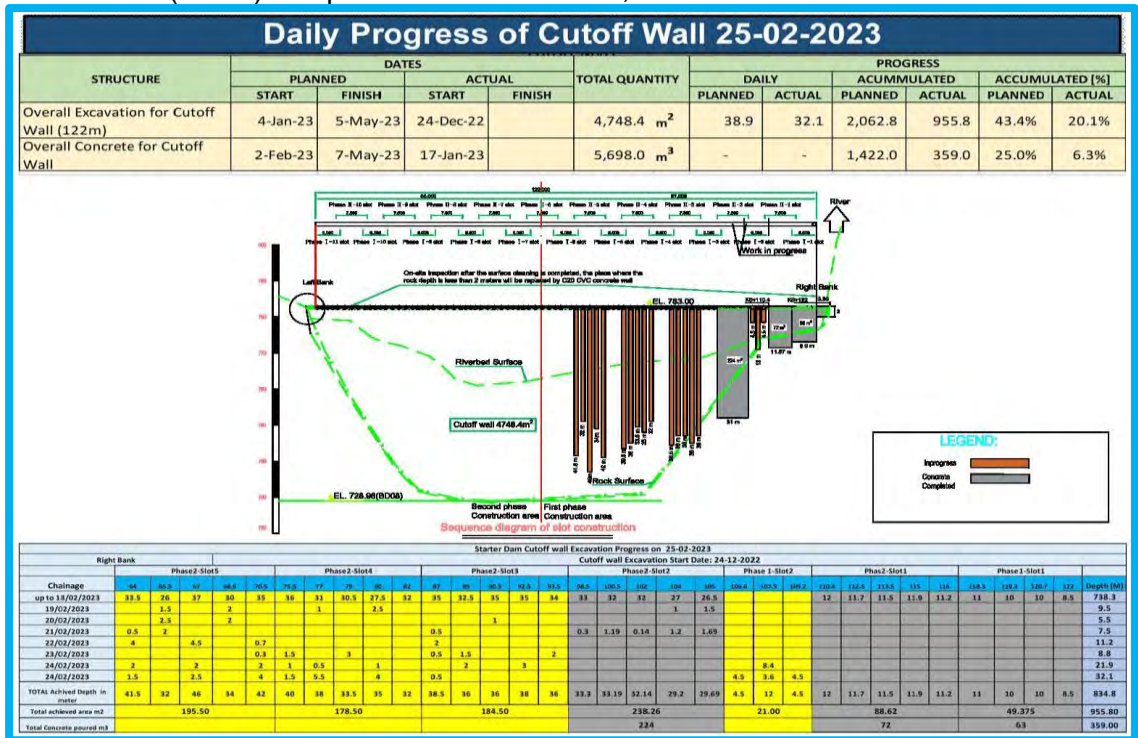
**4.6.3.5 Upstream Starter Dam Concrete Works**

- Concrete works of U/S Starter Dam started on March 8, 2023 and progress is 3,505.50m<sup>3</sup>/ 37,337 (9.40%) till end of March, 2023.



**(1) Cut-off Wall**

- Cut-off Wall Drilling started on December 24<sup>th</sup>, 2022 from the right side and remained continued during the month of January-2023. Drilling progress achieved 2184m<sup>2</sup> /4,748.40m<sup>2</sup> (46%) till end of March 2023.
- Concrete pouring for Cut off wall started on January 17, 2023 and progress is – 1438.50m<sup>3</sup>/ 4810m<sup>3</sup> (30%) till end of March, 2023
- Concrete pouring for the Guide wall of the Cut-off wall started on Dec 3<sup>rd</sup>, 2022- 122m/122m (100%) completed till end of March, 2023.



**Note:** The current excavation and concrete quantities are as per assumed rock line, the bore hole investigation to determine the actual rock line is in progress and soon it will be completed. After establishing the actual rock line the excavation and concrete quantities shall be changed

#### 4.6.4 Location wise Current Status of MW-01

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

**Table 4.21 Location wise Status (MW-01)**

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
1	CR2, CR1	Diversion tunnel inlet access road CR-1 & CR2 100% completed. Reinforcing of KKH retaining wall completed Slope protection of CR-1 along KKH completed Sedimentation tank around Adit Tunnel No. 1 & 2 completed.	Existing CR2 Eroded during flood on August 16, 2022. The Contractor recovered the CR2 road after the flood.			
2	Uchar Nallah Water Inlet	Installation of water supply pipe until dam site 100% completed on June. Intake structure 100% completed on June.	Construction of Cause way at Uchar Bridge Location remained in progress during the month of March.	No bridge available for the local traffic		The Contractor (CGGC) shall be requested for construction of bridge if FWO refuse.
3	Barseen camp	Dormitory & canteen housing finished.				
4	Pakistani Camp	Foundation Leveling: 100% Dormitory buildings : 100% , (8 dormitory houses, 1 Mosque and 1 canteen)	Backfilling and levelling work after the flood for uchar Local Labor Camp remained continued during the month of October.			
5	Uchar Chinese Labor Camp	Construction of Prefabricated house: 100% Concrete Placement: 100% Fencing Wall: 100%	Backfilling and levelling work after the flood for uchar Chinese Labor Camp remained continued during the month of October.			
6	Diversion Tunnel	<p><b>1-1# Adit tunnel</b> was completed on August 8, 2019. <b>Adit Tunnel 1.</b> Sedimentation pond started operation on October 15, 2019 <b>1-2# Adit tunnel</b> work started from 23<sup>rd</sup> September and completed at 804.6 m on April 18, 2021. <b>2# Adit tunnel</b> underground excavation finished at the end of May. Sedimentation pond operation was started on August 6, 2019. <b>3# Adit tunnel</b> underground excavation completed on 2nd April 2020. <b>3-1# Adit tunnel</b> underground excavation (244m) was completed on December 13, 2020. <b>Adit Tunnel No.3-2</b> - Adit Tunnel 3-2 (223m) started on November 28, 2022 and completed on February 6, 2023. Sedimentation pond operation was started on August 8, 2019. Retaining wall and backfill was completed during July. <b>Diversion tunnel A Inlet Surface Excavation</b> Excavation: 43,620/43,620m<sup>3</sup> (100%) open excavation completed at the end of December 2020. <b>Diversion tunnel B inlet surface excavation</b> Excavation: 41395/41395 m<sup>3</sup> (100%) open excavation completed at the end of December, 2020. <b>Underground Excavation of Diversion Tunnel</b> <b>Diversion Tunnel A</b> Underground excavation for Diversion Tunnel No. A was started on August 9th, 2019 and completed on March 7, 2023. 712,768m<sup>3</sup>/ 712,768m<sup>3</sup> (100%). <b>Diversion Tunnel B</b></p>	<p><b>Diversion Tunnel</b> <b>Diversion Tunnels</b> <b>Indus River closed on February 20, 2023 and river was diverted through Diversion Tunnel No. B. Inlet Dyke in front of Diversion Tunnel No. B was removed up till El. 775m.</b></p> <p><b>Concrete Work of Diversion and Adit Tunnels</b> <b>Diversion Tunnel A</b> <b>Inlet Structure Works (Outside)</b> - 17,758m<sup>3</sup> / 21,515m<sup>3</sup> (82.53%) completed till end of March, 2023. <b>Inlet Lining Works (Inside)</b> - Concrete Works: 10,444m<sup>3</sup> / 10,444m<sup>3</sup> (100%) completed on March 18, 2023. <b>Invert Levelling Concrete (C20)</b> - L/S- 1,427m / 1,524m (97%) - R/S- 1,524m/1,524m (100%) <b>1m Invert Structural Concrete (A25)</b> - L/S- 1,296m / 1,411.55m (92%) - R/S- 1,387m/1,411.55m (98%) <b>Outlet Structure Works</b> - Concrete Works: 1,926m<sup>3</sup> / 1,926m<sup>3</sup> (100%) completed on June 2nd, 2022. <b>Adit Plug Concrete</b> - Concrete Works: 891m<sup>3</sup>/ 1647m<sup>3</sup> (54%) completed till end of March, 2023.</p>			

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		<p>Underground excavation for Diversion Tunnel No. B was started on May 30th, 2019 and completed on January 28, 2023. 623,515m<sup>3</sup>/ 623,515m<sup>3</sup> (100%).</p> <p><b><u>Inlet dyke</u></b> Concrete: completed on July 4, 2019.</p> <p><b><u>Temporary facilities (Diversion tunnel outlet side)</u></b> Air supply station 100% Power station 100%</p> <ul style="list-style-type: none"> <li>• <b><u>Diversion Tunnel Outlet dyke Construction Works</u></b></li> <li>• <b>Concrete Works:</b> for DT-A 100% completed on June 11, 2021</li> <li>• for DT-B 100% completed on June 13, 2021</li> <li>• <b><u>Reconstruction of DT Outlet Dyke-</u></b> A Dyke completed on June 13, 2022</li> <li>• Reconstruction of DT-B Dyke completed on June 6, 2022</li> </ul> <p><b><u>DT-A Outlet Structure Concrete Works</u></b></p> <ul style="list-style-type: none"> <li>• <b>Concrete Works:</b> 1926m<sup>3</sup> / 1926m<sup>3</sup> (100%) completed on June 2<sup>nd</sup>, 2022.</li> </ul> <p><b><u>DT-B Outlet Structure Concrete Works</u></b></p> <ul style="list-style-type: none"> <li>• <b>Concrete Works:</b> 1829.20m<sup>3</sup>/ 1829.20m<sup>3</sup> (100%) completed on May 9<sup>th</sup>, 2022.</li> </ul> <p><b><u>DT.B Inlet Lining Works (Inside)</u></b></p> <ul style="list-style-type: none"> <li>• 10,054m<sup>3</sup> / 10,054m<sup>3</sup> (100%) completed on 21<sup>st</sup> December, 2022.</li> </ul> <p><b><u>DT.B Shear Zone Area Concrete Works:</u></b></p> <ul style="list-style-type: none"> <li>• 9,004m<sup>3</sup> / 9,004m<sup>3</sup> (100%) completed on 16<sup>th</sup> December, 2022.</li> </ul> <p><b><u>DT.B Inlet Structure Works (Outside)</u></b></p> <ul style="list-style-type: none"> <li>- 17,941m<sup>3</sup>/ 21,600m<sup>3</sup> (83%) completed till end of February, 2023.</li> </ul> <p><b><u>DT.B Inlet Lining Works (Inside)</u></b></p> <ul style="list-style-type: none"> <li>• 10,054m<sup>3</sup> / 10,054m<sup>3</sup> (100%) started on November 24, 2021 and completed on 21<sup>st</sup> December, 2022.</li> </ul> <p><b><u>DT.B Invert Levelling Concrete (C20)</u></b></p> <ul style="list-style-type: none"> <li>- L/S- 1,309m / 1,309m (100%)</li> <li>- R/S- 1,309m/1,309m (100%)</li> </ul> <p>Started on January 24, 2021 and completed on January 29, 2023.</p> <p><b><u>DT.B 1m Invert Structural Concrete (A25)</u></b></p> <ul style="list-style-type: none"> <li>- L/S- 1,163.52m / 1,163.52m (100%)</li> <li>- R/S- 1,163.52m/1,163.52m (100%)</li> </ul> <p>Started on April 26, 2022 and completed on February 3, 2023.</p>				

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
7	Left Bank Traffic Diversion Tunnel	Upstream Surface Excavation for Inlet Portal- 100% Excavation of the Slope for Outlet- 100% Support of the slope for outlet- 100% completed on December 14, 2022 Canopy tube drilling and installation- 100%	<b>Left Bank Traffic Diversion Tunnel</b> - Underground Excavation from U/S started on April 1, 2021 and progressed up to 1037m till end of March, 2023. - Underground Excavation from D/S started on December 15, 2022 and progressed up to Ch. 1245 (120m) till end of March, 2023. - Total U/G Excavation Progress – 1,157m/1,365 (85%)	Slow progress observed at U/G excavation. The Engineer instructed the contractor regarding the installation of ventilation system in LBTST DS side, issued the NCR-043 regarding this matter. Also instructed the Contractor to complete all the remaining support works before proceeding with the further blasting		The Engineer repeatedly instructed the Contractor to expedite the work in Progress Review meetings.
8	Steel Truss Bridge at Seo	<b>Steel Truss Bridge at Seo</b> <u>Right side Abutment construction</u> Foundation Grouting – 100% Concrete placement – 100% <u>Left side Abutment construction</u> Concrete placement – 100% Bridge Installation- 100%	In operation			
9	Left Bank Abutment (Logro Area)	- Excavation of the first layer of CR5-2 Road- 100% - Slope Excavation-100% - CR5 Pool Construction-100%	<b>Left Bank Abutment</b> - Left Bank Cable Crane Platform Excavation- 0%	Excavation for the cable crane slope protection is in progress , the excavation progress is slow due to the downside existing KKH road traffic safety hazards.		The Contractor was instructed to manage and resume this work.
10	Right Bank Abutment (Siglo Area)	- D/S Temporary Access Road Construction- 100% - Excavation and support of Right Bank Cable crane Platform above El. 1065m- 100%	<b>Right Bank Abutment (Siglo Area)</b> - U/S Temporary Access Road Construction- 70% - D/S Temporary Access Road Construction- 79% - Excavation and support of Right Bank Cable crane Platform above El. 1065m- 100% - Excavation and support of Right Bank Cable crane Platform slope El. 1065m to El. 1050m- 72% - Excavation and support of Right Bank Cable crane Platform slope El. 1050m to El. 1035m- 10% (Now El. 1047m)	Slow progress at Right Cable Crane excavation observed.		The Contractor was instructed to expedite this activity at every weekly progress meetings.
11	1# Batching Plant and 1# Crushing Plant at Uchar Area	- Civil and mechanical works completed for Batching and Crushing Plant at Uchar	<b>1# Batching Plant and 1# Crushing Plant at Uchar Area</b> - Fencing Wall- 59% - Construction of Generator's house- 95%	Improper gradation of course aggregate (high %age of elongated & flakiness particles)		The Manufacturer is trying to solve the gradation issue of course aggregate.
12	Diversion Channel on the Right Bank		No activity observed during the month of March, 2023.			
13	Uchar Tentative Crushing Plant (River side)	All civil works and installation of machines completed	In operation			
14	Tentative Batching Plant (at Logro)	All civil works and installation of machines completed	In operation			
15	Kass Camp	- Pool Construction-100% - Prefabricated house hoisting- 100% - Chinese Canteen- 100% - Installation of precast fence- 100%	The construction of Kass Main Camp is in progress. The status of the construction is as follows. - Stone Masonry for Retaining Wall-74%			
16	U/S Starter Dam	- Right & Left bank fill road to U/S coffer dam- 100%	<b>Upstream Starter Dam Concrete Works</b> Concrete works of U/S Starter Dam started on March 8, 2023 and progress is 5090.50m3/ 37,337 (13.6%) till end of March, 2023.	The current excavation and		The Contractor was instructed to expedite drilling of cut off wall



No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
			<p><b>Cut-off Wall</b></p> <ul style="list-style-type: none"> <li>- Cut-off Wall Drilling started on December 24<sup>th</sup>, 2022 from the right side and remained continued during the month of January-2023. Drilling progress achieved 2361.10m<sup>2</sup> /4,748.40m<sup>2</sup> (49.7%) till end of March, 2023.</li> <li>- Concrete pouring for Cut off wall started on January 17, 2023 and progress is – 1438.50m<sup>3</sup>/ 4810m<sup>3</sup> (30%) till end of March, 2023</li> <li>- Concrete pouring for the Guide wall of the Cut-off wall started on Dec 3<sup>rd</sup>, 2022- 122m/122m (100%) completed till end of March, 2023.</li> </ul>	concrete quantities are as per assumed rock line, the bore hole investigation to determine the actual rock line is in progress and soon it will be completed. After establishing the actual rock line the excavation and concrete quantities shall be changed		
17	Right Bank Bypass Tunnel on the right bank	-	<p><b>Right Bank Bypass Tunnel on the right bank</b></p> <ul style="list-style-type: none"> <li>➤ 1st U/G Blast at Inlet carried out on February 4, 2023 at Ch. 0+025m and progress up to Ch. 0+118m (93m) till end of March, 2023.</li> <li>➤ 1st U/G Blast at outlet carried out on February 14, 2023 at Ch. 0+528m and progress up to Ch. 0+462m (66m) till end of March, 2023.</li> <li>➤ Total underground excavation progress is 159m/ 503m (32%) till end of March, 2023.</li> </ul>	The Engineer instructed the contractor to complete all the support works before proceeding for the further blasting works, also sent the NCR-042 regarding the ventilation in RB Bypass tunnel inlet and outlet		
18	RCC Batching Plant at Siglo Area		No work observed during the month of March, 2023 due to local people stopped the work (land payment issue).	Local People stopped the work due to land payment issue.		The Employer is in negotiation with the locals for early solution of this issue.
19	RCC Crushing Plant at Siglo Area		No work observed during the month of March, 2023 due to local people stopped the work (land payment issue).	Local People stopped the work due to land payment issue.		The Employer is in negotiation with the locals for early solution of this issue.

#### 4.6.5 Summary of Varied Works of MW-01

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

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

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

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

**Table 4.22: Status of Variation Order by the Engineer**

ID	Varied Works	Latest RFP	Contractor's Latest Proposal	Engineer's Assessment	Signed VO
VO-001	Construction Roads and Platforms for Diversion Facilities	06 Mar. 2020	20 Dec. 2021	30 Dec. 2021	16 Jan 2022 PKR 967 mil.
VO-002	Adit Tunnels for Diversion Facilities	17 Jul. 2019	20 Dec. 2021	31 Dec. 2021	16 Jan 2022 PKR 1,275 mil.
VO-003	River Diversion Tunnels	29 Sep. 2020	30 Oct. 2020	21 Jan. 2021	17 Nov 2021 PKR 19,805 mil.
VO-004A	Construction of LB Traffic Diversion Tunnel	12 Feb. 2021	20 Dec. 2021	20 Dec. 2021	16 Jan 2022 PKR 1,010 mil.
VO-005	Land Lease at Purana Gao-Seo Area Phase- 1	N/A	N/A	N/A	01 July 2020 PKR 81 mil.
VO-006	Provision of Power Supply to No.1 Crushing and Batching plant	N/A	N/A	N/A	26 Sep 2022 1772 mil.

VO-007	Diversion Gates & Hoists	14 Apr 2022	2 Jan 2023	N/A	N/A
VO-008	Permanent Access Roads and Construction Access Roads in Left Bank	1 September 2022	22 Feb 2023	N/A	N/A
VO-09A	Measures for Debris Flow related to the River Diversion Tunnel	28 Feb 2023	12 Mar 2023	N/A	N/A
VO-010	Revised Downstream Cofferdam	N/A	N/A	N/A	9 March 2023 PKR 302 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	69.3	64.2	8.6	1.73	0.27	52.8	8.9

- Gantt chart and S-Curves are shown in Figure 18 and Figure 19
- Scheduled Progress of MW-01 and MW-02 have been estimated by the Engineer according granted EoTs. The Contractor must submit the revised baseline programme.

Excavation Progress in the Month of March 2023				
Date	26/02/2023	25/03/2023	Excavated Length (m)	Remarks
Location	Chainage	Chainage		
STB	0+129	0+129	0	No Activity due to ventilation issues.
TRT-01 D/S (CT-2)	1+600	1+615	15	
TRT-01 U/S (CT-2)	1+561	1+551	10	
TRT-02 D/S (CT-2)	1+651	1+668	17	
TRT-02 U/S (CT-2)	1+637	1+622	17	
ADFT Right (Enlargement)	0+054	0+054	0	No Activity due to shifting of resources to MW-01
ADFT Left (Enlargement)	0+059	0+059	0	
TRT-01 (CT-1)	0+013	0+013	0	
TRT-02 (CT-1)	0+013	0+013	0	

#### 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 on the 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.
- 1<sup>st</sup> Blasting of CR4 was executed on 17 March 2020.
- Pilot road excavation of CR4 Road was completed.
- Access road of Power Intake Protection Construction of Fence Platform for access road to Power Intake was commenced on 27th of October 2021.
- Slope protection works (wire mesh, shotcrete rock dowel) from Ch.0+070~0+240 was in progress.

##### (3) Permanent Access Road LD 7

- No Activity due to diversion of the access road to LD7 for CR-9 area access.

**(4) Khushi Batching Plant:**

- The remaining part of LD7 (1.982ha) at Khushi area was handed over on 3<sup>rd</sup> March 2020.
- Contractor submitted document for new batching plant in Khushi was submitted on 19<sup>th</sup> of February 2020 and the Engineer replied with comments on 5<sup>th</sup> of March 2020.
- Civil works for aggregate storage area have been completed on 28<sup>th</sup> 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 Underground Powerhouse Complex**

**(1) Main Access tunnel**

- Excavation and supporting works of Main Access Tunnel completed on 30<sup>th</sup> Nov. 2020 (963.50 m in total, 100.00% of total length of 963.5 m).

**(2) Main Access Platform**

- Gravity Wall Type A: Substantially completed in 22<sup>nd</sup> September 2019 (949 m<sup>3</sup> in total, 94% of design volume).
- Gravity Wall Type C: Substantially completed on 1<sup>st</sup> July 2019 (356 m<sup>3</sup> in total)
- Leaning Retaining Wall Type III: Substantially completed on 20<sup>th</sup> June 2019 (791 m<sup>3</sup> in total, 89% of design volume).
- Gravity Wall Type B: Not yet.

**(3) Surge Chamber Vault Access Tunnel**

- Excavation and supporting works started on 29 Dec 2019.
- The work progress in Mar 23: 0.0 m (518.00m in total, 97.7 % of total length of 530.0 m)
- Bench Excavation and Support of SCVAT #1 Gallery was in progress (current chainage 0+67 m (25 Jan. 2023))
- Bench Excavation and Support of SCVAT #2 Gallery was in Progress (Current chainage 0+026 m (25 Jan. 2023))
- The excavation and supporting works were suspended due to lack of ventilation system since January 2023. The bottom enlargement was in progress in March 2023 to secure additional space for ventilation system.

**(4) Service Tunnel A**

- No activity in this month.
- The excavation and supporting works were started on 20 January 2020 and substantially completed on 30 June 2021 (567 m in total, 99.5% of total length of 569.73 m)
- The invert concrete works is scheduled from Feb. 2024 (R5-D12).

**(5) Service Tunnel C**

- No activity in this month.
- The excavation and supporting works were commenced on 02 February 2020 and substantially completed on 31 Jan. 2022.
- The invert concrete works is scheduled from Dec. 2023 (R5-D12).

**(6) GIS Room Access Tunnel**

- No activity in this month.
- The excavation was commenced on 01 March 2020 and substantially completed in 20 March 29, 2023 (113m in total 98.9% of the total length of 114.18 m)

**(7) Service Tunnel B**

- The excavation and supporting works were suspended due to lack of ventilation system.
- The excavation and supporting works were commenced on 15<sup>th</sup> May 2022.
- The excavated chainage is 0+128.5m (38.86% of 330.64).

**(8) Exhaust Tunnel**

- Excavation and supporting works of the tunnel section were commenced on 14 March 2020, and completed on 8<sup>th</sup> September 2020 (217.26 m in total 100% of the total length of 217.26 m).

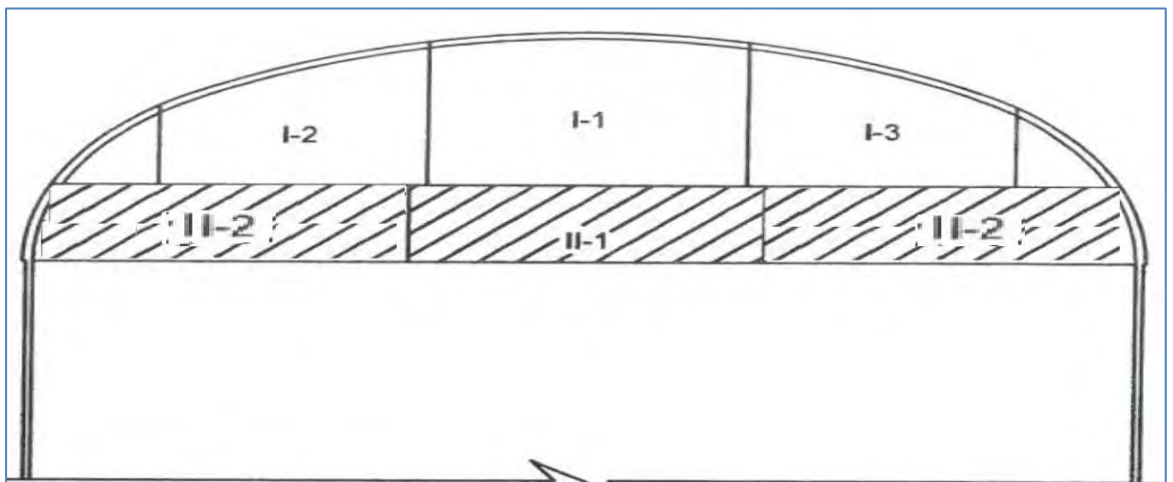
- Excavation and supporting works of the vertical shaft were commenced on 26<sup>th</sup> October 2022 and completed on 15<sup>th</sup> February 2023.

**(9) Exhaust Vertical Shaft**

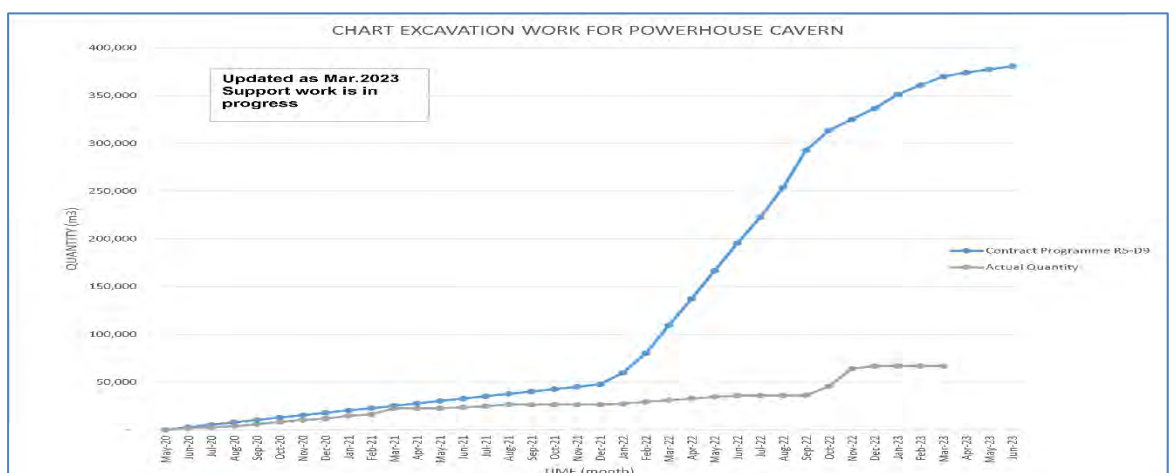
- The pilot excavation was commenced on 26-Oct-2022 and completed on 23-Nov-2022.
- The enlargement was commenced on 03-Jan-2023 and completed on 15-Feb-2023.
- Excavation and support work was suspended due to poor ventilation and lighting.

**(10) Underground Powerhouse**

- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) commenced on the 23<sup>rd</sup> May 2020.
- Pilot excavation was completed on 3<sup>rd</sup> February 2021.
- I-2 Enlargement was completed on 5<sup>th</sup> June 2022.
- I-3 Enlargement was completed on the 24<sup>th</sup> March 2022.
- Excavation for 2<sup>nd</sup> Bench Commenced on 25 Sep. 2022 and completed on 28<sup>th</sup> of November 2022.
- Total excavation volume up to the second bench is 66790.00 m3 out of total excavation volume of 378,570.46 m3, which is the progress of 17.34%
- Installation of instrumentation was in progress.
- Support Works including PS Tendon installation was in progress for the overall Crown Portion.



**Figure: Section of Powerhouse Cavern 2<sup>nd</sup> Bench**

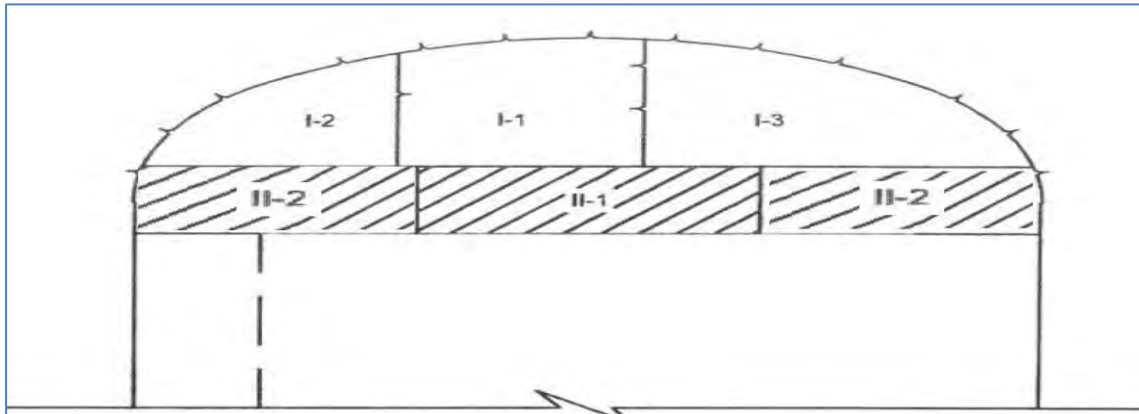


**Figure Work Progress of Powerhouse Cavern 2<sup>nd</sup> Bench**

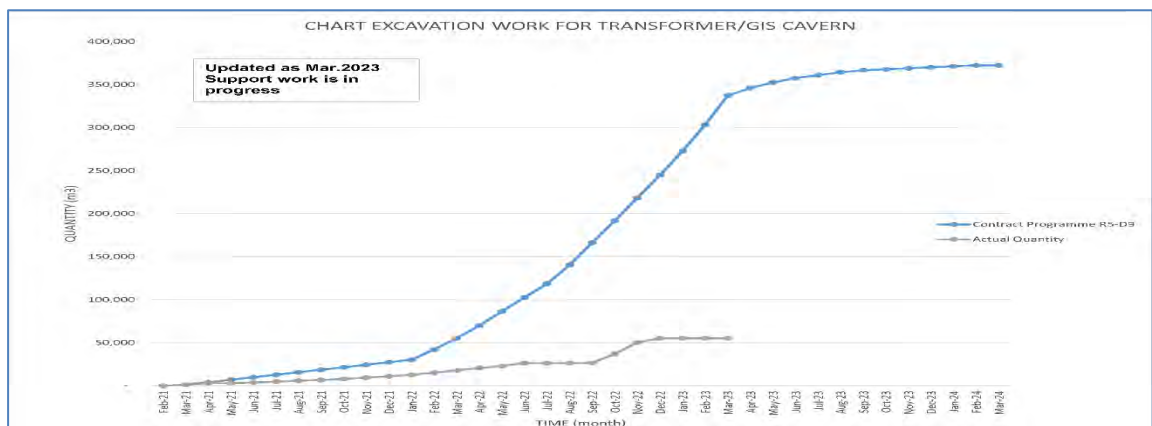
**(11) Underground Transformer Cavern**

- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) was commenced on 4<sup>th</sup> June 20.
- Pilot excavation (I-1) was completed on 25<sup>th</sup> December 2021.

- I-2 Enlargement was completed on 12<sup>th</sup> June 2022.
- I-3 Enlargement was completed on 22<sup>nd</sup> July 2022.
- Excavation for 2<sup>nd</sup> Bench Commenced on 25<sup>th</sup> Sep 2022 and completed 23<sup>rd</sup> Nov 2022.
- Total Excavation Volume up to the second bench is 55,300.7m<sup>3</sup> of total excavation volume of 234,829.30m<sup>3</sup>, which is the progress of **23.5%** in total.
- Trial tension test of PS Tendon with different bond length was completed 11<sup>th</sup> Nov 2022.
- Installation of PS Tendon was commenced on 23<sup>rd</sup> February 2023. The works of PS tendon for arch portion was in progress.



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



**Figure: Work Progress of Transformer/GIS Cavern 2<sup>nd</sup> Bench Diagram**

**(12) Drain Tunnel**

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

**(13) Connection Tunnel to Transformer Cavern**

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

**(14) Connection Tunnel to Powerhouse Cavern (From Exhaust Tunnel)**

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

**4.7.3.3 Connection Tunnel to Powerhouse Cavern (From Service Tunnel A).**

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

**4.7.3.4 Power Intake**

- Protection fence was in progress (Ditch Excavation) Surface Excavation at EL.1000m to EL980m,972m.

#### 4.7.3.5 Lower Pressure Tunnel

##### (1) Penstock Adit Tunnel No.01

- Excavation of the Penstock Adit Tunnel No.01 commenced on 12 Nov. 2020 from the Service Tunnel A and completed on 06 May 2022: (55 m in total, 100% of total length of 55.55 m).
- Excavation of the Lower pressure Tunnel #1 was Started 08 May 2022.
- The crown enlargement was No Activity due shift of all resources to other contract works (MW-01) (Current Chainage is 0+47m January 2023).

##### (2) Penstock Adit Tunnel No.02

- Tunnel excavation commenced on 23 August 2020.
- Excavation of the Penstock Adit Tunnel No.02 commenced on 23 Aug. 2020 and completed on 07 Jun. 2021 (249.24 m in total, 100 % of total length of 249.24m).
- Excavation of Lower pressure Tunnel #2 commenced on 21 May 2022.
- Lower pressure tunnel # 2 Invert Cleaning and 921m<sup>3</sup> Plug Concrete poured in Jan. 2023. The activities were suspended due to shift of all resources to other contract works (MW-01). The tunnel supporting works (steel arch installation) was resumed on 23 Mar. 2023.

#### 4.7.3.6 Tailrace Tunnel

##### (1) Upstream Adit Tunnel CT1

- Excavation/Enlargement junction with transition/tailrace & CT1 was started on 21<sup>st</sup> Jan 2023 & enlargement of CT1 section at both junctions was completed on 13<sup>th</sup> Feb 2023.

##### (2) Downstream Adit Tunnel CT2

- Excavation was completed on 19th Feb 2023 and Support work was in progress.

##### (3) Tailrace Tunnel No.1

- The excavation was commenced on 03-Feb-2023 from CT2 and 19-Feb-2023 from CT1 and excavation and support works were in progress.

##### (4) Tailrace Tunnel No.2

- The excavation was commenced on 15-Feb-2023 from CT1 and 21-Feb-2023 from CT2, and the excavation and support work were in progress.

#### 4.7.3.7 Switchyard

- The open excavation and slope protection works commenced on 14<sup>th</sup> April 2022.
- EL.958m to EL.943m 4th Bench central Portion Excavation and mucking was in progress.
- Support work on 4th bench slope (EI 950 to 940) of both left and right side was in progress.
- EI.935 Drilling for Boulder Blast.
- Removing Debris was in progress by daywork order.

#### Notes:

- The Engineer issued a day work order to install a fence along the local residential area with a blind curtain prior to land handover on 25<sup>th</sup> February 2020 to proceed with the portal work, safely.
- Fence material arrived on 9<sup>th</sup> 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 31<sup>st</sup> of Oct 2021.
- Engineer asked Contractor for Join Inspection to commence activity at Switchyard area on 2<sup>nd</sup> Dec 2021.
- Demolishing of local houses / with self-resettlement has been in progress (Dec 2021) at Switchyard Area.
- Excavation of 1st, layer/Bench was started on 14 April 2022. (InProgress)
- A meeting was held regarding the Boundary line of Switchyard and KKH Batching Plant.

#### 4.7.4 Summary of Daily Work Records of MW-02

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

#### 4.7.5 Dewatering Record

Dewatering Record during Contractor's Suspension Work- for the Month of March 2023 MW-02						
Workforce			Equipment			
Type	Location	Qty	Type	Power/Capacity	Qty	Remarks
Tech. Staff	MAT 0+370	0	Water Pump	75Kw	1	
Electrician		1				
Skilled		1				
Tech.Staff	MAT 0+510	0				
Tech.Staff		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	One Operator Visiting Different Faces	
Electrician		0		75Kw	1		
Skilled		1					
Tech.Staff		0					
Tech.Staff	PH	0	Water Pump	45Kw	1		
Electrician		0					
Skilled		1					
Tech.Staff		0					
Tech.Staff	ADFT	0	Water Pump	7.5kw	1		
Electrician		0					
Skilled		1					
Tech.Staff		0					
Tech.Staff	MAT 0+820	0	Water Pump	75Kw	1		
Electrician		1					
Skilled		1					
Tech.Staff		0					
Tech.Staff	CR-9 PowerStation	0					
Electrician		1					
Skilled		1					
Tech.Staff		0	Generator	880KVA	1		

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

##### 4.8.1 General Contract Data of LBRV-11

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

**Table 4.25: 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 4.26: 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	51.2	219.6	97.0	-	0.00	100.0	97.0

- Gantt chart and S-Curves are shown in Figure 20 and Figure 21

- The actual work progress is based on revised scope. The Contractor has submitted interim EoT-2 for LBRV11&12. The Engineer is preparing explanatory notes.

##### 4.8.3 Major Activities of LBRV-11

The following are major construction activities undertaken during this month:

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

###### ➤ Khoshe Site-01

- No activity

###### ➤ Khoshe Site-02

- No activity

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

- No activity.

##### 4.8.4 Location wise Status of LBRV-11

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

**Table 4.27: Location wise Status (LBRV-11)**

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

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
3	Uchar 01	Site is handed over to local people except Mosque on 05 <sup>th</sup> November, 2020 Mosque grey structure and boundary wall, Sewerage line & soakage pit completed	Site handover		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 4.28: General Contract Data of Dasu-LBRV-12**

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

##### 4.9.2 Progress Status of LBRV-12

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

**Table 4.29: 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	51.2	228.3	98.0	-	0.00	100.0	98.0

- Gantt chart and S-Curves are shown in Figure 22 and Figure 23
- The actual work progress is based on revised scope. The Contractor has submitted interim EoT-2 for LBRV11&12. The Engineer is preparing explanatory notes.

##### 4.9.3 Major Activities of LBRV-12

The major construction activities undertaken during this month were:

###### (1) At Nasirabad- Site-1

- No activity

###### (2) At Nasirabad- Site-2

- No activity

##### 4.9.4 Location wise Status of LBRV-12

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

**Table 4.30: Location wise Status (LBRV-12)**

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

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

##### 4.10.1 General Contract Data of PCI-01R

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

**Table 4.31: 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 4.32: 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	46.4	112.1	60.0	-	1.20	100.0	61.2

- Gantt chart and S-Curves are shown in Figure 24 and Figure 25
- The Contractor has been asked to submit revised schedule with accordance to EoT-1. The Engineer is preparing recommendation/assessment report for EoT-02

#### 4.10.3 Major Activities of PCI-01R

The major construction activities undertaken during this month were:

- Door fixing at Residence Cat -2B is in progress.
- Boundary wall masonry and plastering at residence Cat -2, Cat -2A, 2B, 2C & 2D in progress.
- Ppr and plumbing work in bath rooms at residence cat-2B, 2C and 2D in progress.
- Electrician work at 2B and 2C in progress.
- Ramp construction towards the car porch at residence Cat -2 and 2A in progress.
- Painting at residence Cat 2 and 2A in progress.
- Bathroom fixtures fixing at residence Cat -2B & 2 C in progress.
- Installation of windows aluminum at Residence Cat 2,2B and 2c in progress.
- Laying of Base course for Secondary roads s1, s2 and s3 in progress.
- Car porch concreting at residence Cat 2A & 2 B in progress.
- Block masonry at residence Cat 3 and Cat 4 in progress.
- Plastering at residence cat -3 and residence cat-4 in progress.
- Form work and reinforcing fixing for the mummies of cat 3 and cat 4 is in progress.
- Conduction of pressure tests of water supply pipes in progress.
- Sluice vales construction in progress.
- Septic tank type a construction in progress.
- Construction of storm drain along P1 road in progress.
- External boundary wall: block masonry and plastering in progress.
- Stone masonry of breast wall in progress along P1 road.

#### 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 4.33: 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 Choochang	<p><b>PROJECT OFFICE</b> Frame structure &amp; block masonry at G.F, 1st floor, 2nd floor and mummy floor is completed. Plaster work completed. Marble, ceramic and porcelain tile work completed .Alluminium work and glass fixing for windows completed. False ceiling completed. Internal painting completed .dome fixing completed .fan installation completed. Curtain wall completed. Lawn area paver fixing completed. Pavers at transport pool completed Doors completed.</p> <p><b>Residence cat-1</b> Frame structure completed .block masonry work completed. Plaster work completed .marble fixing completed. Completed. porcelain tile fixing completed Ceramics tile fixing completed .stair marble completed. Roof treatment completed. Doors completed.</p> <p><b>Residence cat 2.</b> Block masonry completed and plaster work completed. Plaster completed.</p> <p><b>Residence Cat-2A:</b> Frame structure work completed. Block masonry work and plaster work completed. Completed. plaster completed</p> <p><b>Residence Cat-2B:</b> Frame structure and block masonry work completed. plaster completed</p> <p><b>Residence Cat-2C:</b> Frame structure and block masonry completed. plaster completed</p> <p><b>Residence Cat-2D:</b></p>	<ul style="list-style-type: none"> <li>• Door fixing at Residence Cat -2B is in progress.</li> <li>• Boundary wall masonry and plastering at residence Cat -2, Cat -2A, 2B, 2C &amp; 2D in progress.</li> <li>• Ppr and plumbing work in bath rooms at residence cat-2B, 2C and 2D in progress.</li> <li>• Electrification work at 2B and 2C in progress.</li> <li>• Ramp construction towards the car porch at residence Cat -2 and 2A in progress.</li> <li>• Painting at residence Cat 2 and 2A in progress.</li> <li>• Bathroom fixtures fixing at residence Cat -2B &amp; 2 C in progress.</li> <li>• Installation of windows aluminum at Residence Cat 2,2B and 2c in progress.</li> <li>• Laying of Base course for Secondary roads s1, s2 and s3 in progress.</li> <li>• Car porch concreting at residence Cat 2A &amp; 2 B in progress.</li> <li>• Block masonry at residence Cat 3 and Cat 4 in progress.</li> <li>• Plastering at residence cat -3 and residence cat-4 in progress.</li> </ul>			

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
		Frame structure and block masonry completed. plaster completed <b>Cat-3A:</b> Frame structure completed except mummy <b>Cat-3B:</b> Frame structure completed except mummy <b>Cat-3D:</b> Frame structure completed except mummy <b>Cat-4A:</b> Frame structure completed except mummy <b>Cat-4C:</b> Frame structure completed except mummy <b>P1 Road-</b> RCC retaining Wall concrete, backfilling and stone masonry parapet wall is completed. Concrete pavement completed. <b>Hostel cat 2 A&amp; 2B</b> Frame structure completed .block masonry completed .plaster completed.	<ul style="list-style-type: none"> <li>Form work and reinforcement fixing for the mummies of cat 3 and cat 4 is in progress.</li> <li>Conduction of pressure tests of water supply pipes in progress.</li> <li>Sluice vales construction in progress.</li> <li>Septic tank type a construction in progress.</li> <li>Construction of storm drain along P1 road in progress.</li> </ul> External boundary wall: block masonry and plastering 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 4.34: 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 4.35: 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	45.5	253.3	62.0	-	0.60	100.0	62.6

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

- The Contractor shall submit updated programme and revised EoT for the PM's review and approval. The actual work progress is based on revised scope.

##### 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

- Block masonry at Mosque is in progress.
- Stone masonry for breast wall in progress.

###### (3) Kuz Choochang Site Upper & Lower Portions

- Stone masonry retaining wall in progress.

###### (4) Choochang Site 2 & 3

- No activity

###### (5) Shatial Rock Carving Site

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

#### 4.11.4 Location wise Status of Dasu RV

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

**Table 4.36: 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 <sup>th</sup> November, 2020 Stone masonry & back filling of retaining wall at lower side of septic tank is completed	No activity.	Nil	Nil	Nil
3	Choochang-1	Excavation of Brest wall for slope protection, excavation of Relocated plots, retaining wall and excavation of Mosque retaining wall is completed.	-Mosque structure work is in progress. -RCC retaining wall construction in progress. -stone masonry breast wall in progress.	Punch list work is remaining.	Nil	Nil
4	Choochang-2	Nil	Not yet started	Work stopped due to non-availability of Access road land.	Access is required	Nil
5	Choochang-3	Nil	Not yet started	Work stopped due to non-availability of Access road land.	Access is required	Nil
6	KUZ Choochang lower portion & upper portion	Excavation for plot is completed at lower Kuz Choochang	- Stone masonry retaining wall in progress.	Nil	Nil	PAR is decided and Layout drawing issued to the Contractor for the shop drawing

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

##### 4.12.1 General Contract Data of EM-01

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

**Table 4.37: 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 4.38: 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	34.4	56.4	6.9	0.85	0.20	16.4	7.1

- Gantt chart and S-Curves are shown in Figure 28 and Figure 29

##### 4.12.3 Major Activities of EM-01 (Civil Works)

###### 4.12.3.1 Preparatory Work

- Land was handed over on the 9<sup>th</sup> of April 2022.

###### 4.12.3.2 Construction Activities

###### (1) Excavation:

- Excavation of Terrace No 15 and Terrace No. 16 was in Progress.

###### (2) Boundary Wall:

- Excavation from CP14 to CP15 in Progress
- Lean concrete from CP14 to CP15 in Progress

- Block masonry/ Plinth Beam (RCC) CP6 to CP15 in Progress.
  - Block masonry/Plinth Beam (RCC) was in progress: CP6TO CP15 was in progress.
- (3) Retaining Walls/Stone Masonry**
- Compaction of Terrace No 6, and 15 in Progress.
  - Lean Concrete of Terrace No 6, and 15 in Progress.
  - Stone Masonry of Terrace No 6, and 15 in Progress.
- (4) HSE Work:**
- Safety Training was conducted for workers at site.
  - Morning TBT was conducted on site.
- (5) Watch Towers:**
- Excavation for watchtower was completed.
  - Foundation Concrete and Concrete Structure was completed.
  - Block Masonry Completed: Nil
  - Changes as per Engineer/Wapda Instruction: yet to be done.
- (6) Under Construction Buildings in March, 2023.**
- Security Building
  - Office Building
  - Residency Building

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

Location	Total Cut Volume M <sup>3</sup>	Total Fill Volume M <sup>3</sup>	Total Cut Volume M <sup>3</sup> Jan 2023	Total Fill Volume M <sup>3</sup> Jan 2023	Cut Volume M <sup>3</sup> in Jan 2023	Fill Volume M <sup>3</sup> In Jan 2023	Cut (%)	Fill (%)
Kass Camp/ Civil Work	89,441.9	58,176	86536.05	57580	12000	0.00	96.75	99.6

Volumetric cut and fill. (96.75 / 99.6)

**4.12.4 Equipment Detail**

S/No.	Description	Type	Quantity	Remarks
1	Excavator Volvo	Tyre	01	
2	Excavator Hitachi	Chain	01	
3	Excavator Hitachi	Chain	01	
4	Excavator Doosan	Chain	01	
5	Dozer	Chain	01	
6	Tractor	Tyre	02	
7	Water Bowser	Tyre	02	
8	Concrete Mixer	Automated	02	
9	Pick up	Suzuki	02	
10	Car	Corolla	01	
11	Dumper	Tyre	01	
12	Transit Mixer	Tyre	01	
12	Lifter Machine	Tyre	01	
14	Total Station	Nikon	01	
<b>B</b>	<b>Manpower</b>			
1	Site Manager		01	
2	Civil Engineer		03	
3	Site Supervisor		01	
4	Forman		03	
5	Surveyor		01	
6	Survey Assistant		01	
7	Excavator Operator		04	
8	Excavator Operator Helper		02	
9	Dozer Operator		01	
10	Driver		04	
11	Skilled Labor		23	
12	Unskilled Labor		34	
13	Watch Man		04	
14	Flagman		01	

**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:



**Status of Invoices Submitted and Payments Received From WAPDA**

Total Contract Amount			JPY	EURO	PKR					
			3,765,402,844	8,628,984	2,726,702,454					
Sr. No.	Inv. No.	Description	Submitted To Wapda			Payments Received From WAPDA *				
			Date	JPY	EURO	PKR	Date	JPY	EURO	PKR
1		Mobilization Advance	0	0	0	10.04.2015	284,715,484	777,495	167,799,158	
2	001	Aug-14	06.03.2015	8,405,708	150	16,562,851		0	0	0
3	002	Sep-14	06.03.2015	11,922,037	150	18,508,898		0	0	0
4	003	Oct-14	06.03.2015	22,629,091	150	18,580,716		0	0	0
5	004	Nov-14	16.03.2015	27,598,424	29,849	27,713,464		0	0	0
6	005	Dec-14	18.03.2015	25,234,974	28,994	20,594,485		0	0	0
7	006	Jan-15	24.03.2015	12,711,871	16,375	29,801,646		0	0	0
8	007	Feb-15	30.03.2015	12,841,559	32,919	19,037,857		0	0	0
9	008	Mar-15	19.06.2015	21,055,679	44,401	29,446,228		0	0	0
10	009	Apr-15	19.06.2015	26,370,102	22,116	25,287,607		0	0	0
11	010	May-15	19.06.2015	19,567,111	45,421	28,157,418		0	0	0
12	011	Jun-15	27.07.2015	18,599,162	57,684	29,568,830		0	0	0
13	012	Jul-15	20.08.2015	11,939,864	39,018	28,833,478		0	0	0
14	013	Aug-15	23.09.2015	11,447,313	66,020	34,179,554		0	0	0
15	014	Sep-15	20.10.2015	15,648,775	61,828	29,842,901		0	0	0
16	015	Oct-15	23.11.2015	18,420,095	57,607	53,248,321	29.02.2016	0	0	5,751,295
17	016	Nov-15	21.12.2015	23,367,864	53,589	29,564,237	03.02.2016	0	0	9,211,398
18	017	Dec-15	25.01.2016	18,530,461	43,902	29,012,517	29.02.2016	0	0	9,475,900
19	018	Jan-16	26.02.2016	23,422,910	59,880	46,873,375	28.03.2016	0	0	13,388,161
20	018-R**	From Aug 2014 to Dec 2015	24.03.2016	0	0	40,964,475	12.04.2016	0	0	15,759,401
21	019	Feb-16	31.03.2016	20,078,687	48,599	28,361,112	18.05.2016	0	0	10,076,078
22	019-R***	From Aug 2014 to Jan 2016	07.04.2016	0	0	12,023,529	18.05.2016	0	0	1,481,194
23	020	Mar-16	22.04.2016 Resubmitted on 30.06.2016	23,432,735	58,393	25,971,654	19.07.2016	0	0	12,581,502
24	021	Apr-16	20.05.2016 Resubmitted on 28.07.2016	18,431,384	58,223	24,185,560	08.09.2016	0	0	14,436,817
25	022	May-16	20.06.2016 & PKR resubmitted on 22/09/2016	17,749,931	43,655	30,528,705	07.10.2016 & JPY & EURO 27.02.2017	7,057,385	0	19,625,266
26	Final Supplementary Invoice	For the month of July 2013, June 2014 & July 2014 Assignment-A	29.06.2016	3,818,324	2,742		JPY 27.12.2016 & EURO 03.01.2017	2,432,327	1,717	
27	Final Supplementary Invoice	From Sep 2011 to July 2014 Assignment-A	11.07.2016			47,341,439	23.11.2016	0	0	14,855,888
28	023	Jun-16	26.07.2016 & PKR submitted on 09/09/2016	19,139,749	36,433	27,473,100	11.11.2016 & JPY & EURO 27.02.2017	14,345,806	0	17,670,947
29	Arrears of Escalation	From Oct 2015 to Apr 2016	28.07.2016	0	0	1,355,438	07.10.2016	0	0	413,116
30	024	Jul-16	24.08.2016 & PKR submitted on 31/10/2016	20,944,715	61,067	24,665,984	30.12.2016 & JPY & EURO 27.02.2017	16,193,143		15,846,067
31	025	Aug-16	28.09.2016 & PKR Submitted on 19/12/2016	28,898,700	59,162	21,740,830	06.03.2017 & JPY & EURO 27.02.2017	22,370,210	15,264	18,538,901
32	026	Sep-16	25.10.2016 & PKR Submitted on 12.01.2017	20,457,552	33,105	32,972,027	06.03.2017 & JPY & EURO 27.02.2017	15,933,806	25,748	29,723,302
33	027	Oct-16	06.12.2016 & PKR 14.02.2017	14,676,229	56,107	22,391,491	JPY & EURO 27.02.2017 & PKR 10.04.2017	11,298,749	44,624	17,951,057
34	028	Nov-16	12.01.2017 & PKR Submitted on 22.03.2017	17,010,852	52,349	22,566,949	JPY 03.04.2017 & EURO 20.04.2017 & PKR 24.04.2017	13,561,713	41,752	17,202,754
35	001S to 005S	From Aug 2014 to Dec 2014	17.01.2017	35,021,686	16,190	50,871,653	19.06.2017 & Remuneration JPY 19.01.2018	9,296,144		25,721,225
36	006S to 011S	From Jan 2015 to Jun 2015	23.01.2017 & JPY & EURO on 24.01.2017	36,756,702	69,748	85,353,118	PKR Remuneration 19.06.2017 & PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & EURO Remuneration 29.01.2018	6,660,958	10,515	52,016,281
37	PST	Claimed PST Withheld from Assignment-B Invoices from Aug 2014 to Jul 2016	03.02.2017			61,313,933	17.01.2017 & 13.02.2017			61,313,933
38	012S to 017S	From Jul 2015 to Dec 2015	JPY & EURO 03.02.2017 & PKR 06.02.2017	36,713,717	83,680	93,151,635	PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & PKR Remuneration 15.11.2018	10,508,656		54,091,709
39	PST	Claimed PST withheld from Assignment-A Invoices	03.02.2017			5,399,488	PKR Remuneration & Reimbursable 04.02.2019			4,927,884
40	029	Dec-16	09.02.2017 & PKR 18.04.2017	9,687,563	45,912	24,460,842	JPY 03.04.2017 & EURO 20.04.2017 & PKR 17.05.2017	7,767,335	37,719	17,535,952
41	018S to 026S	From Jan 2016 to Sept 2016	22.02.2017 & PKR 13.04.2017	53,959,508	118,420	72,655,226	Jan 2016 & Feb 2016 PKR Reimbursable 19.10.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 15.11.2018 & PKR Remuneration (Arrears of Escalation) 15.11.2018 & PKR Remuneration 11.04.2019	3,249,301		21,244,401
42	030	Jan-17	13.03.2017 & PKR 09.06.2017	11,265,956	43,684	27,832,378	JPY 10.04.2017 & EURO 24.04.2017 & PKR 17.07.2017	8,584,183	35,142	23,123,731
43	031	Feb-17	28.04.2017 & PKR 29.06.2017	11,051,050	54,667	24,625,784	07.06.2017 & 08.06.2017 & PKR Remuneration 27.07.2017 & PKR Reimbursable 06.09.2017	8,685,804	43,511	18,200,721
44		Topographical Survey & Geological Investigations & Tax on Reimbursable Assignment-A	03.05.2017			13,642,099				
45	032	Mar-17	11.05.2017 & PKR 19.07.2017	15,970,258	51,375	25,592,856	07.06.2017 & 08.06.2017 & PKR Remuneration 06.09.2017 & PKR Reimbursable 28.11.2017	12,524,914	41,337	18,351,490

Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,984	2,726,702,454				
46	033	Apr-17	01.06.2017 & PKR 23.08.2017	12,781,338	26,299	26,070,330	JPY 17.08.2017 & EURO 28.08.2017 & PKR Remuneration 19.10.2017 & PKR Reimbursable 21.12.2017	10,404,229	21,503	18,834,526
47	034	May-17	EURO 23.06.2017 & JPY 29.06.2017 & PKR Remuneration 14.09.2017 & PKR Reimbursable 18.09.2017	39,936,930	55,715	27,133,610	Remuneration JPY 17.08.2017 & EURO 28.08.2017 & Remuneration PKR 14.11.2017 & Reimbursable PKR 28.11.2017 & Reimbursable JPY 19.01.2018 & EURO Reimbursable 29.01.2018	32,079,999	44,725	18,701,410
48	035	Jun-17	11.08.2017 & PKR 09.10.2017	18,594,227	48,854	28,277,373	PKR Remuneration 21.12.2017 & PKR Reimbursable 24.01.2018 & JPY & EURO 07.03.2018	14,869,448	39,543	17,561,796
49	036	Jul-17	13.09.2017 & PKR 06.11.2017	18,438,264	37,553	25,611,161	PKR Remuneration 21.12.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 24.01.2018 & EURO Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018	13,544,246	30,480	15,695,688
50	037	Aug-17	05.10.2017 & PKR Remuneration 06.12.2017 & PKR Reimbursable 07.12.2017	22,283,721	39,071	26,800,350	Remuneration JPY 19.01.2018 & PKR Remuneration 24.01.2018 & EURO Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018	13,524,337	31,475	13,785,805
51	038	Sep-17	30.11.2017 & PKR 11.12.2017	25,275,450	55,319	36,272,828	PKR Remuneration 24.01.2018 & JPY Remuneration 02.02.2018 & EURO Remuneration 06.02.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018	16,737,519	39,192	29,029,316
52	039	Oct-17	18.12.2017 & PKR Remuneration 12.01.2018 & PKR Reimbursable 26.01.2018	30,965,060	48,541	24,755,246	JPY & EURO 07.03.2018 & PKR 07.03.2018	21,993,304	22,394	15,289,782
53	040	Nov-17	28.12.2017 & PKR Remuneration 02.02.2018 & Reimbursable 07.02.2018	24,890,298	41,738	24,452,117	JPY & EURO 07.03.2018 & PKR 27.03.2018	17,614,630	21,997	15,454,332
54	041	Dec-17	26.01.2018 & PKR Remuneration 06.03.2018 & Reimbursable 30.03.2018	26,066,347	76,887	40,807,244	JPY & EURO 07.03.2018 & PKR 25.05.2018	16,523,377	39,755	32,281,427
55	042	Jan-18	23.02.2018 & PKR Remuneration 13.03.2018 & Reimbursable 23.04.2018	24,236,376	63,218	58,859,377	JPY 26.03.2018 & EURO 27.03.2018 & PKR Remuneration 25.05.2018 & PKR Reimbursable 21.06.2018	14,993,551	35,810	17,564,044
56	043	Feb-18	30.03.2018 & PKR Remuneration 19.04.2018 & Reimbursable 21.05.2018	28,152,289	54,667	28,490,928	JPY 23.05.2018 & EURO 24.05.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 18.07.2018	19,670,980	43,511	17,650,847
57	044	Mar-18	PKR Remuneration 25.04.2018 & JPY & EURO 30.04.2018 & PKR Reimbursable 30.05.2018	36,295,537	52,761	29,253,565	JPY 19.06.2018 & EURO 20.06.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 13.08.2018	25,775,591	42,328	16,065,238
58	045	Apr-18	PKR Remuneration 01.06.2018 & JPY & EURO 14.06.2018 & PKR Reimbursable 16.07.2018	32,505,357	52,709	35,840,584	PKR Remuneration 18.07.2018 & JPY 30.07.2018 & EURO 31.07.2018 & PKR Reimbursable 10.09.2018	21,316,744	42,276	21,301,930
59	025S to 029S	From Aug 2016 to Dec 2016 Supplementary	PKR Reimbursable 22.06.2018			1,275,354	PKR Reimbursable 15.11.2018			1,151,599
60	030S to 035S	From Jan 2017 to Jun 2017 Supplementary	PKR Reimbursable 22.06.2018			22,576,668	PKR Reimbursable 20.02.2019			20,675,144
61	036S to 041S	From Jul 2017 to Dec 2017 Supplementary	PKR Reimbursable 22.06.2018			11,466,211	PKR Reimbursable 20.02.2019			11,043,683
62	046	May-18	PKR Remuneration 25.06.2018 & JPY & EURO 06.07.2018 & PKR Reimbursable 27.07.2018	32,008,847	46,592	30,724,047	PKR Remuneration & Reimbursable 10.09.2018 & JPY 13.09.2018 & EURO 14.09.2018	21,610,245	37,674	12,938,115
63	047	Jun-18	JPY & EURO 06.08.2018 & PKR Remuneration 07.08.2018 & PKR Reimbursable 31.08.2018	35,266,862	55,283	28,514,236	JPY & EURO 26.09.2018 & PKR Remuneration & Reimbursable 16.10.2018	25,217,683	44,127	10,704,248
64	048	Jul-18	PKR Remuneration 30.08.2018 & JPY & EURO 05.09.2018 & PKR Reimbursable 09.10.2018	32,147,418	45,864	31,146,584	PKR Remuneration 16.10.2018 & PKR Reimbursable 11.12.2018 & JPY & EURO 17.12.2018	21,964,368	37,099	10,408,872
65	049	Aug-18	JPY & EURO 25.09.2018 & PKR Remuneration 11.10.2018 & PKR Reimbursable 07.11.2018	25,432,383	39,014	29,369,478	PKR Remuneration 15.11.2018 & JPY & EURO 17.12.2018 & PKR Reimbursable 18.01.2019	17,212,308	31,374	11,224,532
66	050	Sep-18	JPY & EURO 08.11.2018 & PKR Remuneration 08.11.2018 & PKR Reimbursable 11.12.2018	39,850,521	53,658	28,933,129	PKR Remuneration 11.12.2018 & JPY & EURO 17.01.2019 & PKR Reimbursable 18.01.2019	30,044,462	43,062	10,047,290
67	025S to 031S	From Oct 2016 to Apr 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY 13.12.2018 & JPY resubmitted on 24.04.2019	1,116,215		8,259,285	PKR Remuneration 11.04.2019 & JPY 17.07.2019	802,442		6,175,779
68	034S to 041S	From May 2017 to Dec 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY & EURO 13.12.2018 & JPY & EURO resubmitted on 25.04.2019	22,029,176	68,384	23,991,175	PKR Remuneration 11.12.2018 & JPY & EURO 17.07.2019	17,327,640	55,071	18,445,696
69	040S to 048S	From Nov 2017 to Jul 2018 Supplementary	PKR Remuneration & Reimbursable 20.11.2018 & JPY & EURO 13.12.2018 & PKR resubmitted on 28.03.2019. JPY & EURO resubmitted on 07.05.2019.	25,644,843	18,643	104,355,765	PKR Reimbursable 29.05.2019 & PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019	19,999,819	15,119	84,652,061
70	Arrears of Escalation	From Oct 2017 to May 2018	PKR Remuneration 23.11.2018			4,035,216	PKR Arrears of Escalation 11.04.2019			1,271,759
71	051	Oct-18	JPY & EURO 04.12.2018 & PKR Remuneration 19.12.2018 & Reimbursable 31.01.2019	40,454,707	75,582	31,586,089	JPY & EURO 17.01.2019 & PKR Remuneration 20.02.2019 & PKR Reimbursable 14.03.2019	28,889,800	61,067	10,333,221
72	052	Nov-18	JPY & EURO 01.01.2019 & PKR Remuneration 02.01.2019 & Reimbursable 08.02.2019	41,317,140	85,200	29,612,815	PKR Remuneration 20.02.2019 & JPY 28.02.2019 & EURO 01.03.2019 & PKR Reimbursable 14.03.2019	29,887,757	49,817	9,027,308
73	Arrears of Escalation	Oct-18	PKR Remuneration 11.01.2019			739,718	PKR Arrears of Escalation 14.05.2019			154,889
74	053	Dec-18	PKR Remuneration 15.01.2019 JPY & EURO 11.02.2019 & PKR Reimbursable 26.03.2019	31,942,910	101,849	32,553,105	JPY 26.03.2019 & EURO 27.03.2019 & PKR Remuneration 11.04.2019 & PKR Reimbursable 14.05.2019.	22,385,178	59,806	20,237,682
75	054	Jan-19	PKR Remuneration 19.02.2019 JPY & EURO 26.02.2019 & PKR Reimbursable 10.05.2019	21,550,814	85,536	34,254,443	PKR Remuneration 14.03.2019 & JPY 26.03.2019 & EURO 27.03.2019 & PKR Reimbursable 25.07.2019.	17,201,786	53,092	21,134,328
76	055	Feb-19	PKR Remuneration 04.04.2019 & JPY & EURO 09.04.2019 & PKR Reimbursable 22.05.2019	33,275,362	109,185	30,115,175	JPY 10.05.2019 & EURO 13.05.2019 & PKR Remuneration 14.05.2019 & PKR Reimbursable 25.07.2019.	26,050,980	86,872	26,465,134
77	049S to 052S & 054S	From Aug 2018 to Nov 2018 & Jan 2019 Supplementary	PKR Remuneration 11.04.2019 PKR & Reimbursable 15.04.2019 & JPY & EURO 29.05.2019.	22,845,819	50,546	95,850,188	PKR Remuneration 29.05.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	18,077,618	40,589	82,621,973
78	056	Mar-19	PKR Remuneration 30.04.2019 & JPY & EURO 15.05.2019 & PKR Reimbursable 27.06.2019	28,469,007	110,927	32,011,879	PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	21,481,129	88,781	28,304,851

Total Contract Amount				JPY	EURO	PKR						
				<b>3,765,402,844</b>	<b>8,628,984</b>	<b>2,726,702,454</b>						
79	057	Apr-19	PKR Remuneration 24.05.2019 & JPY & EURO 17.06.2019 & PKR Reimbursable 12.07.2019	32,083,700	100,912	45,226,298	JPY & EURO 19.07.2019 & PKR Remuneration 05.08.2019 & PKR Reimbursable 18.09.2019	25,621,145	80,992	35,201,624		
80	058	May-19	PKR Remuneration 29.06.2019 & JPY & EURO 09.07.2019 & PKR Reimbursable 19.07.2019	48,913,348	104,280	40,084,902	PKR Remuneration 05.08.2019 & JPY & EURO 07.08.2019 & PKR Reimbursable 31.10.2019	38,792,523	84,037	36,049,192		
81	059	Jun-19	PKR Remuneration 26.07.2019 & PKR Reimbursable 05.08.2019 & JPY & EURO 11.09.2019	41,230,758	107,592	35,881,227	PKR Remuneration 18.09.2019 & PKR Reimbursable 31.10.2019 & JPY & EURO 21.11.2019	31,909,521	76,287	31,366,838		
82	Arrears of Escalation	Oct-2018 Supplementary	PKR Remuneration 19.08.2019			538,449	PKR Remuneration 31.10.2019			414,169		
83	060	Jul-19	PKR Remuneration 06.09.2019 & JPY & EURO 17.09.2019 & PKR Reimbursable 25.09.2019	41,502,491	140,944	50,840,724	PKR Remuneration 31.10.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 03.12.2019	31,563,206	90,943	43,128,562		
84	053S	Dec-2018 Supplementary	PKR Remuneration 30.09.2019			11,476,907	PKR Remuneration 03.12.2019			8,799,116		
85	061	Aug-19	PKR Remuneration 30.09.2019 & JPY & EURO 23.10.2019 & PKR Reimbursable 26.10.2019	37,231,310	89,562	42,727,013	PKR Remuneration 03.12.2019 & JPY & EURO Remuneration 09.01.2020 & PKR Reimbursable 07.02.2020 & JPY & EURO Reimbursable 28.02.2020	29,041,127	73,021	35,430,131		
86	062	Sep-19	PKR Remuneration 13.11.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 29.11.2019	38,733,736	129,812	43,387,882	PKR Remuneration 14.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	30,883,076	103,716	34,600,721		
87	063	Oct-19	PKR Remuneration 29.11.2019 & JPY & EURO 03.12.2019 & PKR Reimbursable 31.12.2019	31,086,208	135,856	50,181,714	PKR Remuneration 24.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	24,793,910	108,677	41,393,909		
88	054S to 060S	From Jan 2019 to Jul 2019 Supplementary	JPY & EURO 09.12.2019	5,092,138	60,974		Reimbursable JPY 28.04.2020 & Reimbursable EURO 30.04.2020 & JPY & EURO Remuneration 15.05.2020	3,353,531	49,458			
89	064	Nov-19	PKR Remuneration 20.12.2019 & JPY & EURO 07.01.2020 & PKR Reimbursable 10.01.2020	45,807,870	115,222	43,571,960	JPY & EURO 28.02.2020 & PKR Remuneration 18.03.2020 & PKR Reimbursable 04.05.2020	36,488,385	94,006	34,852,280		
90	065	Dec-19	PKR Remuneration 23.01.2020 & JPY & EURO 29.01.2020 & PKR Reimbursable 10.03.2020	40,957,503	141,050	58,976,694	JPY & EURO 11.03.2020 & PKR Remuneration 08.04.2020 & PKR Reimbursable 10.06.2020	32,462,083	113,144	50,261,213		
91	Arrears of Escalation	From Oct 2019 to Nov 2019	PKR Remuneration 31.01.2020			5,266,917	PKR Arrears of Escalation 14.04.2020			4,044,354		
92	066	Jan-20	PKR Remuneration 24.02.2020 & JPY & EURO 09.03.2020 & PKR Reimbursable 27.04.2020	35,922,505	146,378	52,379,808	PKR Remuneration 02.04.2020 & JPY & EURO 15.05.2020 & PKR Reimbursable 06.07.2020	28,616,260	117,384	46,172,804		
93	067	Feb-20	PKR Remuneration 18.03.2020 & JPY & EURO 07.04.2020 & PKR Reimbursable 09.06.2020	38,743,766	158,284	50,877,843	PKR Remuneration 04.05.2020 & JPY & EURO 25.06.2020 & PKR Reimbursable 03.08.2020	28,986,611	126,019	44,233,452		
94	068	Mar-20	PKR Remuneration 28.04.2020 & JPY & EURO 05.05.2020 & PKR Reimbursable 15.07.2020	45,523,859	160,795	56,498,786	JPY & EURO 02.07.2020 & PKR Remuneration 03.08.2020 & PKR Reimbursable 02.11.2020	33,489,540	123,560	49,674,390		
95	069	Apr-20	PKR Remuneration 22.06.2020 & JPY & EURO 07.07.2020 & PKR Reimbursable 25.08.2020	36,087,897	165,010	52,033,891	PKR Remuneration 03.08.2020 & JPY 07.08.2020 & EURO 10.08.2020 & PKR Reimbursable 02.11.2020	26,950,173	131,521	45,136,180		
96	070	May-20	PKR Remuneration 23.06.2020 & JPY & EURO 08.07.2020 & PKR Reimbursable 10.09.2020	29,407,988	165,664	51,755,642	PKR Remuneration 17.09.2020 & JPY 28.09.2020 & EURO 25.09.2020 & PKR Reimbursable 28.10.2020	21,116,812	89,725	43,199,160		
97	071	Jun-20	PKR Remuneration 19.08.2020 & JPY & EURO 21.08.2020 & PKR Reimbursable 29.09.2020 resubmitted on 15.12.2020	32,122,120	165,190	49,538,690	PKR Remuneration 02.11.2020 & JPY & EURO 02.12.2020 & PKR Reimbursable 20.01.2021	25,263,288	131,721	40,122,417		
98	072	Jul-20	PKR Remuneration 31.08.2020 & JPY & EURO 08.09.2020 & PKR Reimbursable 23.10.2020 resubmitted on 15.12.2020	32,771,320	103,073	56,796,363	PKR Remuneration 02.11.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 24.02.2021	25,931,960	84,063	44,997,291		
99	073	Aug-20	PKR Remuneration 25.09.2020 & JPY & EURO 30.09.2020 & PKR Reimbursable 31.12.2020	34,054,161	121,793	55,615,127	PKR Remuneration 28.10.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 08.03.2021	26,896,979	98,976	46,537,554		
100	074	Sep-20	PKR Remuneration 19.10.2020 & JPY & EURO 21.10.2020 & PKR Reimbursable 08.02.2021 resubmitted on 25.03.2021	38,528,252	165,010	56,635,346	JPY & EURO 17.12.2020 & PKR Remuneration 21.12.2020 & PKR Reimbursable 03.05.2021	30,758,356	131,541	49,292,375		
101	061S to 070S	From Aug 2019 to May 2020 Supplementary	JPY & EURO 28.10.2020	11,647,508	59,527		JPY 19.02.2021 & EURO 17.02.2021	9,190,079	48,749			
102	075	Oct-20	PKR Remuneration 13.11.2020 & JPY 27.11.2020 & EURO 19.11.2020 & PKR Reimbursable 19.03.2021	45,952,237	160,742	53,295,719	PKR Remuneration 07.01.2021 & JPY & EURO 12.01.2021 & PKR Reimbursable 20.05.2021	34,606,197	128,533	46,509,885		
103	076	Nov-20	PKR Remuneration 21.12.2020 & JPY & EURO 28.12.2020 & PKR Reimbursable 13.04.2021	55,457,397	117,756	59,839,602	PKR Remuneration 20.01.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 31.05.2021	40,049,051	97,432	53,069,623		
104	01S to 05S & 08S	From Aug 2014 to Dec 2014 & Mar 2015 177-M Supplementary	PKR Reimbursable 04.01.2021			1,735,825						
105	077	Dec-20	PKR Remuneration 20.01.2021 & JPY & EURO 04.02.2021 & PKR Reimbursable 15.04.2021	53,686,285	134,364	61,213,773	PKR Remuneration 24.02.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 30.06.2021	38,693,932	109,080	53,872,497		
106	Arrears of Escalation	From Oct 2020 to Nov 2020	PKR Remuneration 08.02.2021			4,367,028	PKR Arrears of Escalation 29.03.2021			3,357,254		
107	059S to 065S	From Jun 2019 to Dec 2019 Supplementary	PKR Remuneration 26.02.2021			13,201,527	PKR Remuneration 26.04.2021			10,306,734		
108	066S to 074S	From Jan 2020 to Sep 2020 Supplementary	PKR Remuneration 02.03.2021			12,219,301	PKR Remuneration 26.04.2021			9,533,351		
109	I.Tax-REIMB-001	From Aug 2014 to Jul 2016	PKR Reimbursable 06.04.2021			7,677,758						
110	078	Jan-21	PKR Remuneration 26.07.2021 & JPY & EURO 27.07.2021 & PKR Reimbursable 27.07.2021	48,993,921	156,846	61,580,382	PKR Remuneration 12.08.2021 & PKR Reimbursable 10.09.2021 & JPY & EURO 13.09.2021	39,022,205	126,910	53,961,613		
111	079	Feb-21	PKR Remuneration 28.07.2021 & PKR Reimbursable 28.07.2021 & JPY & EURO 02.08.2021	39,842,807	156,803	61,119,247	PKR Remuneration 10.09.2021 & PKR Reimbursable 24.09.2021 & JPY & EURO 08.10.2021	31,550,549	126,898	53,919,977		
112	080	Mar-21	PKR Remuneration 02.08.2021 & JPY & EURO 02.08.2021 & PKR Reimbursable 02.08.2021	46,933,791	117,735	60,828,467	PKR Remuneration 24.09.2021 & JPY & EURO 08.10.2021 & PKR Reimbursable 15.10.2021	37,273,926	94,772	53,809,689		
113	081	Apr-21	PKR Remuneration 02.08.2021 & JPY & EURO 03.08.2021 & PKR Reimbursable 02.08.2021	50,360,981	135,755	61,848,229	JPY & EURO 08.10.2021 & PKR Remuneration 15.10.2021 & PKR Reimbursable 02.11.2021	40,499,764	109,590	54,878,121		
114	082	May-21	PKR Remuneration 06.08.2021 & JPY & EURO 06.08.2021 & PKR Reimbursable 06.08.2021	38,398,709	117,955	66,602,680	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 26.11.2021	30,708,564	95,753	59,499,966		
115	083	Jun-21	PKR Remuneration 09.08.2021 & JPY & EURO 10.08.2021 & PKR Reimbursable 07.09.2021	41,331,568	125,545	73,154,118	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 31.12.2021	31,899,578	103,265	66,199,405		



Total Contract Amount				JPY	EURO	PKR				
				3,765,402,844	8,628,984	2,726,702,454				
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 & PKR Reimbursable 28.07.2022	39,917,960	201,572	65,529,896
128	Arrears of Escalation	From Oct 2021 to Dec 2021	PKR Remuneration 30.03.2022			7,068,517	PKR Arrears of Escalation 26.05.2022			6,160,113
129	092	Mar-22	PKR Remuneration 25.04.2022 & JPY & EURO 28.04.2022 & PKR Reimbursable 09.06.2022	49,365,007	249,212	101,124,224	PKR Remuneration 10.06.2022 & JPY & EURO 17.06.2022 & PKR Reimbursable 04.08.2022	38,333,736	198,362	95,017,406
130	093	Apr-22	PKR Remuneration 27.05.2022 & JPY & EURO 31.05.2022 & PKR Reimbursable 28.06.2022	50,667,037	244,679	75,218,195	PKR Remuneration 30.06.2022 & JPY & EURO 13.07.2022 & PKR Reimbursable 05.09.2022	41,394,136	220,243	69,577,673
131	094	May-22	PKR Remuneration 20.06.2022 & JPY & EURO 29.06.2022 & PKR Reimbursable 24.08.2022	49,101,375	205,176	72,623,685	PKR Remuneration 04.08.2022 & JPY & EURO 12.08.2022 & PKR Reimbursable 28.10.2022	39,167,659	184,398	67,291,826
132	095	Jun-22	PKR Remuneration 22.07.2022 & JPY & EURO 05.08.2022 & PKR Reimbursable 12.10.2022	53,592,870	221,575	99,319,441	PKR Remuneration 05.09.2022 & JPY & EURO 16.09.2022 & PKR Reimbursable 30.11.2022	29,026,310	199,046	86,307,474
133	Supplementary Invoice	Supplementary March 2022 Inv # 092	PKR Reimbursable 25.08.2022			422,415				
134	096	Jul-22	PKR Remuneration 26.08.2022 & JPY & EURO 06.09.2022 & PKR Reimbursable 01.11.2022	53,835,283	200,534	82,687,714	PKR Remuneration 20.09.2022 & EURO 20.10.2022 & JPY 09.11.2022 & PKR Reimbursable 09.12.2022	43,393,521	180,538	76,766,540
135	097	Aug-22	PKR Remuneration 22.09.2022 & resubmitted on 07.10.2022 & JPY & EURO 29.09.2022 & resubmitted on 13.10.2022 & PKR Reimbursable 10.11.2022	48,992,064	183,692	84,487,478	PKR Remuneration 07.11.2022 & JPY & EURO 05.12.2022 & PKR Reimbursable 09.01.2023	40,234,896	165,800	77,804,607
136	098	Sep-22	PKR Remuneration 28.10.2022 & JPY & EURO 02.11.2022 & PKR Reimbursable 06.12.2022	51,434,187	189,634	86,273,462	PKR Remuneration 09.12.2022 & JPY & EURO 05.01.2023 & PKR Reimbursable 13.01.2023	43,135,295	181,679	81,700,835
137	099	Oct-22	PKR Remuneration 15.11.2022 & JPY & EURO 28.11.2022 & PKR Reimbursable 20.01.2023	50,692,917	291,294	88,237,184	PKR Remuneration 09.12.2022 & EURO 05.01.2023 & JPY 23.01.2023 & PKR Reimbursable 02.03.2023	48,307,466	278,906	83,420,834
138	Arrears of Escalation	From Oct 2021 to Dec 2021	JPY & EURO 21.11.2022	6,956,297	55,730		JPY & EURO 23.01.2023	6,509,799	52,965	
139	Arrears of Escalation	From Jan 2022 to Sep 2022	JPY & EURO 22.11.2022	723,093	50,327		JPY & EURO 23.01.2023	675,186	47,830	
140	085S to 089S	From August 2021 to December 2021 Supplementary	JPY & EURO 30.11.2022	17,498,249	32,184					
141	090S to 096S	From January 2022 to July 2022 Supplementary	JPY & EURO 13.12.2022	52,760,915	69,748					
142	Arrears of Escalation	Oct-22	PKR Remuneration 16.12.2022			8,304,715	PKR Arrears of Escalation 09.02.2023			7,878,592
143	100	Nov-22	PKR Remuneration 22.12.2022 & JPY & EURO 30.12.2022 & PKR Reimbursable 06.02.2023	48,570,033	217,767	113,567,016	PKR Remuneration 13.01.2023 & JPY & EURO 01.03.2023	46,090,197	208,698	45,277,322
144	Supplementary Invoice	Jan-17,Dec-20,Jan21,Nov-21 & From Jan 2022 to Oct 2022	PKR Remuneration 18.01.2023			18,160,031				
145	102-A	1120 Meter Drilling Work 08 Nos. Tunnels	PKR Reimbursable 18.01.2023			79,664,434	PKR Reimbursable 03.02.2023			79,664,434
146	101	Dec-22	PKR Remuneration 26.01.2023 & JPY & EURO 30.01.2023 & PKR Reimbursable 09.03.2023	54,272,041	205,494	118,201,862	PKR Remuneration 02.03.2023 & JPY & EURO 16.03.2023	51,086,071	197,125	44,643,165
147	102	Jan-23	PKR Remuneration 15.02.2023 & JPY & EURO 23.02.2023	49,237,704	236,368	48,001,484	PKR Remuneration 27.03.2023			45,105,574
148	103-A	Uchar Nullah Catchment Study by GMRC	PKR Reimbursable 17.02.2023			11,525,000	PKR Reimbursable 27.03.2023			11,525,000
149	103	Feb-23	PKR Remuneration 22.03.2023			48,079,154				
150										
Total				3,744,138,202	11,605,549	5,583,413,247		2,690,624,403	8,955,080	4,020,757,691

**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 Reservoir	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	Add Land Grid Station Chuchang	2020-21	721,071
353	03/11/2020	Kaegah Query 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 Reservoirs 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 Reservoirs	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	Addl Land for access road to resettlement site 3 & 4 Uchar	2020-21	997,013
370	19/11/2020	Siglo-1 File-1	2020-21	243,654,294
371	19/11/2020	Siglo-2 file 4	2020-21	233,248,782
372	19/11/2020	LoR Shukrait Nala to Shuri nala	2020-21	183,633,196
373	19/11/2020	Lachi Nala 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	Addl. Land (K-2 Tunnel) Parts 1 & 2	2020-21	53,502
415	08/12/2020	Siglo-1 (File-3)	2020-21	45,120
416	15/12/2020	Siglo-2 (File-4)	2020-21	22,313,455
417	15/12/2020	Guli Bagh 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 Query 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
<b>Total Amount Released in FY 2021-22</b>				<b>859,950,414</b>
<b>Total Amount in PKR Released</b>				<b>22,924,442,694</b>

### 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 Major Project Activities in the Reporting Month

The following are the major construction activities in the Project:

- Continue construction of cut-off wall for preventing seepage in starter dam
- Dismantling scaffolds at DTA inlet
- Blasting and removing spoils at KKH-02
- Blasting and removing spoils at RAR-02
- Construction of Komilla by-pass
- Construction of K9 tunnel
- Construction of Logro-B tunnel
- Construction of Dugah tunnel
- Construction of Uchar bridge
- Construction of 132kV grid station
- Construction of project colony

### 6.2 Incident Statistics and Description for the Reporting Month

#### A – Recordable Injuries (Work Related)

Contract Package	Incident Category								Total Incidents till Reporting Month (A+B)
	To End Previous Month				During Reporting Month				
	Fatal	LTI	MTC	Total (A)	Fatal	LTI	MTC	Total (B)	
KKH-01	1	10	8	19	0	0	1	1	20
KKH-02	1	0	1	2	1	0	0	1	3
RAR-01	1	8	4	13	0	0	0	0	13
RAR-02	0	1	3	4	0	0	0	0	4
132kV TL	3	1	0	4	0	0	0	0	4
MW-01	2	51	7	60	1	0	0	1	61
MW-02	1	18	4	23	0	0	0	0	23
LBRV-11 &12	2	1	1	4	0	0	0	0	4
PCI-01R	3	8	1	12	0	2	0	2	14
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	8	3	11	0	0	0	0	11
PMU	0	1	0	1	0	0	0	0	1
<b>Total</b>	<b>15</b>	<b>109</b>	<b>32</b>	<b>156</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>161</b>

#### B – Personal Injury (Non- Work Related)

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

#### C – Machinery Damage

Contract Package	Incident Category						Total Incidents till Reporting Month (A+B)
	To End Previous Month			During Reporting Month			
	Major Damage	Minor Damage	Total (A)	Major Damage	Minor Damage	Total (B)	
KKH-01	17	13	30	0	0	0	30
KKH-02	0	2	2	0	0	0	2
RAR-01	4	3	7	0	0	0	7
RAR-02	0	1	1	0	0	0	1
132kV TL	0	2	2	0	0	0	2
MW-01	7	19	26	0	0	0	26

<b>MW-02</b>	4	7	11	0	0	0	<b>11</b>
<b>LBRV-11/12</b>	1	6	7	0	0	0	<b>7</b>
<b>PCI-01R</b>	0	1	1	0	0	0	<b>1</b>
<b>DHC</b>	3	6	9	0	0	0	<b>9</b>
<b>Total</b>	<b>36</b>	<b>60</b>	<b>96</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96</b>

### 6.2.1 Description of Incidents/Accidents (Work Related)

Date of Incident	Location	Contract	Description of Incident	Category	Body Parts Effected	Reporting/ Corrective Action	Status
31 <sup>st</sup> Mar, 2023	K9	KKH-01	On 31 <sup>st</sup> March 2023 at about 8am, during drilling, a drill operator left hand got hit by drill rod causing a wound on left index figure. He was shifted to First-Aid station where the doctor applied stitches and bleeding was stopped by compress ASD dressing.	MTC	Finger	RCA Awaited	Open
30 <sup>th</sup> Mar, 2023	New Uchar Crush Plan	MW01	On 30 <sup>th</sup> March 2023 approximately 9:21pm at new Uchar crushing plant, a Chinese worker was found unconscious on the B9 conveyor belt tail hopper with his head facing forward in the direction of the conveyor and his head collided first with the steel hopper and he got stuck in the hopper. The IP was recovered by his co-workers and examined by a CGGC doctor at 9:30pm at New Uchar crushing plant. Unfortunately, the IP was declared dead. He was shifted to RHC Dasu at 10:10pm first where the doctor diagnosed a 9-10cm laceration on the scalp and applied dressing. The deceased's body was later shifted to Islamabad by CGGC.	FAT (1)	Head and multiple fractures	RCA in Progress	Open
26 <sup>th</sup> Mar, 2023	Res Cat 2A Part 8	PCI-01R	On 26 <sup>th</sup> March 2023 at about 9 am, a Carpenter was fabricating a cupboard in the kitchen. He was hammering nails when one of the nails bounced back and hit him inside his left eye. He was taken to DHQ Hospital where doctor examined him and referred him to an eye specialist in Swat Medical Complex Teaching Hospital for treatment. After detail examination the eye specialist concluded that the outer most layer of the eye is ruptured and need a minor surgery which will recover within a week.	LTI (1)	Eye	RCA awaited	Open
25 <sup>th</sup> Mar, 2023	Res Cat 2B Part 4	PCI0-1R	On 25 <sup>th</sup> March 2023 at about 1 pm, a labor was dismantling a scaffold at a height of 10 feet without personal fall arrest. He had removed the guard rails of the platform when his foot slipped and fell down on the ground injuring his left-hand wrist. After first aid at site the worker was referred to DHQ Kotli for X-ray which revealed a fracture in the wrist. The doctor referred the IP to SWAT Orthopedics Specialist for treatment.	LTI (1)	Hand	RCA awaited	Open
4 <sup>th</sup> Mar, 2023	Existing KKH K-54	KKH-02	On 4 <sup>th</sup> March 2023 approximately 11:40 am at K54, a Surveyor and helper installed a survey point on a high elevated steep cliff and started back down when, due to slippery and steep ground conditions, the surveyor slipped and had a free fall of about 50 meters and landed on rocky surface. He was declared dead on the spot and later body was shifted to DHQ. After confirmation and autopsy, the body was handed over to CGGC.	FAT (1)	Head and multiple fractures	Corrective action plan described in detail investigation report shared vide letter No. DHC/WAPDA/KKH-02/ohs/23-077 dated 27 <sup>th</sup> March 2023	Open

### 6.2.2 Key Performance Indicators – During Reporting Month

**Table 6.1: Key Performance Indicators during Reporting Month**

Metrics	PMU	DHC	RAR-01	KKH-01	TL-01	MW -01	MW-02	PCI-01	RAR-02	KKH-02	EM-01	DHPP Total	Target
Number of Staff/Workers Monthly	364	510	118	1005	35	1869	1903	198	118	305	98	6523	
Number of Staff/Workers in running year (Annual)	722496	861123	234240	790848	100992	2719104	2536896	371136	147264	291456	63744	8964288	
No. of Recordable Injuries & Illness (RI) Monthly	0	0	0	1	0	1	0	2	0	1	0	5	
No. of Recordable Injuries & Illness (RI) in running year	0	2	1	4	1	15	6	4	4	3	0	40	
Incidence Rate (TRIR of running year) *	0	0.4	0.85	0.85	2.05	1.02	0.42	2.06	4.7	1.71	0	0.83	0.8 <sup>1</sup>
Fatality Case Monthly	0	0	0	0	0	1	0	0	0	1	0	2	
Fatality Case (FAT) in running year	0	0	0	0	1	1	1	0	0	2	0	5	
Fatality Frequency Rate (FFR) of running year	0	0	0	0	2.05	0.06	0.07	0	0	1.14	0	0.1	
Lost time injuries (LTI) Monthly	0	0	0	0	0	0	0	2	0	0	0	2	
Lost time injuries (LTI) in running year	0	2	0	2	0	11	5	4	1	0	0	25	
LTI Frequency Rate (LTIFR of running year)**	0	0.4	0	0.42	0	0.75	0.35	2.06	1.17	0	0	0.52	0.5 <sup>2</sup>
First-Aid Cases (FAC) Monthly	0	0	0	4	0	1	0	3	0	0	0	8	
First-Aid Cases (FAC) in running year	0	0	0	26	3	14	11	12	0	2	0	68	
FAC frequency rate (FACFR of running year)	0	0	0	5.56	6.16	0.95	0.77	6.18	0	1.14	0	1.42	
Medical Treatment Cases (MTC) Monthly	0	0	0	1	0	0	0	0	0	0	0	1	
Medical Treatment Cases (MTC) in running year	0	0	1	2	0	3	0	0	3	1	0	10	
MTC frequency rate (MTCFR of running year)	0	0	0.85	0.42	0	0.2	0	0	3.53	0.57	0	0.2	
Near-miss Incidence (NMI, monthly)	0	0	0	2	0	2	3	6	0	0	0	13	
NMI Investigated & corrective actions taken	0	0	0	2	0	2	3	5	0	0	0	12	
% NMI closed	0	0	0	100	0	100	100	83.33	0	0	0	92.30	100% <sup>3</sup>
COVID19 cases	0	0	0	0	0	0	0	0	0	0	0	0	
COVID-19 per 100 workforces (CFR)	0	0	0	0	0	0	0	0	0	0	0	0	
No of OHS AFI attended by DHC	0	0	0	4	0	7	7	0	0	0	0	18	
No. of AFI approved	0	0	0	4	0	7	7	0	0	0	0	18	
No. of OHS EI issued by DHC	0	0	3	3	3	3	3	3	3	3	3	27	

Metrics	PMU	DHC	RAR-01	KKH-01	TL-01	MW -01	MW-02	PCI-01	RAR-02	KKH-02	EM-01	DHPP Total	Target
NO of EI Closed	0	0	0	0	1	3	0	1	0	0	0	5	
% of OHS EI closed	0	0	0	0	33.33	100	0	33.33	0	0	0	18.51	
No. of OHS Training	0	4	4	0	2	2	1	2	3	4	3	25	
Training (No. Attendees)	0	38	54	0	32	90	78	156	48	189	48	733	
No. of OHS NCR issued	0	0	0	0	0	2	0	0	0	0	0	2	
No. of OHS NCR closed	0	0	0	0	0	0	0	0	0	0	0	0	
% of NCR Closed	0	0	0	0	0	0	0	0	0	0	0	0	
No. of Toolbox Talks (TBT) by Contractors	0	0	38	145	12	133	211	11	133	195	26	904	
TBT Participants of Contractors	0	0	479	789	108	1589	2087	257	1733	1525	87	8654	
No of OHS walk-through-Inspections by													
Contractor Management/ Senior Staffs	0	0	1	16	0	5	5	6	5	1	1	40	
DHC Management/ Senior Staffs	0	0	1	1	0	1	1	0	1	0	1	6	
DHC Supervisors	0	0	2	32	2	39	30	3	4	4	2	118	
Contractor Supervisors	0	0	0	210	1	31	31	9	31	225	2	540	
Unsafe Acts identified by DHC	0	0	6	40	0	46	43	5	1	3	3	147	
Unsafe Conditions identified by DHC	0	0	5	118	6	140	83	16	17	23	3	411	
No of Joint Inspections Conducted	0	0	1	1	0	1	1	0	1	0	1	6	

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

\* IR =  $\frac{\text{Recordable Incidences}}{\text{Total man hours worked per year}} * 200,000$

**Please Note: March 2022 to February 2023 is the running Year (Annual) for the reporting month February 2023**

### 6.3 Safety Performance

During March 2023, 2 FATs (Fatal), 2 LTIs, 1 MTC, 8 FACs and 13 near misses were reported.

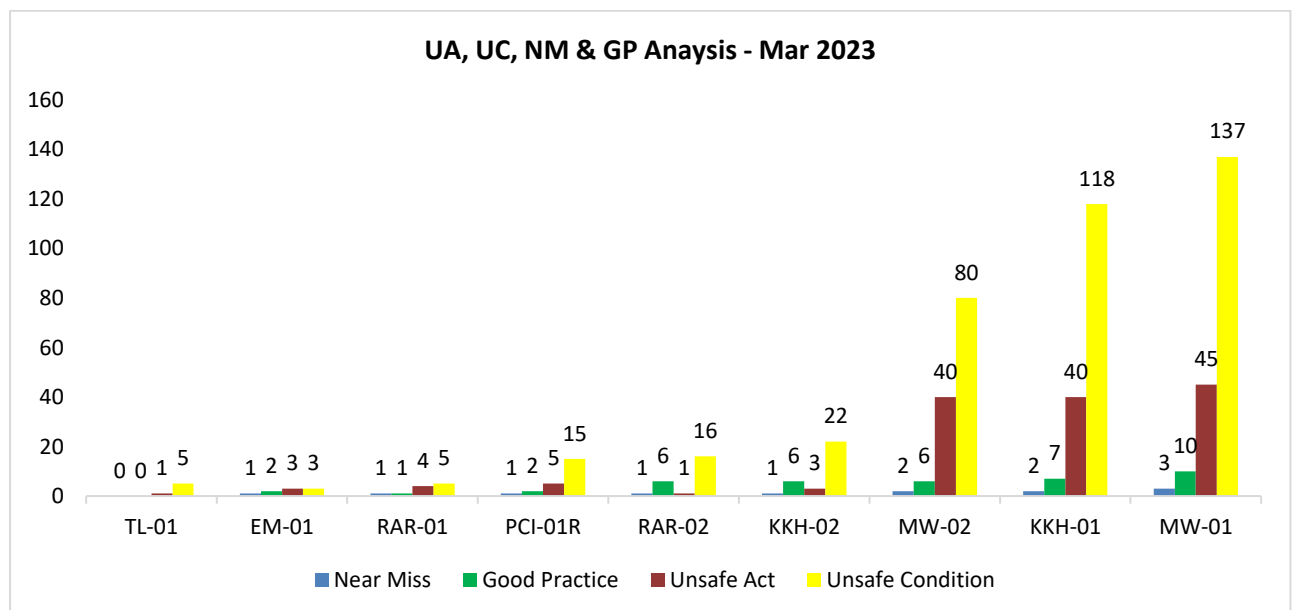
#### 6.3.1 Injuries and Illness Performance

During the reporting month, five recordable injuries and illness were reported. Out of which, there were two fatal incidents (FATs), two incidents resulting in lost time injuries (LTIs), and one medical treatment case. One fatal incident was happened at KKH-02 and the other at MW-01. Two LTIs were reported at PCI-01R and one medical treatment case was reported at KKH-01. As a result, the total recordable injury rate (TRIR) and lost time injury frequency rate (LTIFR) for the DHPP from April 2022 to March 2023 are estimated as 0.83 and 0.52, respectively.

#### 6.3.2 Unsafe Condition, Unsafe Act and Near-Miss

During the reporting month, DHC conducted different inspections and observed 142 unsafe acts, 401 unsafe conditions, 40 good practices and 12 near misses. Most of UA, UC are associated with MW-01, MW-02 and KKH01 contracts.

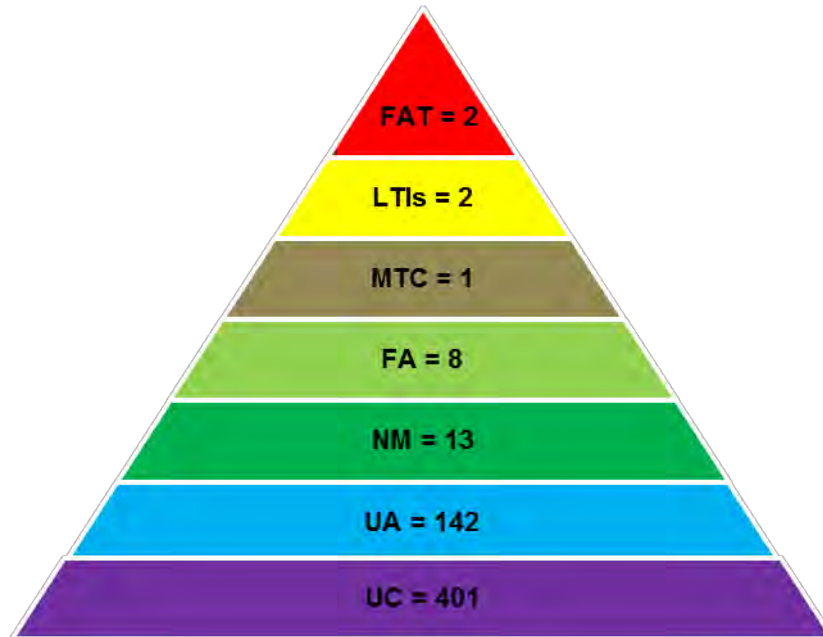
Figure below presents contract wise status of unsafe acts, conditions, and good practices during the reporting month.



**Figure: Contract-wise unsafe acts, conditions, and good practices**

### 6.3.3 Incident Pyramid

The triangle below illustrates the relationship ratios of various unsafe acts, unsafe conditions, near misses, first aid cases, lost time injuries, medical treatment cases, and fatalities recorded during the reporting month to analyze incident data and identify the trend or patterns to prevent future incident at the project sites.



**Figure: Incident Pyramid**

### 6.3.4 Monthly OHS Progress Review Meeting

Following table presents the overall status of the monthly OHS Progress Review Meeting agenda items closure for March 2023. All Contractors were instructed to close the remaining issues as soon as possible.

**Table 6.2: Status of Outcomes Monthly Progress Review Meeting**

Sl.	Contract	OHS MoM Status During the Reporting Month				
		Total	Open	Partially closed	Closed	New Items added
1	MW-01/02	29	20	0	3	6
2	RAR-01	19	3	0	6	10
3	RAR-02	22	8	1	4	9
4	KKH-01	22	9	0	9	4
5	KKH-02	25	11	0	6	8
6	PCI-01(Ref. Jan 2023)	11	1	0	4	6
7	TL-01	15	7	0	7	1
8	EM-01	24	12	0	7	5
<b>Total</b>		<b>167</b>	<b>71</b>	<b>1</b>	<b>46</b>	<b>49</b>

### 6.3.5 Status of Non-Compliance Reports (NCRs)

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

**Table 6.3: Status of NCRs since commencement of Project**

Contracts	Previous Open	Open in April	Previous Closed	Closed during reporting month	Total
KKH-01	2	0	2	6	8
KKH-02	0	1	1	0	1
RAR-01	0	0	0	7	7
TL-01	2	0	2	2	4
MW-01/02	2	2	4	46	50
PCI-01R	2	0	2	15	17
LBRV-11/12	0	0	0	2	2
RAR-02	1	0	1	2	3
LADP-SA01	1	0	0	0	1
LADP-JMK	0	0	0	1	1
<b>Total</b>	<b>10</b>	<b>3</b>	<b>13</b>	<b>81</b>	<b>94</b>

### 6.3.6 Joint Site Inspection by PMU, DHC, and Contractors:

OHS team of DHC have conducted 6 joint inspections along with PMU and contractors. The results are shared with all stakeholders. Good observations were noted and the contractors were directed to improve the site conditions and enhance preventive measures and continue good practices at sites. The summary of joint inspection is presented in the Table below.

Sl.	Contract	No. of Joint Inspection by DHC, WAPDA & Contractors	Highlights of the Inspection
1.	MW-01/02	2	MW-01 inspection was Conducted on 14-03-2023 at starter dam and highlighted issues were related to related, PPEs, dumpers without tail gate, improper access, flammable fire shed, rotating parts without safeguard, Second inspection was conducted on 16-03-2023 at MAT and issues were related to lack of first aid box, depressurized fire extinguisher, unhygienic condition, EDBs earthing, chemical storage
2.	RAR-01	1	Inspection was conducted at Komila bypass on 15-03-2023 and highlighted issues were related to faulty equipment, untrained flagmen, PPEs noncompliance, unfurnished first aid box, lack of first aider, undesignated parking, lack of maintenance of machinery
3.	RAR-02	1	Inspection was conducted on 25-03-2023 at RAR-02 camp and site and highlighted issues were related to cooking stove on plywood, water cooler being used for diesel storage, open EDB, Manual chain block without safety latch, working near river edge without fall restrain system, first aid record not maintained, and inadequate access for crossing Kandia Nullah.
4.	KKH-01	1	Inspection was conducted on 09-03-2023 at K9 and site and highlighted issues were related to poor living conditions of labor, unsafe electrical supply, kitchen unhygienic condition of labor kitchen, overcrowded labor in rooms, depressurized fire extinguishers were observed, unsafe fuel storage area, site housekeeping, access to first aid station is blocked and without hand washing facility, whiplash arrestor was not installed with the Compressor hose.
5.	KKH-02	0	
6.	PCI-01	0	
7.	TL-01	0	
8.	EM-01	1	Inspection was conducted on 15-03-2023 at camp and site and issues were related to poor hygienic condition of labor kitchen, single lanyard safety harnesses being used, steel fixer without safety shoes, scaffold erection without platform, unsafe parking of dumpers
<b>Total</b>		<b>6</b>	

In the reporting month 6 joint inspections were conducted at different contracts and locations. Outcome of joint inspections reports were prepared and shared with all parties. The Concerned contractors were directed to rectify the observations within given time frame. Detail reports of each inspection was recorded for follow-up rectifications.

### 6.3.7 Training and Capacity building:

#### 6.3.7.1 Training Offered by DHC OHS Staff

Training is a key element in construction projects to enhance practical skills or behaviour of workforce in order to obtain optimum result and to identify hazards, its associated risk and prevent incidents at workplace. Training gradually increases the individual level of self-awareness, proficiency and motivation to perform the 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 in this reporting month is described below:

Sl. No.	Trainings arranged by DHC				
	Date of Training	Subject of Training	Trainer	Target Group	No. of Participants
1.	March 23, 2023	Roller Compacted Concrete (RCC) and Related OHS	Dr. Masud Karim (OHS Expert/Advisor)	DHC OHS Staff, Engineer, CGGC Construction Manager & OHS Staff	20
2.	March 22, 2023	Induction Training	Mr. Azmat Farooq (Sr. OHS Professional)	DHC New Employees	4
3.	March 12, 2023	Induction Training	Mr. Murtaza Nazir (Sr. F. OHS Professional) Mr. Naeem Sadiq (OHS Professional)	DHC New Employees	2
4.	March 03, 2023	Tunnel GAP Analysis	Mr. Azmat Farooq (Sr. OHS Professional) Mr. Ibrahim (OHS Professional)	DHC OHS and Engineering staff	12
<b>Total</b>					<b>02</b>

#### 6.3.7.2 Site and Job Specific Training Offered by Contractors

Details of trainings offered by the Contractors are presented below:



Sl. No	Contract	Number of Trainings during Reporting Month	No. of Participants
1.	RAR-01	4	54
2	RAR-02	3	48
3	KKH-01	0	0
4	KKH-02	4	189
5	TL-01	2	32
6	MW-01	2	90
7	MW-02	1	78
8	PCI-01	2	156
9	EM-01	3	48
<b>Total</b>		<b>21</b>	<b>695</b>

### 6.3.7.3 Tool-box Talks by the Contractor

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

Sl. No	Contract	Number of TBTs during Reporting Month	No. of Participants
1.	RAR-01	38	479
2	RAR-02	133	1733
3	KKH-01	145	789
4	KKH-02	195	1525
5	TL-01	12	108
6	MW-01	133	1589
7	MW-02	211	2087
8	PCI-01	11	257
9	EM-01	26	87
<b>Total</b>		<b>904</b>	<b>8654</b>

### 6.3.8 Plant and equipment Inspection

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

Contract Package	Total Inspections Conducted till December-22		Total Inspection Conducted														Total Inspections Conducted till Reporting Month			
			Light Vehicles		Dump Trucks		Excavators		Jumbo and Conventional Drills		Shotcrete Jumbo Machines		Bucket Loaders		Other					
	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized		
KKH-01	21	10			7	13	4	1							4	2	6	2	42	28
KKH-02	36	6		1		1	1										1		38	8
RAR-01	38	9	1		1	4	1	3								1		1	41	18
RAR-02	1	1																	1	1
132kV TL	18	3						1								1	1		19	5
MW-01	19	6	13	6	6	2	7						6			10	2	61	16	
MW-02	98	15			5	2	1						1			6	3	111	20	
PCI-01R	14	0																	14	0
EM01	10	1																	10	1
DHC	109	21	10	5															119	26
KKH-01	21	10			7	13	4	1							4	2	6	2	42	28
KKH-02	36	6		1		1	1										1		38	8
RAR-01	38	9	1		1	4	1	3								1		1	41	18
<b>Total</b>	<b>364</b>	<b>72</b>	<b>24</b>	<b>12</b>	<b>19</b>	<b>22</b>	<b>14</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>24</b>	<b>8</b>	<b>456</b>	<b>123</b>		

### 6.3.9 Covid-19 Cases

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

Sl.	Organization	Number of Employees	Cumulative Positive Cases till previous Month (A)	Positive Cases Reported this Month (B)	Total Number of Deaths till Date	Cumulative Positive Cases till Date (A+B)
1.	WAPDA	364	13	0	1	13
2.	DHC	510	84	0	0	84
3.	MW-01 and MW-02, KKH-02, RAR-02	4195	124	0	0	124
4.	KKH-01 & RAR-01	1123	24	0	0	24
5.	PCI-01R	198	16	0	0	16

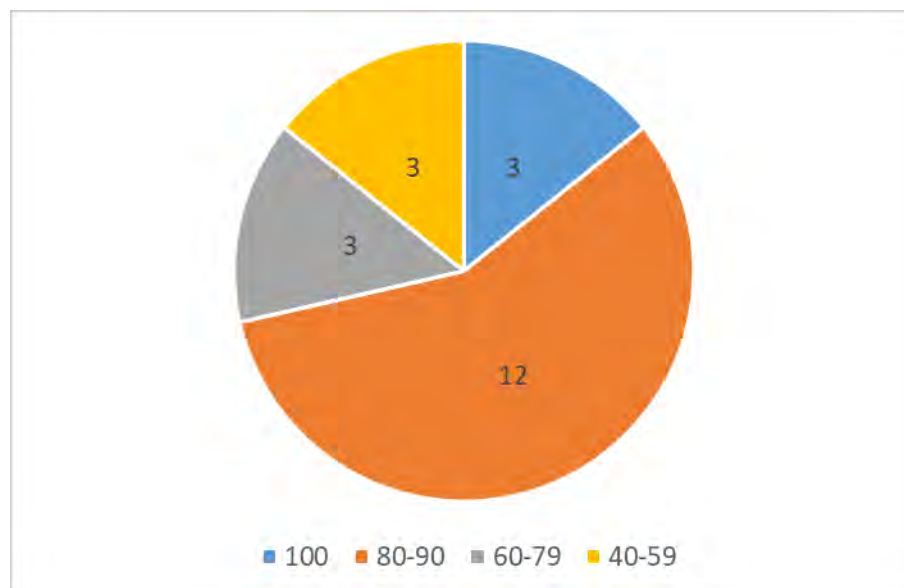
Sl.	Organization	Number of Employees	Cumulative Positive Cases till previous Month (A)	Positive Cases Reported this Month (B)	Total Number of Deaths till Date	Cumulative Positive Cases till Date (A+B)
6.	TL-01	35	0	0	0	0
7.	EM-01	98	0	0	0	0
8.	<b>6523</b>	<b>6523</b>	<b>261</b>	<b>0</b>	<b>1</b>	<b>261</b>

## 6.4 General

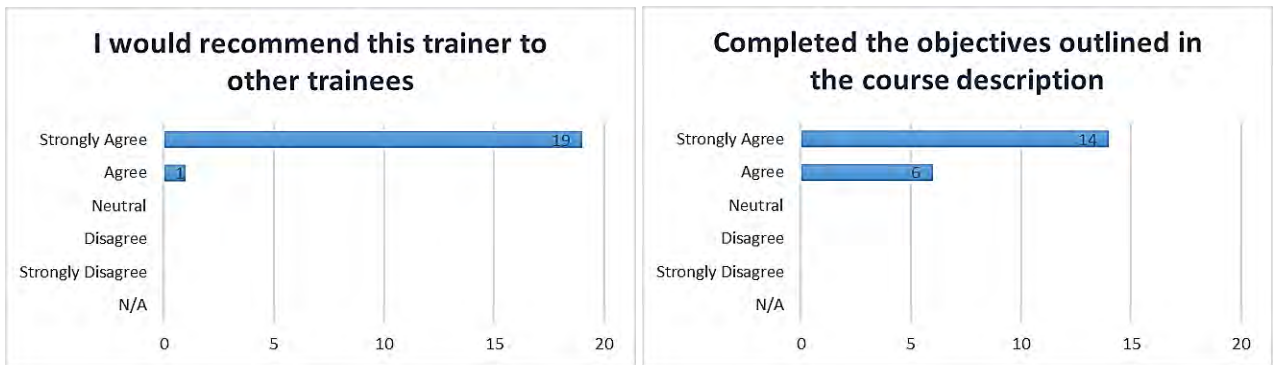
### 6.4.1 High-Level OHS Management

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

- Reviewed field progresses, prepared agenda for weekly OHS meetings, send zoom invitations to all participants, attended, and moderated weekly OHS meetings with DHC, PMU, and the World Bank. The following are the major highlight of the weekly OHS meeting:
  - Fatal incident of March 4, 2023 at KKH-02 Contract and lessons learnt.
  - Non-Compliances at K4 and K9 tunnel Camps of KKH-01 Contract
  - ICAM Investigation Report of March 4, 2023 Fatality
  - Particulate concentrations in K9 tunnel of KKH-01 Contract
  - Overloaded Dumper of MW01 and MW02 Contracts without Tailgate
  - Access control at starter dam, recommendations made for establishing lookout/selfie points for the communities and travelers to prevent trespassers in the worksite.
  - Potential World Bank RSA/RSC Mission.
- Prepared agenda for Monthly OHS meeting for RSA/RSC and attend the meeting.
- Reviewed and edited February 2023 monthly report,
- Site inspections and work observations at Starter Dam, Project Colony, and K9 tunnel. Non-compliances identified and instruct site staffs to rectify them.
- Attended Monthly Progress Review Meetings with MW-01, KKH-02, KKH-01, and EM-01; and
- Prepared training materials for Roller Compacted Concrete and associated OHS and conduct the training. Prepare quiz for the trainee and trainer's evaluation form. The outcome of the quiz presented in Figure below. Among the 21 trainees, 3 scored 100%, 12 scored 80-90%, 3 scored 60-70%, and 3 scored 40-59%, respectively. Trainees strongly agree (95%) to introduce the trainer to others and 5% agree to do the same (Figure below). 70% of the trainee strongly agree that the training completed the objectives outlined in the course description and the remaining 30% agree on the same (Figure below).



**Figure: Outcome of the quiz on RCC training**



**Figure: Evaluation of the training and the trainer**

**6.4.2 OHS Systems and Procedures**

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

**6.4.3 OHS Underground Works**

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

## 7 SOCIAL AND RESETTLEMENT MANAGEMENT ACTIVITIES

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

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

#### 7.1 Land Acquisition and Compensation Payment

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

##### 7.1.1 Land Acquisition Status

As per updated status of Land Acquisition obtained from the Land Acquisition Section of the Deputy Commissioner's Office, Dasu, Kohistan Upper, a total land of about 4,782 acres has been awarded / acquired by the end of March 2023. It includes 729 acres of land (Batch-1) awarded before ECNEC decision (November 2019) and 4,053 acres of land was acquired after ECNEC decision (after November 2019). The land awarded after ECNEC decision; includes, 395 acres land acquired through compulsory acquisition and 3,658 acres land acquired under private negotiation. Only one acre land was acquired during the reporting month, however preparations for acquiring remaining land (256 acres) remained in progress, however the land could not be acquired by the due date (31st March 2023) mainly due to the elevation issue in Shatial (161 acres), land under process of compulsory acquisition (09 acres), land under process of Registration Deed Signing (86 acres). Batch-wise land acquisition status by reporting month is given below.

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

Batch	Total Land To Be Acquired	Land Acquired	Remaining Land To Be Acquired	Status
Batch-1	729	729	–	Possession of 100% land has been taken over by WAPDA.
Batch-2	957	957	–	Possession of 100% land has been taken over by WAPDA.
Batch-3	1,554	1,517	37	The possession of 1,509 acres (98%) of the acquired land has been taken over. The acquisition of remaining land is under process.
Batch-4	981	981	–	Possession of 100% land has been taken over by WAPDA.
Batch-5	817	598	219	Acquisition of remaining land is under process. The possession of 471 acres (79%) of the acquired land has been taken over by WAPDA.
<b>Total</b>	<b>5,038</b>	<b>4,782</b>	<b>256</b>	The possession of 4,647 acres (97%) of the acquired land has been taken over by WAPDA.

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

##### 7.1.2 Status of Compensation Payments

By the end of March 2023, a total amount of PKR 19.52 billion was paid, including PKR 19.17 billion to 7,962 PAPs through 11,777 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

S. No.	Components	Status upto previous month			Status during reporting month			Grand Total
		# of PAPs	# of CHQ	Amount (In Billion)	# of PAPs	# of CHQ	Amount (In Billion)	
1	All Components	7924	11730	19.09	38	47	0.076	19.17

During March 2023, an amount of PKR 76,391,734/- was paid as compensation payment to 38 PAPs of 19 components. A total of 47 cheques were issued by DC office during the reporting month. Component wise detail of payment is given in table below:

**Table 7.2: Compensation Paid during the Reporting Month**

S. No.	Component	PAPs	Cheques	Amount
1	Barseen/Komah Bailey Bridge Right Bank (Area-2)	2	2	228,046
2	Bailey Bridge Gumoo-02 Right side	2	2	572,943
3	Uchar Contractor Camp No. 2	1	1	887,174
4	Gumoon End Point to Uthor Nala Reservoir Area - 02	4	4	44,591,716
5	KKH-01 Additional Land PTB 1 to 7	1	1	286,237
6	KKH-02 Additional Land Awai to Lootar Part (A)	1	1	150,050
7	KKH-02 Additional Land Shukrait Nallah to Shuri Nallah	1	1	172,157
8	KKH-02 Additional Land Shuri Nala to Sammar Nala	1	1	388,619
9	KKH-02 Kaigah to Awai Area-1 (A)	1	1	212,755
10	KKH-02 Kaigah to Awai Area-1 (B)	3	3	1,244,836
11	KKH-02 Lootar	10	10	217,810
12	KKH-02 Lootar to Shukrait Nallah Area 1B (II)	4	5	1,062,734
13	KKH-02 Lootar to Shukrait Nallah Area-2	1	1	13,199,600
14	KKH-02 Shukrait Nallah to Shuri Nallah	1	1	294,769

S. No.	Component	PAPs	Cheques	Amount
15	KKH-02 Shuri Nala to Sammar Nala	2	2	1,066,012
16	Lachi Nullah Reservoir Area File-5	8	8	8,136,056
17	Natbail to Bair Kandia Reservoir Area	1	1	140,000
18	Additional Land Zaal (RAR-01) Area-02	1	1	507,539
19	WAPDA Offices & Colony at Chuchang	1	1	3,032,681
	<b>Total</b>	<b>38</b>	<b>47</b>	<b>76,391,734</b>

### 7.1.3 Land Revenue Survey:

Following revenue surveys were carried out during the reporting month;

- i. Revenue survey for verification of Shatial to end point of reservoir area
- ii. Revenue survey of Gumoon area.

### 7.1.4 Draft Sections/Corrigendum issued.

Draft of section-4 for solid waste area at Kaigah was prepared and submitted to WAPDA

### 7.1.5 Meeting of Compensation Disbursement Committee (During the Reporting)

CDC meeting was held for Gumoon end point to Uchar Nullah Reservoir Area part-2 during the Month of March 2023

### 7.1.6 Cost Assessments and Verifications

Verification of cost estimates continued during the reporting month and verification of only one remaining component was completed and submitted to WAPDA for transfer of funds to LAC designated account. The details are given below:

S/N	Component	Received on	Submitted On	Amount
<b>Built-Up Property</b>				
1	Dogah End point to Gayal Nullah File-1	02.02.2023	06.02.2023	26,492,5063.00

### 7.1.7 GIS Verification

In the month of March 2023, Shatial Nullah to End of Reservoir 06 Components, Shatial Limits to Shatial Nallah Area 6 components and Dogah End Point to Gayal Nallah File-1 were re-verified and no new component received from revenue office.

#### 7.1.7.1 Court Cases:

Received Notices / Summons from Dasu Civil Court and Dasu Senior Civil Court to the In-charge GIS section in the land acquisition cases. DHC GIS section prepared data accordingly (Revenue data, GIS based Satellite images, GIS certificates) of many components and appeared in Session, Civil and Senior Civil Courts. The details of cases are following;

Sr. No.	Case No.	Component
01	Case No. 140 (Ismail Group)	<b>Dogah End Point to Gayal Nallah File-1</b> Due to absent of opponent Lawyer next date was 08-march-2023. GIS representative with DHC lawyer papered in court but opponent lawyer and applicant were absent from court. Next date was 16-03-2023 and appear in court with DHC Lawyer.
02	Case No. 60 & 104 (Sher Khan Group)	<b>KotGal-2 Reservoir Area-2</b> Appeared in Sr. Civil Judge court with record but applicant was absent dated 21-02-2023. Next hearing was 28-02-2023, but GIS team could not attend court due to Shatial Harban area officially visit with line department. Court given new date of hearing to GIS team with lawyer and record in court dated 20-03-2023. GIS team prepare data of selected khasra's and appeared in court dated 20-03-2023.
03	Case No. 232 (Rasheed Ahmad)	<b>Dogah End Point to Gayal Nallah File-1</b> Applicant have some reservation at khasra no.88 about land type. GIS team prepare data of selected khasra's and appeared in court dated 15-03-2023.
04	Case No. 227 (Muhammad Rahim)	<b>Dogah End Point to Gayal Nallah File-1</b> Applicant have some reservation at khasra no.348 about land type. GIS team prepare data of selected khasra's and appeared in court dated 17-03-2023.
05	Case No. 812 (Meer Aslam Group)	<b>1-Dogah End Point to Gayal Nallah File-1</b> <b>2-Gayal Nallah to Kandia Bridge</b> <b>3-Dogah End Point to Gayal Nallah reservoir area File-1</b> The applicant has some observation about land type in above mentioned components. GIS team prepare data of selected khasra's and appeared in court dated 13-03-2023.
06	Sadaqat Shah and Sultan Dom	<b>Dogah End Point to Gayal Nallah File-1</b> Appeared in Court dated 25-02-2023 with record. Applicant was absent, now next date is 8-03-2023. GIS representative with DHC lawyer appeared in court but again opponent lawyer and applicant were absent from the court. Next date was 16-03-2023, DHC lawyer and GIS representative appear in court with record.

07	Case No. 290 ((Taj Ud Din Group))	<b>Dogah End Point to Gayal Nallah File-1</b> Applicant have some reservation in GIS Report/Certificate in Khasra (29,590,692,592,329). GIS representative with lawyer of DHC appeared in court with record dated 05-03-2023.
08	Case No. 66 (Rehmat Wali)	<b>Dogah End Point to Gayal Nallah File-1</b> Applicant have some reservation at khasra no.529, 285 about land type in GIS Report/Certificate. GIS team prepare data of selected khasra's and appeared in court with DHC lawyer dated 22-03-2023
09	Saeed Ur Rehman	<b>Dogah End Point to Gayal Nallah File-1</b> Applicant have some reservation at khasra no.122 about land type in GIS Report/Certificate. GIS team prepare data of selected khasra's and appeared in court with DHC lawyer dated 30-03-2023
10	Shah Wali Ullah/ Inayt Ullah Group	<b>Dogah End Point to Gayal Nallah File-1</b> Applicant have some reservation at khasra no.286 and 106 about land type in GIS Report/ Certificate. GIS team prepare data of selected khasra's and appeared in court with DHC lawyer dated 30-03-2023

#### 7.1.7.2 Other Activities Carried Out by GIS Team:

- A meeting was held with Deputy Commissioner of Kohistan, Land Acquisition Collector and GM/PD WAPDA for a visit of Shatial & Harban reservoir twelve components area after local community complained/protected against GIS, C&W, Agriculture Department, and Survey reports. Six main members with helpers and security team in supervision of AAC Kohistan visited Shatial and Harban area site and checked each mentioned Khasra of twelve components.
- The team completed site visits in three days, after completion of site visits, the GIS team prepared a list of khasras noted during the site visits and also by the affectees applications received to DHC office and checked each khasra with 2019 satellite imagery very carefully and preparation each and every khasra map with record and sent with letter to WAPDA office. There is no difference found with GIS certificate issued earlier.
- After submitting Shatila Limits to (Harban) Reservoir End Point Area twelve components letter to WAPDA, a Jirga was called by DC and asked GIS team to give a presentation to the community individuals who complained and also mutual communal land. The presentation was given on March 21st. And after that community again raised some other issues. The Jirga was called again and a presentation was given to the community members on March 31st, 2023.
- Visited Uchar Area for Drone Imagery survey of Uchar Helipad position-1 to diversion tunnel outlet area for WAPDA
- Prepared update status map of Kass area of handed over to contractor, disputed area and remaining area.
- Prepared maps and GIS data of Dogah End point to Gayal Nallah file-1 after receive letter from GM/PD WAPDA office.
- Prepared maps and reservoir area after receive letter from DG S&S WAPDA office.
- GIS representative visited KKH-02 Kaigah to Awai Additional Area -2 Part-A Pani Bah Area and Kiagah to Awai Area2- Part A(I) Chilashi Nallah Area with Director S& R WAPDA, Survey team, Revenue officer and FVC of ESMR after receive letter of observation at GIS verification report, Masavi and survey boundary of additional area from Director Social & resettlement.
- Visited site and collect on ground structures survey data, boundary and prepare maps for present to chief S&R DHC and Director Social & Resettlement WAPDA.
- Calculated distances of all project facilities and prepare report of (Contact camps and Contractors Residential facilities, WAPDA offices, WAPDA residential facilities, Consultants offices and Consultants Residential facilities, working sites along Existing KKH, Relocated KKH-01, KKH02 and RRA-01, RAR-02, and) for Emergency response for Security agencies.
- Prepared map of Govt. educational facilities, Health facilities and proposed crush plant at Seo area for advisor to DHC management.
- Prepared map for water facilities to WAPDA colony and resettlement sites with water source at Kuz Chuchang and water pipe line planning.
- Digitized Existing KKH from Thakot Bridge to Raikot Bridge at open source imagery with relocated KKH-01, KKH-02 of DHPP with location for WAPDA.
- Prepared Drone and Satellite Images of all Contractor Camps and other construction facilities areas for WAPDA security team approximately 80 Images.
- Prepared route map of CPEC schematic diagram from Hazara Motorway to Chilas (Express way and Existing KKH) for WAPDA road section.
- Visited Kaigah area for drone imagery survey of proposed kaigah solid waste area.

### **7.1.7.3 ESMR & Commercial Structure maps with Data:**

Prepared maps of listed below components for ESMR and commercial structure maps with GIS based revenue data:

- i. Siglo-1 File-1
- ii. Baily Bridge Gummon Lotter Right Side Area-1
- iii. Kotgal- reservoir area
- iv. Milar Limits to Dogah Nallah Reservoir Area (Milar Reservoir Area)
- v. Milar to Dogah Nallah File-1
- vi. ROR Milar to Dogah Nallah File-3
- vii. RAR-02 Dogah
- viii. ROR Gayal Nallah to Kandia Bridge Reservoir area
- ix. Lachi Nallah File-1
- x. Lachi Nallah File-2
- xi. Lachi Nallah File-3
- xii. Uchar thoki Contractor Camp-2
- xiii. Looter reservoir area-1

### **7.1.8 Status of Land Lease of Kass**

On an overall, about 83% 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. There were title disputes on

However few houses have title disputes and lease amount cannot be paid to these owners. Therefore, this remaining land area is requested for compulsory land acquisition after long waiting of resolution of title disputes. The land acquisition of remaining 17% is under process;

## **7.2 Development of Resettlement Sites and Relocation**

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

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

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

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

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

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

### **7.2.2 Progress and Issues of Remaining Resettlement Sites**

The work only on seven resettlement sites of LBRV-11 & 12, and Dasu-RV remained in progress. Social & Resettlement Teams monitored the under construction sites and resolved the emerging Social issues. Detail of the activities carried out during the reporting month is given in below table:

Sr. No	Resettlement Site	Progress during the reporting month.
1	Nasirabad 1	During the reporting month S&R team held meeting with the resettling villagers elder of the RV Nasirabad-01 regarding the water supply issue to their RV. detailed deliberations were made on all the possible options to solve the subject issue once for all and reached another option which is to install water supply from Summar Nullah to RV Nasir Abad 1&2, Uchar-01, Khushi-01 and onward to WAPDA offices & Colony and to RVs Chuchang-01 and Chuchang -04 as well. The route of this mega water

		supply shall be along the road side of new KKH from Summar Nullah till the PCIs Chuchang and the last RVs Chuchang 1&2. This option is apart from the four options which were identified by the community during the previous joint filed visits.
2	Nasirabad 2	A meeting was also convened with the resettling AHHs Mr. Muhammad Jamil and Mr. Ubaidullah about water supply and to take necessary steps in connection to the preparations to initiate the construction of their houses and dwellings. Both the community members regretfully told that we have already given the possible options in this regard same as for water supply for the RV Nasirabad-01 and having no other option of water source. Until and unless water is not provided the construction of houses is not impossible.
3	Uchar -1	During the reporting month S&R team held meeting with the resettling community of Uchar-01 RV Mr. Abdullah and Noor Muhammad to know about the resumption of work at their RV and its water supply by the Zhongmei workers. Mr. Abdullah told that work on water supply scheme has been started whereas other work yet not started.
4	Khushi-1	Regarding this RV a meeting was held with Additional Assistant Commissioner-AAC (Revenue) for the solution of water supply issue as he has been delegated the responsibility to deal this along with other water related issues pertaining to RVs. AAC told that he is on the move in this regard and soon the water issue of RV Khushi -1 will be resolved. The AAC has been requested to take up this case as their top most priority agenda point on daily basis.
5	Khushi-2 link-01	No social issue reported during the month
6	Chuchang-01	The work remained in progress on this RV during the reporting month. A detailed meeting was held with REs Infrastructure DHC Mr. Kaan and Mr. Imtiaz along with the Contractor KGL representative Mr. Arshad Iqbal to find out the possible solution of water supply conflict for both RVs (Chuchang-0-1 & Chuchang-04). Contractor dumped the Water Supply Pipes for Dasu RVs but soon after Contractor reported that some people have asked to stop labors from the work. DHC S&R Team called a community meeting and discussed the matter in detail. Later on, it was decided in joint meeting including RE Infra, Social Team and Contractor that installation of pipes within RVs should be started and then gradually, the main line should be stopped.
7	Chuchang-04	During the reporting month S&R team visited the site and held meeting with both the parties i.e. Sher Ghazi and Noor Azam group. Both the resettling villager were having dispute upon the boundary of plots which was resolved on the spot. The water supply situation is same as of RV-1 Chuchang

### 7.2.3 Status of ESMR Files Preparation and Payment

Preparation of AHHs files and payment of Enhanced Self-Managed Relocation (ESMR) Package remained in progress during the reporting month. Following are the updates:

- By the end of reporting month ESMR package was paid to 1,234 AHHs of batch-1, 2, 3 and 4, total amount paid on account of ESMR is PKR 4315.05 million.
- Preparation of AHHs files for payment of Extended Self-Managed Resettlement (ESMR) Package remained in progress. During March 2023, a total amount of PKR 339.50 million paid as ESMR package to 97 AHHs.
- During the reporting month one shareholder file prepared and submitted to FVC and received 33 referred back files from FVC along with comments. The file under process and will submit to FVC in next month.
- During the reporting month more than 30 referred back files reviewed and returned to concerned committees with updated comments.
- During the month of March 2023, total 97 AHHs received their Enhanced Self-Managed Relocation Package amounting to Rs.339.50 million including 44 AHHs of Batch-2, 52 AHHs of Batch-3 and 1 HH of Batch-4. Now the total 1234 AHHs of different villages received their ESMR Package Rs. 4,315.20 million and the detail of Batch-1, 2, 3 & 4.
- Prepared Hard copies of ESMR Paid files, one each for WAPDA and DHC. A hard copy along with applicable Project allowances sheet submitted to WAPDA for final payment of remaining allowances except special allowance of 3.5 million. During the reporting month 215 hard copies of ESMR Paid files prepared and submitted to WAPDA for further payment. The total 786 applicable project allowances files prepared at the end of the current month
- 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.

### 7.2.4 Status of TRP Payment

At the end of March 2023, a total amount of PKR 101,593,447/- paid as TRP to 210 RVs (PKR 90,738,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. In addition, PKR 3,926,220/- were paid to 43 commercial structures of Barseen, Khushi, Siglo and Tailrace Kuz Chuchang Area.



During the reporting month, an amount of PKR 10,350,000/- paid for Temporary Relocation Package to 58 affected HHs from 04 resettlement components. M&E team conducted a verification exercise, updated missing entries and corrected components in the database.

S. No	Component	Status by Feb 2023			Status during Mar 2023			Grand Total
		RVs	Self	Amount	RVs	Self	Amount	
1	Additional ROW (KKH-01)	6	4	4,996,086	0	0	-	4,996,086
2	Bar Chuchang	1	3	723,869	0	0	-	723,869
3	Khushi Access Road to Ventilation Tunnel	13	1	4,790,800	12	0	2,115,000	6,905,800
4	Khushi Dumping	9	8	5,871,191	2	0	270,000	6,141,191
5	Khushi to Logro	58	0	4,750,000	43	0	7,785,000	12,535,000
6	KKH-01 (ROW)	34	22	27,127,961	1	0	180,000	27,307,961
7	Logro	43	0	23,396,616	0	0	-	23,396,616
8	RAR-01 (ROW)	16	26	9,245,959	0	0	-	9,245,959
9	Uchar Thoki (Uchar Contractor Camp-2 Thoki)	15	0	3,275,000	0	0	-	3,275,000
10	WAPDA Offices and colony Chuchang	1	0	416,447	0	0	-	416,447
11	Zhongmei Camp	4	1	2,658,200	0	0	-	2,658,200
12	Khushi Access Road	0	18	2,263,741	0	0	-	2,263,741
13	Tailrace Area Kuz Chuchang	10	3	1,727,577	0	0	-	1,727,577
<b>Total</b>		<b>210</b>	<b>86</b>	<b>91,243,447</b>	<b>58</b>	<b>0</b>	<b>10,350,000</b>	<b>101,593,447</b>

### 7.2.5 Status of demolished Houses

Deputy Commissioner Kohistan constituted a Task Force Committee (TFC) for demolishing of houses who received their ESMR Package and not willing to demolishing by their own. The area is required for Contractor on emergency basis. The task force has dismantled the houses who received their ESMR package

The following houses have been dismantled by the TFC:

- i. All the households who received ESMR Package in Uchar village has been demolished and site have been handed over to the contractor
- ii. In Barseen village majority houses demolished by the contractor and community himself and the area handed over to the contractor for further activities.
- iii. In Sigloo village majority ESMR paid houses demolished by the community
- iv. In Bar Chuchang some houses demolished except those households who opted resettlement sites
- v. A total of 16 Houses at Komila bypass have been demolished and contractor working smoothly without any hurdles.
- vi. The Task Force has reported dismantment of 790 houses reportedly.

### 7.2.6 Other Major Activities Carried Out by R&R Team

The following other major activities were carried out by R&R team during February 2023:

- A detail meeting was held on 02-03-2023 with Sazin and Shatiyal Community on ESMR Files as they some apprehensions about missing and shareholder files.
- A consultation meeting was held on 06-03-2023 with Kaiga community about dislocation of houses as they have received their ESMR Package and the houses area required for Contractor. The community has told that we will cooperate with contractor as he desired.
- An initial consultation meeting was held with the community of Kuz/Bar Kai, Millar, Kuz/bar Purwa and Seer Gayal on March 8, 2023 regarding the relocation of BHU Doga which is situated at Kuz Kai. In this meeting, the key influential from the community side have participated and deliberations were made openly on the agenda point. After the detail discussions, the community members took a week time to further consult with the stakeholders (community members) who were not present in the meeting.
- A joint meeting comprised Land Acquisition Collector, Community members from left & right side on missing documents and some other issues. The reservation of community has been resolved during discussions.
- A joint visit was made to Meer Alam Khan's house situated at Komila bypass over K1+637 who tendered an application to DHC via Deputy Commissioner and WAPDA office in which he claimed that his house has been damaged due to construction activities of Komila bypass at the above mention RD. The applicant's house is situated at the bank of the excavated area and consist of 03 rooms. If further excavation executed then the existing house could be at risk because right now due to the excavation activity, floor and walls of washroom (Toilet) of the

house got cracked. The applicant requested the field team to undertake the protection measures like a retaining wall in front of his house in order to ensure the safety of the house which is at risk.

- A total of 754 Questionnaires of Inventory Survey 2012, compiled, sort out and handover to Monitoring Support Consultants (MSC) on 13-03-2023 for further updating of data for their survey purpose.
- Social Team visited different villages on 15-03-2023 from Kaiga to Lachi Nullah for final verification of Commercial structures. The finalized 95 Commercial Structures along with daily wagers and other staff members. The same data finalized and submitted to WAPDA for obtaining NOL from World Bank.
- Meeting was held with the convener of working committee in his office on 15-03-2023, reviewed and scrutinized 20 ESMR files which were previously rejected being not eligible for the package. Later on, the higher management decided to reconsider the subject 20 rejected files for the ESMR package, hence reviewed, scrutinized and signed for further onward submission to SMR-IC for payment process.
- On March 15, 2023 S&R team organized a visit to Looter and Summar Area (Dumping area Summar) In order to have a final count and verification of the commercial structures as both the mentioned components are pressingly needed by the contractor. Commercial structures in both the components were counted and verified by reconciling with revenue/C&W papers and finalized for the admissible project allowances being commercial structures.
- During the reporting month S&R team participated in the 67th meeting of Review & Scrutiny Committee (RSC) in which reviewed/Scrutinized 67 the ESMR files, drafted MoM for the approved and recommended ESMR files and submitted to next tier for payment process.
- During the reporting month a consultation meeting was held with the community of Seer Gayal for the stoppage of work on access road. The community members were of the view that during the revenue survey the revenue officials deliberately declared major portion of the houses as non-residential and those houses will not be eligible for ESMR package in future. They were assured to resolve their genuine issues if any but the meeting participants did not accept the survey of S&R staff and insisted that first of all, their issue should be resolved then they will open the work.
- During the reporting month, a meeting of working committee was held on 20-03-2023 to review the referred back files from Filed Verification and Review & Scrutiny Committees. Four files required C&W correction and referred to C&W department.
- During the reporting month S&R team have prepared plenty of project allowance files for those AHHs who received their ESMR package. In this scenario the entire S&R team focused on the assigned task and by the grace of almighty Allah within the stipulated time allocated by the higher management the team achieved the target.

### **7.3 Public Consultation and Participation**

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

#### **7.3.1 Public Consultations Regarding Resettlement Sites**

Construction work on seven priority sites remained in progress during the reporting period. The Public Consultation and Participation (PC&P) Team remained engaged in resolving social issues mainly regarding under construction resettlement sites. Consultation team provided its support in resolving the issues related to design or any conflict between contractor and community during the construction activities. The basic aim for these meetings was to discuss the issues or concerns of the community and resolve these issue with input from technical team.

- **Uchar Resettlement Site – 01**, it was reported that the work on the water supply pipeline was stopped by Mr. Abdullah (Community Member). In this regard a meeting was conducted with Mr. Abdullah in DHC Office on March 2023. According to him the work was not stopped. He told the meeting that it was discussed with contractor that the land for the intake structure of the pipeline needs identified in consensus with community in a day or two because currently the community members are not available. He also added that contractor was asked to continue the work on other components of the pipeline during this time. The issue was resolved.

- **Chuchang Resettlement Site – 4 (Kuz Chuchang)** work stoppage by Mr. Sher Ghazi (Community Member) because of some concerns over the design of retaining wall. A meeting was conducted with him in this regard. He told that a 7 meter high retaining wall is designed which is not only hazardous in future but it will also block the access to his plot as there is no other way to reach within. He requested to kindly revised the design and upper 3-4 meter of retaining wall may be constructed a beyond the current alignment. The matter is with the Infrastructure section for further review.

### 7.3.2 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.

- **RAR – 02:** The community of Seer Giyal stopped the work on RAR–02 due to non-payment of compensation for land and houses. A community meeting was held on March 15, 2003 on site. Community said that the registry of the component (ROR Dogah End Point to Giyal Nullah end Point) is initiated in January 2023 and delayed due to the non-availability of Assistant Land Acquisition Collector. The community was not agree to resume the work until payment is done.

### 7.3.3 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 i.e. Shatial Nullah to End Point Area 3, Shatial Nullah to End Point Area 4, Dugah End Point to Gayal Nullah File 1 and Gul e Bagh Area 1.

## 7.4 Income and Livelihood Restoration Program (ILRP)

A Junior Livelihood Professional (Mr. Ghulam Nabi) is working with DHC for carrying out tasks related to Income and Livelihood Support Program. He is mainly engaged in conducting component-wise survey and preparing report on the “Utilization of Compensation Money”.

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 13 reports on 39 components have been completed and submitted to WAPDA, while the survey of village Seer Gayal is in progress. The report is not prepared as the revenue survey of one component in Seer Gayal village has is recently completed.

However, ILRP is no more under the scope of DHC and has awarded to the new Consultants (NESPAK) along with the implementation of Local Area Development Program (LADP). The consultants have taken over ILRP and have prepared revised plans and methodology. The component will further be reported by the new Consultants from the next month and the section will be deleted from DHC Report

The position of Junior Livelihood Professional is proposed to be re-designated as “Jr. Resettlement Professional” as he has continuously been assisting Resettlement Team is performing number of tasks, including; the preparation and review of projects allowances costs, files and further payments to the affected households as well as the preparation of ESMR files and the allowances of commercial structures.

## 7.5 Local Area Development Program (LADP)

The implementation of LADP was started in 2019. A total of three priority batches covering about 54 schemes has been finalized. two scheme “Solar Street Light at Komila and Dasu and

Construction of new RCC Bridge at Jalkot Nullah” are completed; while four more schemes ( Rehabilitation of Rural Health Center, Jamia Mosque, Komila, Sanitation and Sewerage system at Komila and Dasu (SSKD) and PKG 01 road Schemes) were awarded in 2020-22 and are under construction.

The implementation of LADP has now been assigned to the new consultants (NESPAK Consultants). The contract has been commenced and a team of consultants has arrived in Dasu and started their work. The Team of NESPAK Consultants is directly reporting to the Employer and the World Bank. In this regard, a number of meetings were held with the Director General Social Safeguard and the World Bank during the reporting month. The consultants had prepared their work plan and shared with the Employer. The team will start preparing the monthly progress report soon and report directly to the Employer and the World Bank. Thus, the section will be deleted from DHC Report.

#### **7.6 Public Health and Gender Implementation Plan (PHIP)**

Similarly, the Public Health Implementation Plan has also been included in the scope of new LADP Consultants (NESPAK) . A couple of meetings of WAPDA S&R Team including Assistant Director Public Health with the representatives of new consultants regarding the new arrangements were held during the month. The activities under this component are being supervised by the Director General Social Safeguards in assistance with Director S&R and Assistant Director Gender and community Health (WAPDA).From now onward the NESPAK Consultants will report the monthly progress of this component and the section will be deleted from DHC Report.

#### **7.7 Gender Implementation Plan (GIP)**

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

- Contract for the identified teacher has been signed by the teacher and DG-WAPDA, Social Safe guards WAPDA Office as per their standard procedures. The Skills Development Course has been inaugurated by Imam Masjid and village committee. The course has been started from March 7<sup>th</sup>, 2023. Women have also learnt numbers from 1 to 20 for understanding measurements of dresses. There are 24 learners in the course and they are attending the course regularly. Eight of the women have started learning Urdu and Numeracy from their girls’ primary school teacher as a result of skill development process.
- Gender Awareness and sensitization 'Participants hand Book' in Urdu reviewed and is now at final stages.
- To promote healthcare and hygiene in the project area and to ensure that women have access to prenatal, postnatal and delivery services at local level, DHC has taken initiative to select local women for Lady Health Visitor (LHV) course. Local women will have full command over the local language and cultural dimensions. Women of the project area will be able to avail health services more confidently at their door step on regular basis.
- LHV course is at initial stages and till now, a total of 35 candidates available after advertisement and their documents are collected. Letter of request to Secretary Health and Pakistan Nursing Council is sent for further steps with Provincial Health Services Academy (PHSA). A written test will be, conducted as a process of selection.
- Draft undertaking for candidates has been developed in URDU with the consultation from Social & Resettlement team for streamlining the two years long course with a better discipline. The same is shared with Senior Management for a final review.
- In March, 2023, follow-up coaching sessions with key religious leaders were conducted. These religious leaders are facilitated to play a role in educating and mobilizing other religious leaders to work on women and girls; needs in their respective areas. These key religious leaders were explained, about the criteria to form an executive body of religious leaders and their role in formation and strengthening of the body.
- A follow-up meeting with key religious leaders was also held for the design of upcoming workshop for religious leaders in the context of ‘girls’ education’ and their role to be played as resource person; conducting session on ‘women and girls’ education from an Islamic perspective’ for other religious leaders.

- In order to promote women and girls literacy in the project areas, a proposal for the Literacy Course (10 months) for Bari Rango Village had been developed, finalized and approved by WAPDA.
- For the implementation; a formal Letter of Understanding (LOU) has been signed between National Commission on Human Development (NCHD) and Director General, Social Safeguards, Dasu Hydropower Project (DHPP), Dasu. NCHD has been engaged as this is government authorized; having their mandate and all the required capacities of conducting Literacy Courses across KPK (Pictures at the end of this report).
- A total of 27 women and girls have ensured their enrolment and a local teacher is available and committed. These courses will enable women to read, write and speak Urdu along with basic numeracy. Communication is a big barrier for Kohistan women and is restricting their access to any facility and ultimately causing low self-esteem, poor health etc.
- Follow-up sessions with local activist have been conducted for maintaining the spirit among their respective communities especially candidates identified for Lady Health Visitors Course (LHV) and Literacy Course.

### 7.8 Implementation of Communication Plan

Following major activities were carried out during the reporting month

- Communication Team remained engage in public dealing in the Public Information Centre and sharing information regarding Dasu HPP with local community and general public.
- Preparation of Contents for Digital Display Screen is a continuous activity. New content selected and modified for SMD have been displayed after approval from the management.
- Coverage of different events and meetings remained in progress during the reporting month, communication team also captured photos of different sites regarding progress.
- Coverage of the different project activities for information of all the stakeholders through social media pages of Facebook, YouTube etc. (continuous activity).
- Updated project progress on Dasu HPP website, updated content and published new events on project website.
- The “Hiring of twelve vehicles for security purpose” and “Pic & Drop facility for School going children on 15 different routes” remained under process.

### 7.9 Independent Grievance Redress Committee (IGRC)

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

### 7.10 Migration Management

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

Workforce data of all contractors as well DHC and WAPDA was entered in MIS till the last month (February, 2023). Based on the workforce data received from various contractors and other organizations a total of 6,197 workers / staff were estimated. Out of total (6,197); 2,792 (45%) were locals, 2,700 (44%) were non-local national, while 705 (11.2%) were foreigners. A total of 27 females were working in the project during the reporting month which is almost 1 percent of the whole workforce.

Following table shows the details of the in-migrants at Dasu Site during the reporting month:

S.No	Components	Contracts	Locals	Non-Locals		Foreigners		Component wise Total	Total
			Male	Male	Female	Male	Female		
1	WAPDA/ LA&AU	WAPDA-DHHP	159	310	0	0	0	469	469
2	DHC	DHC-DHPP	231	125	2	20	0	378	378
3	CGGC	MW-01	1064	422	0	237	9	1732	4006
		MW-02	932	778	0	216	13	1939	
		RAR-02	94	21	0	30	0	145	
		KKH-02	94	50	0	46	0	190	
4	CCECC	RAR-01	56	82	0	13	1	152	741
		KKH-01	48	449	0	90	2	589	
5	CGICOP	PCI-01R	32	162	0	10	0	204	204
6	KGL	DASU-RV	12	88	0	0	0	100	100

7	PCCCL	TL-01	29	57	0	13	0	<b>99</b>	<b>99</b>
8	Zhongmei	LBRV-11&12	10	4	0	2	0	<b>16</b>	<b>16</b>
9	IKAN	LADP	4	51	0	0	0	<b>55</b>	<b>55</b>
10	MSC	Consultant	11	7	0	1	0	<b>19</b>	<b>19</b>
11	NESPAK	LADP Consultant	3	10	0	0	0	<b>13</b>	<b>13</b>
12	GE-PC (JV)	EM-01	13	82	0	2	0	<b>97</b>	<b>97</b>
<b>Total</b>			<b>6197</b>	<b>6197</b>	<b>6197</b>	<b>6197</b>	<b>6197</b>	<b>6197</b>	<b>6197</b>

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 month. This data was collected through law-and-order representative (Deputy Director Security (Social), WAPDA office. Total 851 security personals have been engaged for DHPP during the reporting month as mentioned in the table. (30 Persons from regular FC are not included).

### 7.10.1 Other Major Activities during the month

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

- Office work and preparation of Kuma Chairlift case
- Updating In-migrants data and work on Kuma chairlift file.
- Field visit to M/s CGGC CT-02 site regarding monitoring & inspection of site related to workers.
- Field visit to M/s CGGC CR-02 & 09 site regarding monitoring & facilitation of workers at site.
- Field visit to M/s CCECC camp at Zaal and EM-01 at Kas site regarding monitoring and inspection of workers facilitation at camp and work site
- Updating data and sharing of details regarding Local, Non-local especially Kashmiris for DG (SS) and onwards submission.
- Updating data and summarization of data regarded to Technical/Non-Technical staff.
- Preparation and submission of Monthly Progress Report of Migration Management for the month of March-2023 to Communication section and for further submission.

### 7.11 Internal Monitoring and Evaluation (M&E)

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

#### 7.11.1 Monitoring of Compensation Payment Process at DC Office

During the month of March 2023, a total amount of PKR 19.52 billion was paid, including PKR 19.17 billion to 7,962 PAPs through 11,777 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

S. No.	Components	Status by Feb 2023			Status during Mar 2023			Grand Total
		# of PAPs	# of CHQ	Amount (In Billion)	# of PAPs	# of CHQ	Amount (In Billion)	
1	All Components	7924	11730	19.09	38	47	0.076	19.17

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

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

S. No.	Components	Status by Previous Month			Status during Reporting Month			Grand Total
		PAPs	CHQ	Amount	PAPs	CHQ	Amount	
1	Kass Disposal Area-01 (File-01)	64	99	147.439				147.439
2	Kass Disposal Area-01 (File-02)	28	67	115.372				115.372
3	Kass Disposal Area-01 (File-03)	52	72	109.621				109.621
4	Kass Disposal Area-02	112	278	175.834				175.834
<b>Total</b>		<b>256</b>	<b>516</b>	<b>548.268</b>				<b>548.268</b>

#### 7.11.3 Accounts Adjustment Submissions to WAPDA

During the month, M&E team worked on identification of remaining paid cheques to be processed for accounts adjustment. During the reporting month accounts adjustment summaries were

prepared for the total amount of PKR 118.14 million. In addition, team worked on finalization of supporting booklets after collection of signed Qabzul Wasools from DC Office and preparation of required copies of each book.

S. No.	Components	Status by Previous Month	Status during Reporting Month	Grand Total
		Amount	Amount	Amount
1	Final Summaries Submitted to WAPDA	18,821,487,872	0	18,821,487,872
2	Preparation of Summaries and Supporting Booklets	19,160,737,093	118,138,721	19,278,875,814

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

At the end of March 2023, a total amount of PKR 101,593,447/- paid as TRP to 210 RVs (PKR 90,738,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. In addition, PKR 3,926,220/- were paid to 43 commercial structures of Barseen, Khushi, Siglo and Tailrace Kuz Chuchang Area.

**Note:** Out of 210 AHH who received TRP, 72 Opted for ESMR package and their TRP was stopped from date of ESMR Payment.

During the reporting month, an amount of PKR 10,350,000/- paid for Temporary Relocation Package to 58 affected HHs from 04 resettlement components. M&E team conducted a verification exercise, updated missing entries and corrected components in the database.

S. No	Component	Status by Feb 2023			Status during Mar 2023			Grand Total
		RVs	Self	Amount	RVs	Self	Amount	
1	Additional ROW (KKH-01)	6	4	4,996,086	0	0	-	4,996,086
2	Bar Chuchang	1	3	723,869	0	0	-	723,869
3	Khushi Access Road to Ventilation Tunnel	13	1	4,790,800	12	0	2,115,000	6,905,800
4	Khushi Dumping	9	8	5,871,191	2	0	270,000	6,141,191
5	Khushi to Logro	58	0	4,750,000	43	0	7,785,000	12,535,000
6	KKH-01 (ROW)	34	22	27,127,961	1	0	180,000	27,307,961
7	Logro	43	0	23,396,616	0	0	-	23,396,616
8	RAR-01 (ROW)	16	26	9,245,959	0	0	-	9,245,959
9	Uchar Thoki (Uchar Contractor Camp-2 Thoki)	15	0	3,275,000	0	0	-	3,275,000
10	WAPDA Offices and colony Chuchang	1	0	416,447	0	0	-	416,447
11	Zhongmei Camp	4	1	2,658,200	0	0	-	2,658,200
12	Khushi Access Road	0	18	2,263,741	0	0	-	2,263,741
13	Tailrace Area Kuz Chuchang	10	3	1,727,577	0	0	-	1,727,577
<b>Total</b>		<b>210</b>	<b>86</b>	<b>91,243,447</b>	<b>58</b>	<b>0</b>	<b>10,350,000</b>	<b>101,593,447</b>

By end of reporting month, resettlement allowances released to 328 AHHs who already received their ESMR Package, this number is in addition to 84 AHHs who received their admissible allowances before announcement of ESMR package. A total amount of PKR 8.821/- million is paid on account of resettlement allowances

During March 2023, resettlement allowances were paid to 31 AHHs, total amount of PKR 909,139/- paid as resettlement allowance during the reporting period.

Sr. No.	Village Priority	By Feb 2023		During Mar 2023		Grand Total	
		No. of AHHs	Amount	No. of AHHs	Amount	No. of AHHs	Amount
1	Priority I Villages	228	5,790,903	26	802,585	254	6,593,488
2	Priority II Villages	69	1,821,195	5	106,554	74	1,927,749
3	Priority III Villages	0	-	0	-	0	-
<b>Total</b>		<b>297</b>	<b>7,612,098</b>	<b>31</b>	<b>909,139</b>	<b>328</b>	<b>8,521,237</b>

#### 7.11.5 Preparation and Review of Files and Payment of ESMR Package

Preparation of AHHs files for payment of Extended Self-Managed Resettlement (ESMR) Package remained in progress. During March 2023, a total amount of PKR 339.50 million paid as ESMR package to 97 AHHs. By the end of reporting month ESMR package was paid to 1,234 AHHs of batch-1, 2, 3 and 4, total amount paid on account of ESMR is PKR **4315.05** million. An amount of PKR 100,000 was over mentioned during last monthly report, this was corrected during the reporting month.

S. No.	Batch	Total AHHs	By Feb 2023		During Mar 2023		Total	
			Paid AHHs	Amount	Paid AHHs	Amount	Paid AHHs	Amount
1	Batch-1	84	78	269.10	0	0.00	78	269.10
2	Batch-2	960	488	1707.95	44	154.00	532	1861.95
3	Batch-3	966	535	1872.50	52	182.00	587	2054.50
4	Batch-4		36	126.00	1	3.50	37	129.50
5	Batch-5		0	0.00	0	0.00	0	0.00
<b>Grand Total</b>		<b>2010</b>	<b>1137</b>	<b>3975.55</b>	<b>97</b>	<b>339.50</b>	<b>1234</b>	<b>4315.05</b>

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

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

- Data entry of land compensation payments in MIS from received Qabzul Wasool remained in progress. During reporting period data entry of 11,259 (95.6% of total cheques/Qabzul Wasools) have been entered in MIS. Data entry of remaining Qabzul Wasools is in progress, a backlog of 481 Qabzul Wasools recorded by end of the reporting period.
- Total 97 SMR cheques issued to AHHs, all issued cheques were entered in MS Excel Database and MIS also.
- TRP payment was released to 58 AHHs of various components, all the cheques were organized and entered in MS Excel and MIS database.
- Resettlement allowances cheques were issue to 31 AHHs by end of reporting period, all these issue cheques entered in MS Excel database and updated summary tables.
- Compensation Payments Summary tables & progress reports were updated during the reporting month.

S. No.	Task	Status by Previous Month	Status During Reporting Month
1	PAPs Documents Organized	42,432	744
2	Compensation Payment Entry in MIS	11,259	0
3	Lease Payment Data Entry in MS Excel Database	516	0
4	PAPs Documents Uploading in MIS	23,111	0
5	TRP Cheques Entry in MIS	1365	58
6	SMR Cheques Entry in MIS	1137	97

### 7.12 Development of Management Information System

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

#### 7.12.1 OHS Document Management System

During March 2023, complaint status sub module for GRC have been developed for better report generation. This sub module covers invalid, resolved, un-resolved and rejected complaints. The system uses the data stored into MIS database for table generation.

Following tasks were the major components of the GRC table:

- Category wise grievance type
- Period wise tables
- Time to resolve grievances
- Development system's security and access control system

#### 7.12.2 Upgradation of Land Acquisition report structure:

During March 2023, Land Acquisition report design was further improved. Under this all component wise data of land acquisition and compensation payments is designed to fetch according to specific period and the system will generate reports accordingly

Following modules were updated during the reporting month

- Identification and development of the input modules submodules
- Output table now shows the total compensation period wise
- It also displays the total area acquired period wise
- system's security and access control have been improved
- Document and category management has made more user friendly



### 7.12.3 Maintenance of Operational Modules

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

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

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

Sr. No	Key Performance Indicator (KPI)	Status by February 2023	Progress during March 2023	Remarks
<b>&gt; Land Acquisition and Compensation Payment (LA&amp;CP)</b>				
1	Land Acquired (Acres)	4,781	1	Total land acquired 4,782 acres (95% of the total land)
2	Number of PAPs Compensated	7,889	35	Total PAPs compensated 7,924
3	Compensation Paid (Billion Rs)	19.41	0.0173	In addition to this an amount of Rs. 245 M paid to courts and Rs.93.32 M, directly paid to PTDC & FWO
4	GIS Verifications Completed (Number of Components)	282	00	GIS Verification of all the components have been completed
5	GIS Verification Completed (Area of Components in Acres)	5039	00	
<b>&gt; Resettlement &amp; Relocation (R&amp;R)</b>				
1	Number of Resettlement Sites Completed	2	0	Two resettlement sites Uchar RV-01 & Chuchang Additional completed and handover to the community
2	Number of HHs received TRP relocating to RVs	210	58	<ul style="list-style-type: none"> <li>&gt; Out of 210 AHHs getting TRP, 72 have opted for ESMR and their TRP has been closed in 2022 after the ESMR payment.</li> <li>&gt; 58 out of 210 AHHs received TRP quarterly instalment during the month.</li> </ul>
3	Total TRP paid to AHHs relocating to RVs (RS Million)	91.243447	10.35	
4	Number of HHs received TRP relocating on SMR	86	0	All 86 AHHs have received their project allowances including ESMR allowances and have been relocated.
5	Total TRP paid to AHHs relocating to SMR (M. Rs)	10.854893	0	
6	<b>Total TRP paid to AHHs (RVs+SMR) (RS Million) (3+5)</b>	<b>102.09834</b>	<b>10.35</b>	
7	New ESMR paid (No. of AHHs)	1137	97	
8	New ESMR paid (RS Million)	3975.55	339.50	An amount of PKR 100,000 was over reported during last monthly report, which is corrected during the reporting month.
9	Allowances Paid to Owners of Commercial Structures (RS Million)	3.92622	0	Including dislocation, Shifting and Covered Area Allowance per square meter
<b>&gt; Public Consultation and Participation (PC&amp;P)</b>				
1	Number of Consultation Meetings Conducted	810	03	Various meetings were conducted regarding ESMR Package.
2	Percent issues / disputes resolved	89	33	The resolution of remaining issues in progress
3	Number of PAPs participating in consultation meetings (Approximately all (100%) PAPs were consulted during Planning & Design Stage)	87	91	PAPs from related villages presented during the meetings
4	Percentage of their suggestions taken into account	86	88	The suggestions regarding design changes are sometimes difficult to accommodate
<b>&gt; Income and Livelihood Restoration Program (ILRP)</b>				
1	Number of UCM components Completed & submitted	13	---	13 reports prepared & submitted to WAPDA.
2	Number of UCM components (survey completed and reports in progress)	--	---	---
3	Survey for UCM in progress	1	---	Survey in progress, 1, Seer Gayal village
				Journalist (10 days)
				10 Journalist
<b>&gt; Gender Implementation Plan (GIP)</b>				
1.	Number of Gender Sensitization Sessions(coaching and dialogues) Conducted with CGBT / WVCs	26	2	Two sessions have been carried out in Kuz Chuchung with women village committee to ensure their support for the women activities i.e. skill development course.
2.	Number of Skill development courses started	01	01	Teacher Contract has been signed and the course has been started from 7 <sup>th</sup> of March 2023. There are 24 women and girls who are attending the course with keen interest and have developed various stitching and embroidery material in a very short time. They proved their talent and interest. Pictures are at the end of report.
3.	Number of Schools Covered under Health & Hygiene Program	02	0	
4.	Number of Project Staff (including Contractor's staff) Benefited from sensitization trainings/coaching sessions	90	2	Two local staff of DHC have been facilitated and coached for maintaining the interest of communities for Skill Development course, and future skills to be acquired i.e. advance level or some other trades.
5.	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	04	3	List of third batch is developed and is forwarded for approval. One coaching session has been conducted with three key Ulema for the upcoming workshop for religious leaders and floating ideas for women activities.
6.	Number of Ulemas Benefited	99	3	Individual coaching sessions are found more practical and action oriented.

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Sr. No	Key Performance Indicator (KPI)	Status by February 2023	Progress during March 2023	Remarks
7.	Percent of women using health facilities in project area	35	8	Figure is updated from the meeting with health department and visit to DHQ, Dasu.
8.	Percent of women engaged in Income Generating Activities in the Project Area	41	0	Figure is updated from the information from local activists. Small shops run by women in the villages.
<b>&gt; In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)</b>				
1	Total Staff working on DHPP	5,269	6,197	Workforce data includes staff (including labor) of all contractors, DHC, and WAPDA
2	Local Staff working on DHPP	2,685	2,792	
3	Non-local Staff working on DHPP	1,932	2,700	
4	Foreigner Staff working on DHPP	652	705	
5	Number of Awareness Sessions on CoC Conducted with Community	27	00	
6	Number of Total Participants in Community Awareness Sessions	424	00	
<b>&gt; Communication Plan (CP)</b>				
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	86	02	All project events including important meetings, ceremonies, exposure visits, and other events
<b>&gt; Internal Monitoring and Evaluation(M&amp;E)</b>				
1	Compensation Payments (in Billion)	19.09	0.076	
2	Compensation Payments Entries in MIS (Number)	11,259	0	
3	Preparation of ESMR Files	1,978	0	
4	Release of ESMR Payment (in Million)	3975.55	339.5	
5	ESMR Payment Data Entry in MIS	1137	97	
6	TRP Payments (in Million) (AHs & Commercial Structure)	95.169	10.351	
7	TRP Data Entry in MIS (Number)	1,365	58	
8	Preparation of Compensation Payment Summaries for WAPDA Submission (Million)	19.16	118.139	
9	Submissions of Compensation Payment Summaries to WAPDA for Adjustment (Million)	18.82	0	
10	PAPs Documents Organization (Number)	42,382	744	
11	PAPs Documents Uploading in MIS (Number)	23,111	0	
12	Development and Operationalization of MIS Developed Modules	11	0	
13	Number of Internal M&E (SRMP & EMAP) Reports	11	0	
14	Lease Payment (Amount in Million)	548.27	0	
15	Lease Payment Data Entry in MS Excel Database	516	0	
<b>&gt; Development of Management Information System (MIS)</b>				
1	Total Modules developed	16	0	Web portal & Communication are merged into one M&E and Reporting system are also merged into one
2	Number of Modules Completed	12	0	Land Acquisition, Resettlement, IGRC, LADP, IMM,PH, Reporting System, Web Portal, Lease, Gender, PC&P, Communication
3	Number of Modules Partially Completed	04	0	Environment, Downstream Reports
4	Number of Modules in Progress / Up-grades	04	1	OHS
5	Number of Remaining Modules (Development yet to be started)	1	0	Ecology
6	MIS Development Work Completed (%)	87	0	This percentage is for MIS development activities.

### 7.14 Implantation Plan of S&R Teams for Next Month

Sr. No	Activity	Timeline	Status / Remarks
<b>&gt; Land Acquisition and Compensation Payment (LA&amp;CP)</b>			
1	Digitization of rectified revenue record received from LAC	Continuous Tasks / Activities Delivered as per agreed timelines as well as urgent requirements	About 93% of land has been acquired so far. Land leasing of Kass is in progress. Land Acquisition of KKH-01 and KKH-02 Additional Land is in progress. Assessments of built-up property and fruit trees of remaining components in progress. Compensation payments in progress.
2	GIS verification of targeted components as per timelines		
3	Preparation of Corrigendum u/s-4 for submitting to WAPDA & LAC		
4	Verification of cost assessments of land and land based assets (Trees & Built-up Property) of required components		
5	Update the status of LA and GIS verification for submitting to WAPDA		
<b>&gt; Resettlement &amp; Relocation (R&amp;R)</b>			
1	Preparation of ESMR Files	Continuous	Various villages
2	Collection of document from Community for ESMR Files	Continuous	
3	Monitoring of under construction resettlement sites	Continuous	Visit to all ongoing site will be carried during the month

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

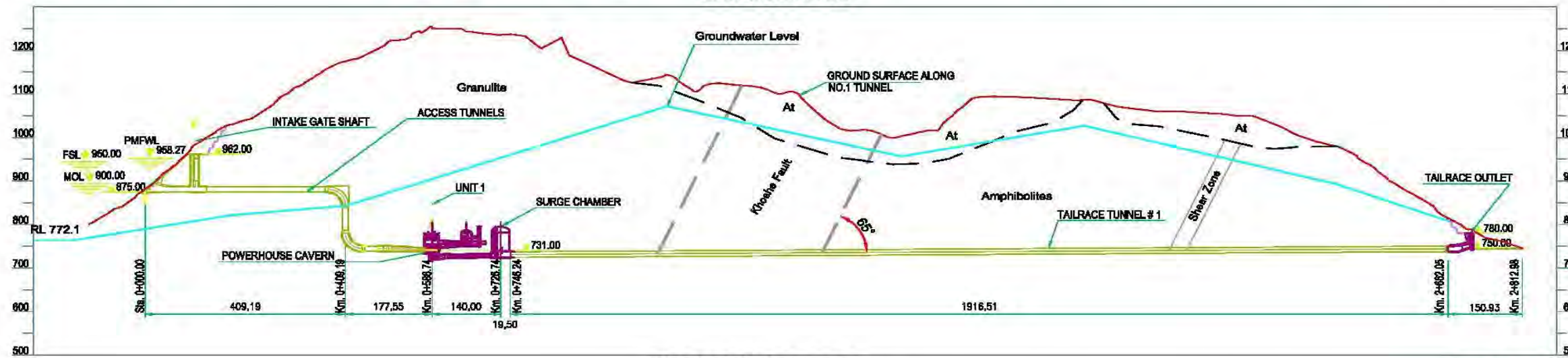
Sr. No	Activity	Timeline	Status / Remarks
4	Preparation of TRP files and Distribution of TRP Cheque	Continuous	Payment to the beneficiaries who already receiving the TRP
5	Matching AHHs data of remaining villages with GIS Verified record.	Continuous	GIS verification of some villages is awaited.
6	Other Key Activities( Letter, meetings with WAPDA, Contractor and stakeholders)	Continuous	As needed
<b>➤ Public Consultation and Participation (PC&amp;P)</b>			
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
<b>➤ Gender Implementation Plan (GIP)</b>			
1	Visit to Kuz Chuchang skill development course for Monitoring and support of Skill Development Course for a group of 24 Women.	Second Week of April	Skill development course has been started, and women are taking keen interest. Dedicated and experienced teacher from Abbottabad has signed the contract and teacher and learners are all very regular, opening doors for other women skill development. Regular field visits will ensure the quality of work.
2	Follow-Up sessions with selected Ullema, for the third batch of trainings to have their feedback for an updated course.	1 <sup>st</sup> and third Week of April, 2023.	Key Ullema are engaged on regular basis, briefed about women activities, making them aware of and supporting the initiatives in the communities.
3	Gender Sensitization Session With CBGT/ WVCs in selected Villages	2nd Week of April, 2023	Discussions on women skills development courses and their economic development through variety of skills and entrepreneurship.
4	Gender Sensitization coaching sessions held with Various Target Group (PMU, DHC, Contractor and other Stakeholders)	1 <sup>st</sup> and second week of April	Discussion with women on various skill development i.e. women role in income generation, education and improving health facilities.
5	Preparation of Implementing Plan on SH&HP for further villages and follow ups with the existing villages	2 <sup>nd</sup> and 3 <sup>rd</sup> week of March	Meetings with DO, Government High School and Primary School staff about the health and hygiene sessions for students
6	Implementation on EPP Plan will be decided in GCW Meeting	3 <sup>rd</sup> week of April	Budget will be transferred to NCHD and purchases of Literacy Course will be made.
7	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	3 <sup>rd</sup> week of April	A workshop has been designed and sent to WAPDA Office for their comments; proposal will be reviewed in light of comments by PMU, WAPDA office. The proposal is designed in consultation with key religious leaders from advisory body of progressive religious leaders.
<b>➤ In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)</b>			
1	Collection of workforce data and entry in MIS	Continuous activity	
2	Awareness Sessions with Labor	Continuous activity	
3	Awareness Sessions with Community	Continuous activity	New IMM Specialist will join soon
4	Camp Inspection	Continuous activity	
<b>➤ Communication Plan (CP)</b>			
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
1	Consultation regarding issues related to ongoing resettlement Sites (under construction)	Continuous	As and when needed – Resolution of pending issues will be continued
<b>➤ Internal Monitoring and Evaluation(M&amp;E)</b>			
1	Submission of MPR on M&E Section	03-04-2023	
2	Preparation of Compensation Payment Summaries	30-04-2023	
3	PAPs documents uploading	Continuous	
4	Support in Development of MIS	Continuous	
5	Compensation and TRP Payments	Continuous	
6	Review of comments on ESMR Referred Back files from FVC and Remove Deficiencies	Continuous	
7	Resettlement Allowances Payments and Data Management	Continuous	
8	Monthly M&E Reports on SRMP (Jul and Aug)	10-04-2023	
<b>➤ Development of Management Information System (MIS)</b>			
1	Development of UA UC & NM Module	April 2023	Development of all features of UA UC & NM system
2	OHS Progress Review Reports module` to be analyzed	April 2023	All features of OHS progress review reports to be discussed and analyzed
3	Technical Support / development of new features in existing modules if required	April 2023	Maintenance of developed and operational modules. It can include improvements in existing systems, addition of new features in existing modules as per requirements

# FIGURES

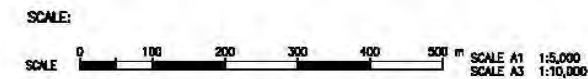




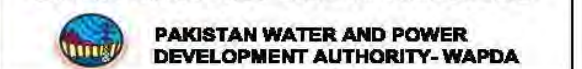
LAYOUT PLAN



WATERWAY PROFILE



**DASU HYDROPOWER PROJECT**



**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

Rev. No.	DATE	REVISION	Appr.
Prepared		Reviewed	Approved

Name: Kawagoe Toshio Name: Nehimiya Hirorobu Name: Iijima Motohiko

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.

Figure 1: Layout Plan & Waterway Profile

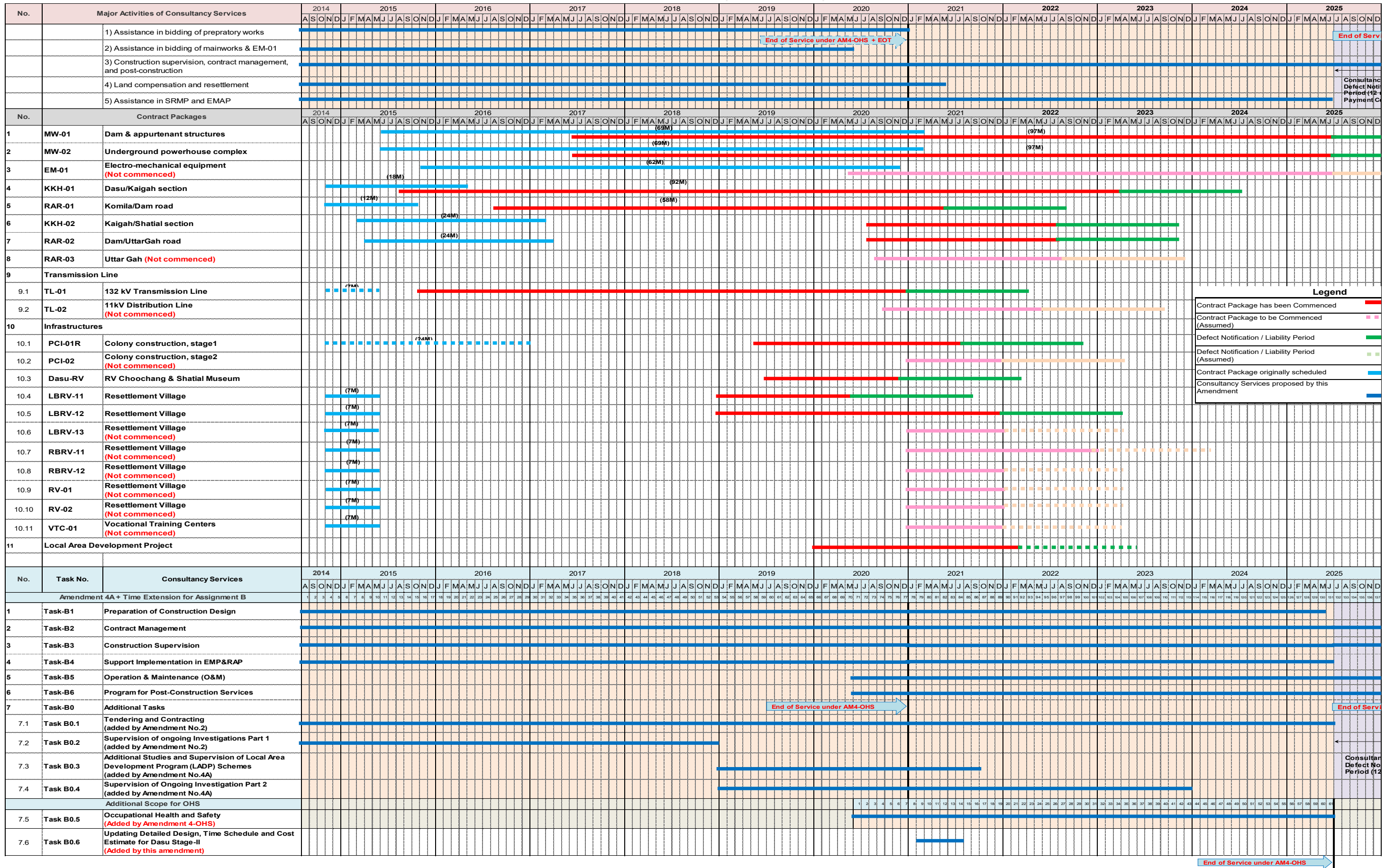


Figure 2: Implementation Schedule

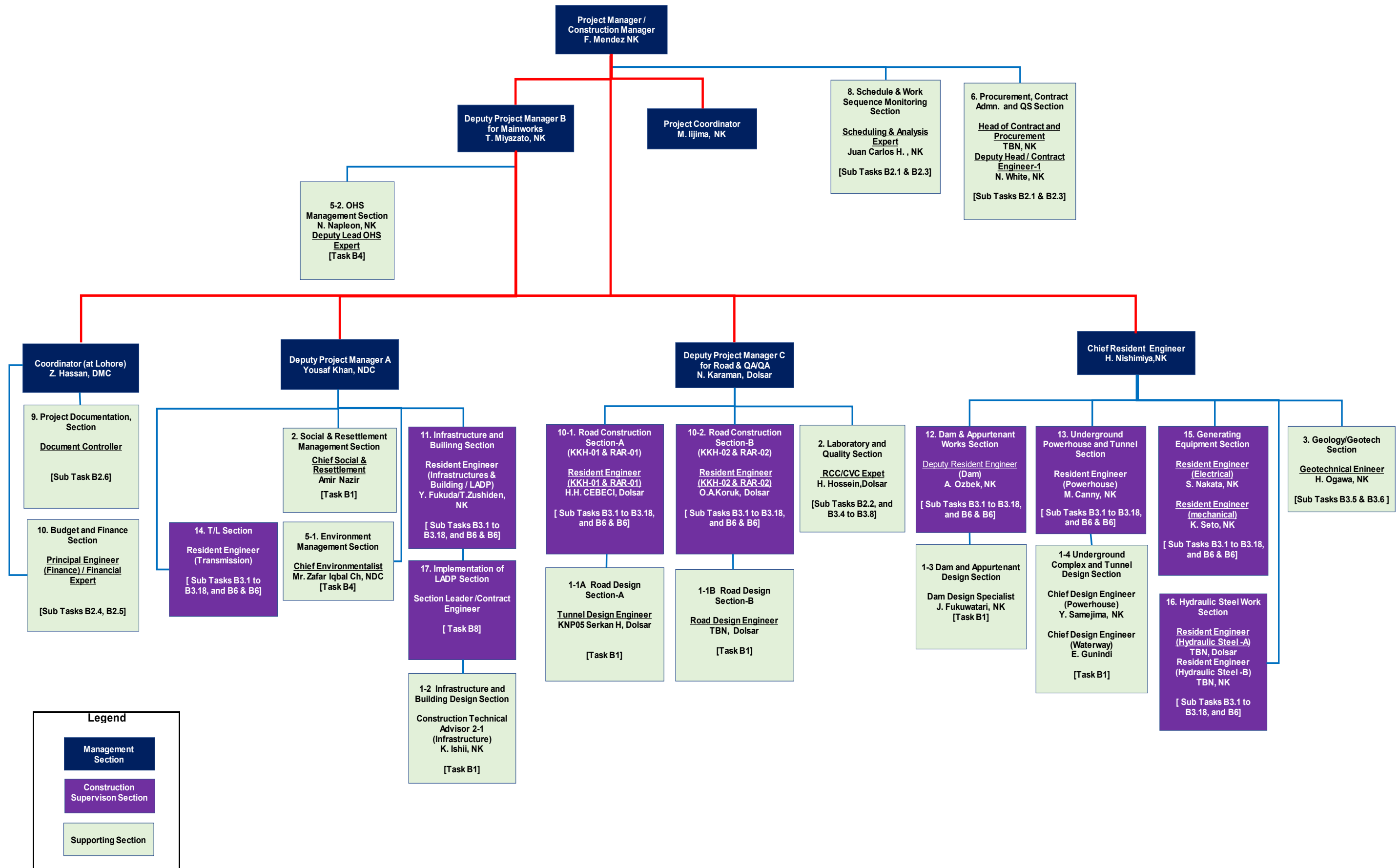


Figure 3: Organization for Consultant Team of Dasu Hydropower Project for Assignment-B





**Work Progress  
Upto Reporting Month**

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

SCHEDULE   
PROGRESS 

Figure 4: Work Progress

**DASU CONTRACTS PROCUREMENT SCHEDULE (March, 2023)**

Sr. No.	ACTIVITY	2021						2022												2023											
		J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
1	KKH-01																									Work Under Progress					
2	RAR-01																									Work Under Progress					
3	TL-01																									Work Under Progress					
4	PCI-01R																									Work Under Progress					
5	DASU-RV																									Work Under Progress					
6	KKH-02																									Work Under Progress					
7	RAR-02																									Work Under Progress					
10	Resettlement Villages LBRV 11, LBRV 12																									LBRV11 & 12 Under Progress					
11	Bid of Resettlement Villages LBRV 13, RBRV 12, RV-01, RV-02																														
12	Bid of PCI-02																														
13	Bid of VTC-01/Technical College																														
14	MW-01																									Work Under Progress					
15	MW-02																									Work Under Progress					
16	EM-01																									Work Under Progress					

**Legends**

- Revision/Preparation of Documents
- Commencement Issued & Work in Progress
- Commencement

**Figure 5: Contracts Procurement Schedule**

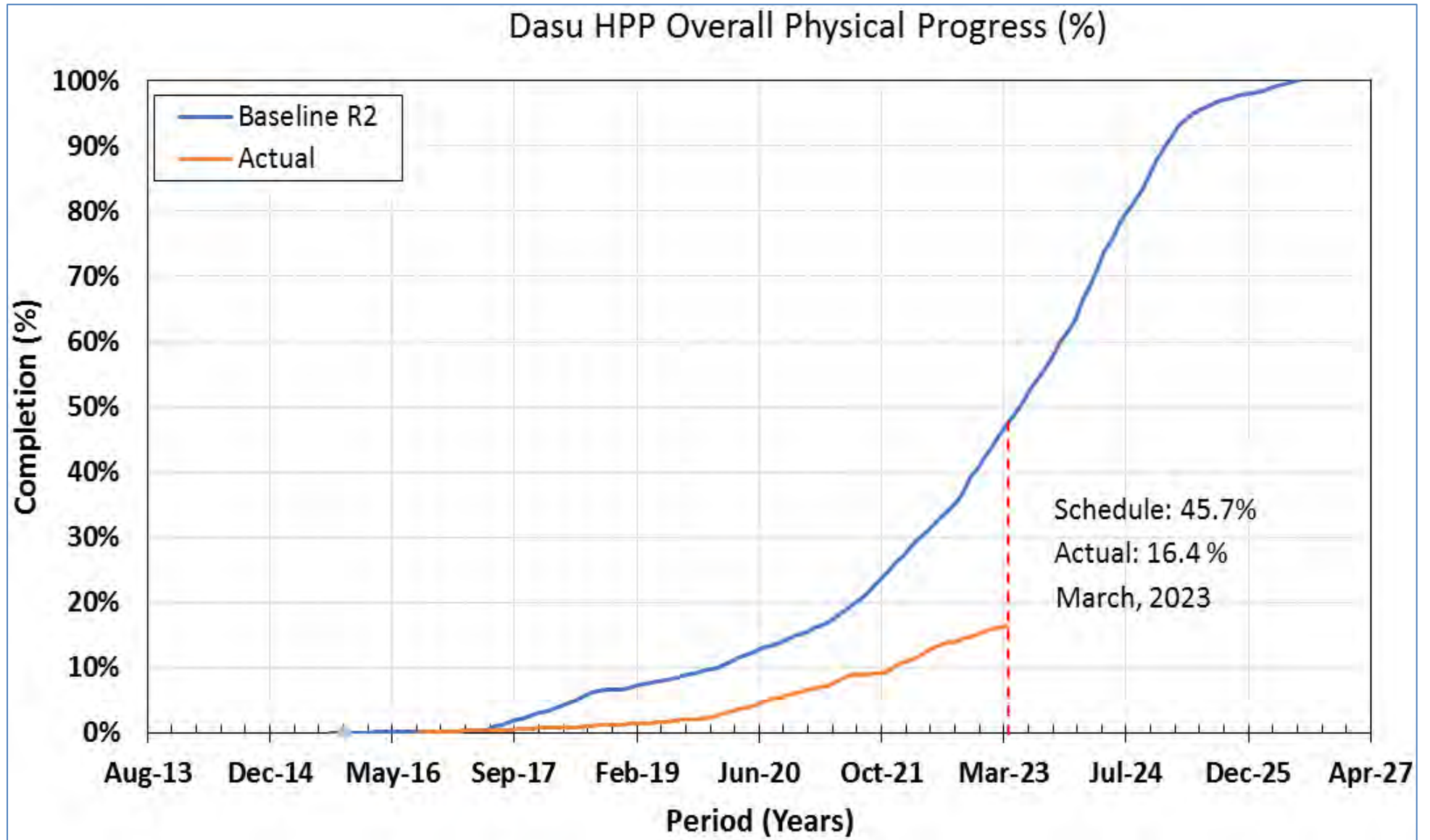


Figure 6: Dasu HPP Overall Progress (Physical Progress)

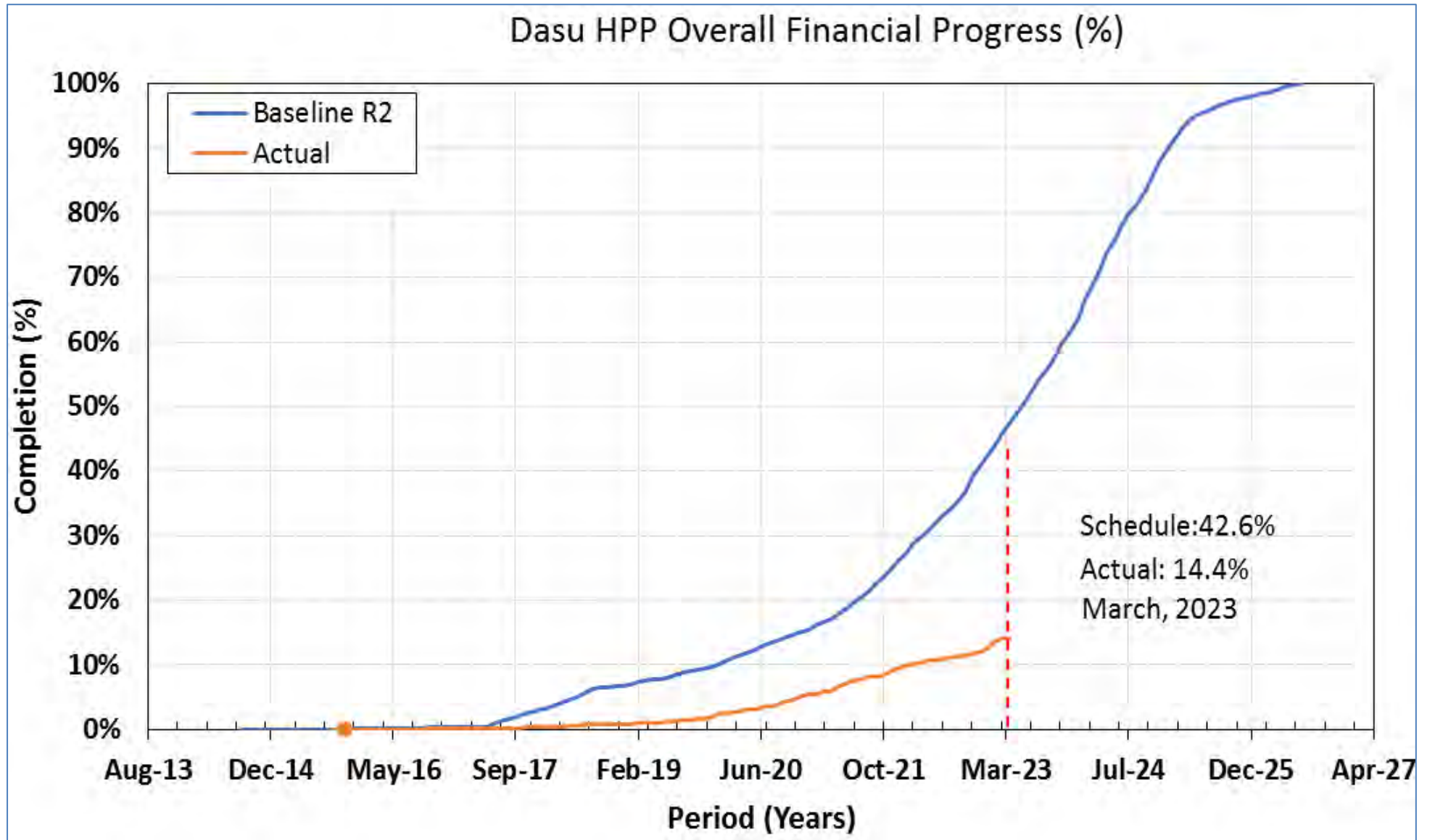


Figure 7: Dasu HPP Overall Progress (Financial Progress)













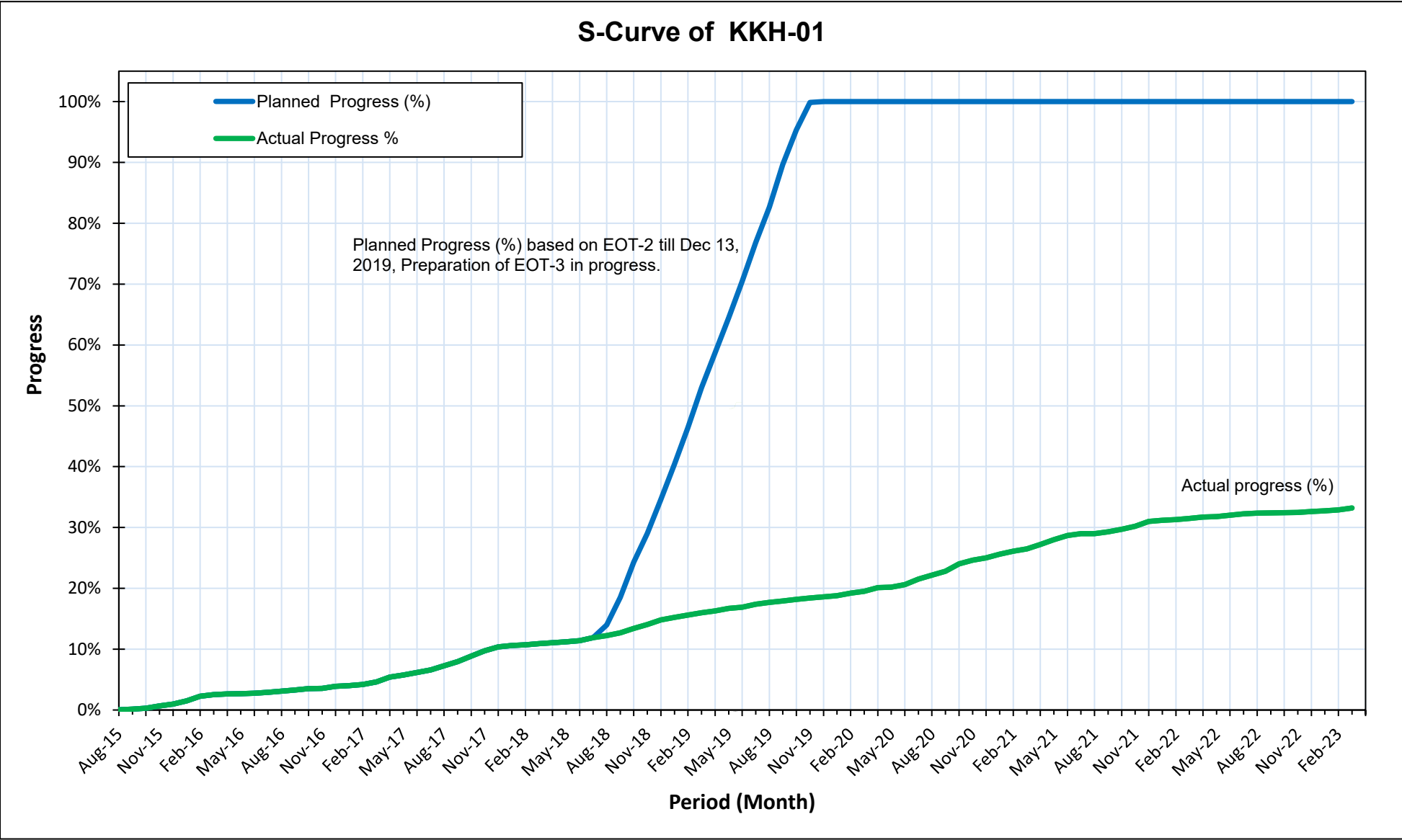


Figure 9: S Curve for Dasu-KKH-01

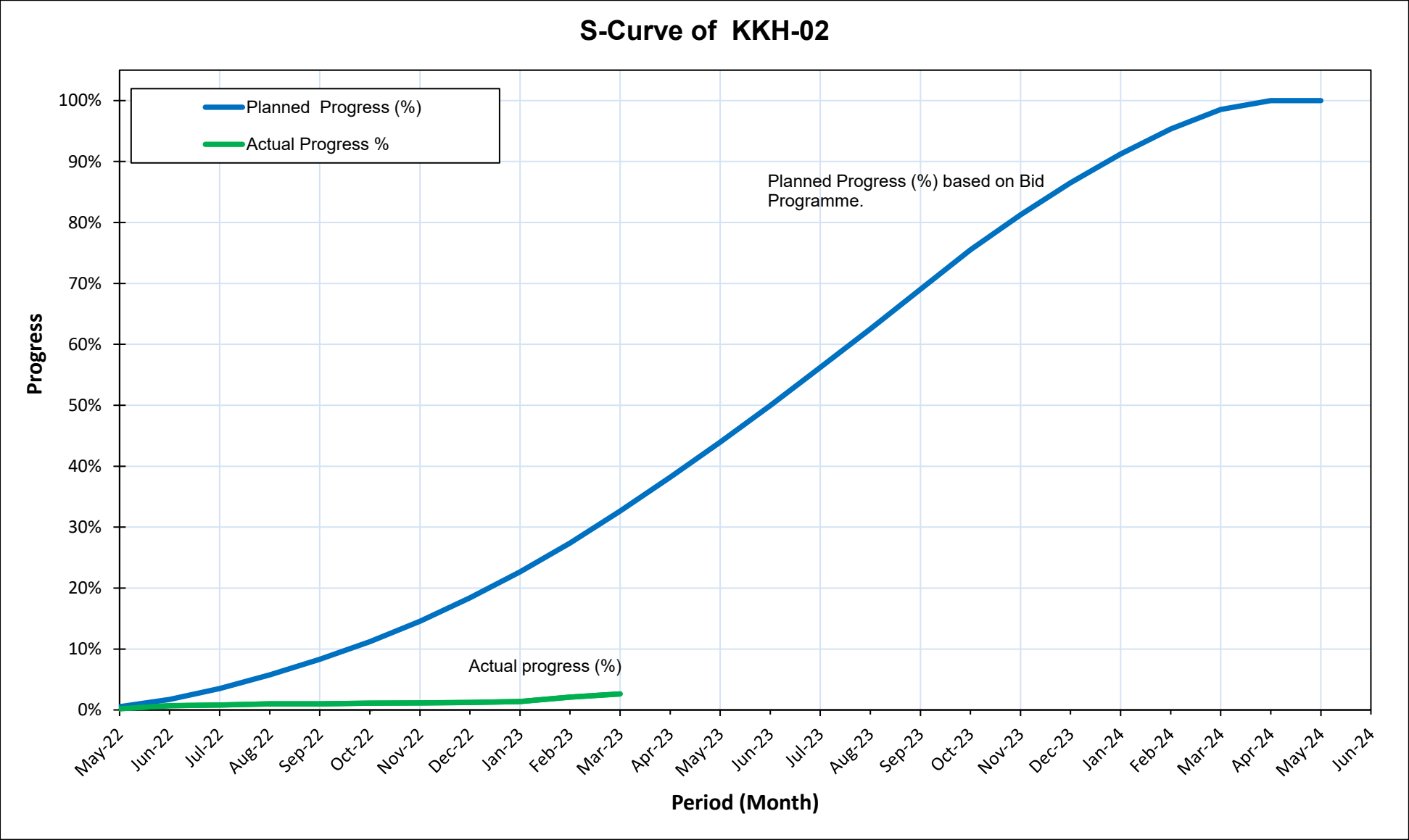


Figure 10: S Curve for Dasu-KKH-02

Figure 11 [1/6]

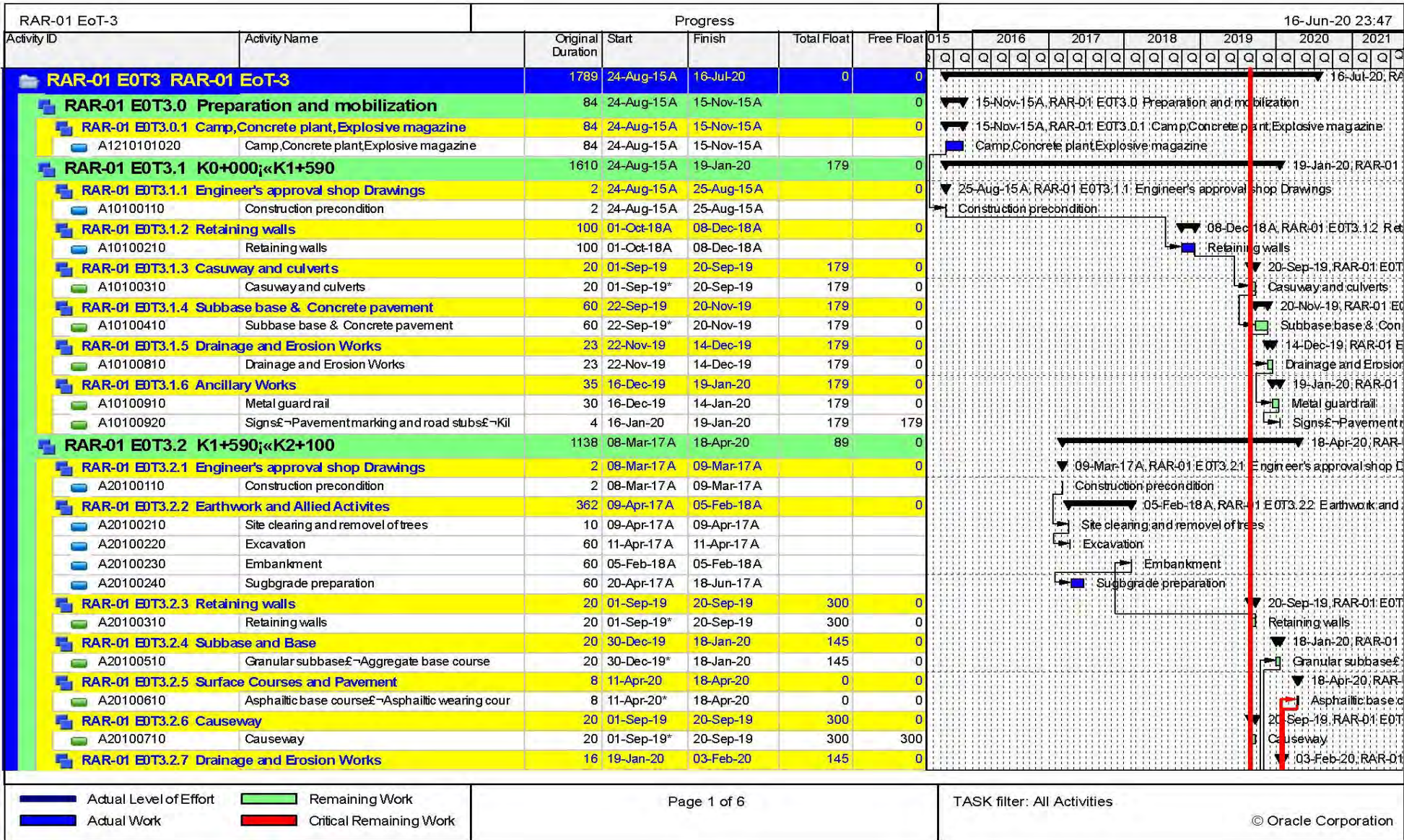
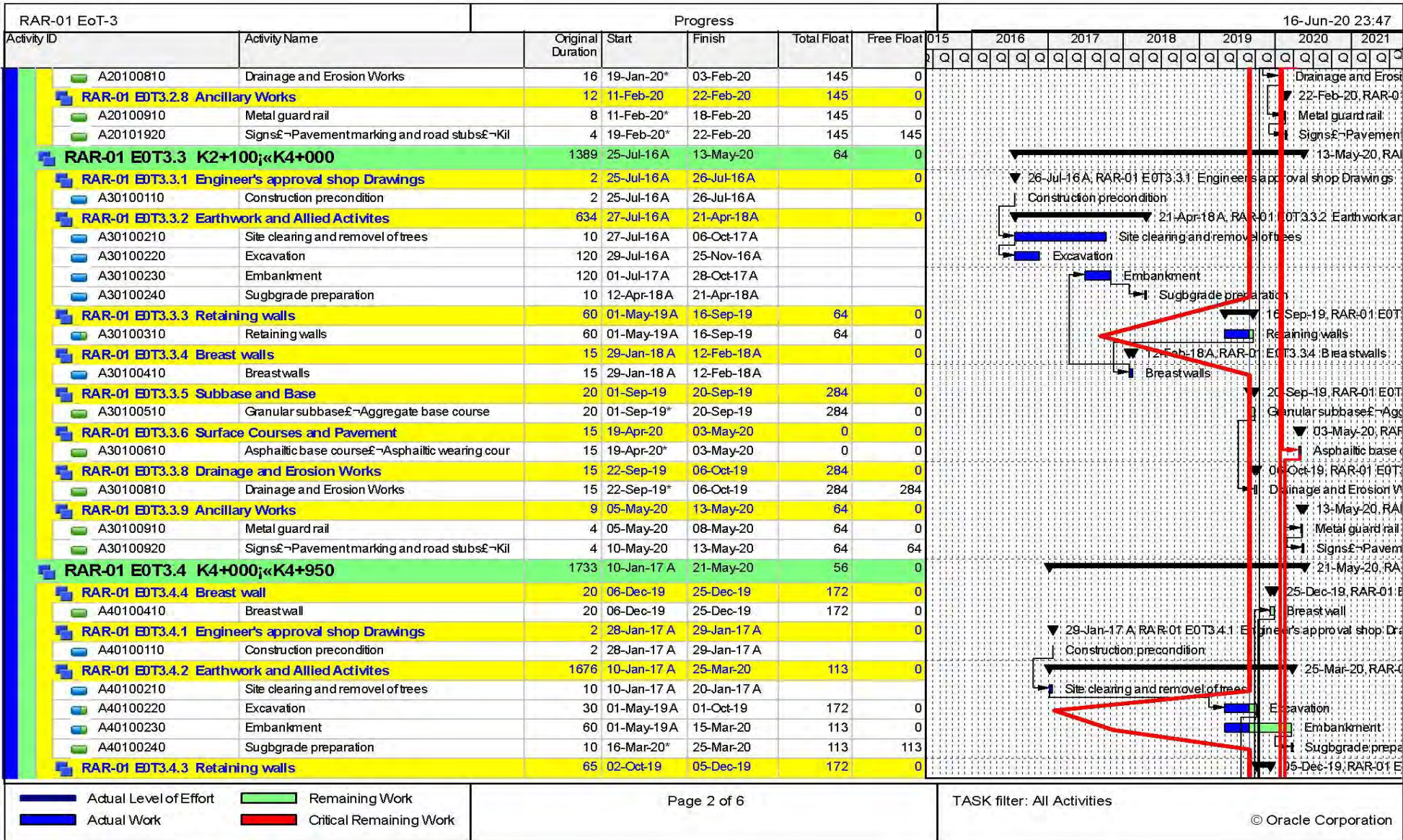


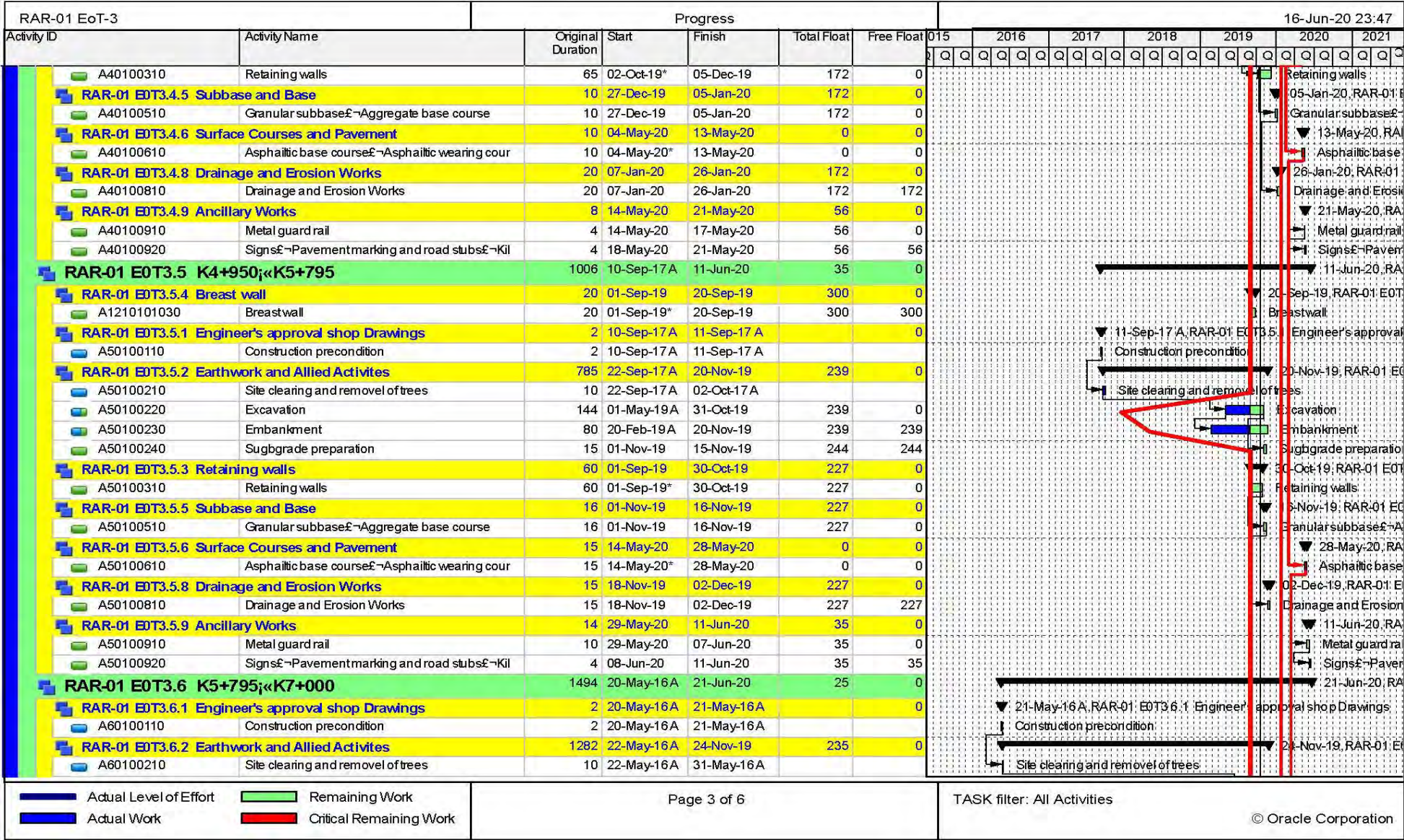
Figure 11: Gantt Chart of Dasu-RAR-01 (1 of 6)

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]

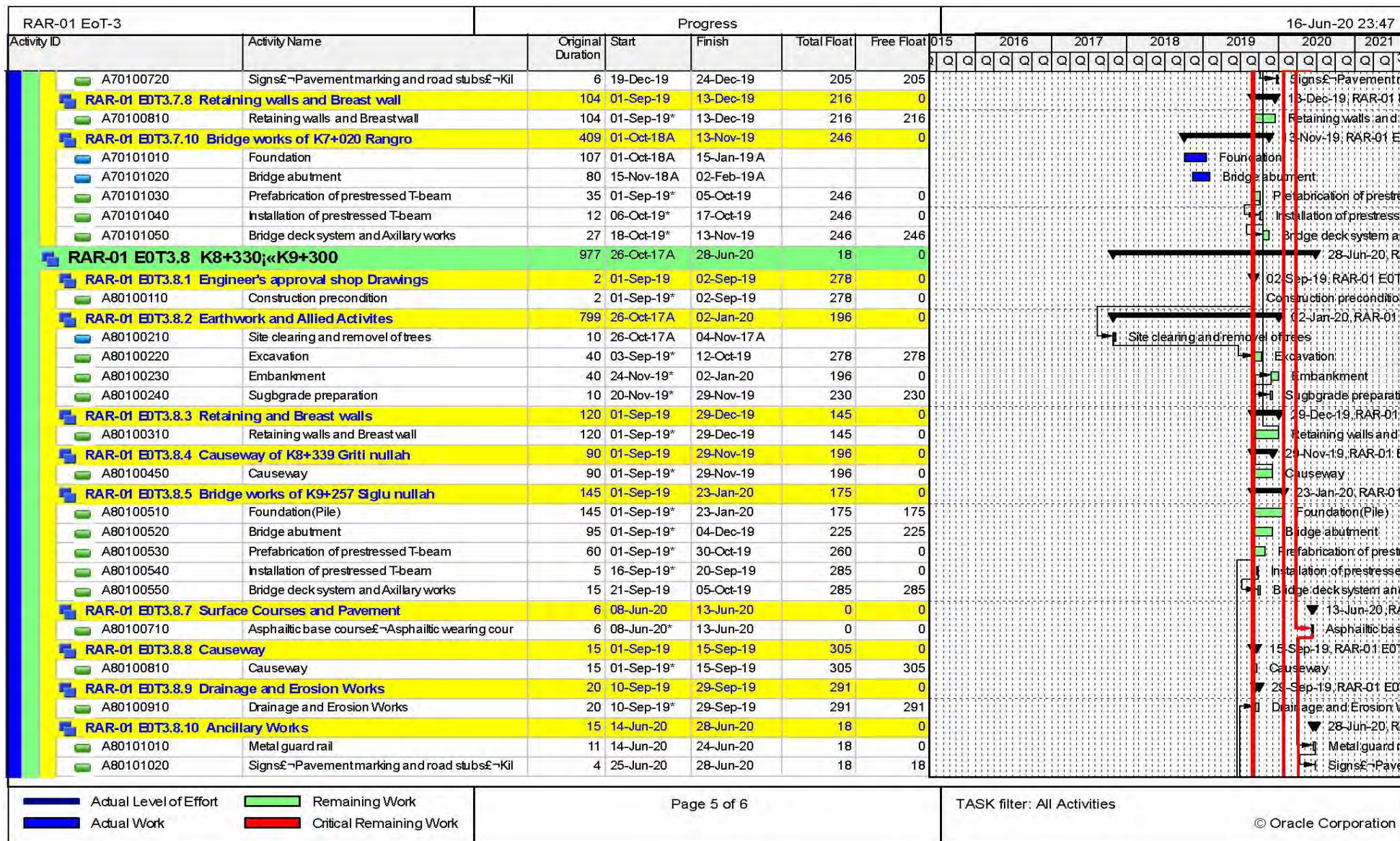
RAR-01 EoT-3		Progress					16-Jun-20 23:47																
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Free Float	2015	2016			2017			2018			2019			2020			2021
A60100220	Excavation	60	01-Sep-19*	30-Oct-19	168	0																	
A60100230	Embankment	80	06-Sep-19*	24-Nov-19	235	235																	
A60100240	Subgrade preparation	10	01-Nov-19*	10-Nov-19	249	249																	
<b>RAR-01 EDT3.6.4 Breast wall</b>		50	01-Sep-19	20-Oct-19	270	0																	
A60100410	Breastwall	50	01-Sep-19*	20-Oct-19	270	270																	
<b>RAR-01 EDT3.6.3 Retaining walls</b>		65	16-Oct-19	19-Dec-19	210	0																	
A60100310	Retaining walls	65	16-Oct-19*	19-Dec-19	210	0																	
<b>RAR-01 EDT3.6.5 Culverts</b>		60	31-Oct-19	29-Dec-19	168	0																	
A60100510	Construction of K6+355 box Culverts	60	31-Oct-19*	29-Dec-19	168	0																	
<b>RAR-01 EDT3.6.6 Subbase and Base</b>		12	31-Dec-19	11-Jan-20	168	0																	
A60100610	Granular subbase & Aggregate base course	12	31-Dec-19	11-Jan-20	168	0																	
<b>RAR-01 EDT3.6.7 Surface Courses and Pavement</b>		5	29-May-20	02-Jun-20	0	0																	
A60100710	Asphaltic base course & Asphaltic wearing course	5	29-May-20*	02-Jun-20	0	0																	
<b>RAR-01 EDT3.6.8 Causeway</b>		20	25-Oct-19	13-Nov-19	246	0																	
A60100810	Causeway	20	25-Oct-19*	13-Nov-19	246	246																	
<b>RAR-01 EDT3.6.9 Drainage and Erosion Works</b>		18	13-Jan-20	30-Jan-20	168	0																	
A60100910	Drainage and Erosion Works	18	13-Jan-20	30-Jan-20	168	168																	
<b>RAR-01 EDT3.6.10 Ancillary Works</b>		19	03-Jun-20	21-Jun-20	25	0																	
A60101010	Metal guard rail	15	03-Jun-20	17-Jun-20	25	0																	
A60101020	Signs & Pavement marking and road substructure	4	18-Jun-20	21-Jun-20	25	25																	
<b>RAR-01 EOT3.7 K7+000 to K8+330</b>		958	24-Oct-17 A	07-Jun-20	39	0																	
<b>RAR-01 EDT3.7.1 Engineer's approval shop Drawings</b>		2	24-Oct-17 A	25-Oct-17 A		0																	
A70100110	Construction precondition	2	24-Oct-17 A	25-Oct-17 A		0																	
<b>RAR-01 EDT3.7.2 Earthwork and Allied Activities</b>		62	01-Sep-19	01-Nov-19	258	0																	
A70100210	Site clearing and removal of trees	10	01-Sep-19*	10-Sep-19	205	0																	
A70100220	Excavation	40	01-Sep-19*	10-Oct-19	205	0																	
A70100230	Embankment	40	23-Sep-19*	01-Nov-19	205	0																	
A70100240	Subgrade preparation	10	02-Oct-19*	11-Oct-19	279	279																	
<b>RAR-01 EDT3.7.3 Subbase and Base</b>		15	03-Nov-19	17-Nov-19	205	0																	
A70100310	Granular subbase & Aggregate base course	15	03-Nov-19	17-Nov-19	205	0																	
<b>RAR-01 EDT3.7.4 Surface Courses and Pavement</b>		5	03-Jun-20	07-Jun-20	0	0																	
A70100410	Asphaltic base course & Asphaltic wearing course	5	03-Jun-20*	07-Jun-20	0	0																	
<b>RAR-01 EDT3.7.6 Drainage and Erosion Works</b>		25	19-Nov-19	13-Dec-19	205	0																	
A70100610	Drainage and Erosion Works	25	19-Nov-19	13-Dec-19	205	0																	
<b>RAR-01 EDT3.7.7 Ancillary Works</b>		10	15-Dec-19	24-Dec-19	205	0																	
A70100710	Metal guard rail	4	15-Dec-19	18-Dec-19	205	0																	

■ Actual Level of Effort    ■ Remaining Work    Page 4 of 6    TASK filter: All Activities  
■ Actual Work    ■ Critical Remaining Work    © Oracle Corporation

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

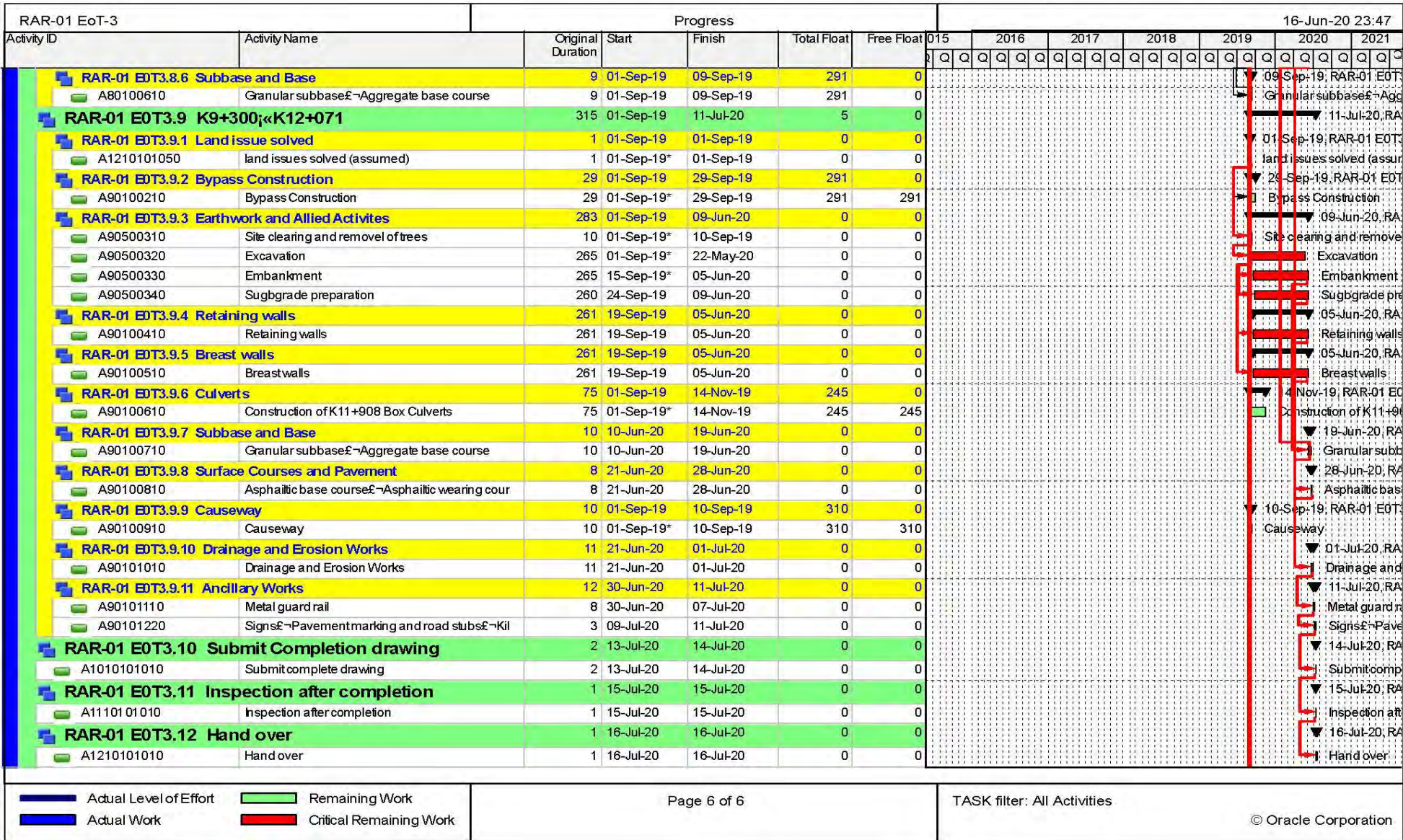


Figure 11 [5/6]



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

Figure 11 [6/6]



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

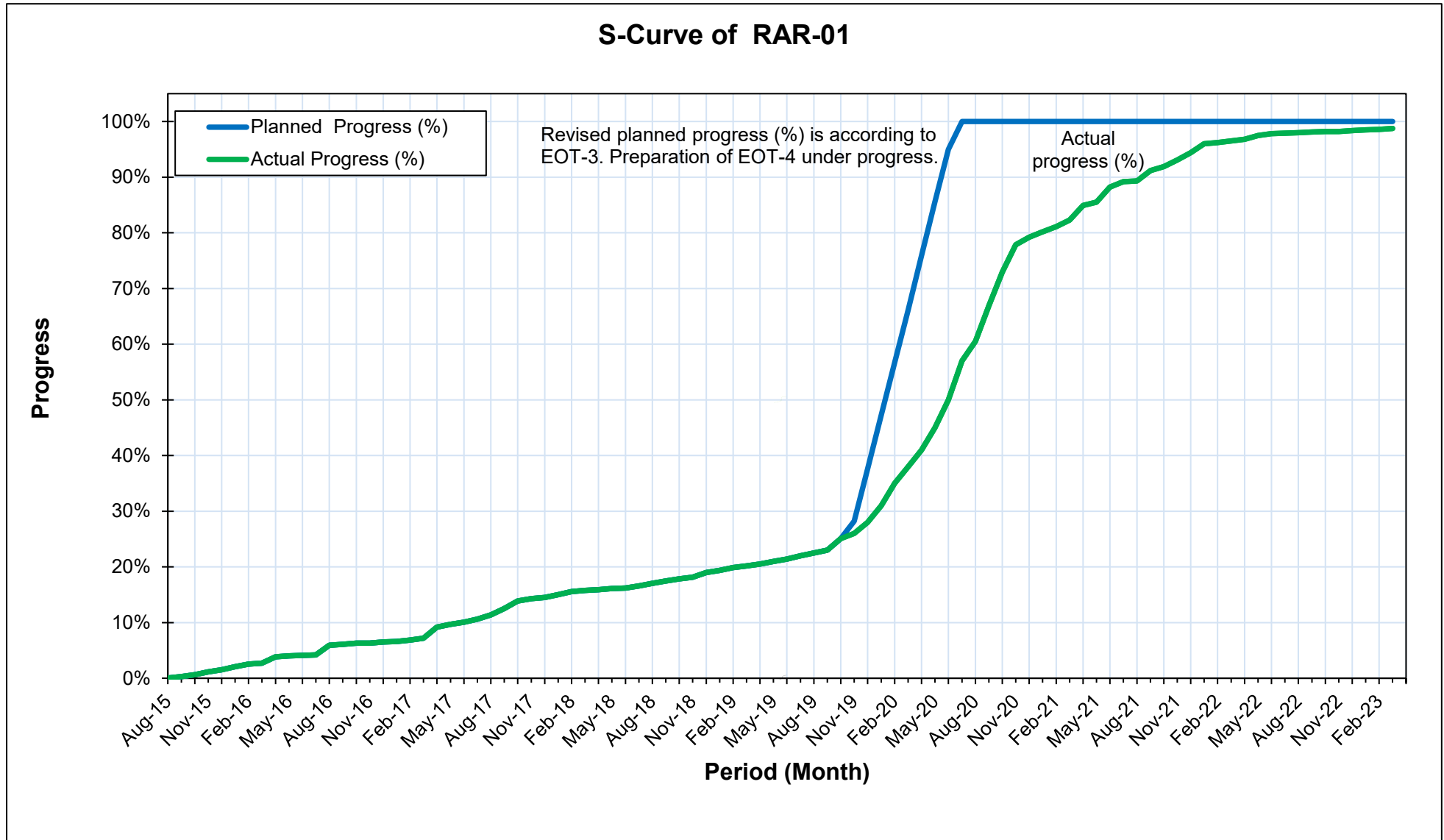


Figure 12: S Curve for Dasu-RAR-01

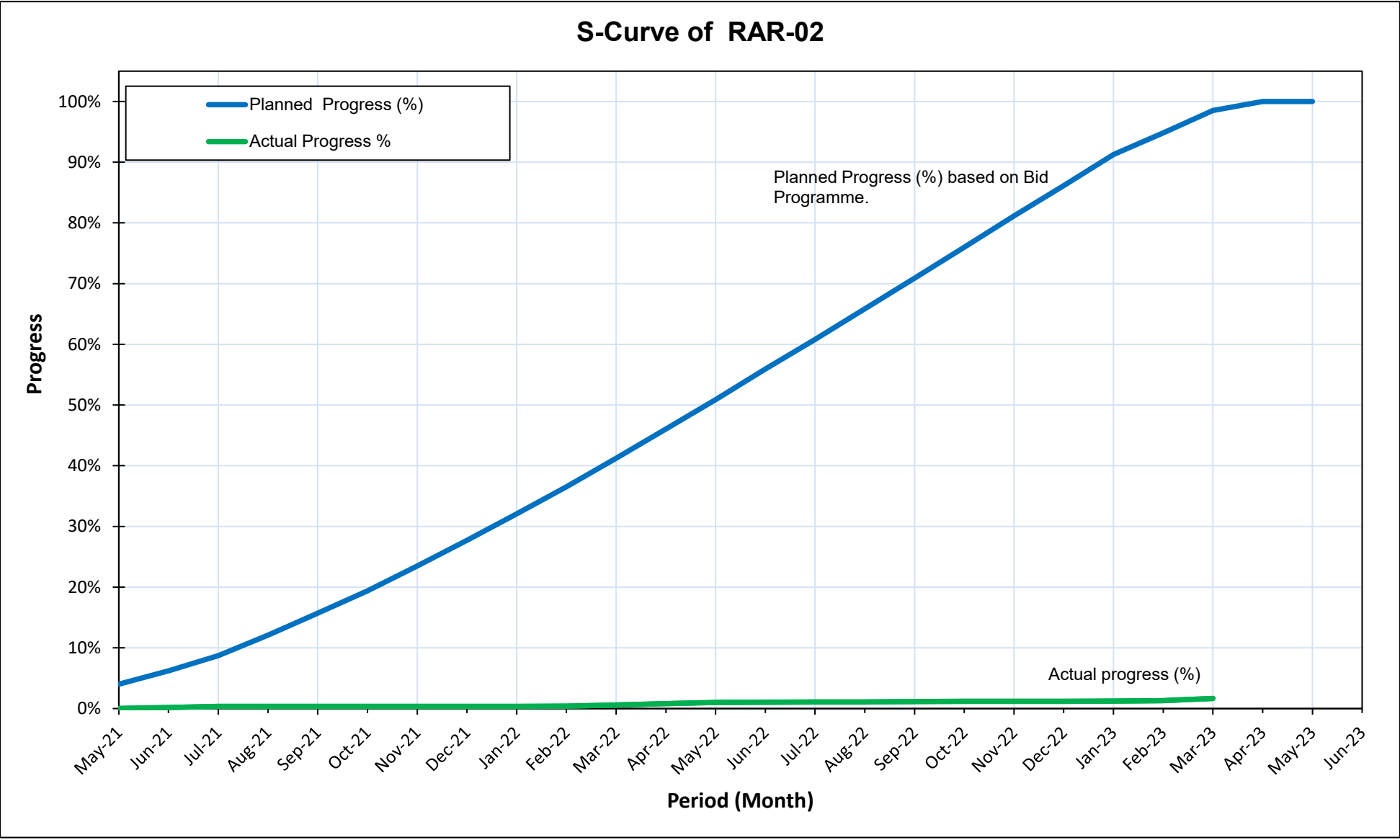
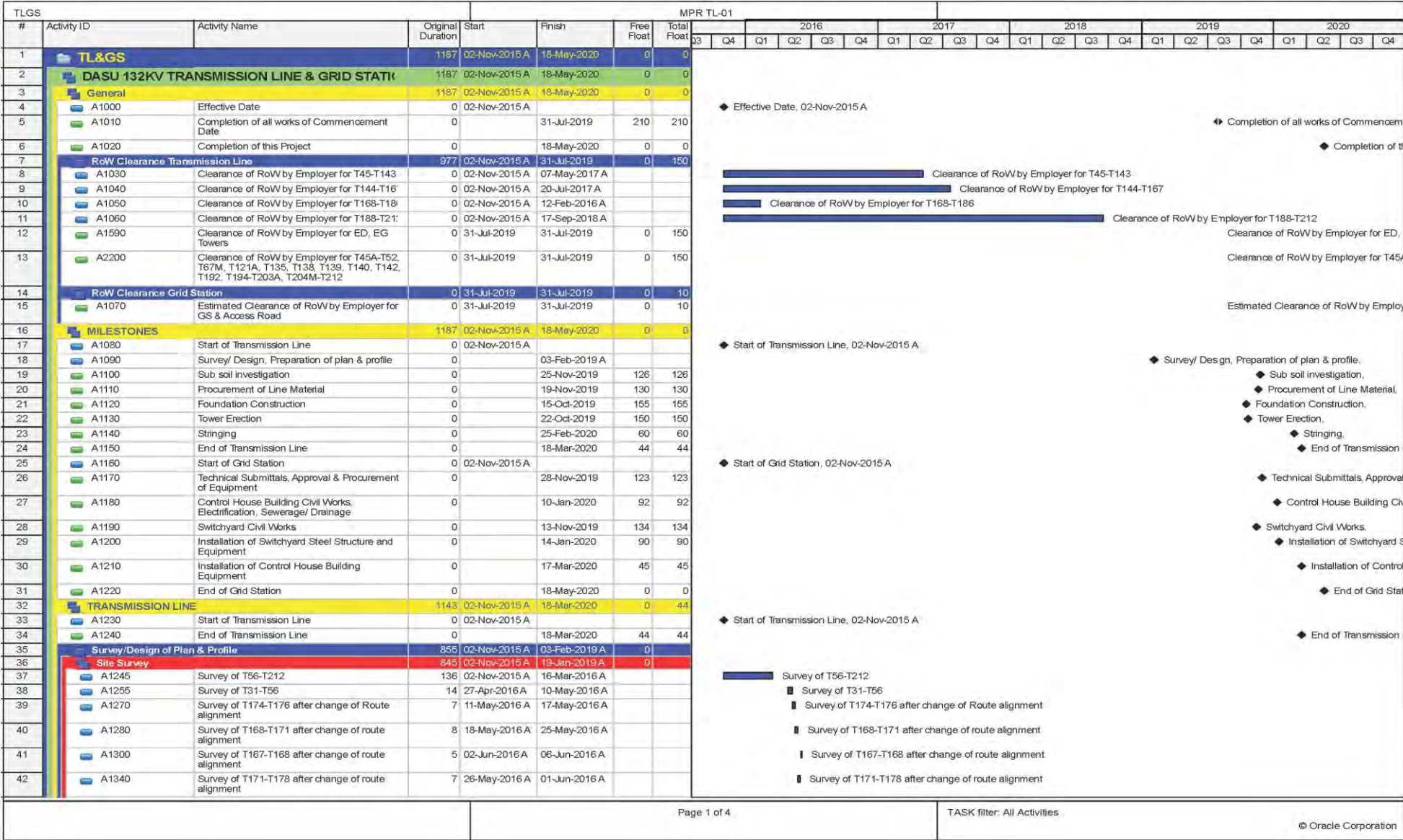


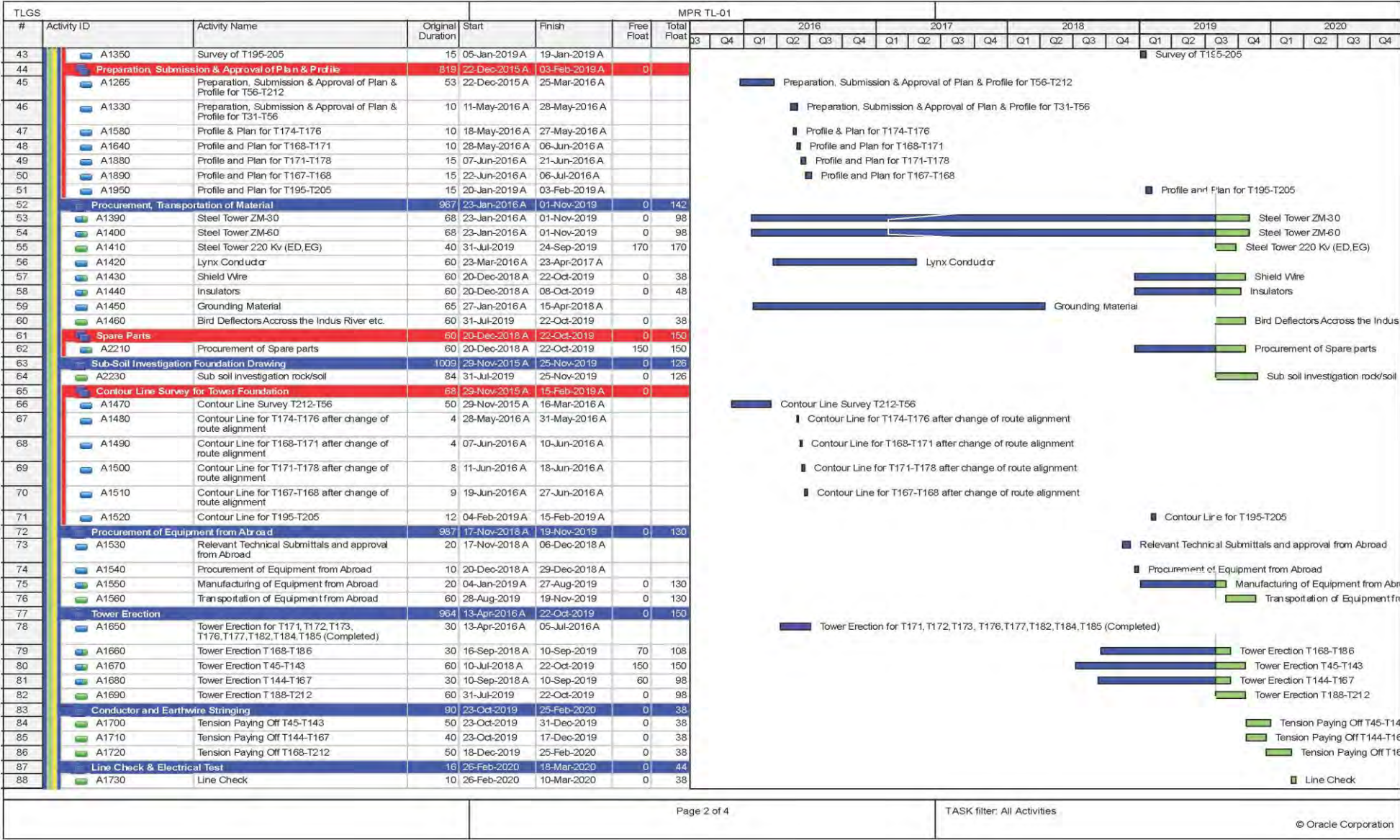
Figure 13: S Curve for Dasu-RAR-02

**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)



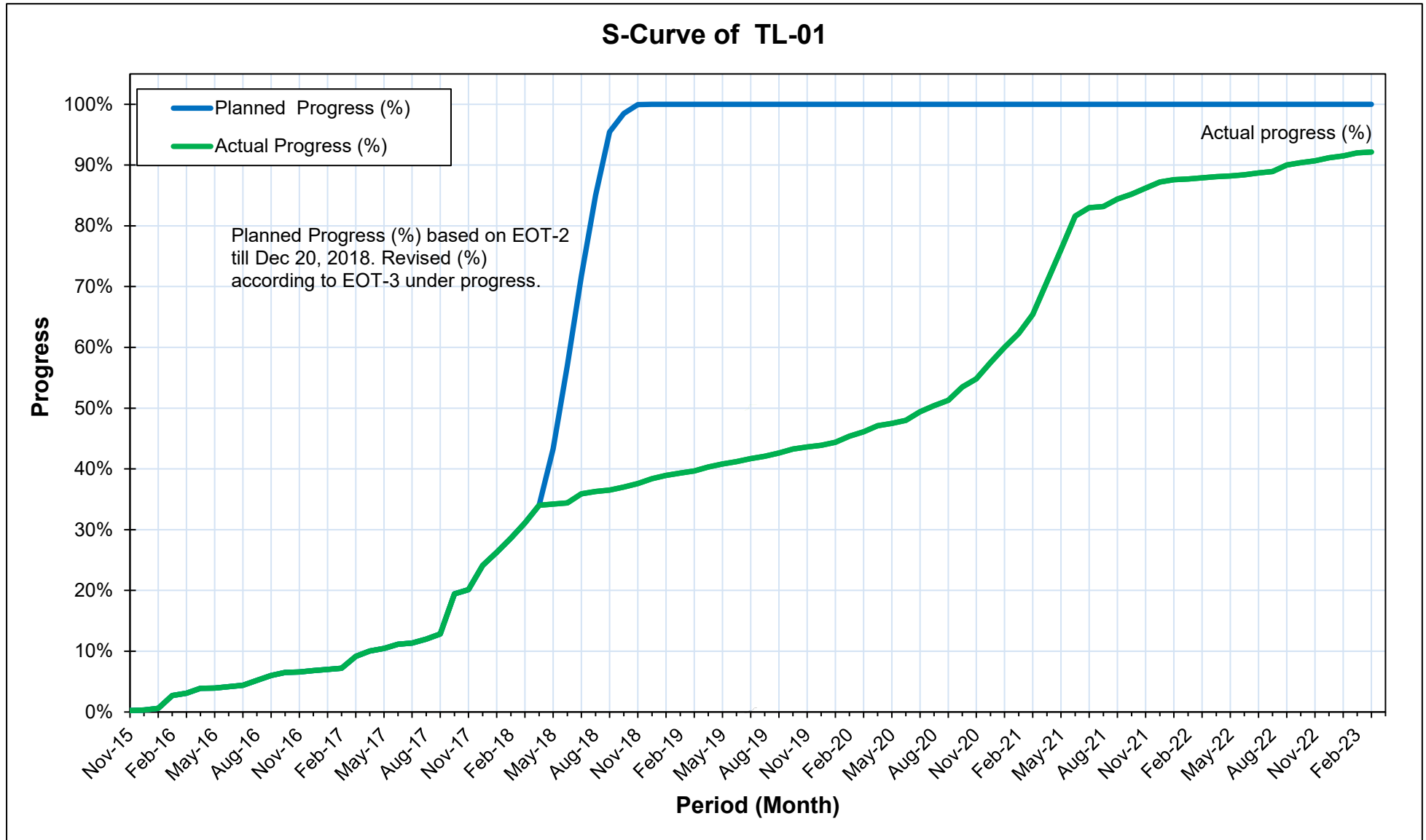


Figure 15: S Curve for Dasu-TL-01

Figure 16 [1/6]

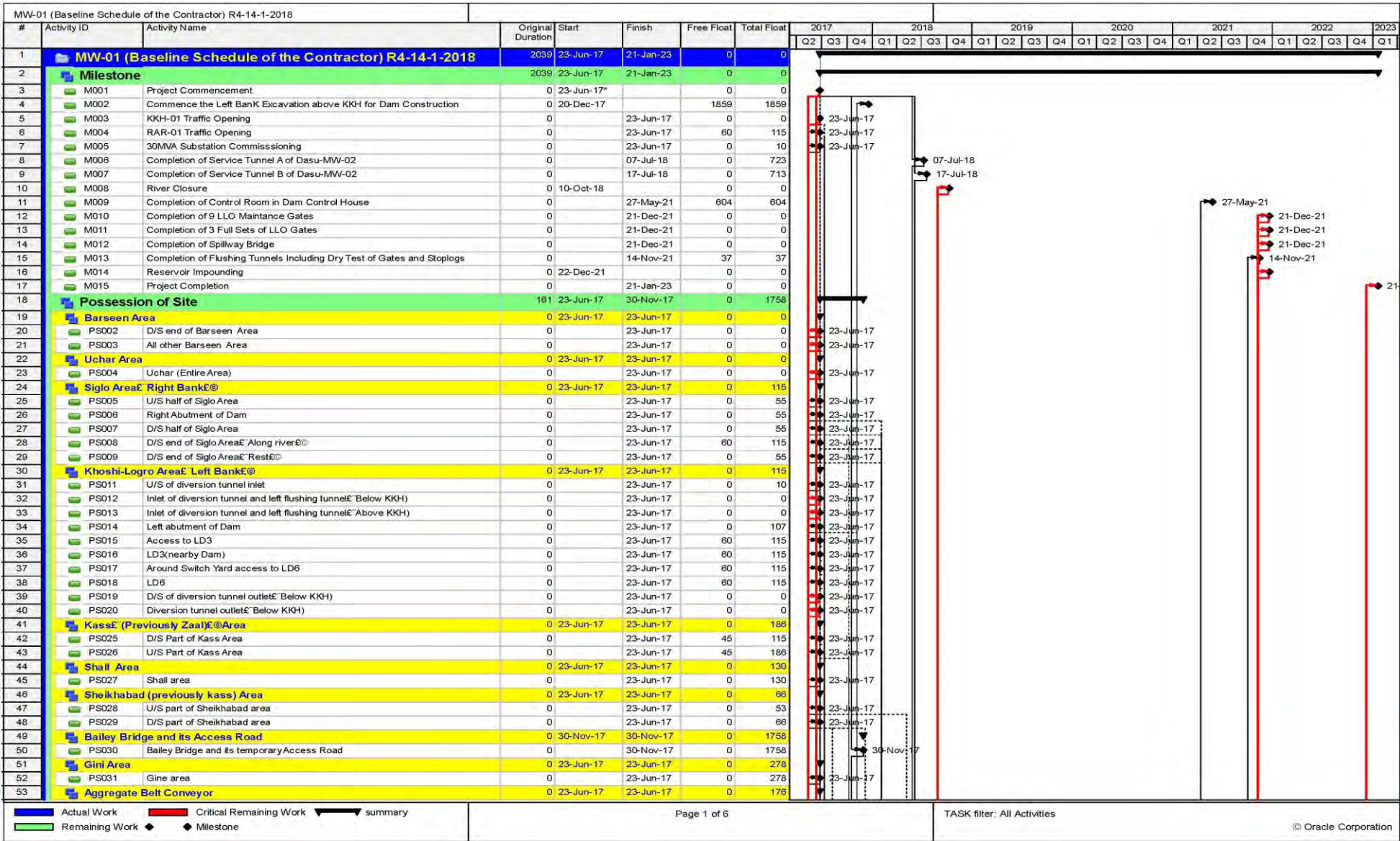
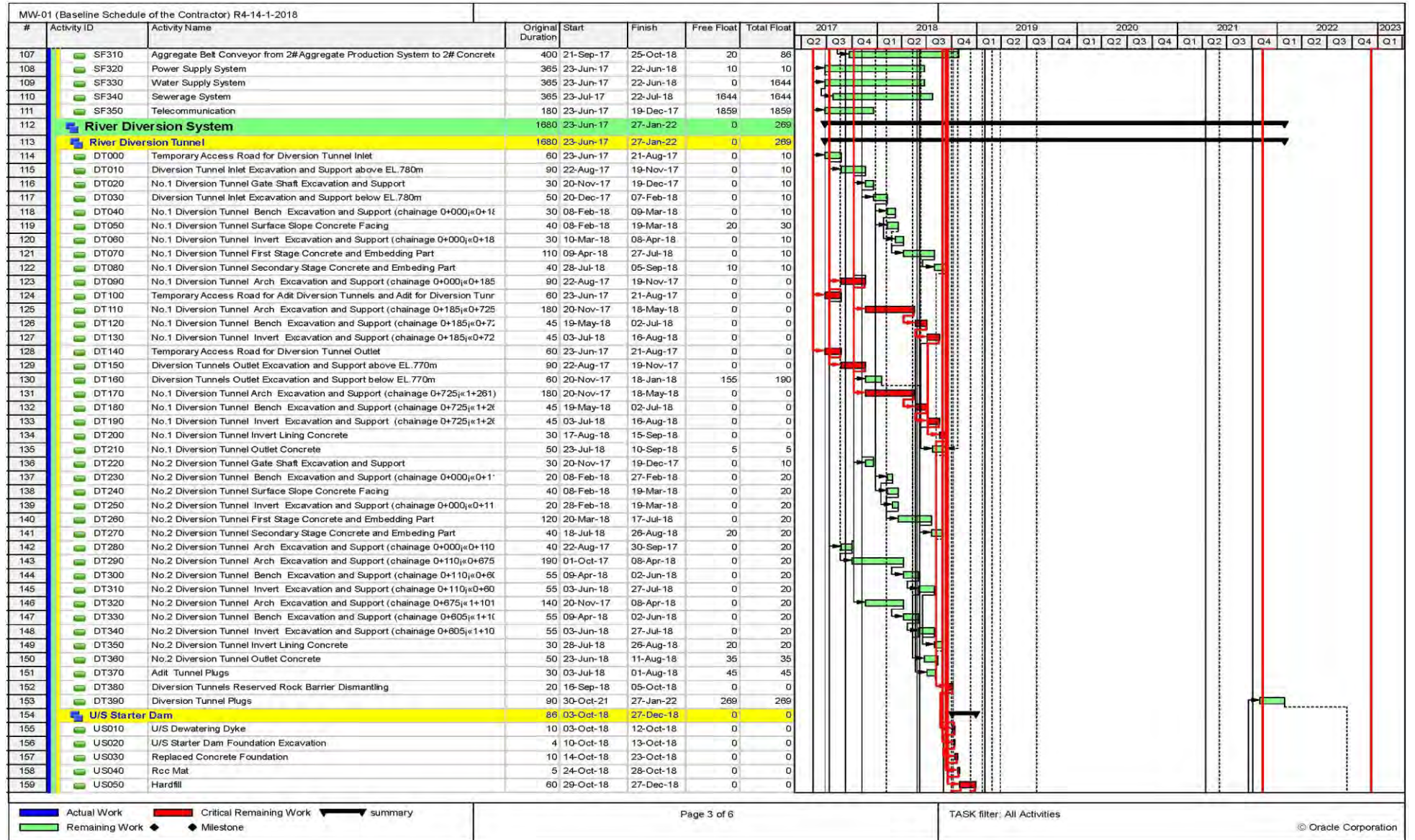


Figure 16: Gantt Chart of Dasu-MW-01 (1 of 6)



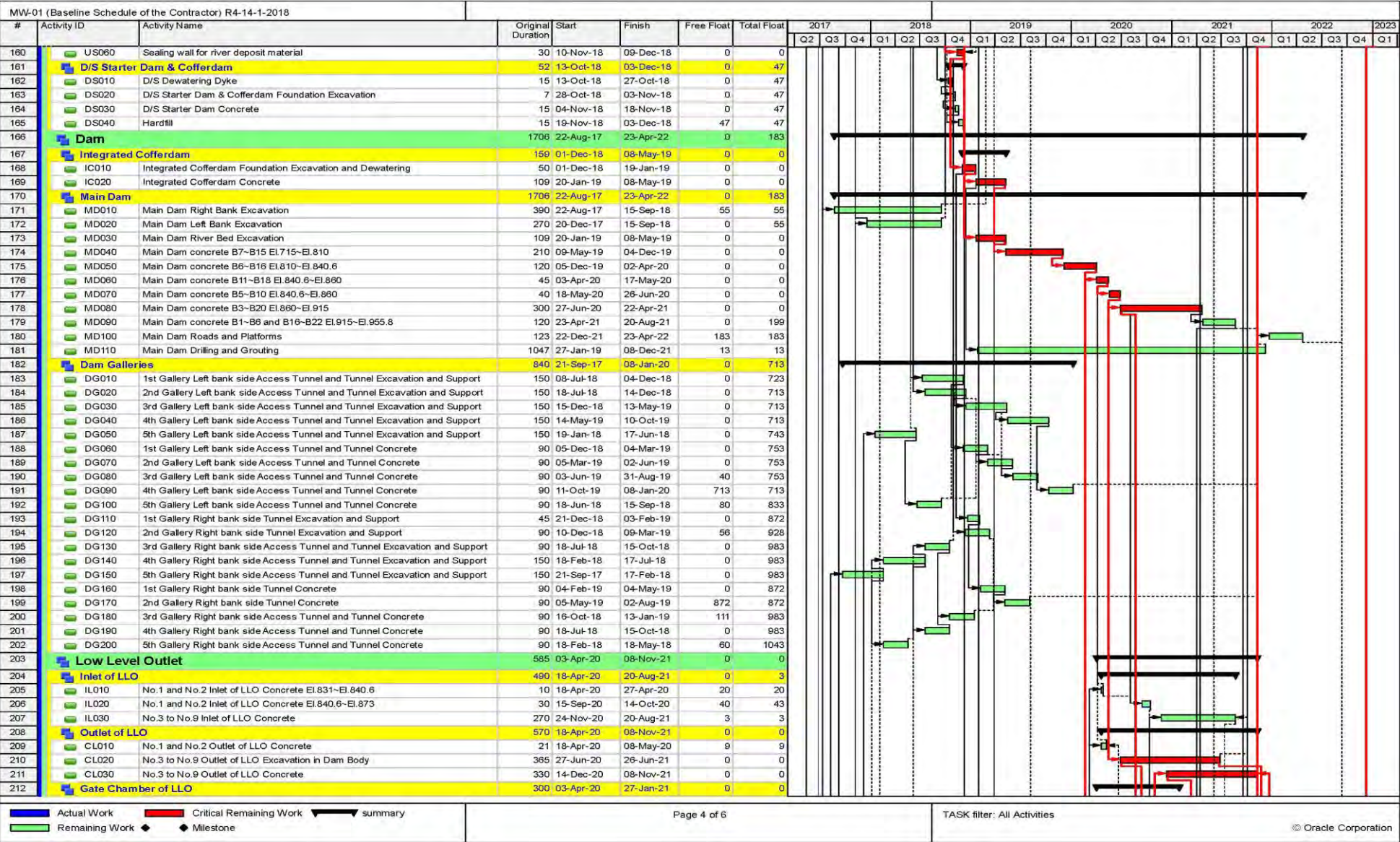
**Figure 16 [3/6]**



■ Actual Work   
 ■ Critical Remaining Work   
 ▶ summary  
■ Remaining Work   
 ◆ Milestone

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

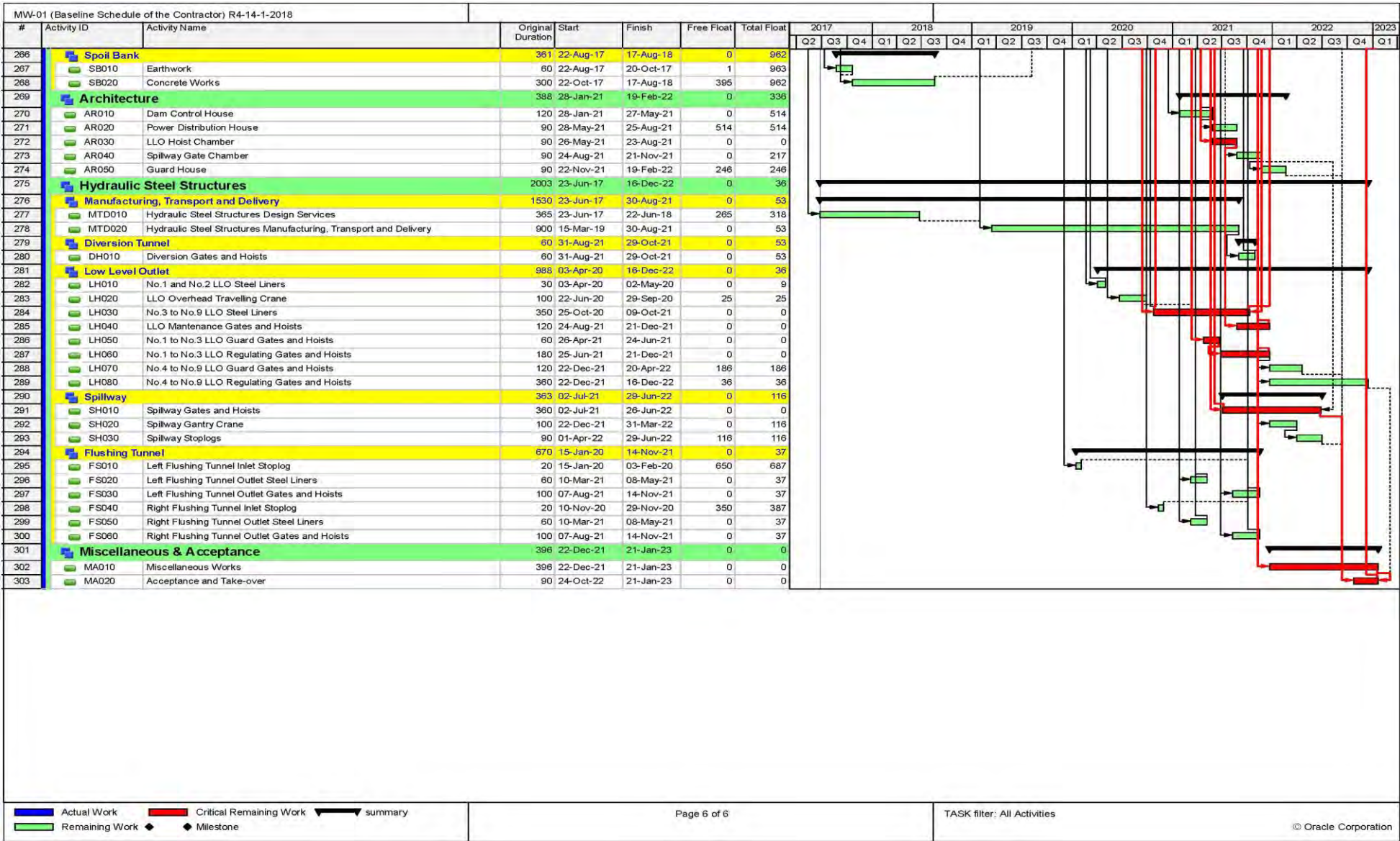
Figure 16 [4/6]



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



Figure 16 [6/6]



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

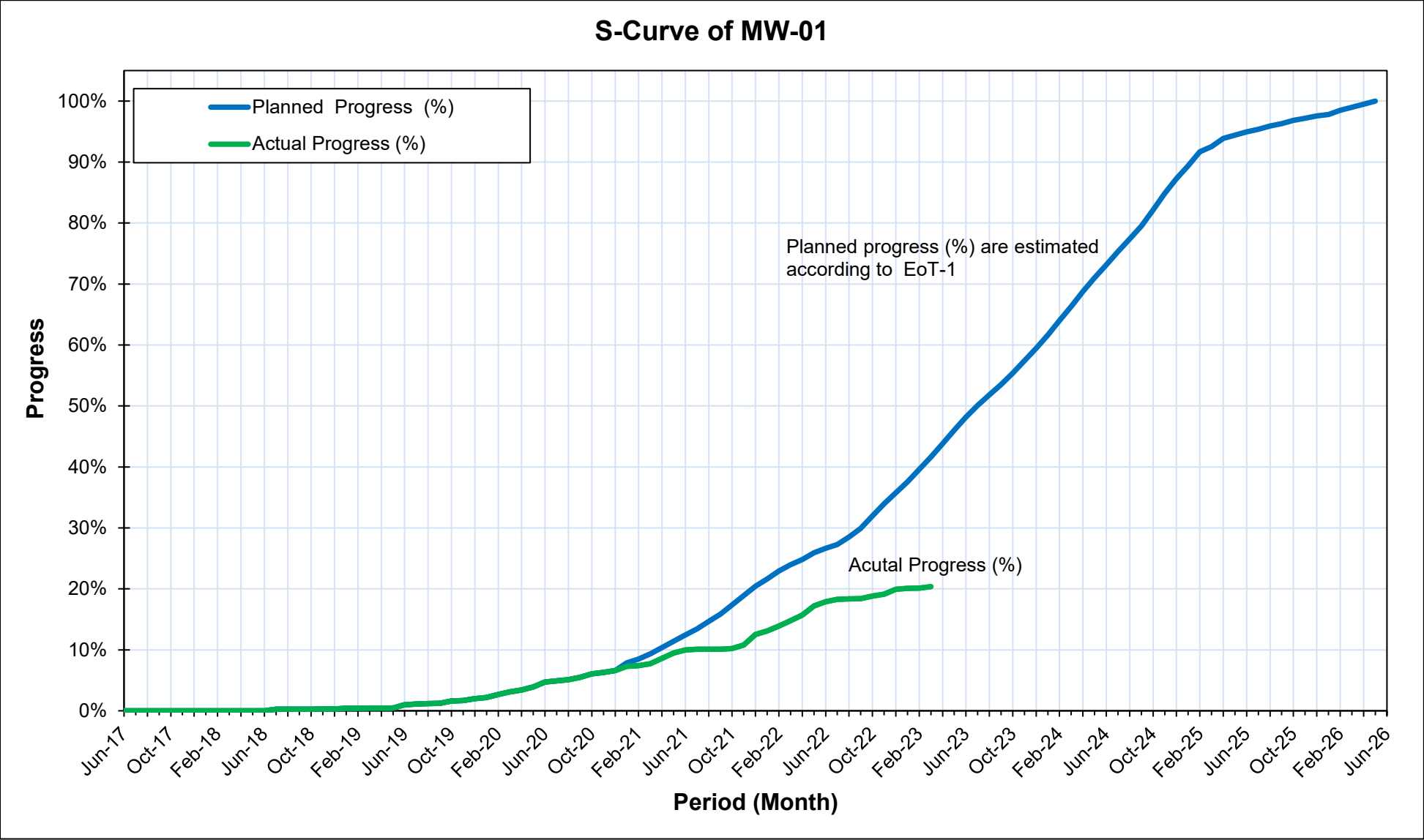


Figure 17: S-Curve for MW-01



Figure 18 [1/8]

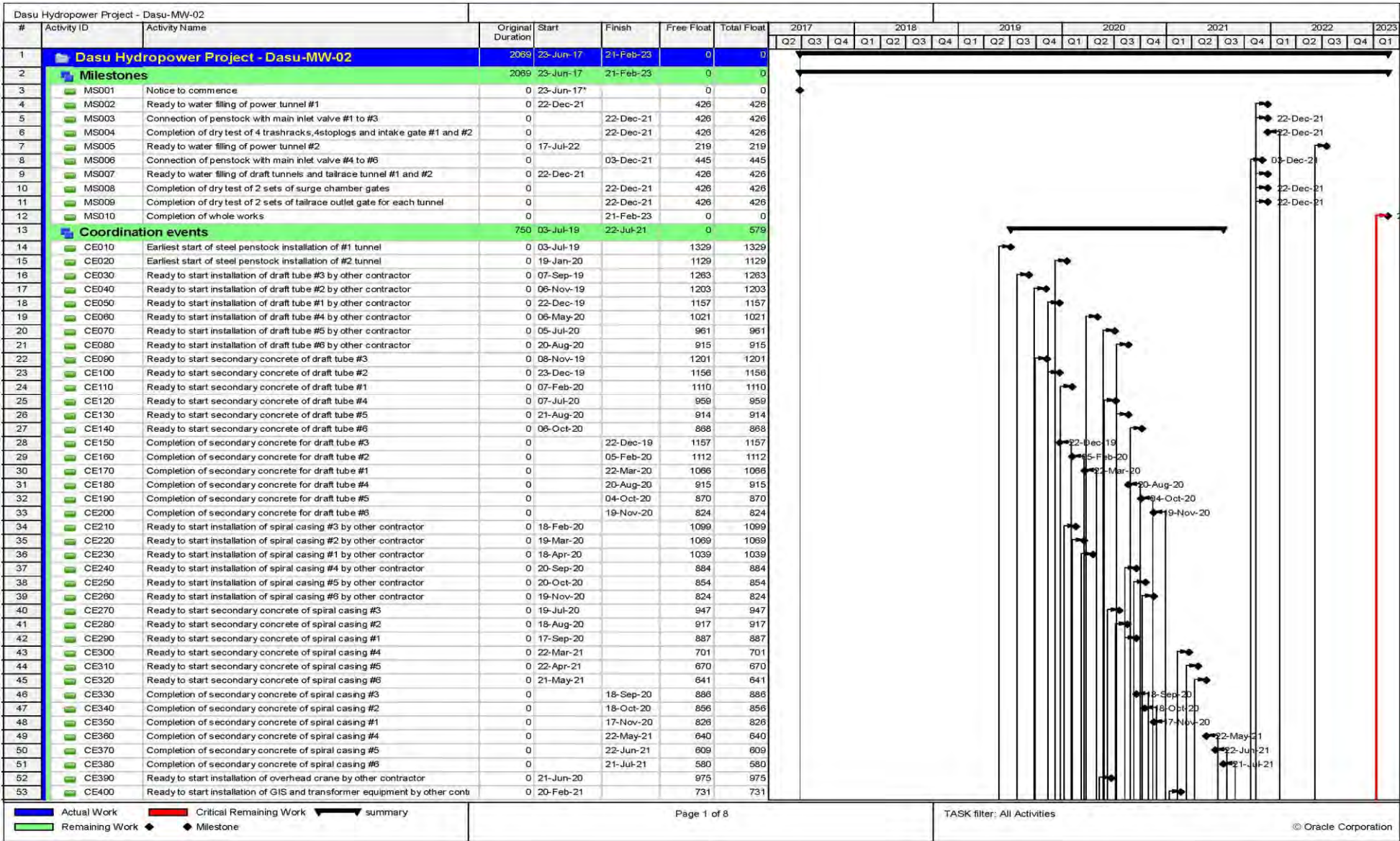
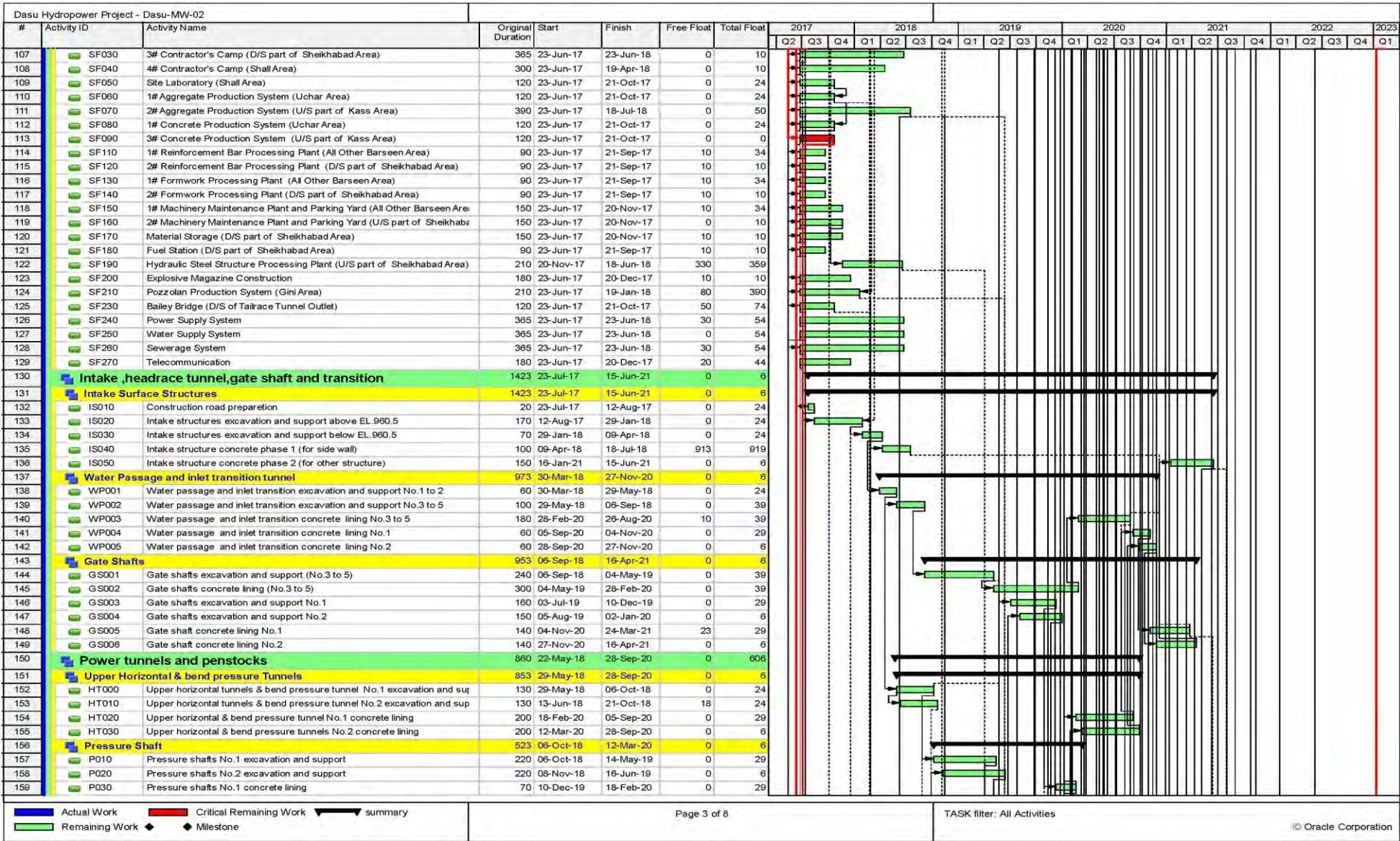


Figure 18: Gantt Chart of Dasu-MW-02 (1 of 8)

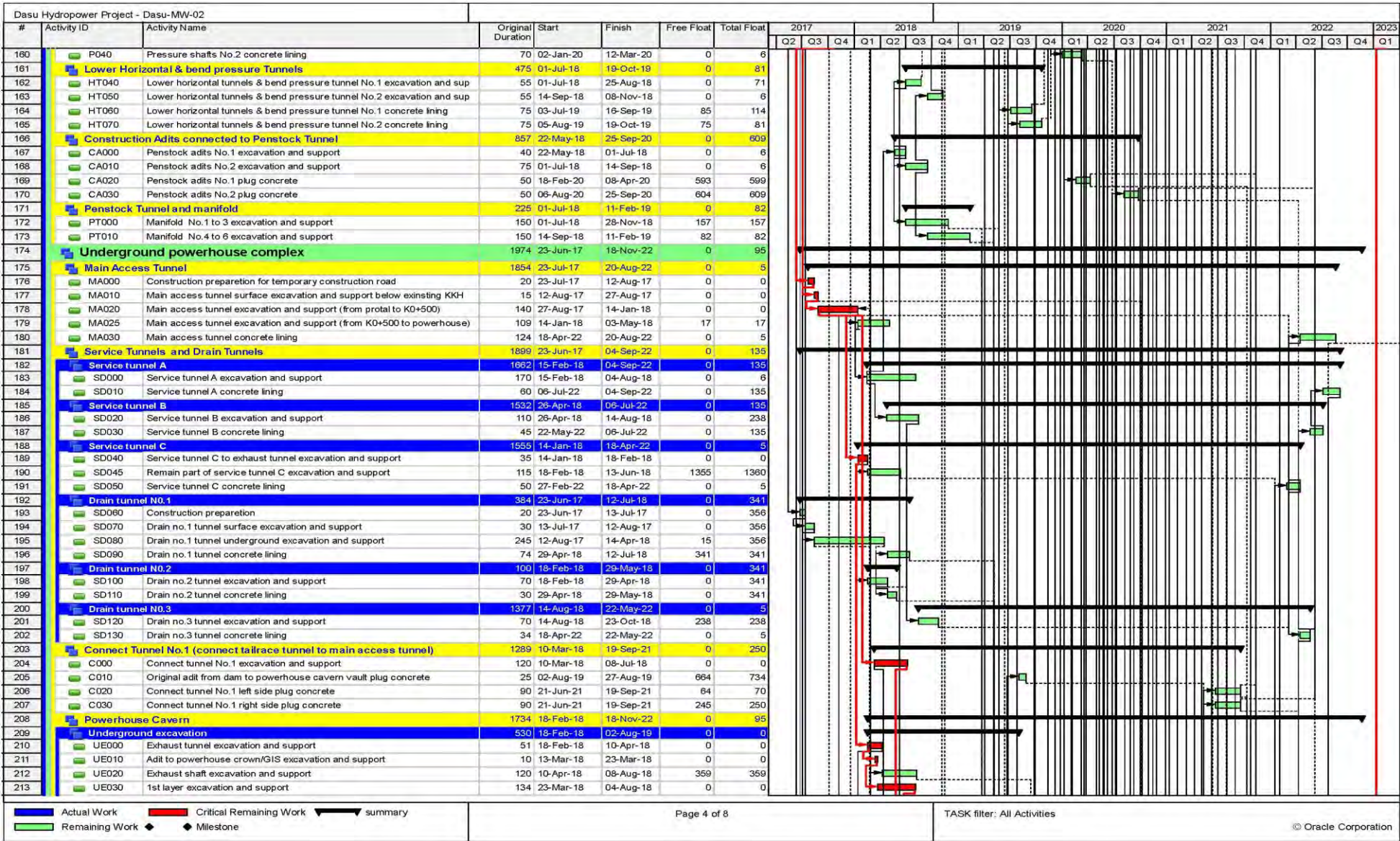


Figure 18 [3/8]



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

Figure 18 [4/8]



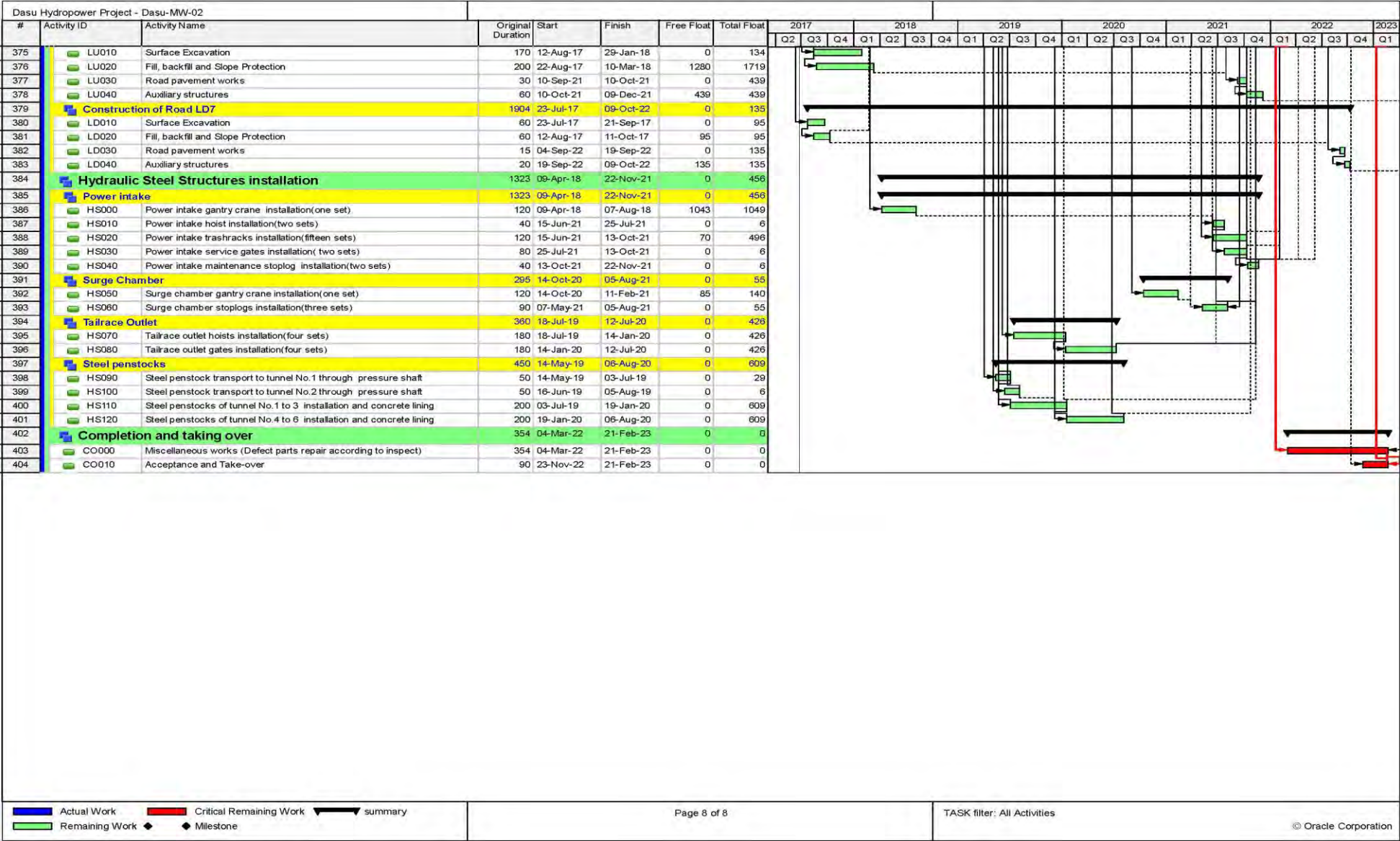
Gantt Chart of Dasu-MW-02 (4 of 8)







Figure 18 [8/8]



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

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



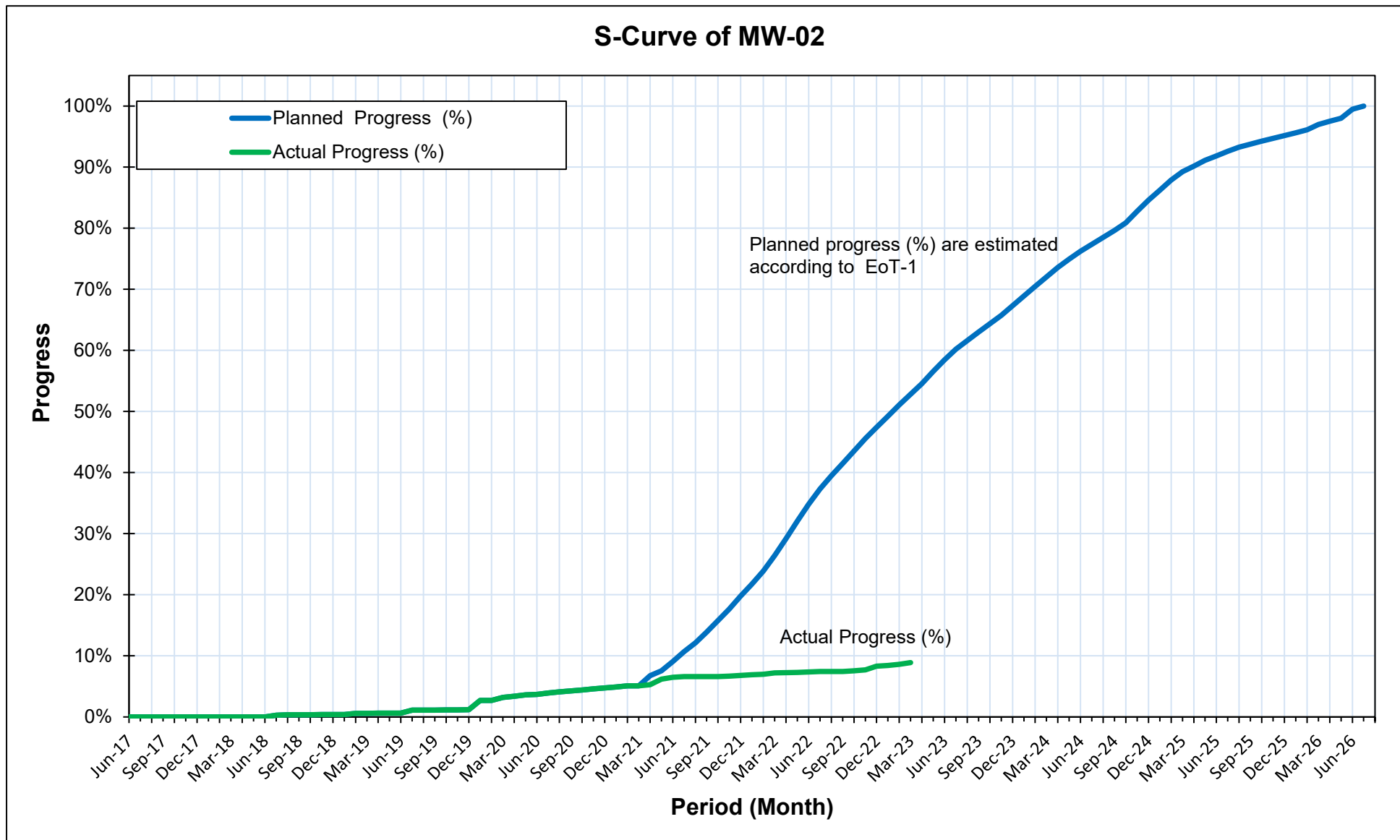


Figure 19: S-Curve for MW-02

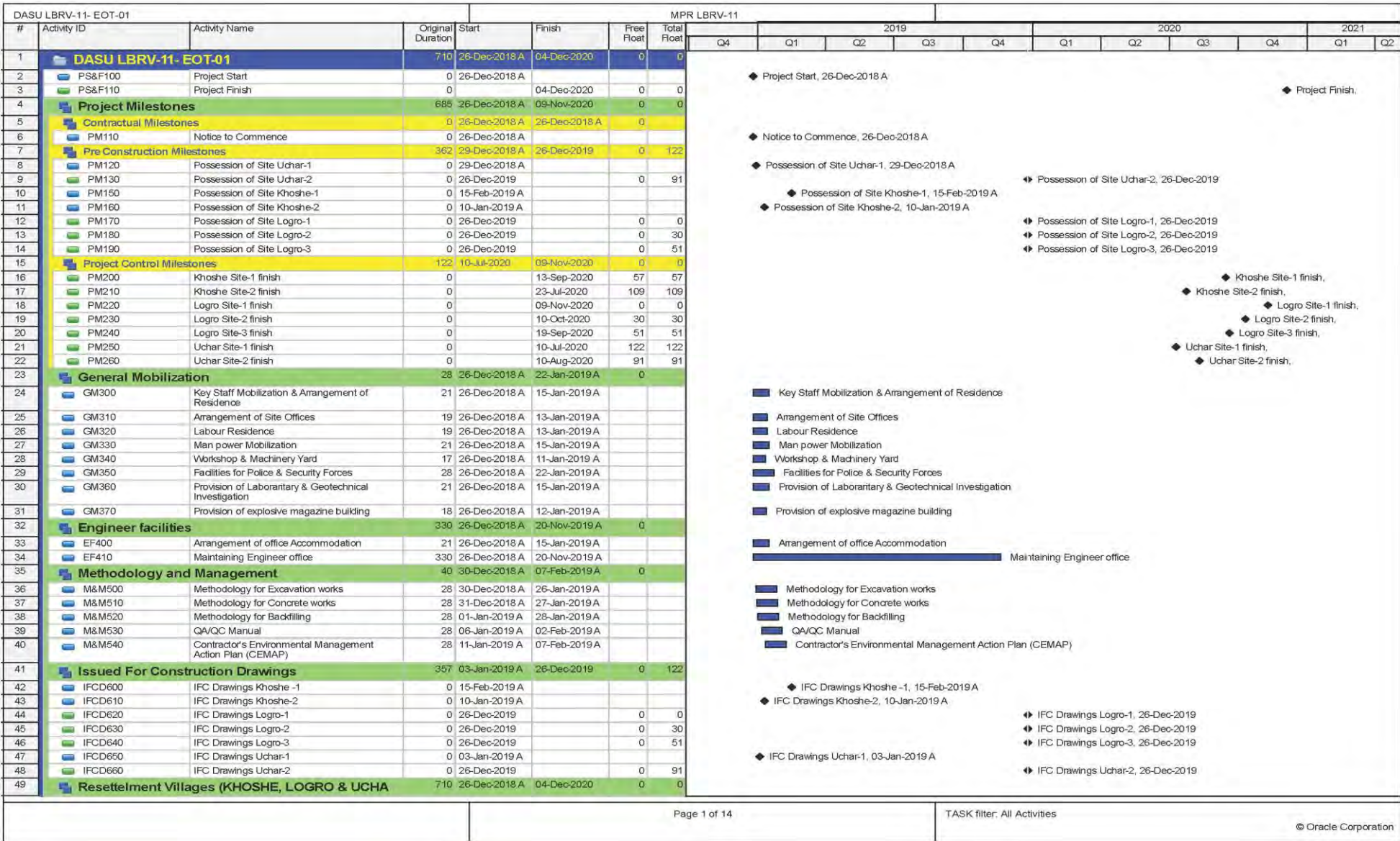
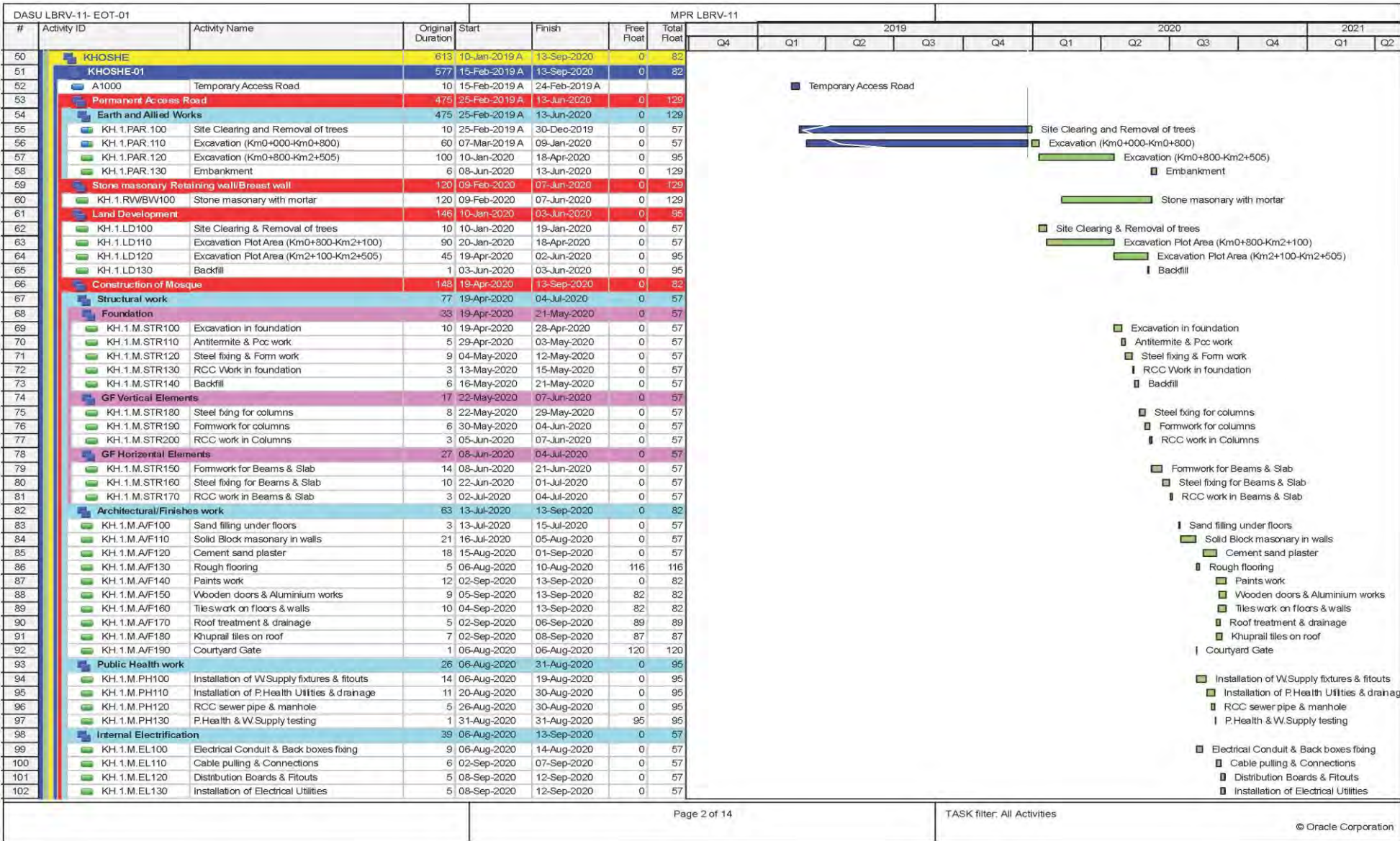
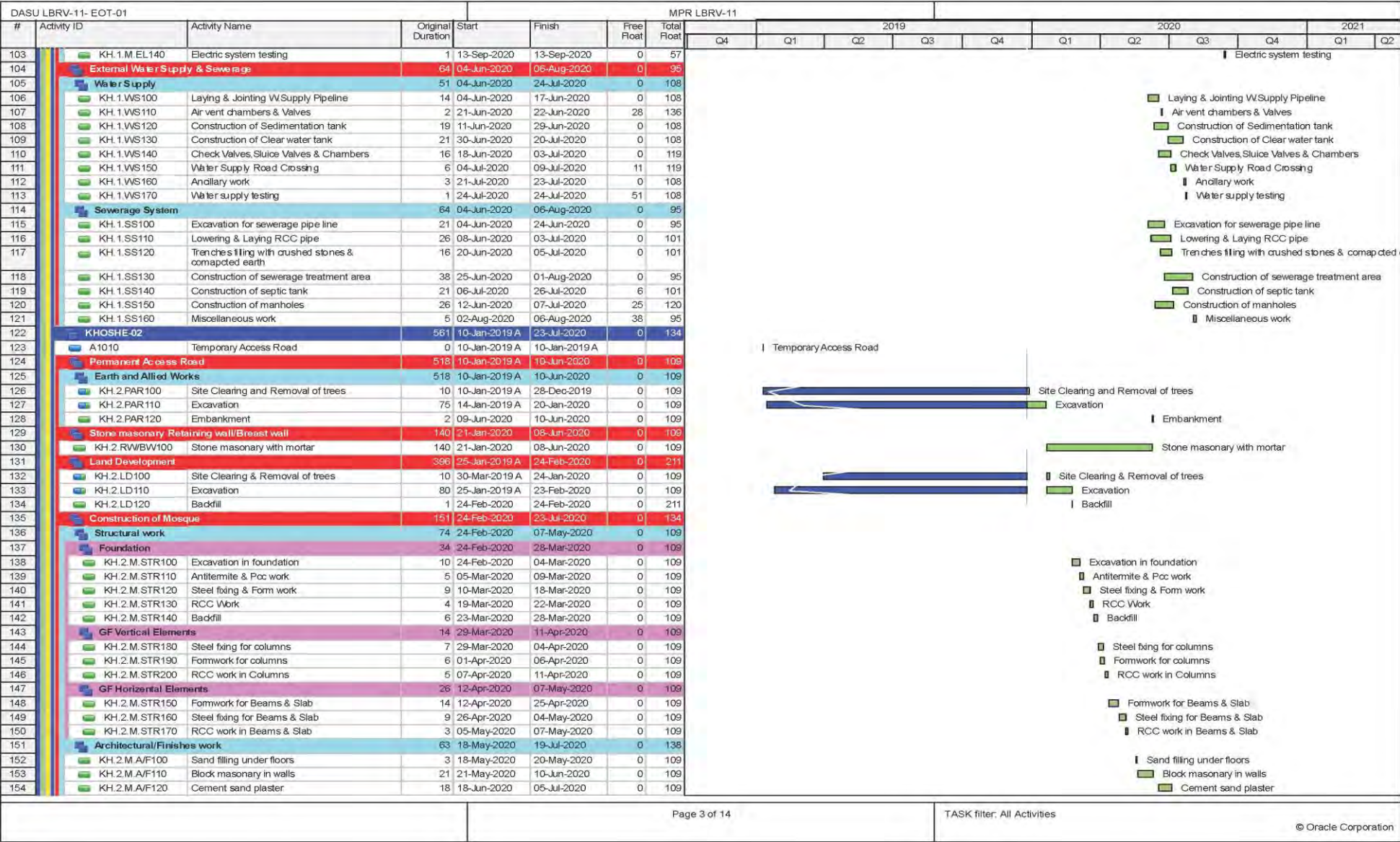


Figure 20: Gantt Chart of Dasu-LBRV-11 (1 of 14)

Figure 20 [2/14]



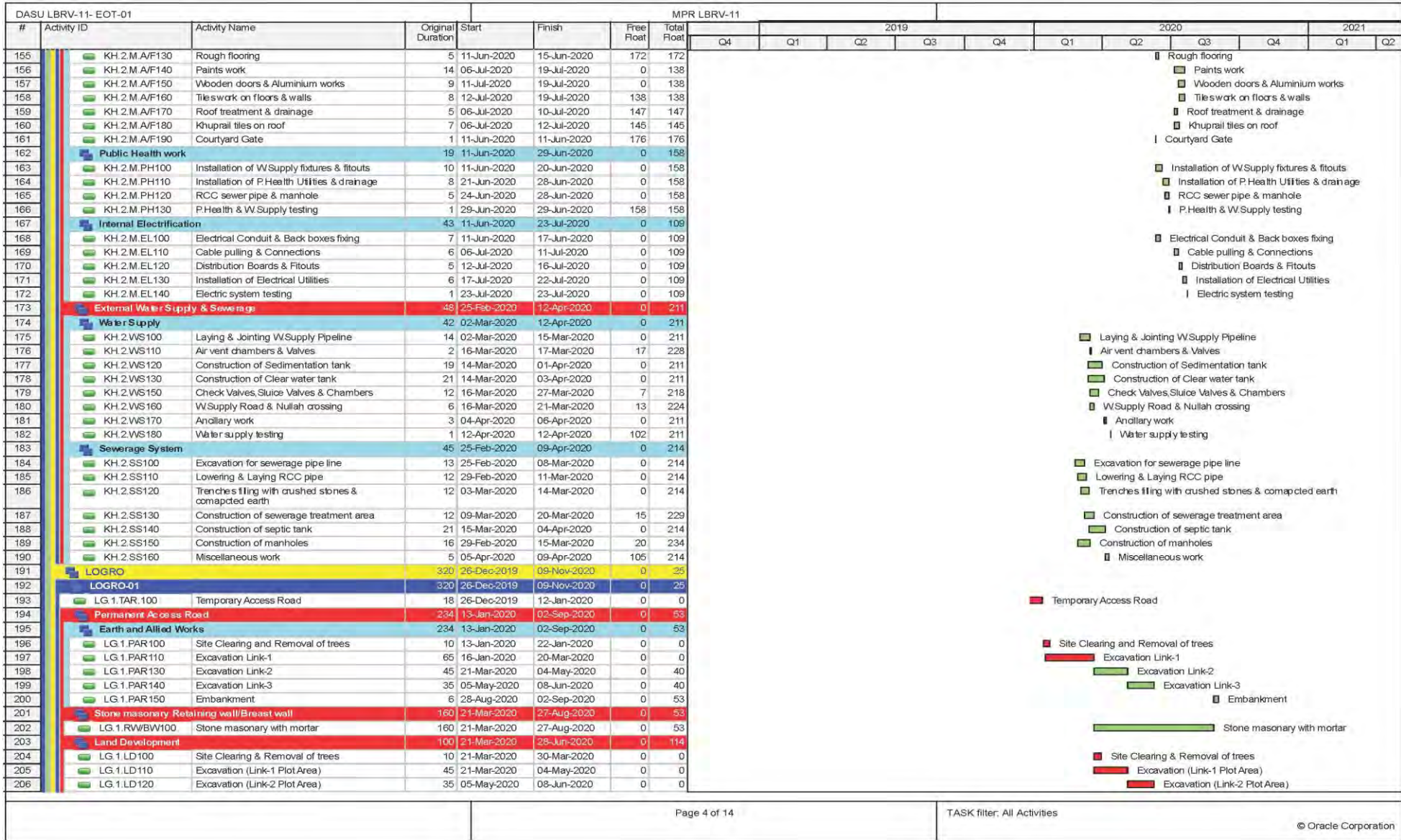
Gantt Chart of Dasu-LBRV-11 (2 of 14)



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

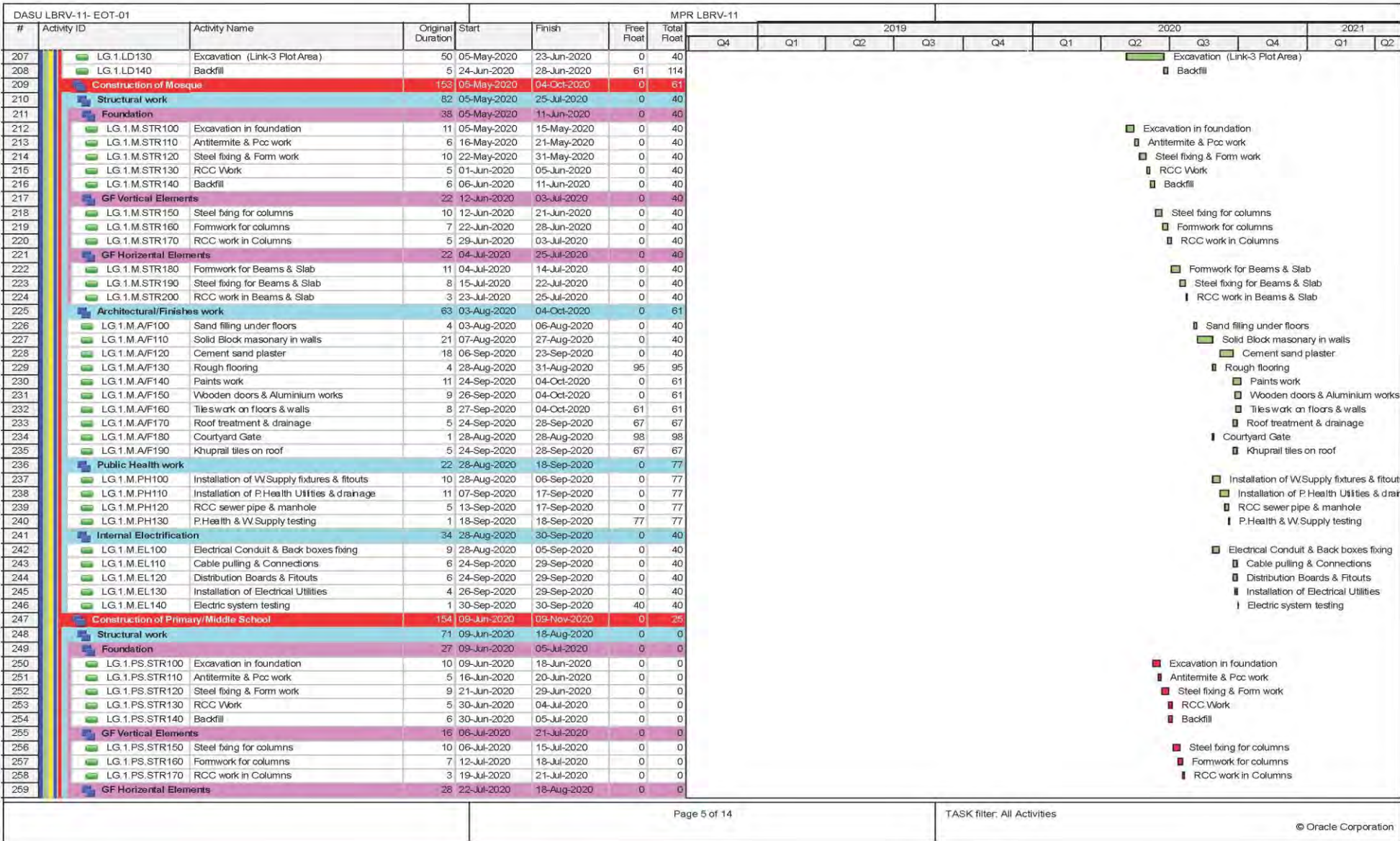
## Dasu Hydropower Project Monthly Progress Report No. 104 (March 2023)

Figure 20 [4/14]

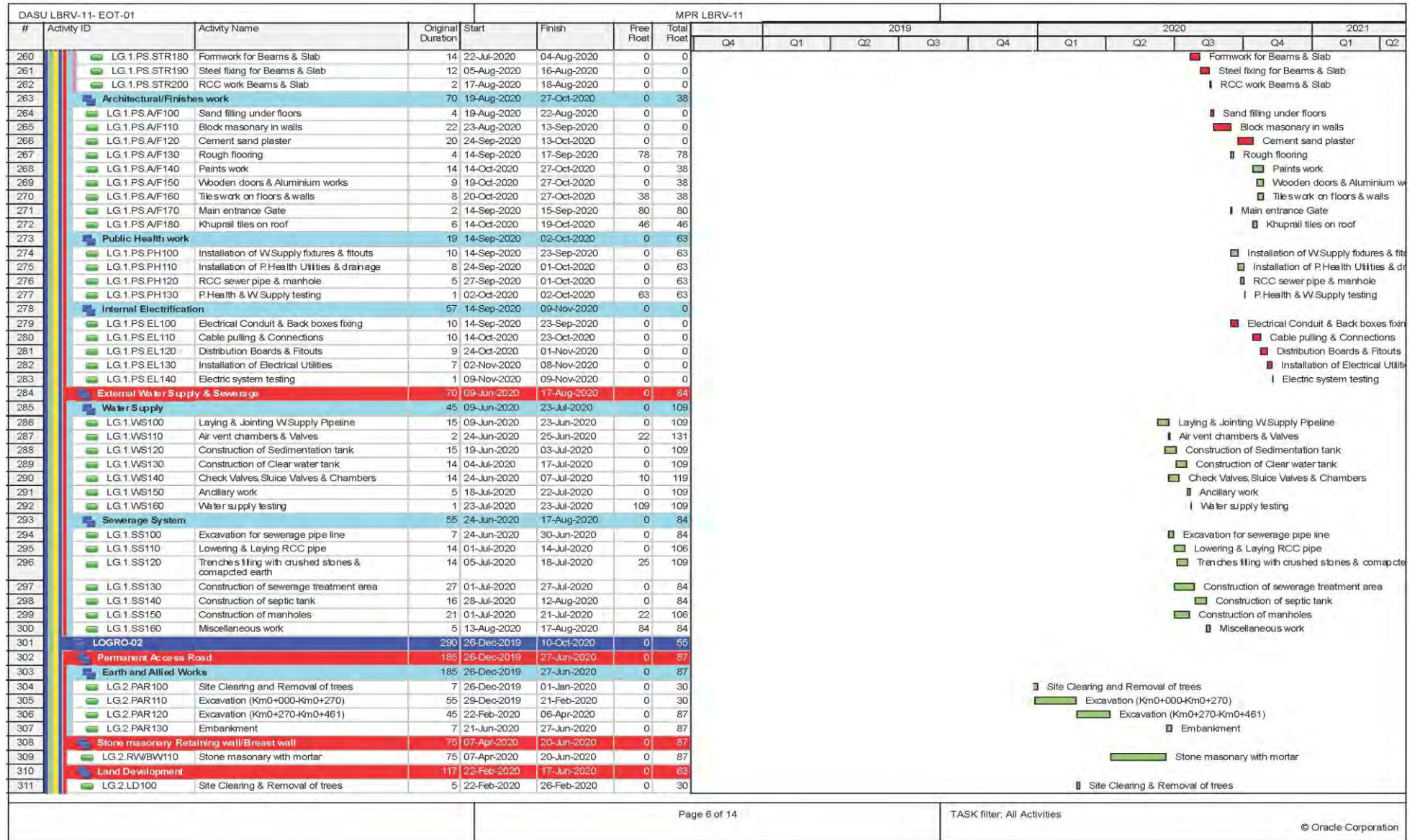


**Gantt Chart of Dasu-LBRV-11 (4 of 14)**

Figure 20 [5/14]

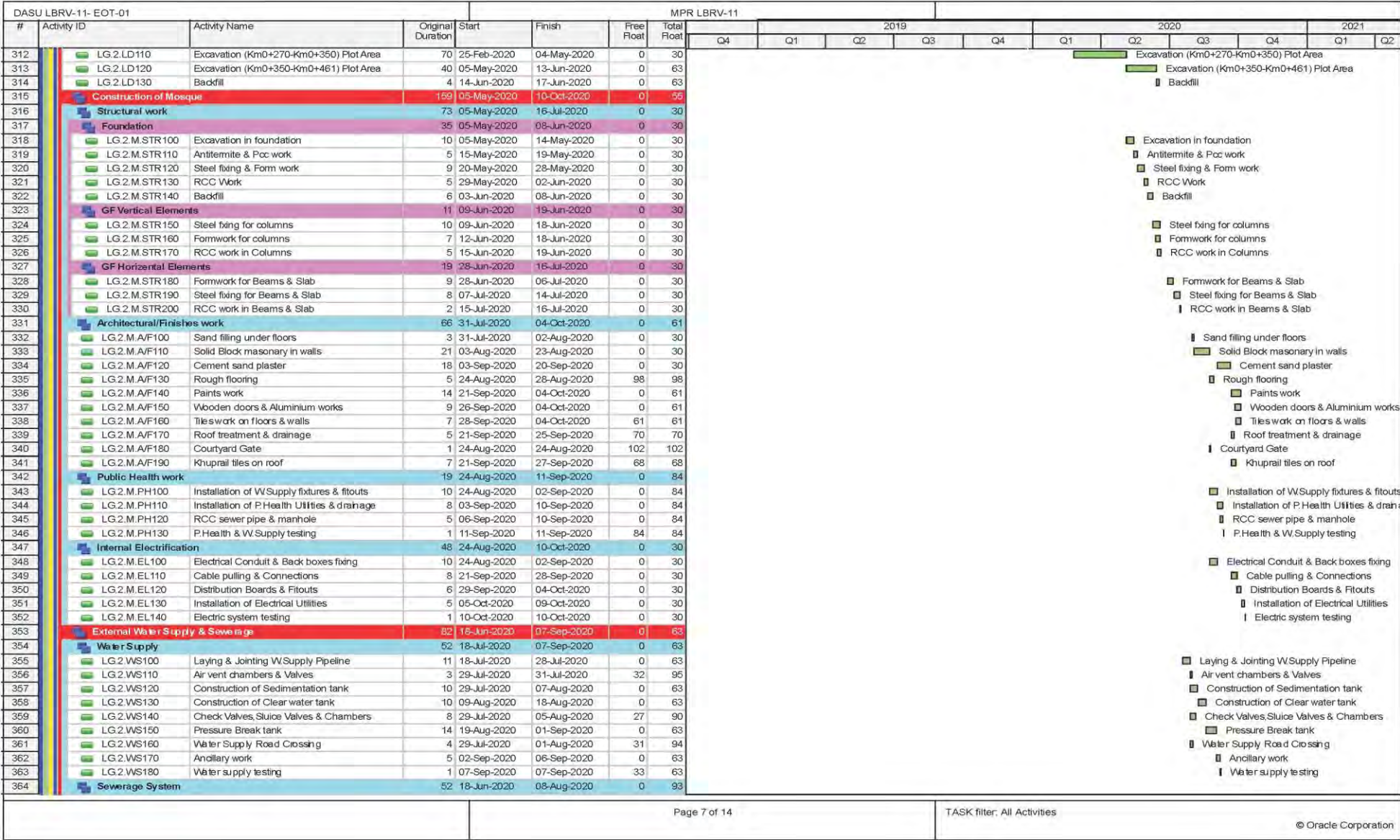


Gantt Chart of Dasu-LBRV-11 (5 of 14)



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

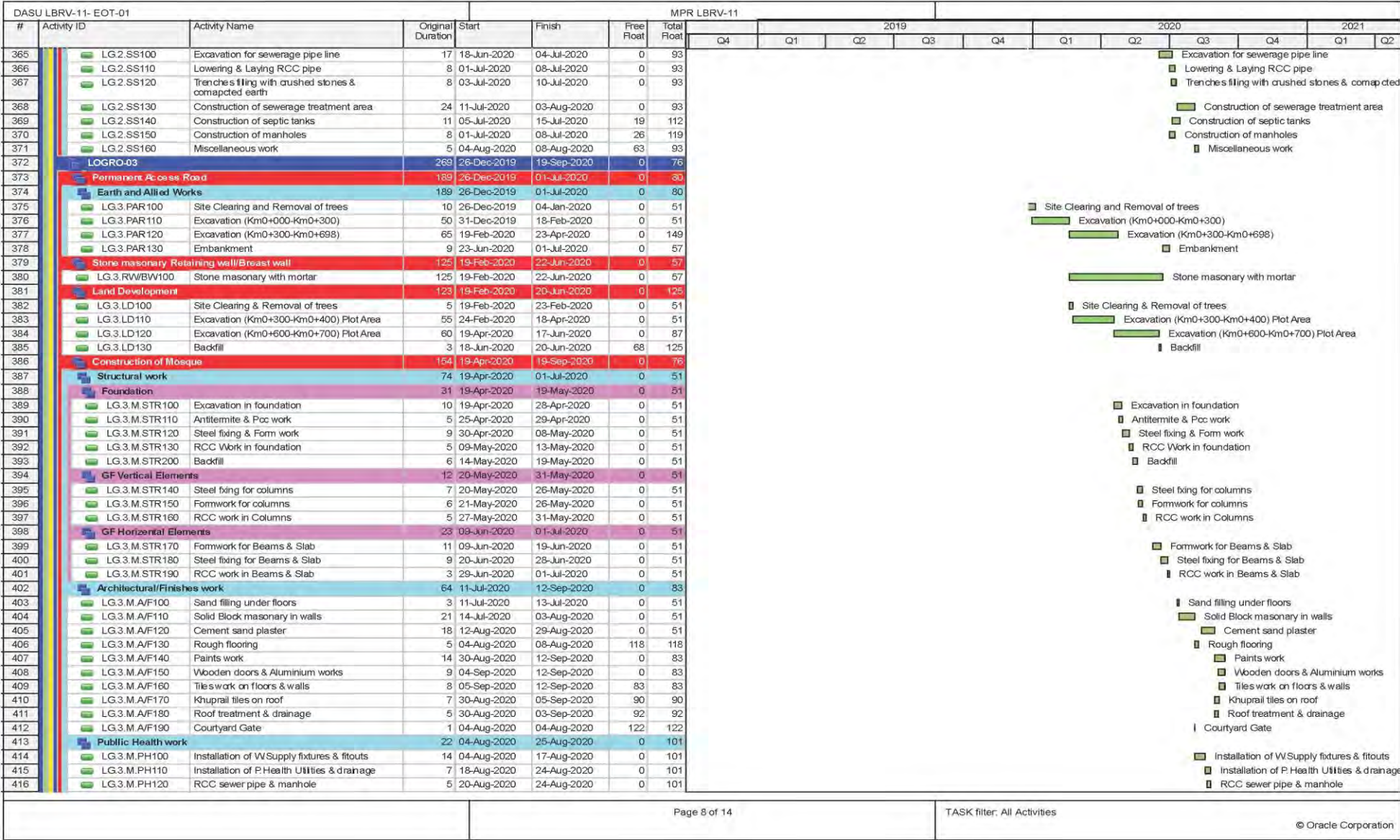
Figure 20 [7/14]



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

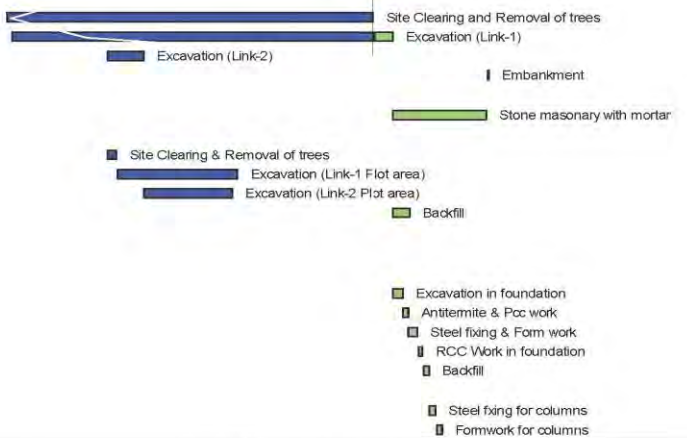
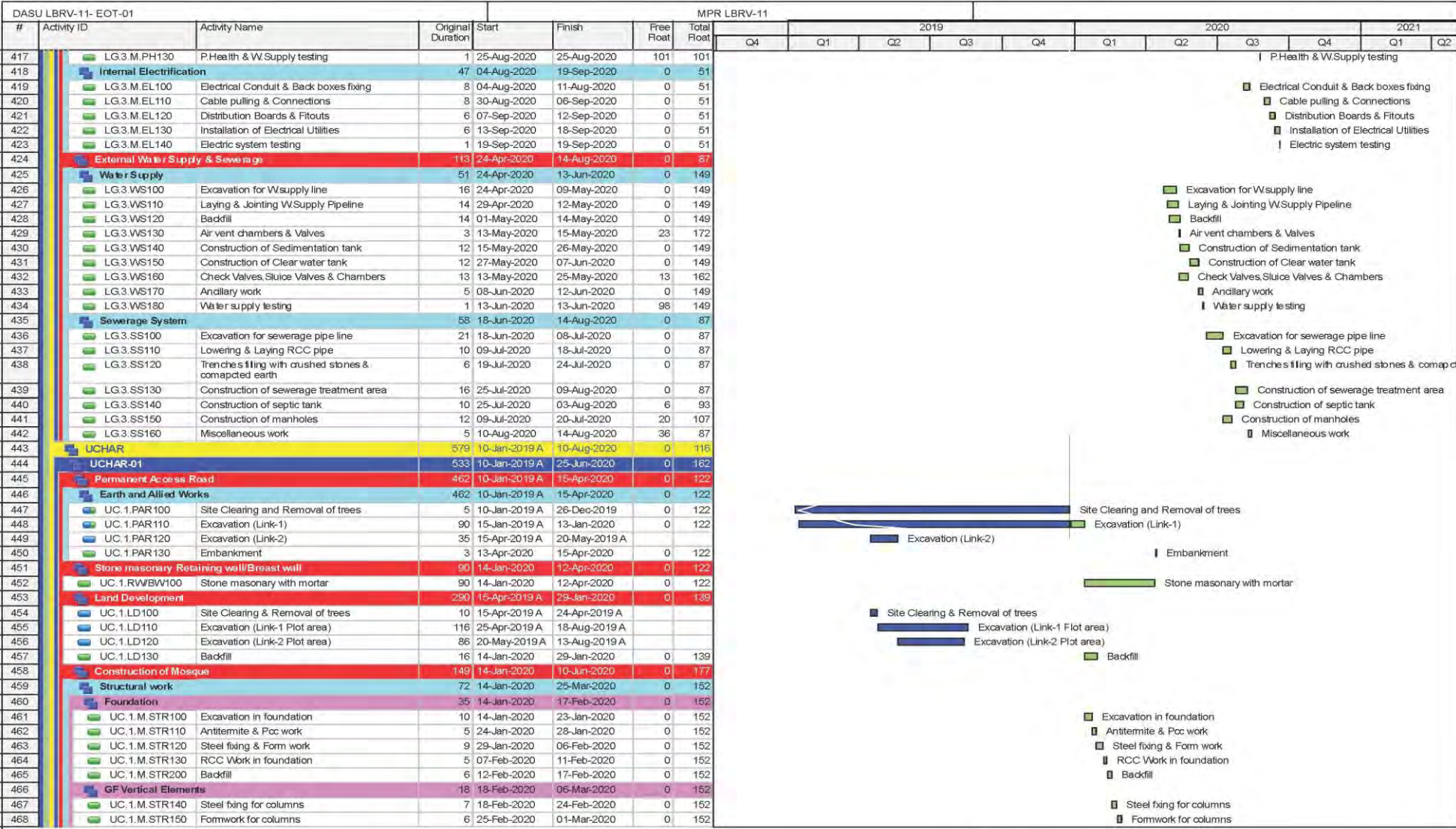


Figure 20 [8/14]



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

Figure 20 [9/14]



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

**Dasu Hydropower Project  
Monthly Progress Report No. 104 (March 2023)**

**Figure 20 [10/14]**

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

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

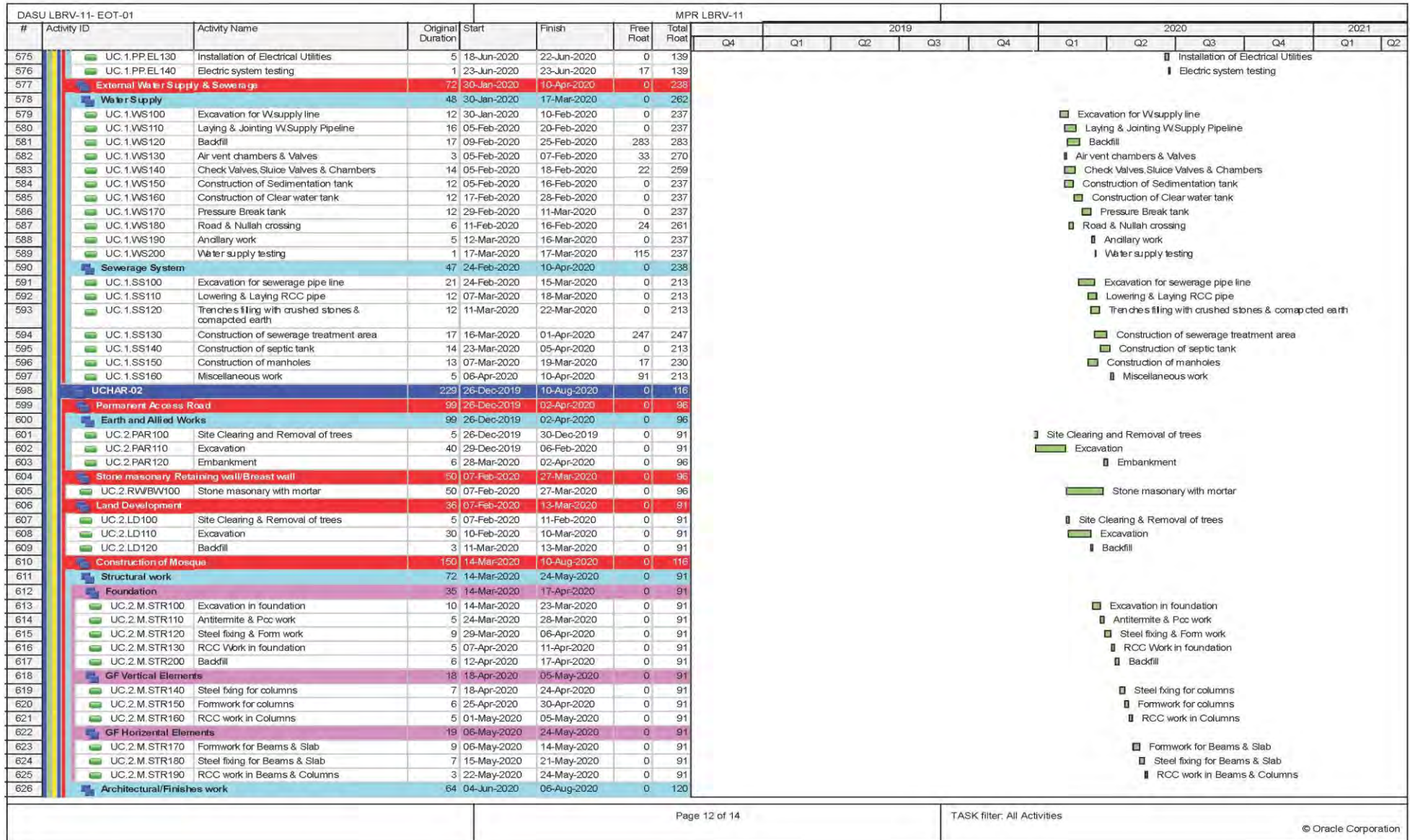
**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

**Figure 20 [11/14]**

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	
522	Public Health work		23	03-May-2020	25-May-2020	0	193												
523	UC. 1.HS.PH100	Installation of WSupply fixtures & fitouts	10	03-May-2020	12-May-2020	0	193												
524	UC. 1.HS.PH110	Installation of P.Health Utilities & drainage	8	13-May-2020	20-May-2020	0	193												
525	UC. 1.HS.PH120	RCC sewer pipe & manhole	5	16-May-2020	20-May-2020	0	193												
526	UC. 1.HS.PH130	P.Health & W.Supply testing	1	25-May-2020	25-May-2020	193	193												
527	Internal Electrification		54	03-May-2020	25-Jun-2020	0	137												
528	UC. 1.HS.EL100	Electrical Conduit & Back boxes fixing	9	03-May-2020	11-May-2020	0	137												
529	UC. 1.HS.EL110	Cable pulling & Connections	7	31-May-2020	06-Jun-2020	0	137												
530	UC. 1.HS.EL120	Distribution Boards & Fitouts	6	14-Jun-2020	19-Jun-2020	0	137												
531	UC. 1.HS.EL130	Installation of Electrical Utilities	5	20-Jun-2020	24-Jun-2020	0	137												
532	UC. 1.HS.EL140	Electric system testing	1	25-Jun-2020	25-Jun-2020	15	137												
533	Construction of Police Post		146	30-Jan-2020	23-Jun-2020	0	164												
534	UC. 1.PP.LD.100	Land development/creating slopes & lawns	15	30-Jan-2020	13-Feb-2020	0	139												
535	Structural work		86	30-Jan-2020	24-Apr-2020	0	139												
536	Foundation		17	30-Jan-2020	15-Feb-2020	0	139												
537	UC. 1.PP.STR100	Excavation in foundation	3	30-Jan-2020	01-Feb-2020	0	139												
538	UC. 1.PP.STR110	Anittemite & Pcc work	2	02-Feb-2020	03-Feb-2020	0	139												
539	UC. 1.PP.STR120	Steel fixing & Form work	6	04-Feb-2020	09-Feb-2020	0	139												
540	UC. 1.PP.STR130	RCC Work	1	10-Feb-2020	10-Feb-2020	0	139												
541	UC. 1.PP.STR140	Backfill	5	11-Feb-2020	15-Feb-2020	0	139												
542	GF Vertical Elements		13	16-Feb-2020	28-Feb-2020	0	139												
543	UC. 1.PP.STR150	Steel fixing for columns	6	16-Feb-2020	21-Feb-2020	0	139												
544	UC. 1.PP.STR160	Formwork for columns	5	22-Feb-2020	26-Feb-2020	0	139												
545	UC. 1.PP.STR170	RCC work in Columns	2	27-Feb-2020	28-Feb-2020	0	139												
546	GF Horizontal Elements		15	29-Feb-2020	14-Mar-2020	0	139												
547	UC. 1.PP.STR180	Formwork for Beams & Slab	8	29-Feb-2020	07-Mar-2020	0	139												
548	UC. 1.PP.STR190	Steel fixing for Beams & Slab	6	08-Mar-2020	13-Mar-2020	0	139												
549	UC. 1.PP.STR200	RCC work in Beams & Slab	1	14-Mar-2020	14-Mar-2020	0	139												
550	FF Vertical Elements		14	25-Mar-2020	07-Apr-2020	0	139												
551	UC. 1.PP.STR210	Steel fixing for columns	7	25-Mar-2020	31-Mar-2020	0	139												
552	UC. 1.PP.STR220	Formwork for columns	5	01-Apr-2020	05-Apr-2020	0	139												
553	UC. 1.PP.STR230	RCC work in Columns	2	06-Apr-2020	07-Apr-2020	0	139												
554	FF Horizontal Elements		17	08-Apr-2020	24-Apr-2020	0	139												
555	UC. 1.PP.STR240	Formwork for Beams & Slab	9	08-Apr-2020	16-Apr-2020	0	139												
556	UC. 1.PP.STR250	Steel fixing for Beams & Slab	7	17-Apr-2020	23-Apr-2020	0	139												
557	UC. 1.PP.STR260	RCC work in Beams & Slab	1	24-Apr-2020	24-Apr-2020	0	139												
558	Architectural/Finishes work		48	05-May-2020	21-Jun-2020	0	166												
559	UC. 1.PP.A/F100	Block masonry in walls	14	05-May-2020	18-May-2020	0	139												
560	UC. 1.PP.A/F110	Cement sand plaster	12	29-May-2020	09-Jun-2020	0	139												
561	UC. 1.PP.A/F120	Doors, windows & ventilators	8	10-Jun-2020	17-Jun-2020	170	170												
562	UC. 1.PP.A/F130	Paint work	10	10-Jun-2020	19-Jun-2020	0	166												
563	UC. 1.PP.A/F140	Tileswork on floors & walls	8	12-Jun-2020	19-Jun-2020	0	166												
564	UC. 1.PP.A/F150	Khuprail tiles on slant roof	7	10-Jun-2020	16-Jun-2020	171	171												
565	UC. 1.PP.A/F160	Miscellaneous Works	2	20-Jun-2020	21-Jun-2020	166	166												
566	Public Health work		18	19-May-2020	05-Jun-2020	0	182												
567	UC. 1.PP.PH100	Installation of WSupply fixtures & fitouts	11	19-May-2020	29-May-2020	0	182												
568	UC. 1.PP.PH110	Installation of P.Health Utilities & drainage	6	30-May-2020	04-Jun-2020	0	182												
569	UC. 1.PP.PH120	RCC sewer pipe & manhole	5	31-May-2020	04-Jun-2020	0	182												
570	UC. 1.PP.PH130	P.Health & W.Supply testing	1	05-Jun-2020	05-Jun-2020	182	182												
571	Internal Electrification		36	19-May-2020	23-Jun-2020	0	139												
572	UC. 1.PP.EL100	Electrical Conduit & Back boxes fixing	10	19-May-2020	28-May-2020	0	139												
573	UC. 1.PP.EL110	Cable pulling & Connections	7	10-Jun-2020	16-Jun-2020	0	139												
574	UC. 1.PP.EL120	Distribution Boards & Fitouts	6	17-Jun-2020	22-Jun-2020	0	139												

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

Figure 20 [12/14]



Gantt Chart of Dasu-LBRV-11 (12 of 14)

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

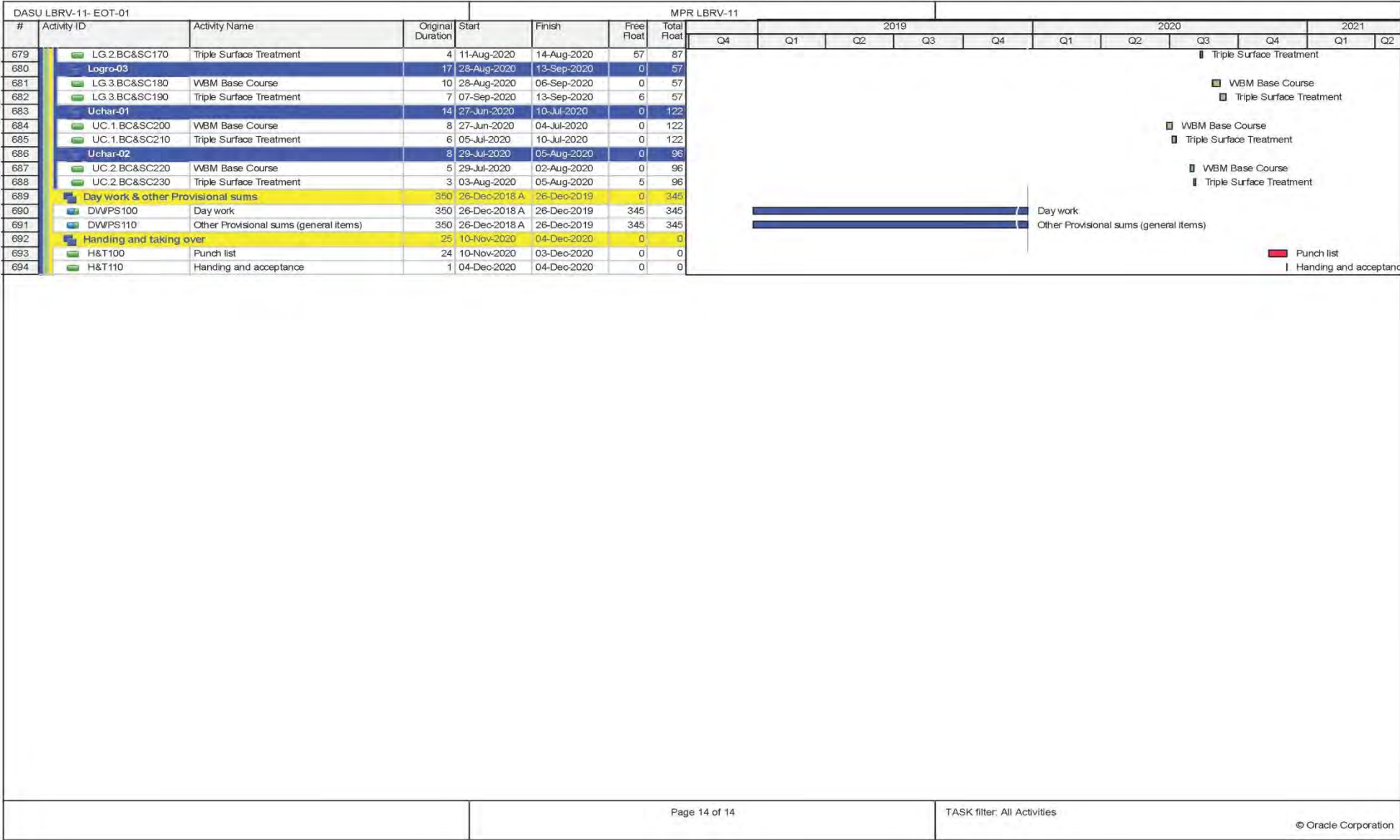
**Figure 20 [13/14]**

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	09-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
- 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)

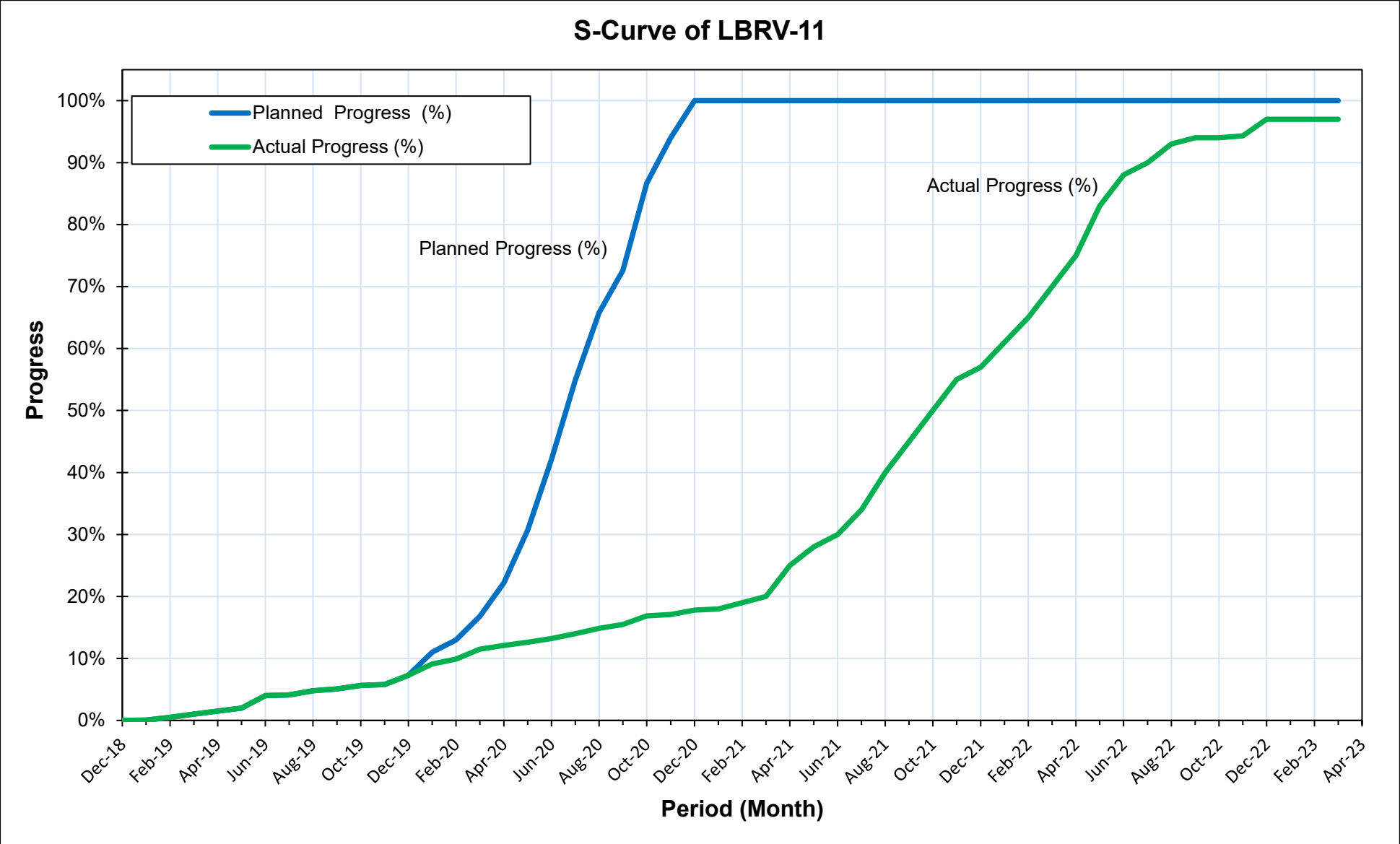


Figure 21: S-Curve for LBRV-11



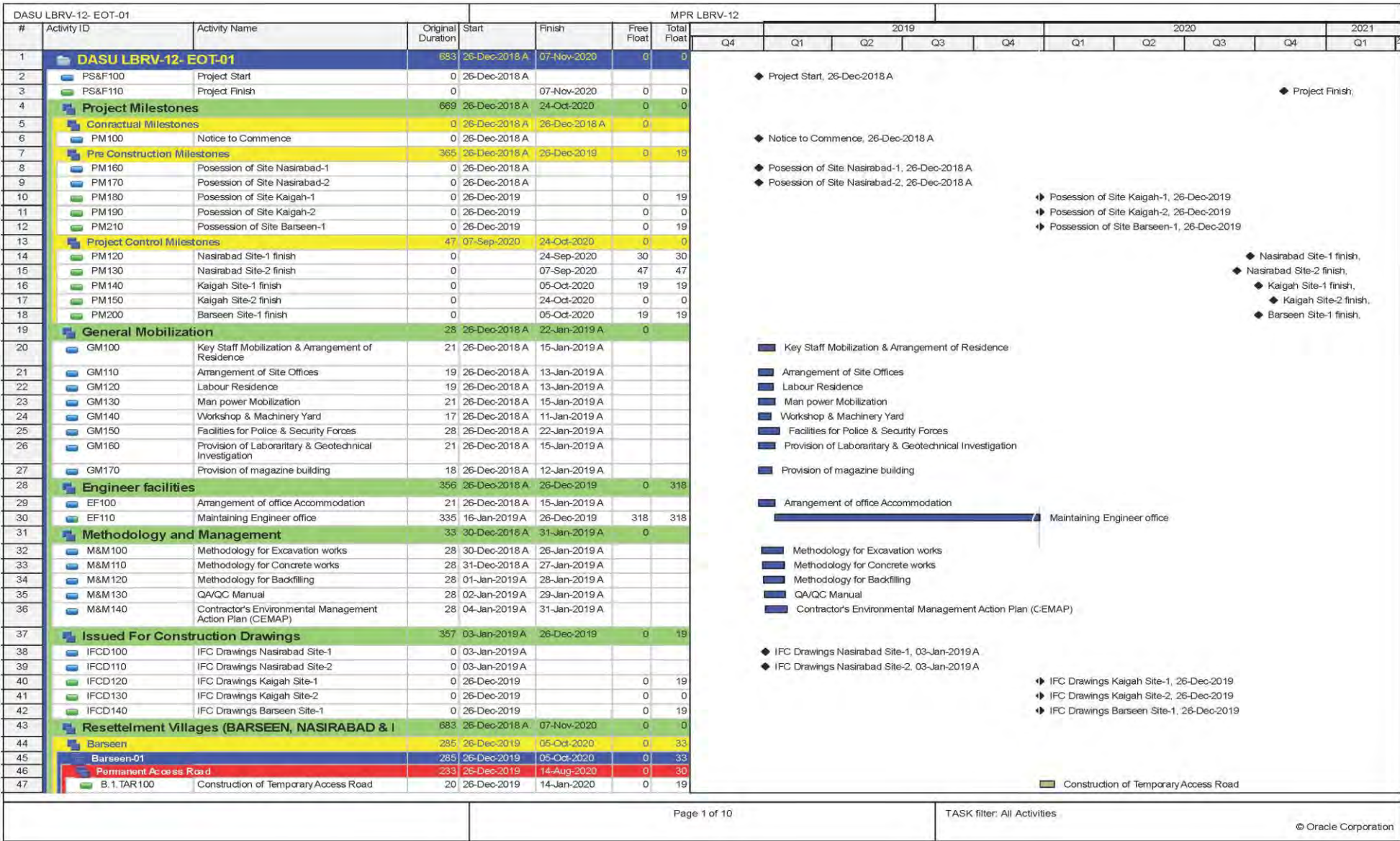


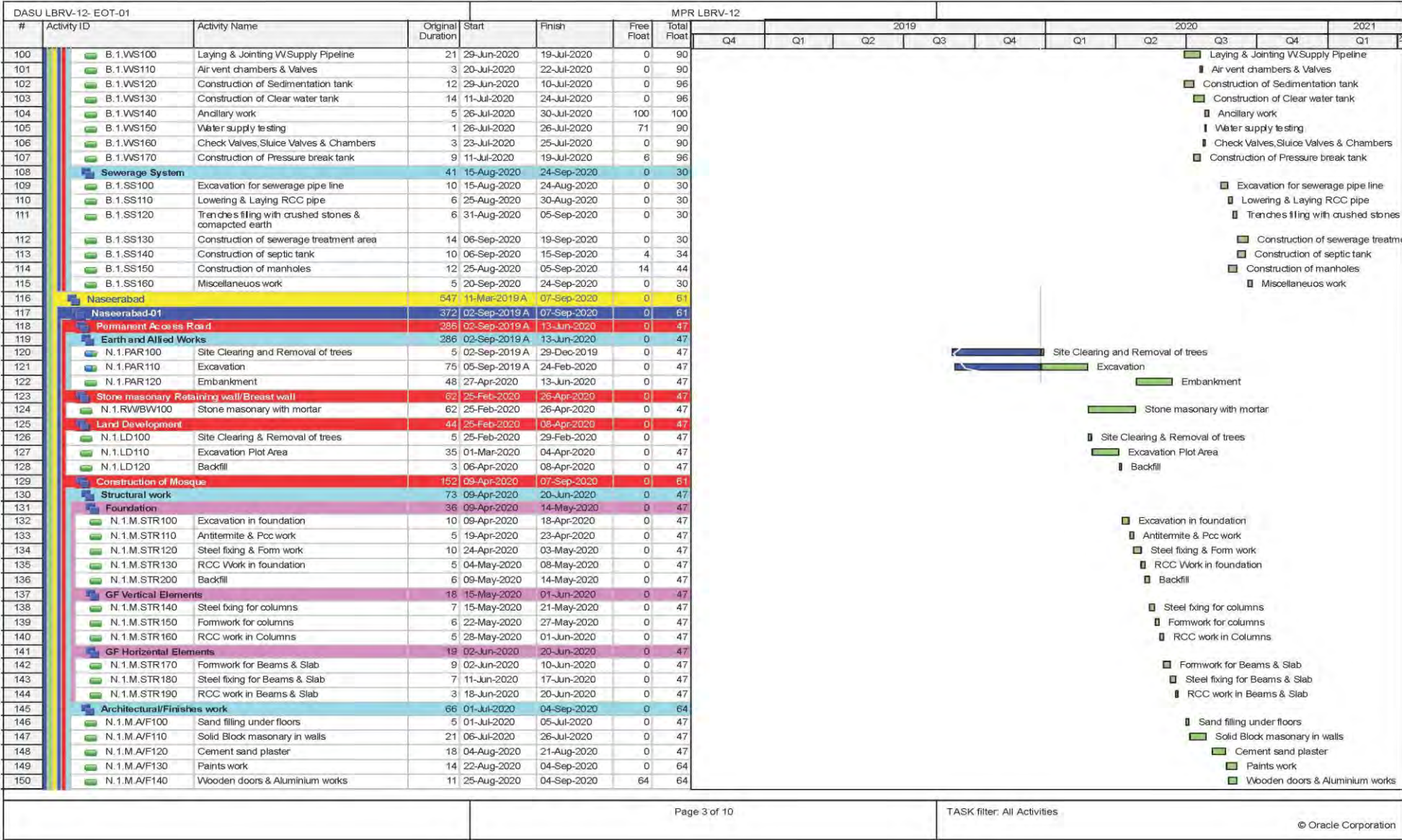
Figure 22: Gantt Chart of Dasu-LBRV-12 (1 of 10)

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	
48	<b>Earth and Allied Works</b>		213	15-Jan-2020	14-Aug-2020	0	30											
49	B.1.PAR100	Site Clearing and Removal of trees	5	15-Jan-2020	19-Jan-2020	0	19											
50	B.1.PAR110	Excavation (Km0+000-Km1+400)	55	18-Jan-2020	12-Mar-2020	0	19											
51	B.1.PAR120	Excavation (Km1+400-Km1+864)	60	13-Mar-2020	11-May-2020	0	90											
52	B.1.PAR130	Embankment	35	11-Jul-2020	14-Aug-2020	0	30											
53	<b>Stones masonry Retaining wall/Breast wall</b>		120	13-Mar-2020	10-Jul-2020	0	30											
54	B.1.RWBW100	Stone masonry with mortar	120	13-Mar-2020	10-Jul-2020	0	30											
55	<b>Land Development</b>		108	13-Mar-2020	28-Jun-2020	0	90											
56	B.1.LD100	Site Clearing & Removal of trees	5	13-Mar-2020	17-Mar-2020	0	19											
57	B.1.LD110	Excavation (Km1+400-Km1+550) Plot Area	50	18-Mar-2020	06-May-2020	0	19											
58	B.1.LD120	Excavation (Km1+750-Km1+860) Plot Area	45	12-May-2020	25-Jun-2020	0	90											
59	B.1.LD130	Backfill	3	26-Jun-2020	28-Jun-2020	0	90											
60	<b>Construction of Mosque</b>		162	07-May-2020	05-Oct-2020	0	33											
61	<b>Structural work</b>		73	07-May-2020	18-Jul-2020	0	19											
62	<b>Foundation</b>		36	07-May-2020	11-Jun-2020	0	19											
63	B.1.M.STR100	Excavation in foundation	10	07-May-2020	16-May-2020	0	19											
64	B.1.M.STR110	Antitermite & Pcc work	5	17-May-2020	21-May-2020	0	19											
65	B.1.M.STR120	Steel fixing & Form work	10	22-May-2020	31-May-2020	0	19											
66	B.1.M.STR130	RCC Work in foundation	5	01-Jun-2020	05-Jun-2020	0	19											
67	B.1.M.STR200	Backfill	6	06-Jun-2020	11-Jun-2020	0	19											
68	<b>GF Vertical Elements</b>		18	12-Jun-2020	29-Jun-2020	0	19											
69	B.1.M.STR140	Steel fixing for columns	7	12-Jun-2020	18-Jun-2020	0	19											
70	B.1.M.STR150	Formwork for columns	6	19-Jun-2020	24-Jun-2020	0	19											
71	B.1.M.STR160	RCC work in Columns	5	25-Jun-2020	29-Jun-2020	0	19											
72	<b>GF Horizontal Elements</b>		19	30-Jun-2020	18-Jul-2020	0	19											
73	B.1.M.STR170	Formwork for Beams & Slab	9	30-Jun-2020	08-Jul-2020	0	19											
74	B.1.M.STR180	Steel fixing for Beams & Slab	7	09-Jul-2020	15-Jul-2020	0	19											
75	B.1.M.STR190	RCC work in Beams & Slab	3	16-Jul-2020	18-Jul-2020	0	19											
76	<b>Architectural/Finishes work</b>		66	29-Jul-2020	02-Oct-2020	0	36											
77	B.1.M.A/F100	Sand filling under floors	5	29-Jul-2020	02-Aug-2020	0	19											
78	B.1.M.A/F110	Solid Block masonry in walls	21	03-Aug-2020	23-Aug-2020	0	19											
79	B.1.M.A/F120	Cement sand plaster	18	01-Sep-2020	18-Sep-2020	0	19											
80	B.1.M.A/F130	Paints work	14	19-Sep-2020	02-Oct-2020	0	36											
81	B.1.M.A/F140	Wooden doors & Aluminium works	11	22-Sep-2020	02-Oct-2020	36	36											
82	B.1.M.A/F150	Tiles work on floors & walls	9	24-Sep-2020	02-Oct-2020	36	36											
83	B.1.M.A/F160	Roof treatment & drainage	7	19-Sep-2020	25-Sep-2020	43	43											
84	B.1.M.A/F170	Rough flooring	5	24-Aug-2020	28-Aug-2020	71	71											
85	B.1.M.A/F180	Courtyard Gate	1	24-Aug-2020	24-Aug-2020	75	75											
86	B.1.M.A/F190	Khuprail tiles on roof	7	19-Sep-2020	25-Sep-2020	43	43											
87	<b>Public Health work</b>		27	24-Aug-2020	19-Sep-2020	0	35											
88	B.1.M.PH100	Installation of WSupply fixtures & fitouts	14	24-Aug-2020	06-Sep-2020	0	35											
89	B.1.M.PH110	Installation of P Health Utilities & drainage	7	07-Sep-2020	13-Sep-2020	0	35											
90	B.1.M.PH120	RCC sewer pipe & manhole	5	14-Sep-2020	18-Sep-2020	0	35											
91	B.1.M.PH130	P Health & WSupply testing	1	19-Sep-2020	19-Sep-2020	16	35											
92	<b>Internal Electrification</b>		43	24-Aug-2020	05-Oct-2020	0	19											
93	B.1.M.ELE100	Electrical Conduit & Back boxes fixing	8	24-Aug-2020	31-Aug-2020	0	19											
94	B.1.M.ELE110	Cable pulling & Connections	6	19-Sep-2020	24-Sep-2020	0	19											
95	B.1.M.ELE120	Distribution Boards & Fitouts	5	25-Sep-2020	29-Sep-2020	0	19											
96	B.1.M.ELE130	Installation of Electrical Utilities	5	30-Sep-2020	04-Oct-2020	0	19											
97	B.1.M.ELE140	Electric system testing	1	05-Oct-2020	05-Oct-2020	0	19											
98	<b>External Water Supply &amp; Sewerage</b>		68	29-Jun-2020	24-Sep-2020	0	44											
99	<b>Water Supply</b>		32	29-Jun-2020	30-Jul-2020	0	100											

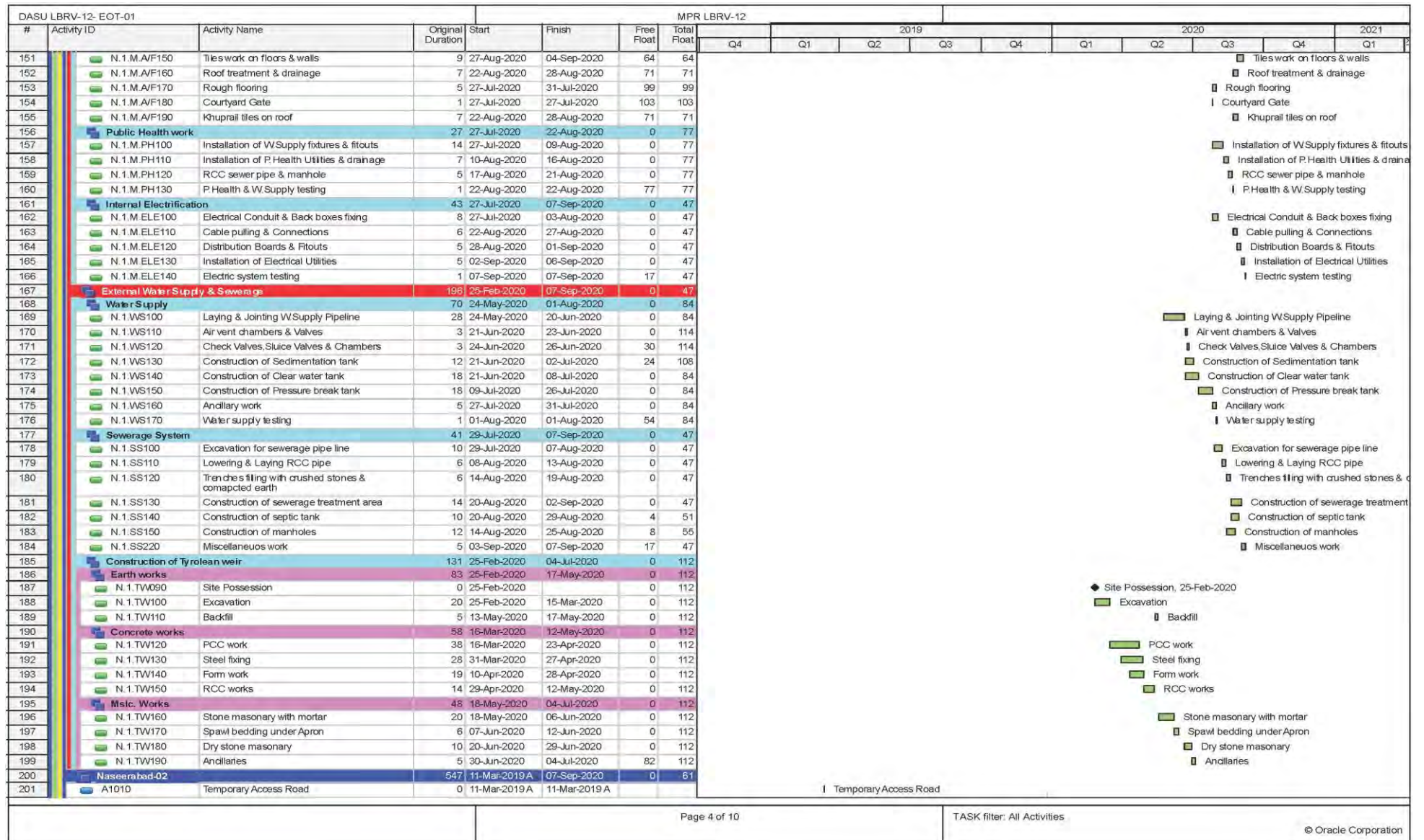
- █ Site Clearing and Removal of trees
  - █ Excavation (Km0+000-Km1+400)
  - █ Excavation (Km1+400-Km1+864)
  - █ Embankment
- █ Stone masonry with mortar
- █ Site Clearing & Removal of trees
  - █ Excavation (Km1+400-Km1+550) Plot Area
  - █ Excavation (Km1+750-Km1+860) Plot Area
  - █ Backfill
- █ Excavation in foundation
  - █ Antitermite & Pcc work
  - █ Steel fixing & Form work
  - █ RCC Work in foundation
  - █ Backfill
- █ Steel fixing for columns
  - █ Formwork for columns
  - █ RCC work in Columns
- █ Formwork for Beams & Slab
  - █ Steel fixing for Beams & Slab
  - █ RCC work in Beams & Slab
- █ Sand filling under floors
  - █ Solid Block masonry in walls
  - █ Cement sand plaster
  - █ Paints work
  - █ Wooden doors & Aluminium works
  - █ Tiles work 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 & WSupply testing
- █ Electrical Conduit & Back boxes fixing
  - █ Cable pulling & Connections
  - █ Distribution Boards & Fitouts
  - █ Installation of Electrical Utilities
  - █ Electric system testing

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

Figure 22 [3/10]

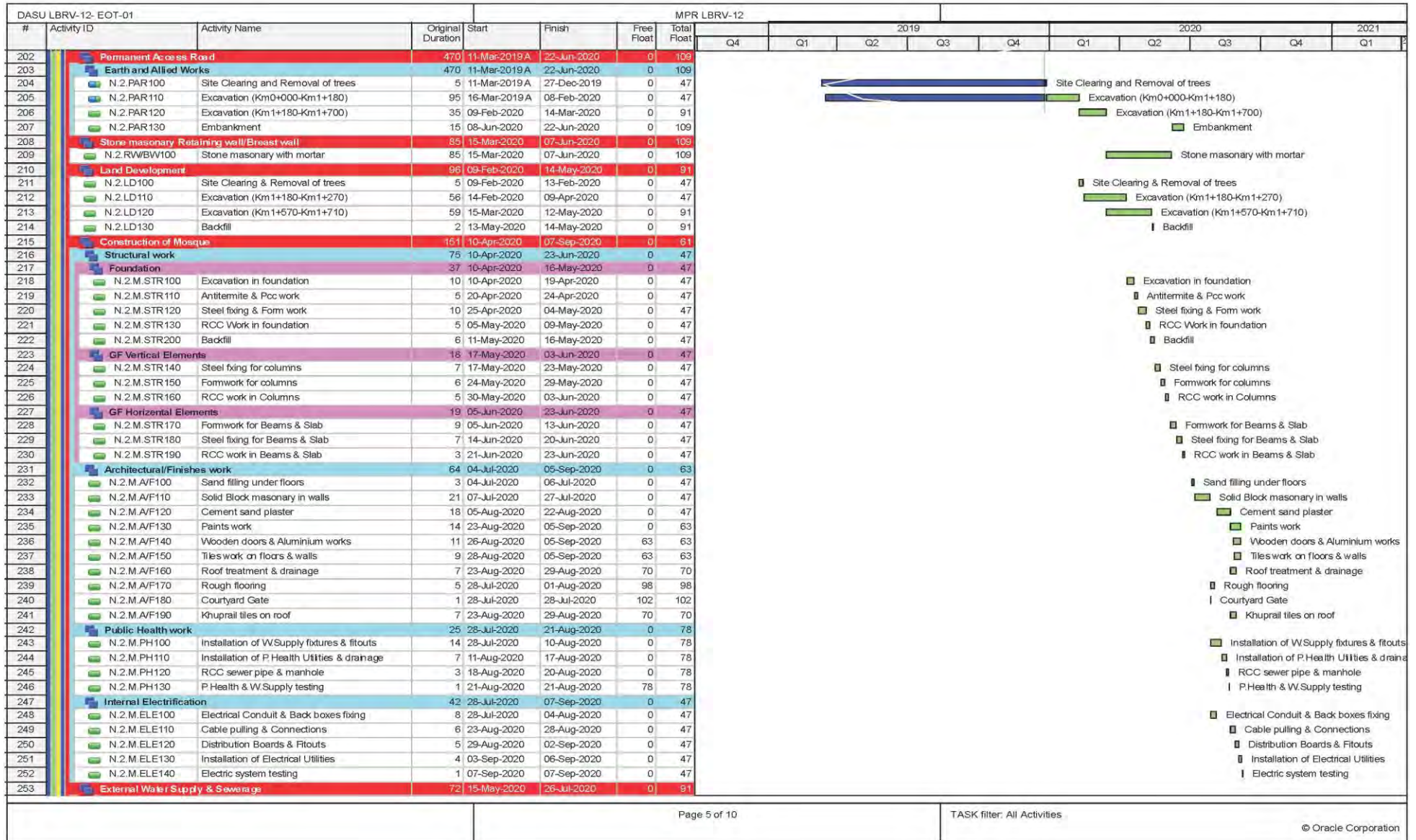


Gantt Chart of Dasu-LBRV-12 (3 of 10)

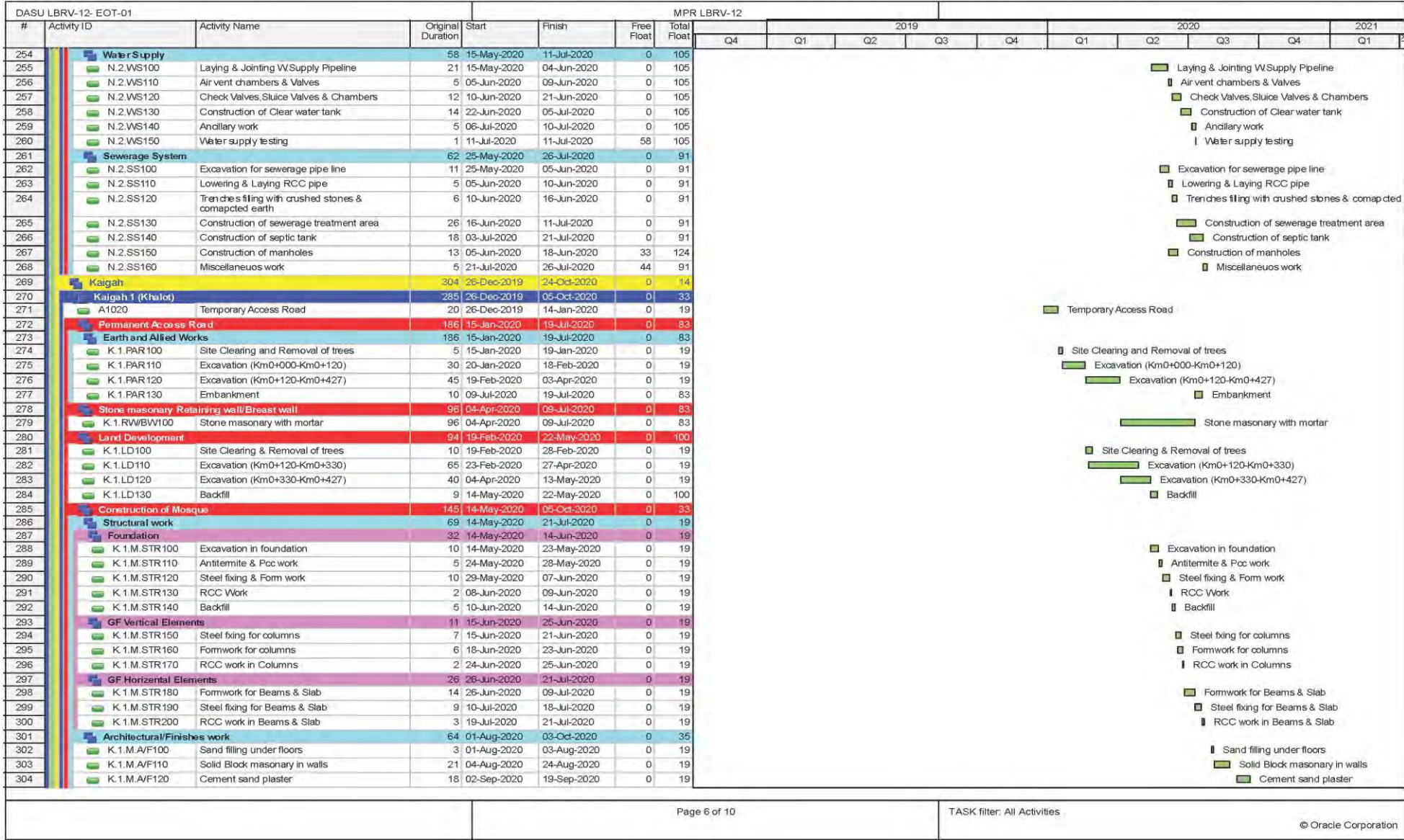


Gantt Chart of Dasu-LBRV-12 (4 of 10)

Figure 22 [5/10]



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



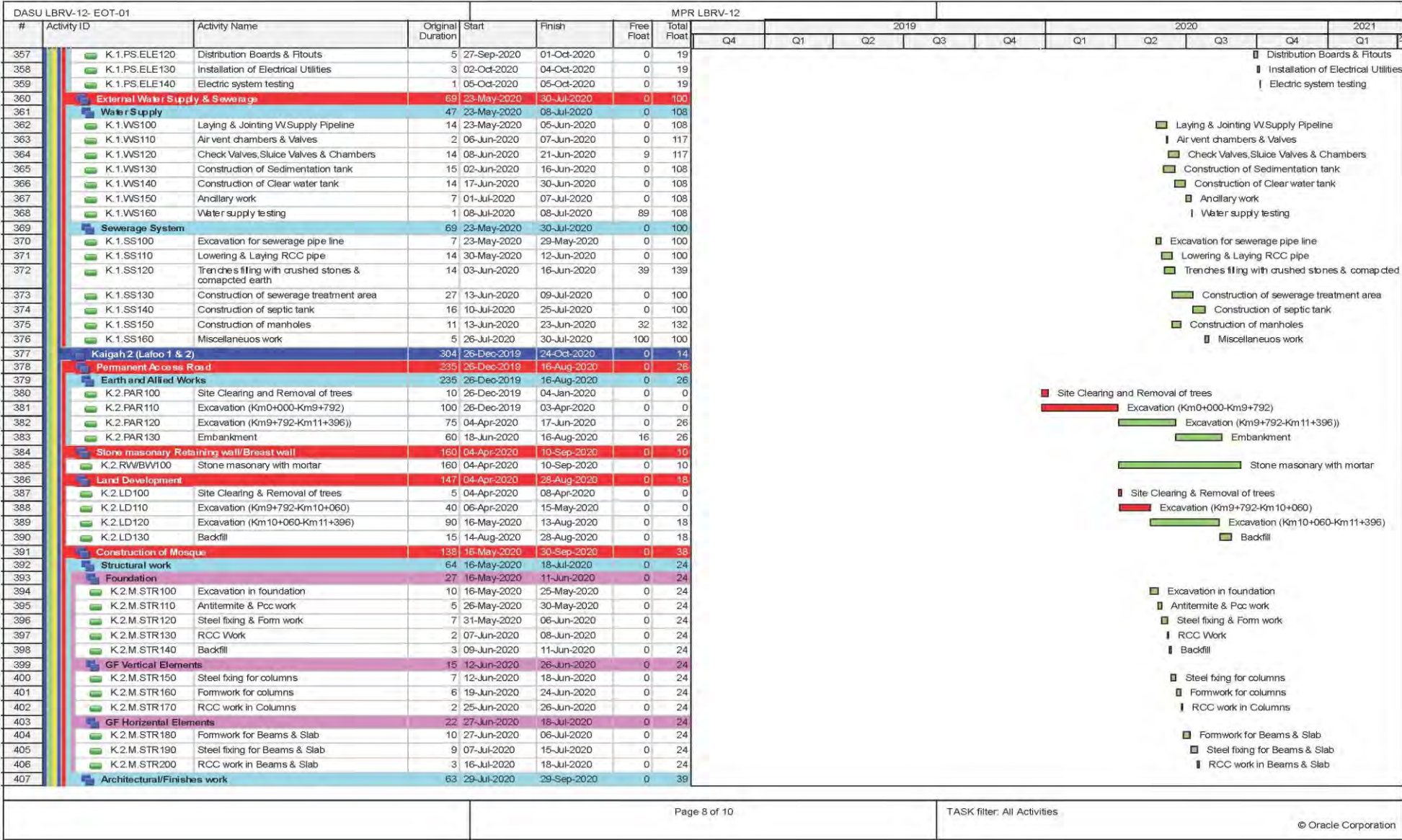
**Gantt Chart of Dasu-LBRV-12 (6 of 10)**

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		<b>Public Health work</b>	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		<b>Internal Electrification</b>	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		<b>Construction of Primary/Middle School</b>	16	28-Apr-2020	05-Oct-2020	0	33										
324		<b>Structural work</b>	86	28-Apr-2020	22-Jul-2020	0	19										
325		<b>Foundation</b>	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		<b>GF Vertical Elements</b>	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		<b>GF Horizontal Elements</b>	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		<b>Architectural/Finishes work</b>	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		<b>Public Health work</b>	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		<b>Internal Electrification</b>	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)

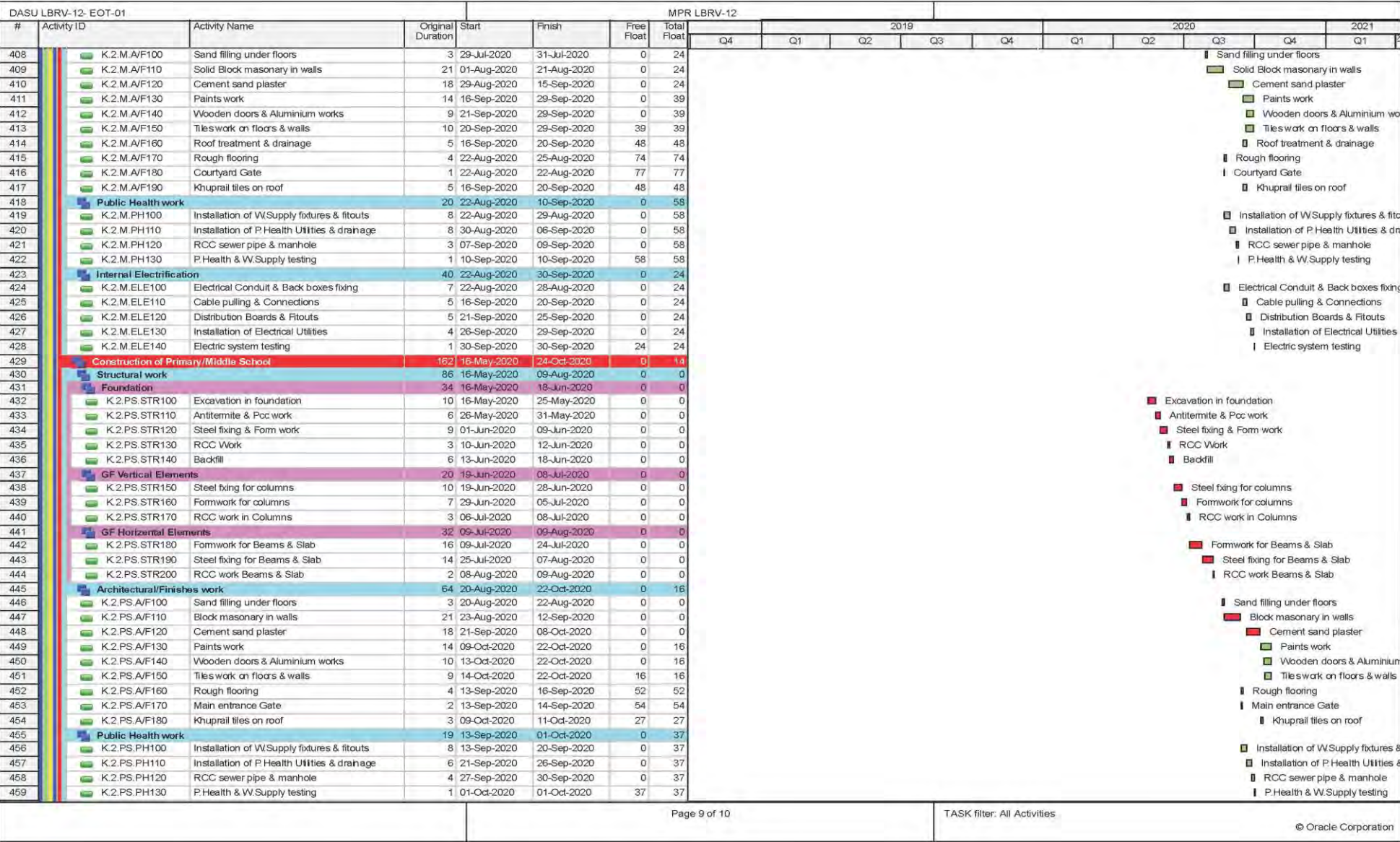
Figure 22 [8/10]



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

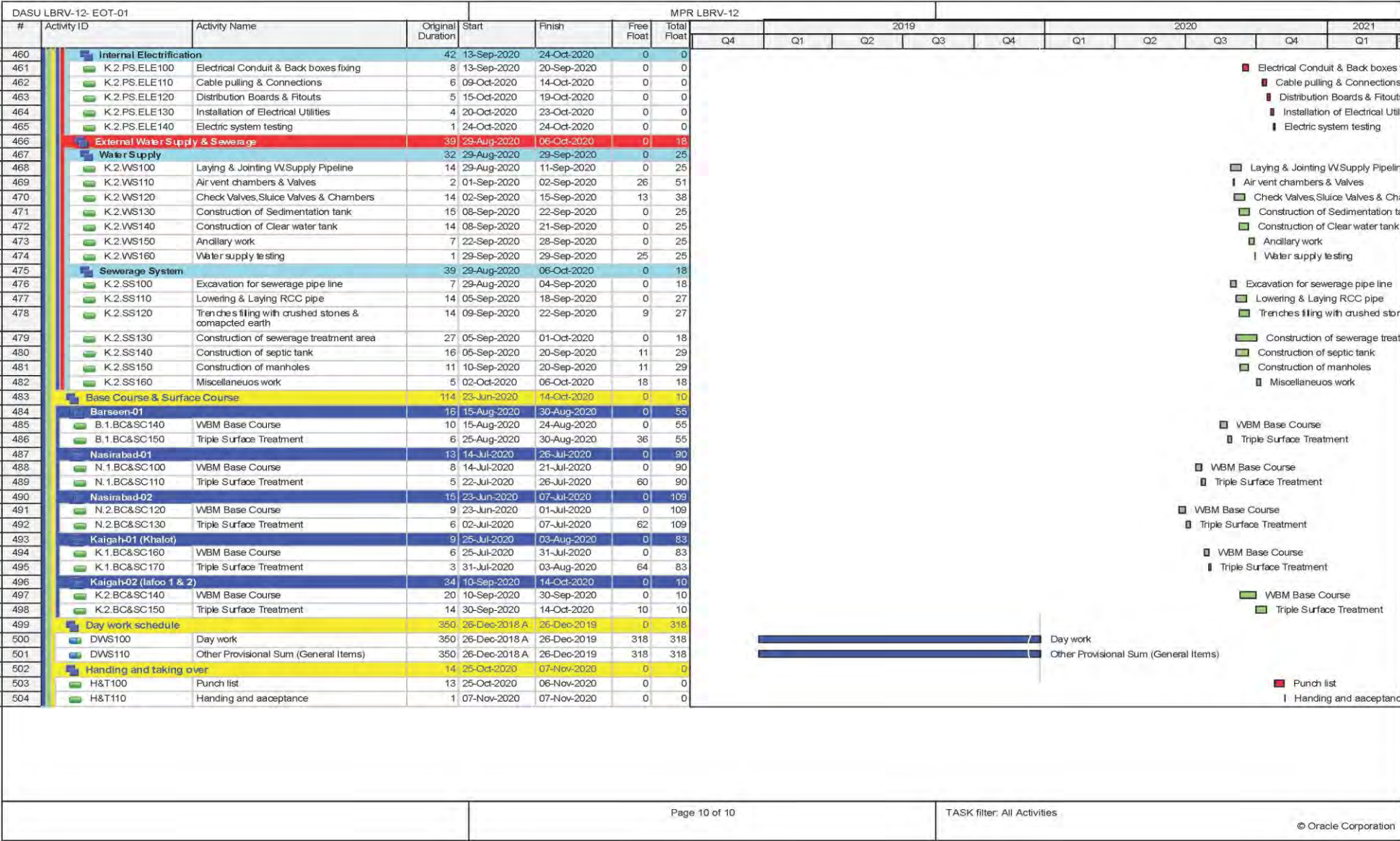


Figure 22 [9/10]



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

Figure 22 [10/10]



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

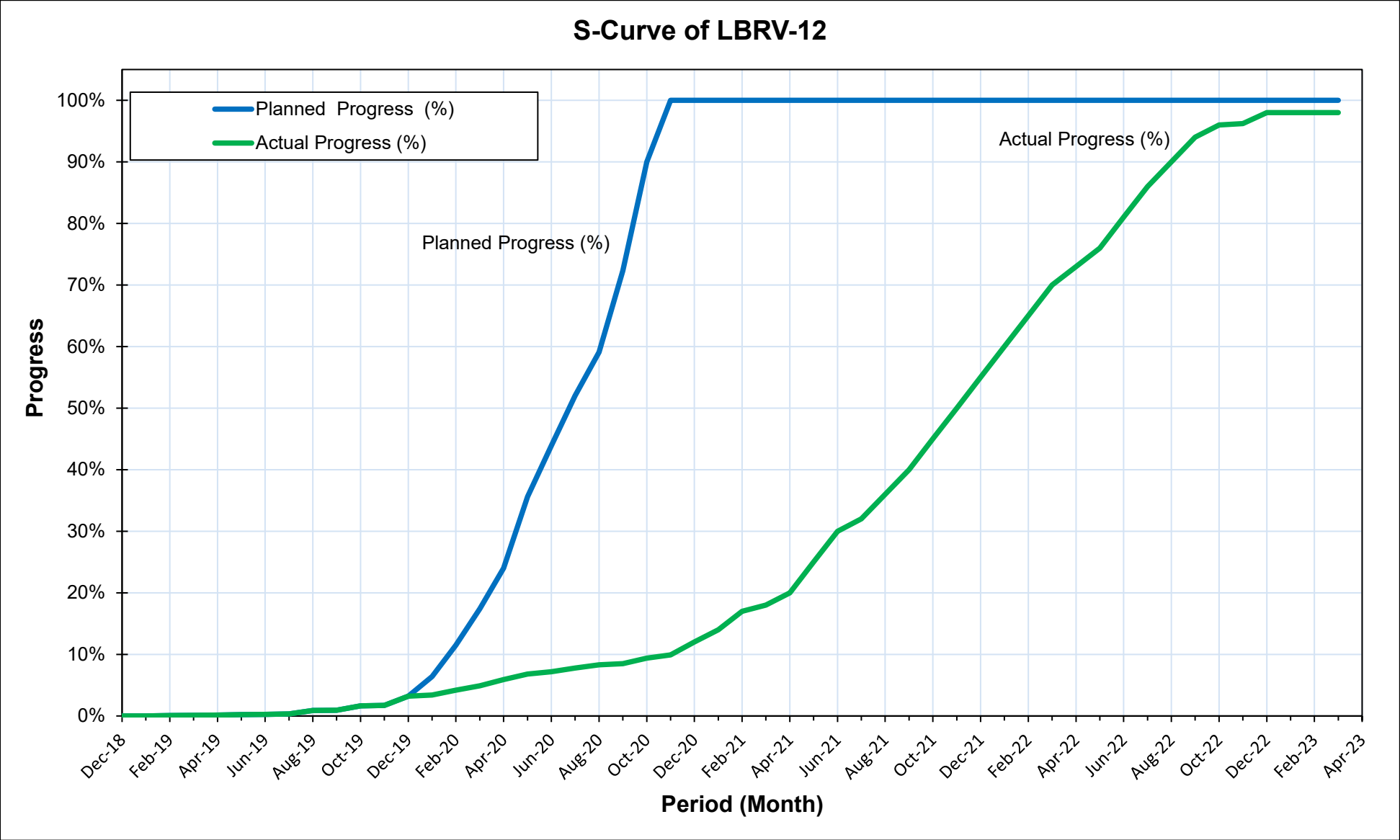


Figure 23: S-Curve for LBRV-12

Figure 24 [1/2]

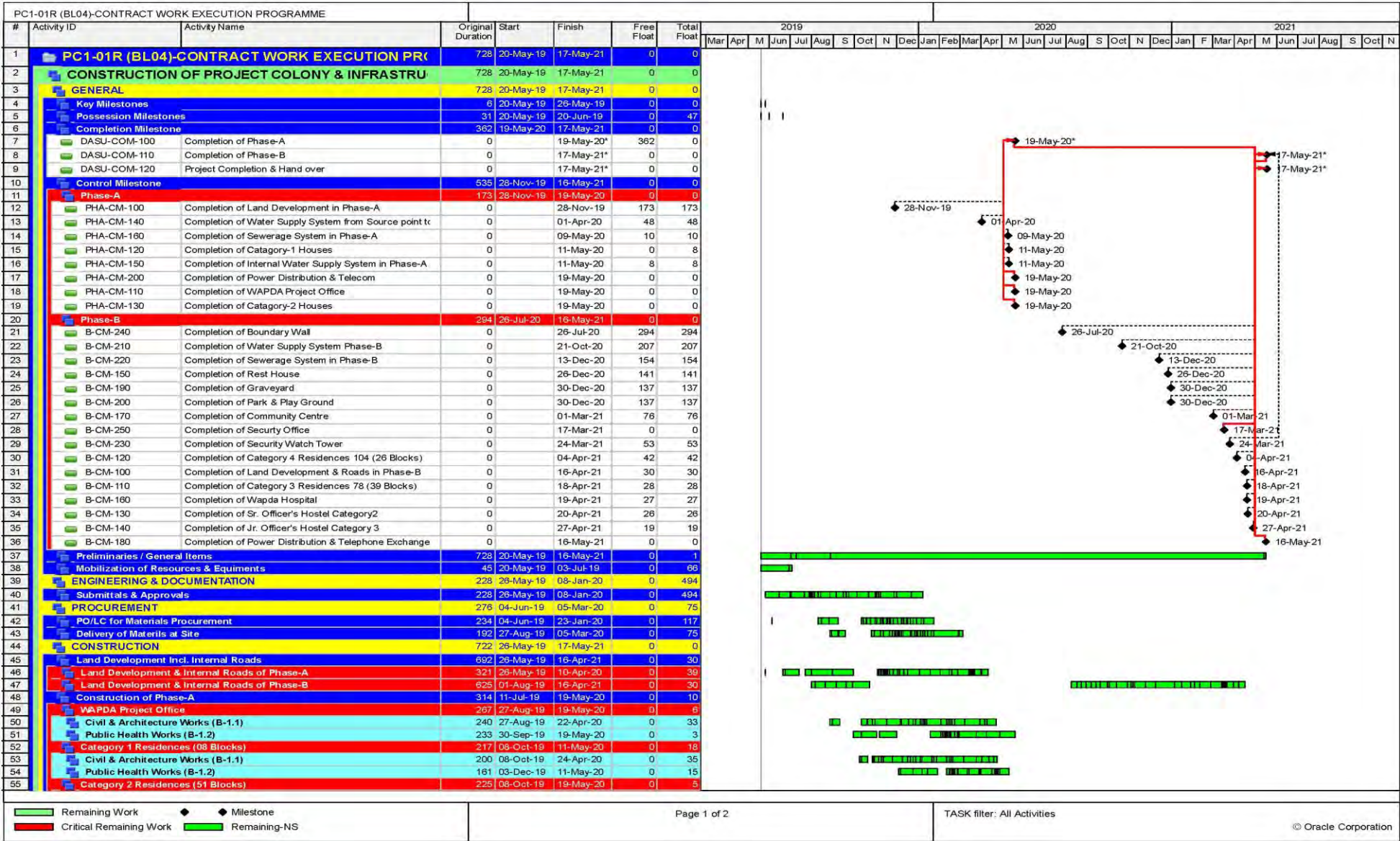
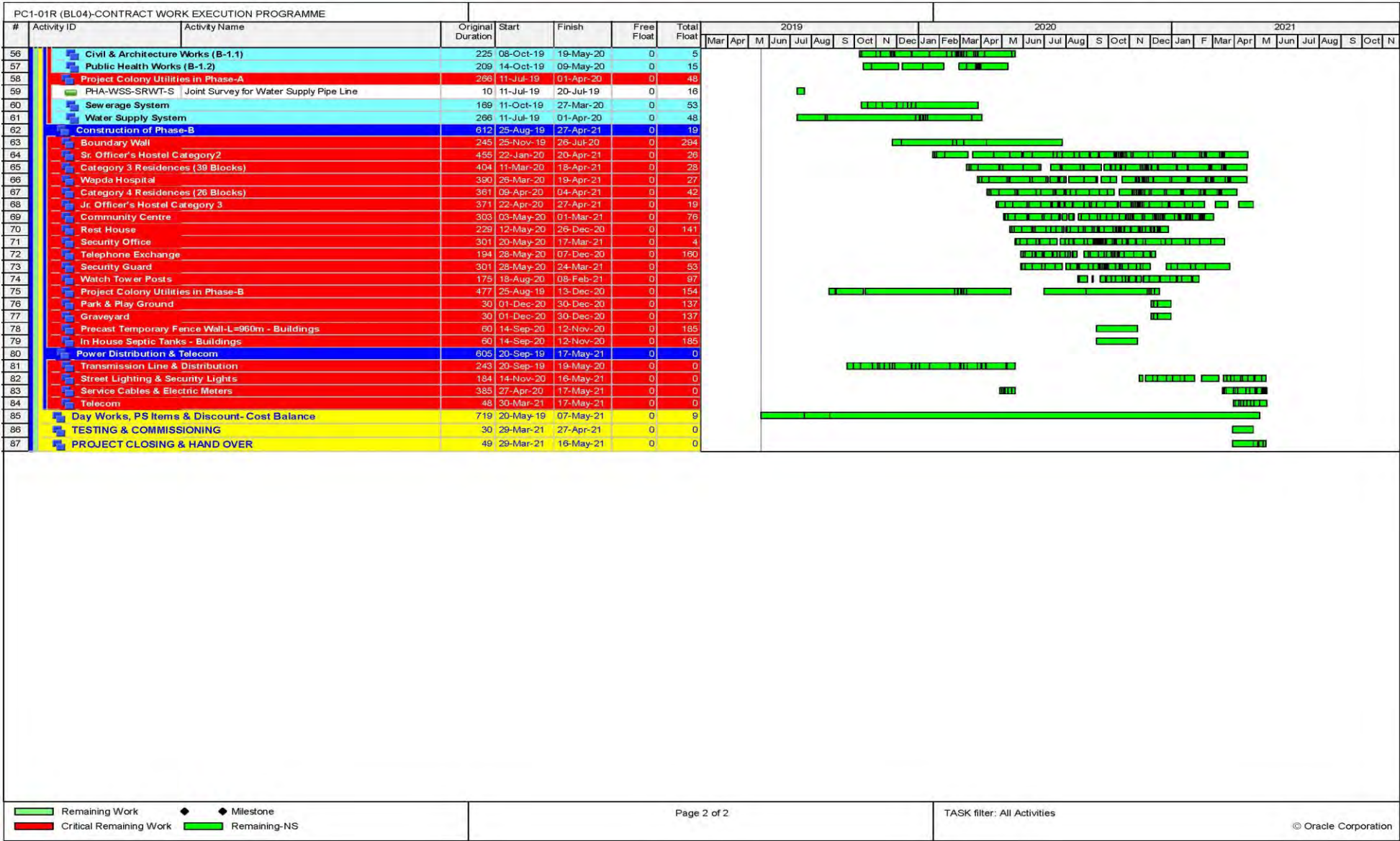


Figure 24: Gantt Chart of Dasu-PCI-01R (1 of 2)

Figure 24 [2/2]



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

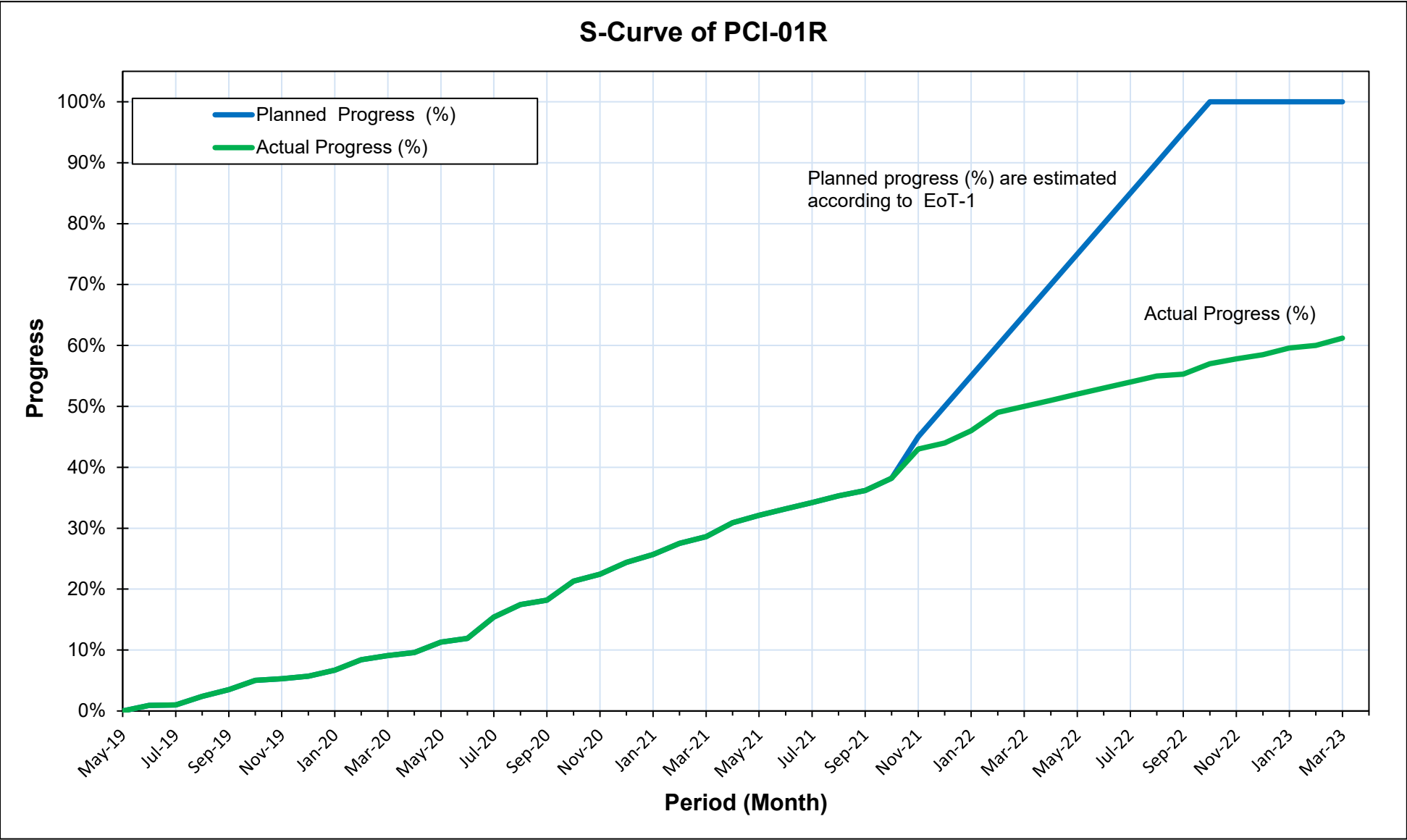


Figure 25: S-Curve for PCI-01R

Figure 26 [1/5]

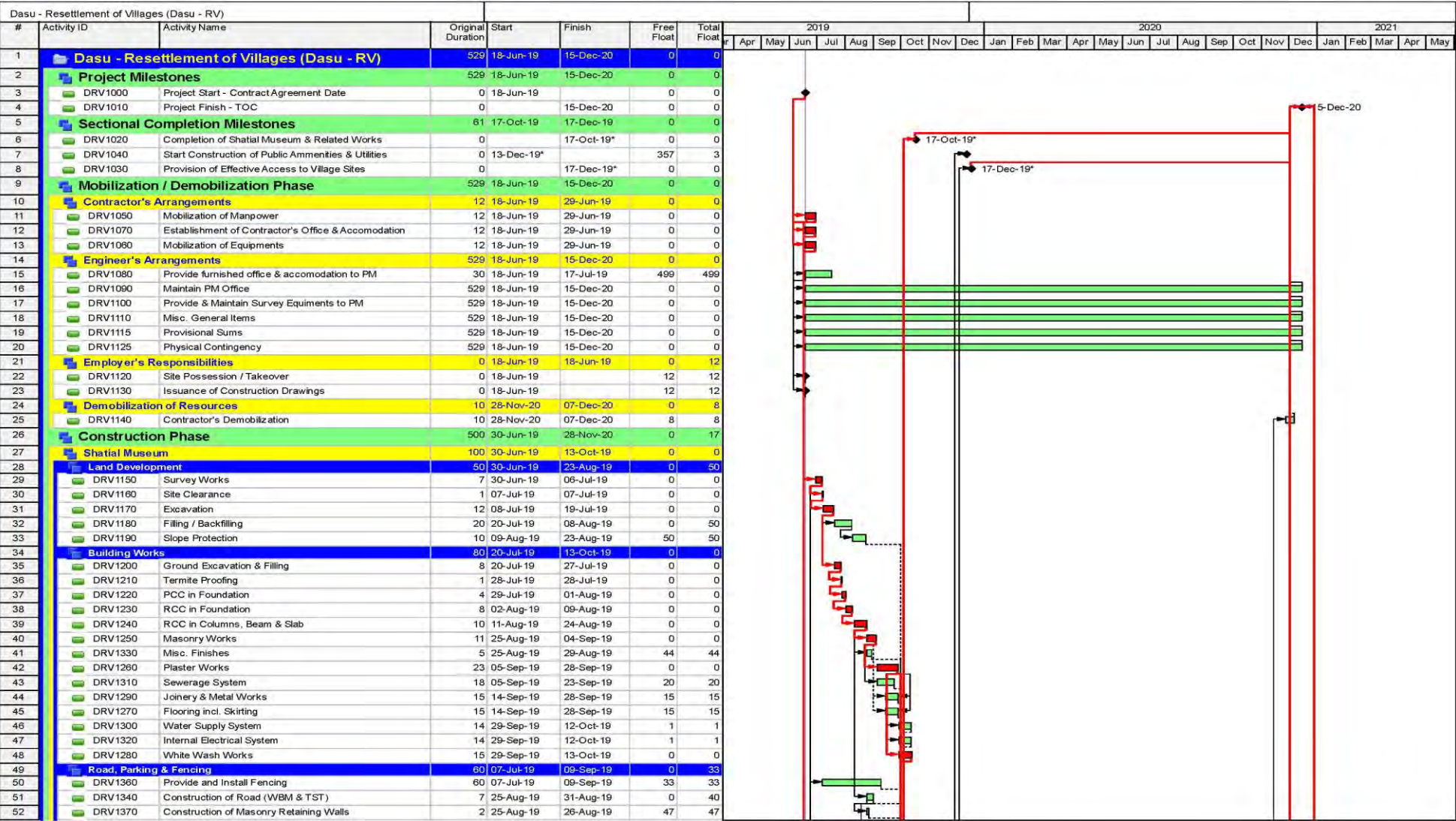
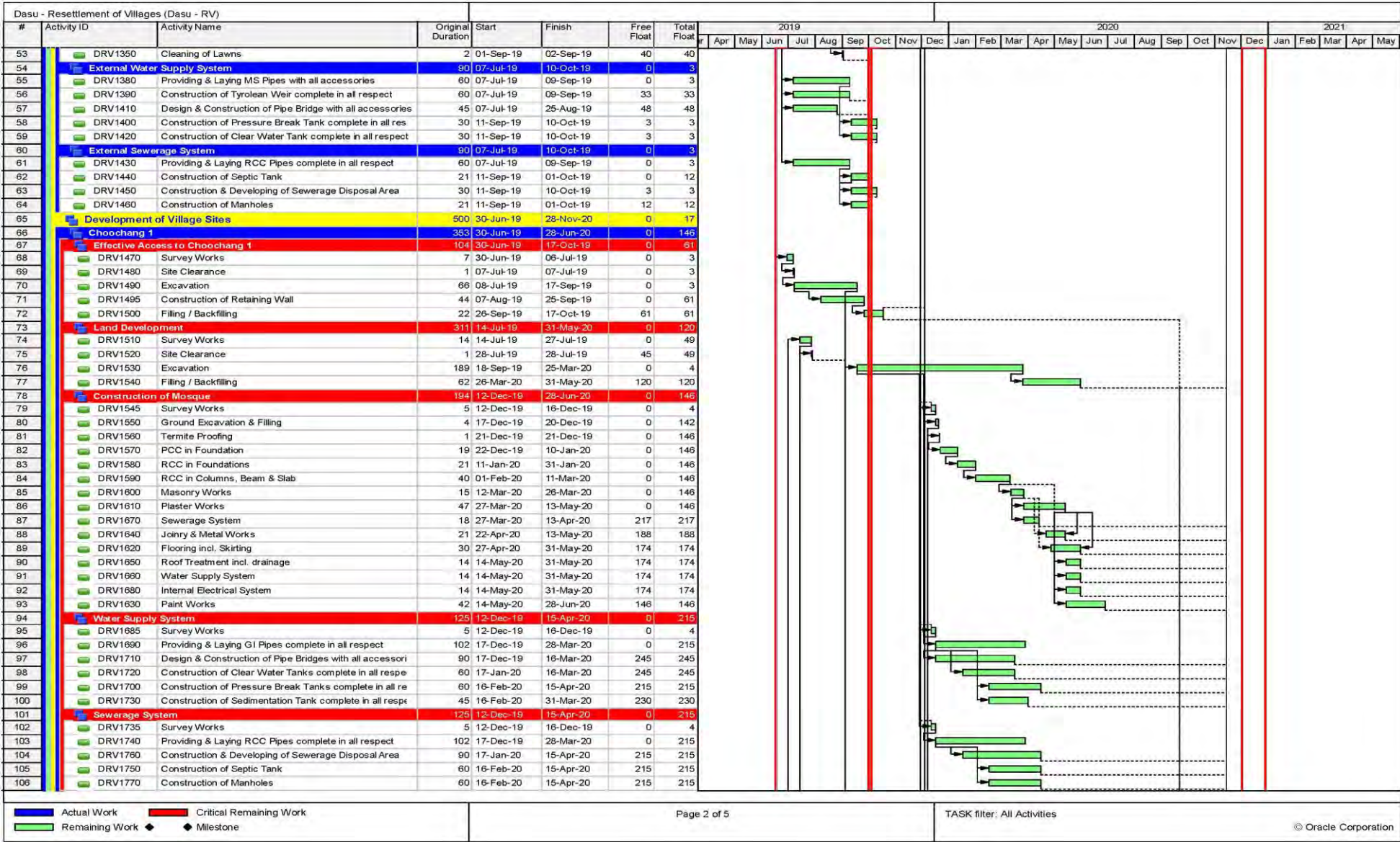


Figure 26: Gantt Chart of Dasu-RV (1 of 5)

**Figure 26 [2/5]**



**Gantt Chart of Dasu-RV (2 of 5)**









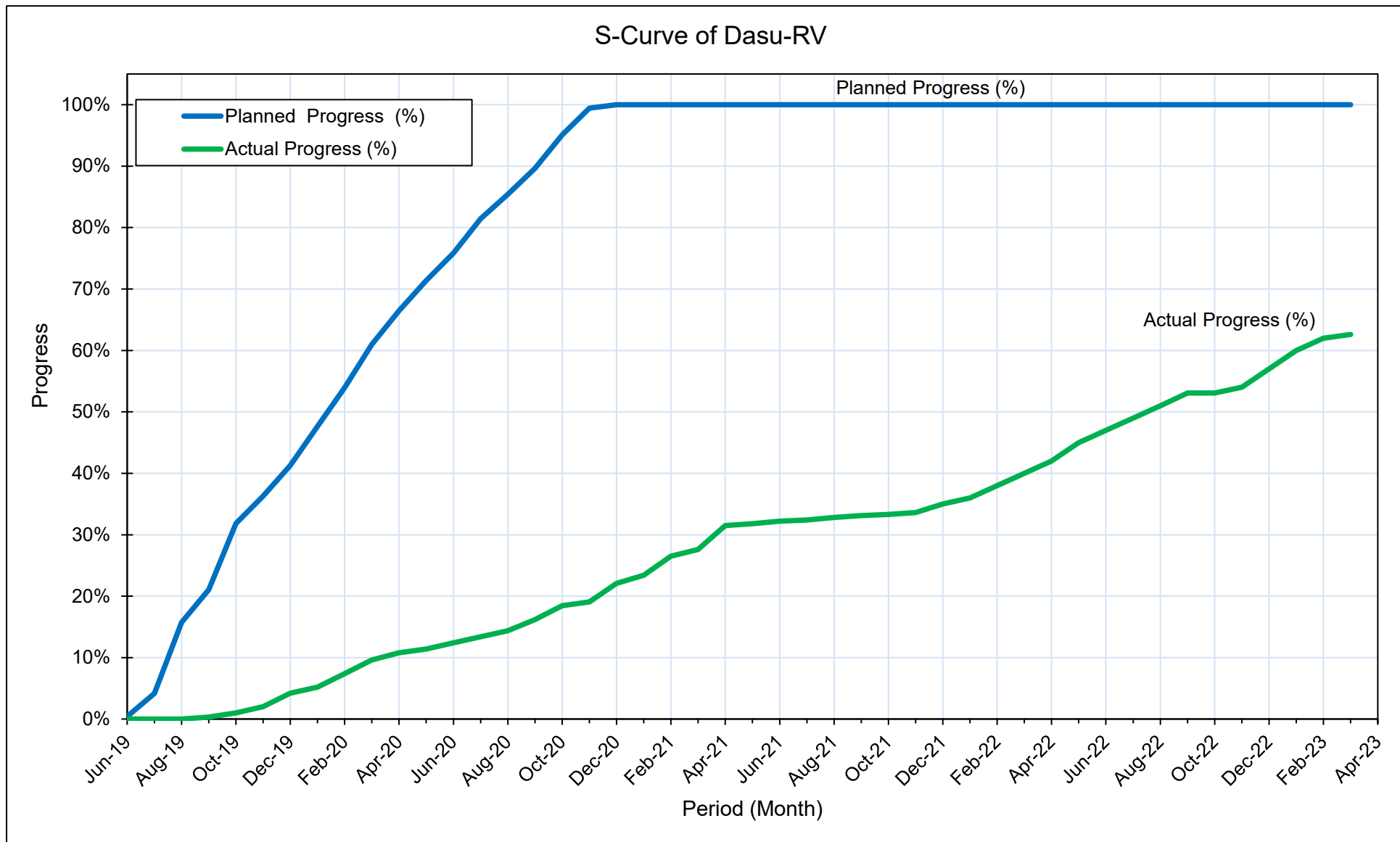


Figure 27: S-Curve for RV

Figure 28 [1/4]

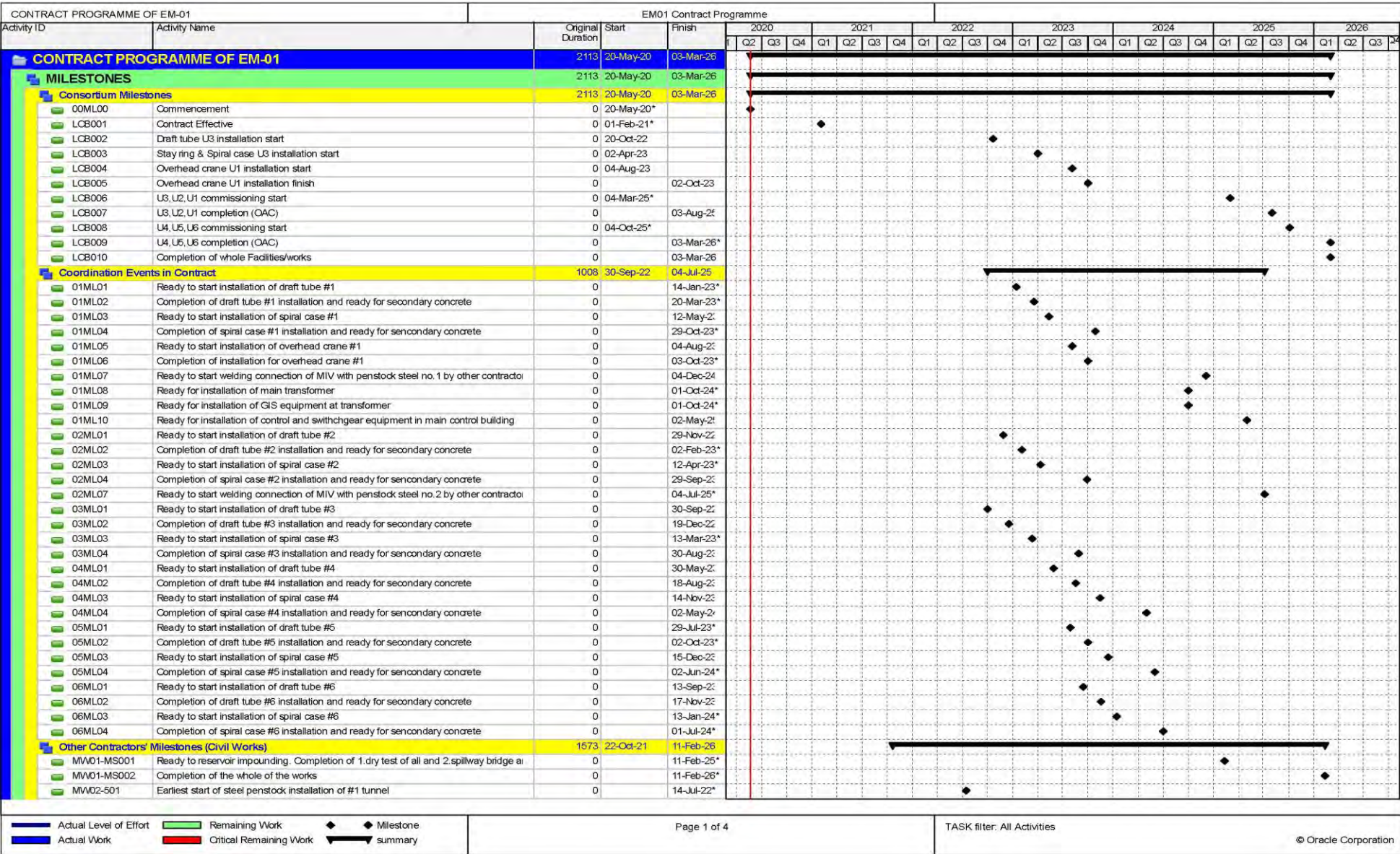
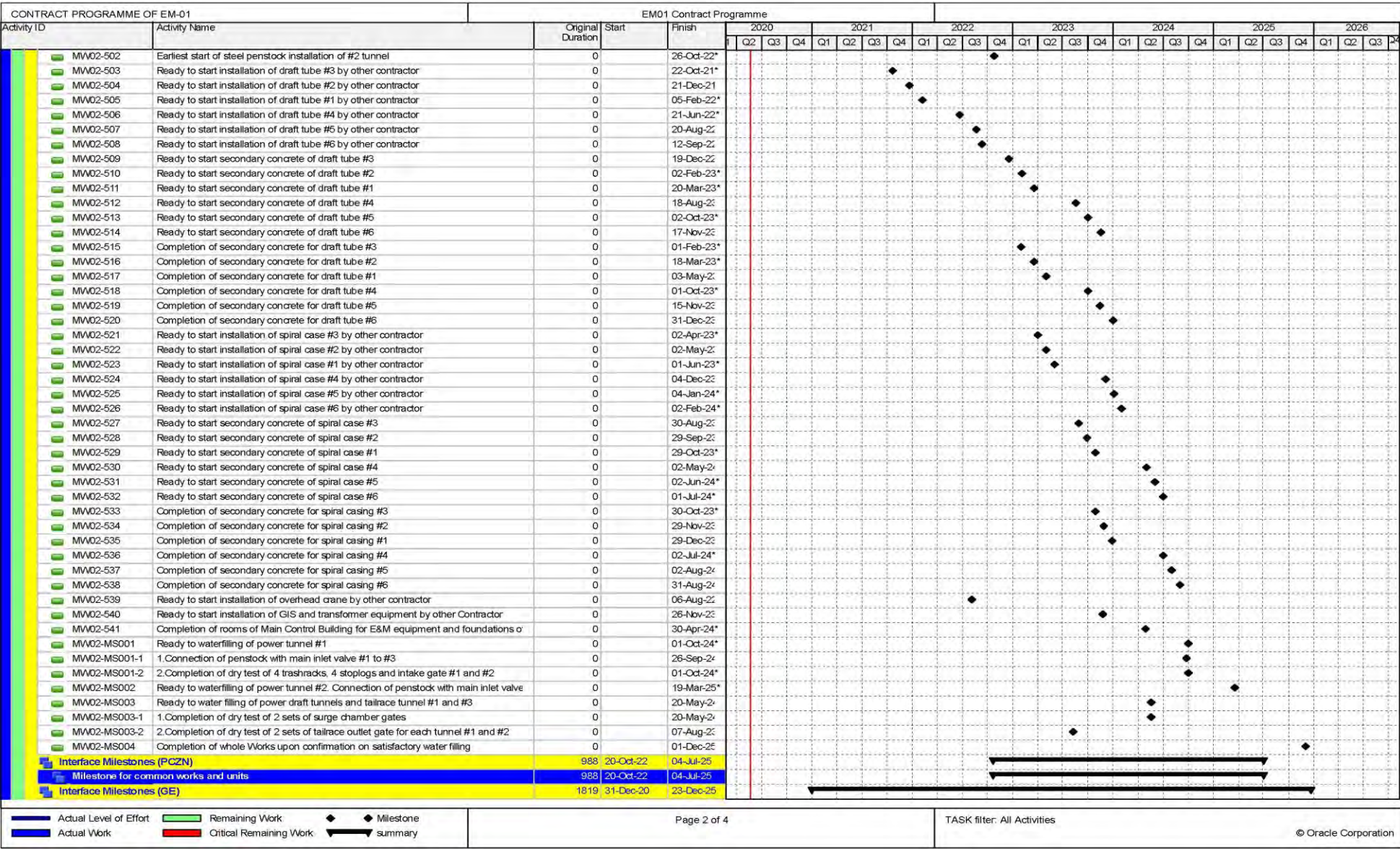


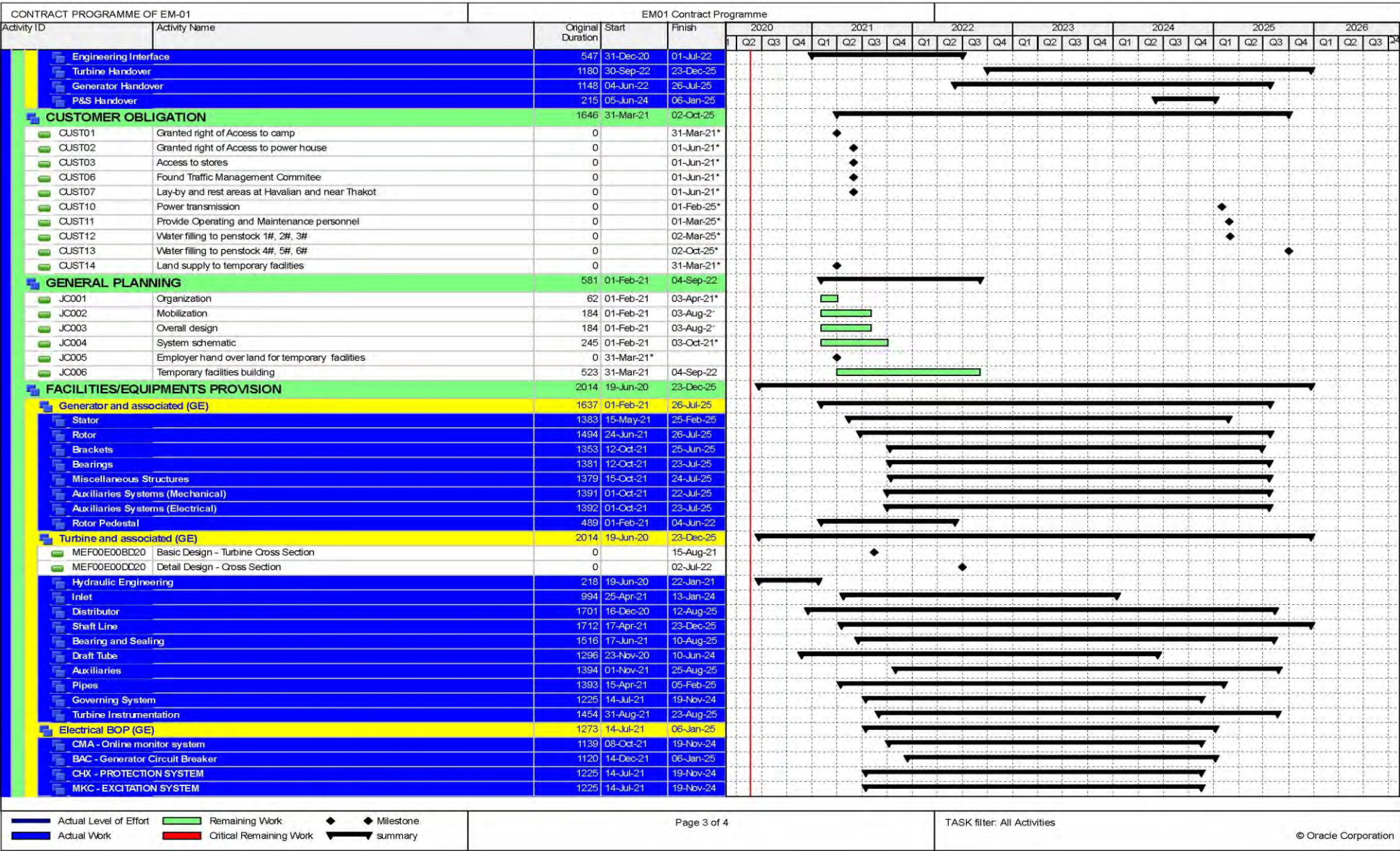
Figure 28: Gantt Chart of Dasu-EM-01 (1 of 4)

Figure 28 [2/4]



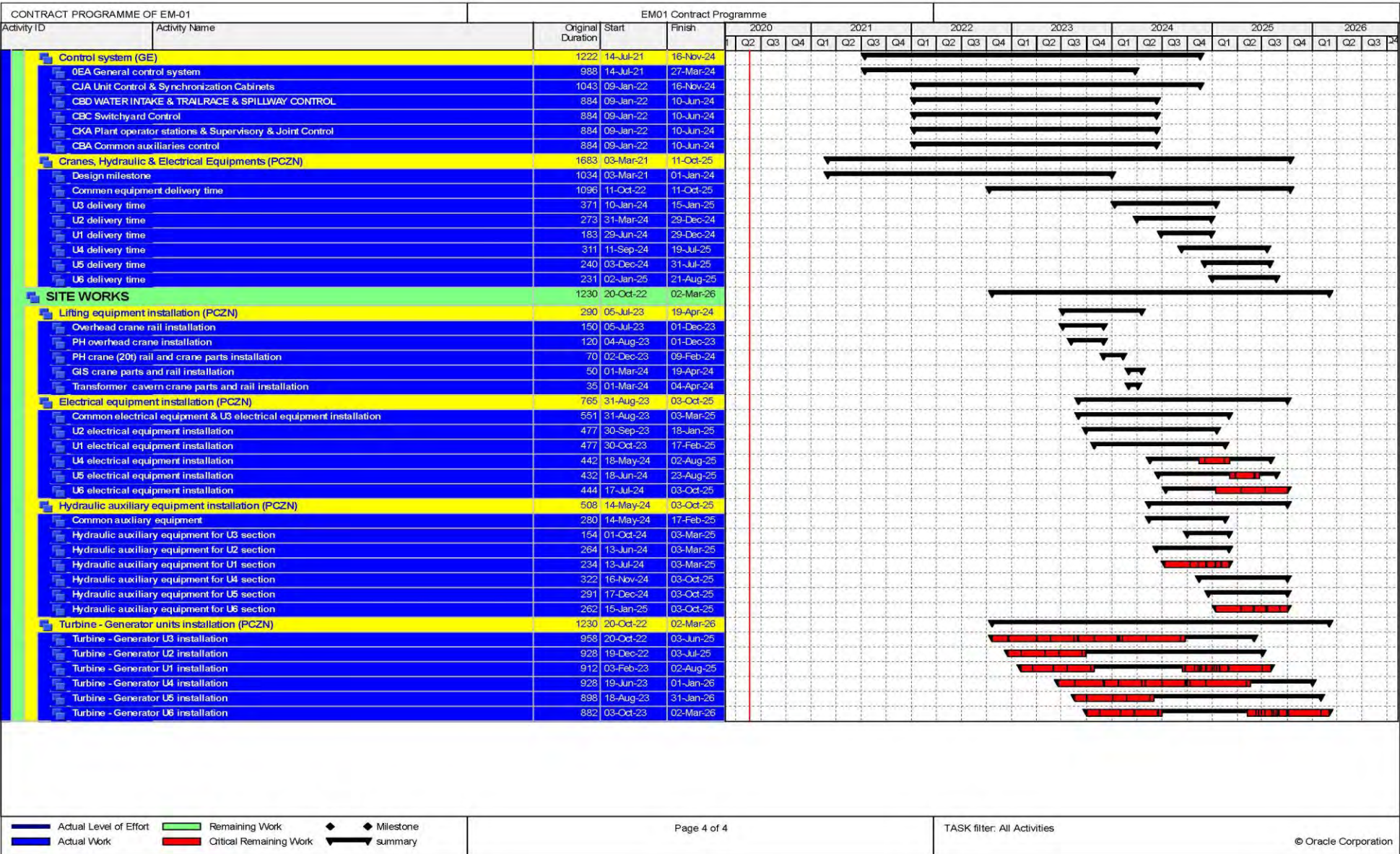
Gantt Chart of Dasu-EM-01 (2 of 4)

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)



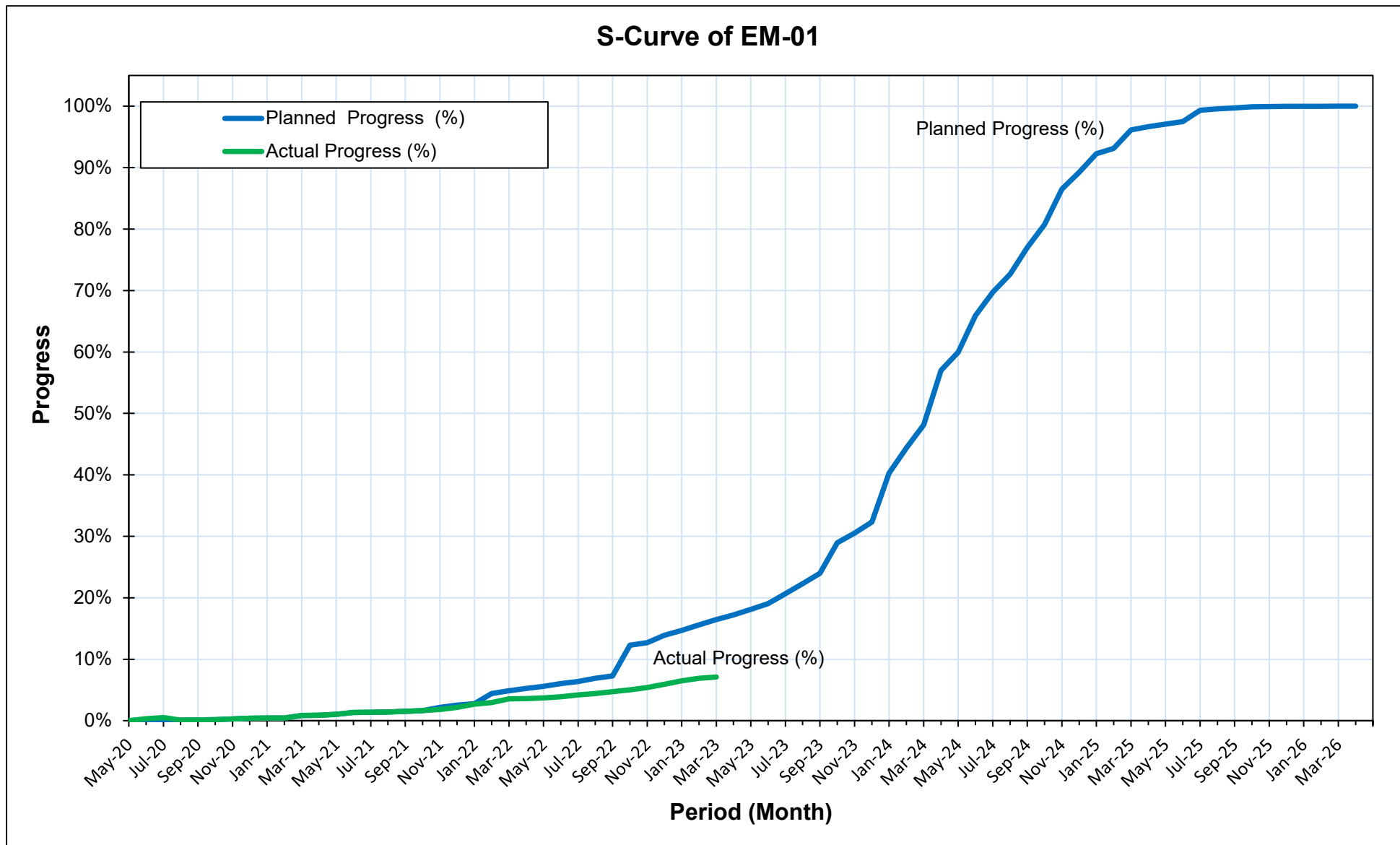


Figure 29: S-Curve for EM-01

# APPENDICES

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# **APPENDIX A**

## **Project Activities Pictorial**

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**Appendix A: Project Activities Pictorial**

**Photographs of OHS Environment Section**



**Monthly Spot Monitoring for MW-01 and MW-02 Contract Sites, Dated: 19th of March 2023**



**Sedimentation Tank Visit to Uchar Thoki Crushing Plant on 27th of March 2023**



**Joint Inspection of WAPDA and DHC on 07th of March 2023**





Joint Inspection of WAPDA and DHC on 28th of March 2023

**Photographs of OHS Section**



Monthly fire Fighting tender inspection conducted by DHC OHS

Monthly First aid inspection of CGGC first aid station conducted by DHC Medical Technicians



Emergency, first and CPR training conducted by Rescuer 1122 for CGGC staff



DHC OHS checking pre start hazard assessment at site



A view of joint inspection conducted with WAPDA, DHC and CGGC at KKH-02



A view of TBTs conducted at site by the Contractor



A view of OHS Training conducted by M/s CGGC



A view of World Bank meeting held at DHC office on OHS Issues



Mass TBT conducted by RAR-01 at Kaigha



Tunneling GAP Analysis conducted by DHC OHS and CCECC OHS



A view of emergency training arranged by the Contractor and conducted by RESCUE 1122



View of emergency drill conducted by the Contractor at MW-02



View of emergency drill conducted by the Contractor at MW-01



Training on tunnel gap analysis conducted by DHC OHS



Internal coordination meeting of DHC OHS and Main Works





A view of OHS training conducted by DHC OHS on RCC Dam and related OHS



Induction delivered to newly hired international staff of DHC



DHC OHS attending monthly OHS Committee meeting held at CGGC Barseen Camp



### Photographs of Social & Resettlement Section



Site visit to Seer Gayal regarding work stoppage issue at RAR



Meeting with Mr. Sher Ghazi regarding the issue of retaining wall at Kuz Chuchang on March 30, 2023



Meeting With AC DHPP after site visit with Line Departments for Preparation of report.



Meeting With AAC DHPP before Jirga in DC office



Meeting With Local Community of Shatial and Harban in WAPDA Office



Identification of Area at Masavi with Patwari



On-Ground Identification of area at GIS map form GIS representative



In-Ground Identification of Khasras at GIS map form GIS representative at Pani Bah Area.



Members Compensation Disbursement Committee distributing cheques at DC office



Members Compensation Disbursement Committee distributing cheques at DC office



WAPDA Accounts and DHC staff working on preparation of files and TRP cheques



Accounts Officer, WAPDA providing TRP payment cheque at WAPDA office



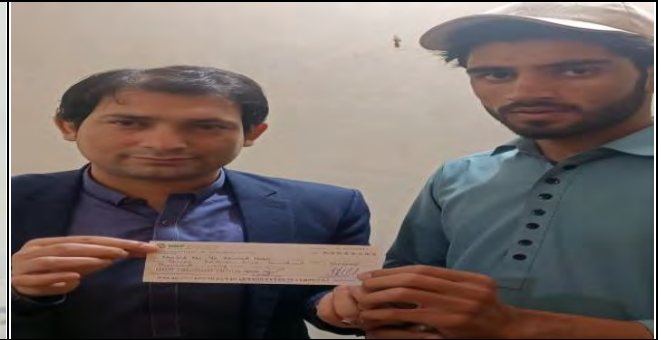
WAPDA Accounts and DHC staff working on preparation of files for resettlement allowances



Accounts Officer, WAPDA providing Resettlement Allowances payment cheque at WAPDA office



AHHs receiving ESMR payment cheques at DC Office, Upper Kohistan



AHHs receiving ESMR payment cheques at DC Office, Upper Kohistan



Signing of women Teacher for Skill Development Course Kuz Chuchang



Inauguration of the course by Religious Leaders in the presence of Gender Expert



Signing ceremony between DHPP with NCHD for launch of Literacy Course at Bari Rangoo for Women and Girls



Products made by the Learners are displayed



8-3-2023 Initial Consultation meeting with the community of BHU Doga Catchment area for its relocation.



15-3-2023 The house of meer Alam Khan at K1+637 at Komila bypass



Formal discussion and data gathering from the applicant Meer Alam Khan of komila Bypass.



15-3-2023 Meeting with the convener of Working Committee SMR and signing the previously rejected files for ESMR.



15-3-2023 S&R team at Somar Nullah counting and verifying the commercial structures in the all the project targeted areas



S&R team at looter where counting and verification of commercial structures in Summar Nullah on 15.03.2023



20-3-2023 Meeting with AAC (Revenue)/Assistant Director Mr. Sher regarding the water issue to varipous RVs.



Reviewing the ESMR files followed by the RSC committee 67th MoM was also drafted for onward submission to the next tier.



Distribution of Project allowances cheques by the S&R representatives at WAPDA office.



Distribution of Project Allowance on 22-03-2023 at WAPDA

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



Shotcrete for slope protection at Zero Point 3rd Bench RD=K1+800-1+850



Drilling for blast Logro-A RD=K9+426-9+430



Excavation works at Zero Point 3rd bench





Drilling for rock bolts at K4



Dugah tunnel K23+647 2nd layer shotcrete



Excavation at K28 access Road



Excavation at K34 Access Road



Excavation of catch point around K0+550 in progress



Stone Masonry B/Wall in progress around K0+800



Sub grade Preparation in progress around K1+800



Concrete for Causeway AT K0+950



Excavation at K12+960



Charging for Blast at K12+990 ~ K13+050



Roof treatment of Control House building



Frame cutting and fixing on Fence Wall



Base concrete of Breast Wall at access road



Erection of Gantry on terrace-1 of Grid Station

**Photographs of MW-01 & 02**



Starter Dam Cut Off Wall  
 Date:- 03/03/2023

Starter Dam Cut off Wall



Right Bank Bypass Tunnel Inlet  
 Date:- 05/03/2023

Right Bank Bypass Tunnel Inlet



Starter Dam



Slope Protection Cable Crane Foundation Right Bank



Right Bank Diversion Tunnel Outlet  
 Date:- 11/03/2023

Right Bank Diversion Tunnel Outlet



DTA Inlet  
 Date:- 11/03/2023

DTA Inlet



DTA Inlet Outside  
Date:- 15/03/2023

DTA Inlet Outside



Uchaar Crushing Plant  
Date:- 15/03/2023

Uchaar Crudhing Plant



DTA Inlet Outside  
Date:- 18/03/2023

DTA Inlet Outside



DTA Outlet  
Date:- 20/03/2023

DTA Outlet



RB Cable Crane Platform  
Date:- 30/03/2023

RB Cable Crane Platform



Uchaar Nala Temporary Causeway  
Date:30/03/2023

Uchaar Nullah Temporary Causeway



DTA Inlet Dyke Before Blasting  
Date:- 30/03/2023

DTA Inlet Before Blasting



Taraffic Diversion Tunnel Outlet  
Date:- 31/03/2023

Traffic Diversion Tunnel Outlet



PAT 02 Installation of steel arch



vivo X80 - ZEISS  
25-Mar-2023, 00:25

PH drilling and installation for PS tendon



PH Installation of ps tendons



PH PS tendon installation



PH WPT



Power house



RT-02 US installation of wire mesh



Switchyard excavation & mucking

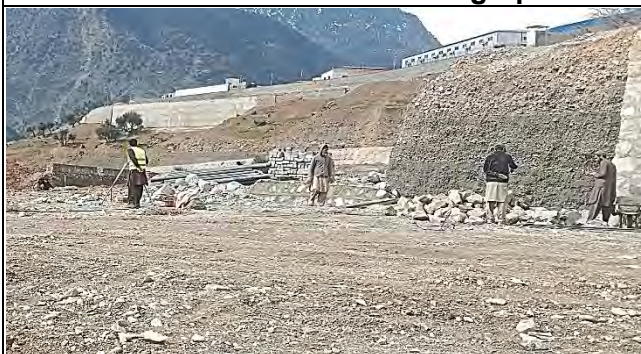


Switchyard Installation of wire mesh



TRT-01 US Drilling for blast

Photographs of Infrastructure Section



Stone masonry breast wall wall is in progress



Block masonry at mosque is in progress





Stone masonry of breast wall along P1 road



Block masonry for the boundary wall at Cat 2C



Cat 2 ramp concreting in progress



Painting at cat 2A in progress



Project Office building external view

# **APPENDIX B**

## **The Envisaged Man Months**

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Months (in the form of Bar Chart)

Table with columns: No, Name, Position, Firm, 2021, 2022, 2023, 2024, 2025, AM-4 (B) from Aug-14 to June-2025, Activities Performed up to Previous Month, Activities Performed This Month, Total Actual Utilized MMs, Balance MMs. The table lists 67 personnel (L12-L69) with their respective roles and monthly activity data across five years.









# **APPENDIX C**

## **Submission of Deliverables**

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**Appendix C: Submission of Deliverables**

<b>Date</b>	<b>Subject</b>
01.03.23	Contractors Submission of Commercial Proposal for Construction of Tunnels and Bridges
03.03.23	Explanatory Note on Engineers Recommendation for Termination of the Contract
06.03.23	Submission of Ten (10) Sets of Bidding Documents
10.03.23	Request for Obtaining NOC from NHA regarding KKH-01 Tunnel's CB Design and Specification.
10.03.23	Interim Payment Certificate No. 30
10.03.23	Interim Payment Certificate No# 05
13.03.23	MPR No.103 for the Month of February 2023 under Assignment-B
27.03.23	Detail Incident Investigation Report of Level-4 Fatal incident Happened at K54+180
27.03.23	Interim Payment Certificate No # 36- for the Month of Jan-2023
27.03.23	Interim Payment Certificate No # 36- for the Month of Jan-2023

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# **APPENDIX D**

## **List of Meetings**

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### Appendix D: List of Meetings

<b>Date</b>	<b>Meeting With</b>	<b>Place</b>	<b>Subject</b>
01.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting. MW-01 Held on 1st March 2023
01.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting Held on 1st March 2023. MW-02
07.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting. MW-01 held on 07th March 2023
07.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting held on 07th March 2023.MW-02
08.03.23	WAPDA DHC PCCC	Contractors Camps	Minutes of Weekly Progress Review Meeting TL-01
11.03.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Progress Review Meeting and Additional Works of RVs (KKH-01& RAR-01)
11.03.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly Environment Progress Review Meeting for KKH-01
14.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Meeting. MW-01 14th March 2023
14.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Meeting 14th March 2023. MW-02
20.03.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting KKH-01
20.03.23	DHC WAPDA CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting.MW-01& MW-02
20.03.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for RAR-01
20.03.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly Environment Progress Review Meeting for RAR-01
20.03.23	WAPDA DHC PCCC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for TL-01
20.03.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of QA-QC Meeting.MW-01 Dated 20.03.2023



<b>Date</b>	<b>Meeting With</b>	<b>Place</b>	<b>Subject</b>
20.03.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of QA-QC Meeting Dated 20.03.2023. MW-02
21.03.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for RAR-02
21.03.23	WAPDA DHC GE-PC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for EM-01
21.03.23	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for PCI-01R
21.03.23	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly Environmental Progress Review Meeting for PCI-01R.
21.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting.MW-01 Held on 21st March 2023
21.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting Held on 21st March 2023. MW-02
23.03.23	WAPDA DHC PCCC	DHC Meeting Room	Minutes of Monthly Environment Progress Review Meeting for TL-01
25.03.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for KKH-02
28.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting. MW-01 Held on 28th March 2023
28.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting Held on 28th March 2023. MW-02
30.03.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly Environment Progress Review Meeting for KKH-02
30.03.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly Environment Progress Review Meeting for MW-01 & 02.
31.03.23	WAPDA DHC GEPC	DHC Meeting Room	Minutes of Monthly Environment Progress Review Meeting for EM-01

# **APPENDIX E**

## **Correspondence**

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## Appendix E: Correspondence of Incoming and Outgoing Letters

### Incoming Letters

Sr. No	Receiving Date	Letter No.	Subject	Remarks
<b>1. From WAPDA</b>				
<b>1.1. General</b>				
<b>Lahore Office</b>				
1.	01.03.23	GM/PD/Dasu HPP/Dir(C)/CS/866-71	MoM Held on 21.02.23 Chief Auditor office WAPDA Discuss Audit Report Payment to DHC Period Sep 2011 to 2016	
2.	02.03.23	GM/PD Dasu HPP/905-08	Release Payments Remuneration Inv. 101 Dec.22 & Reimbursable Inv.099 Oct.22	
3.	02.03.23	GM/PD/Dasu HPP/Dir(C)/DHC (Audit)/911-15	Reminder-1 Audit Payments made to DHC for Period May 2020 to Sep 2022	
4.	14.03.23	GM/PD/Dasu HPP/Dir(C)/CS /1090-95	Approval of Naveed Iqbal, against Position Sr Quantity Engineer (L130)	
5.	14.03.23	GM/PD/Dasu HPP/Dir(C)/CS/ 1096-1101	Approval of Sultan Zeb, Construction Planner (LA22) to Sr Construction Planner NP27	
6.	14.03.23	GM/PD/Dasu HPP/Dir(C)/CS/1104 -10	Request for Promotion of DHC Staff	
7.	17.03.23	GM/PD/Dasu HPP/Dir(C)/CS/1202 -07	MoM held 21.02.23 Chief Auditor's Office Discuss Audit Report Sep. 2011-2016 Para No.35	
8.	17.03.23	GM/PD/Dasu HPP/Acct/1377-80	Release Payments Remuneration Inv 102 Reimbursable Uchar Nullah	
9.	29.03.23	GM/PD/Dasu HPP/Dir(C)/CS/1400- 04	Approved Consent of Inter Adjustment of MMS for Halcrow OHS Staff	
10.	30.03.23	GM/PD/Dasu HPP/Dir(C)/CS/1405 -09	Approved Additional MMs for Muhammad Hamid Ch Sr GIS Professional L89	
11.	30.03.23	GM/PD/Dasu HPP/Dir(C)/CS/1410 -14	Approved Conversion Position Ghulam Nabi Jr Livelihood to Jr Resettlement Professional L112	
12.	30.03.23	GM/PD/Dasu HPP/Dir(C)/CS/1424 -28	Request for Approval Escalation regarding OHS Staff Hired by Halcrow DHP-14	
13.	30.03.23	GM/PD/Dasu HPP/Dir(C)/CS/1434 -39	Approval of Shafiq Ahmad Jr M&E Professional (S&R) NP13 to Sr Migration Management L129 Repl Irfan Janjua	
<b>Dasu Office</b>				
14.	01.03.23	GM/PD/Dasu HPP/Dir(C)/CS/878-83	Approval of Mr. Michiya Nagura Traffic Expert (KNP-26)	
15.	02.03.23	GM/PD/DHPP/Security/S-14/236-37	Security Meeting at DHPP dated 01.03.23	
16.	04.03.23	GM/PD/DHPP/SS/Env/G-10/85-87	Provision of Report Regarding Explosive Material by all Chinese Companies Having EL-03 License Working in DHPP	
17.	02.03.23	GM/PD/DHPP/Security/228-33	Verification Data of Pakistani Labours	
18.	07.03.23	GM/PD-DHPP/SS/Env/E-38/457-59	Implementation of Terrestrial & Aquatic Ecology as Part of Environmental Management Action Plan	
19.	08.03.23	GM/PD/DHPP/Security/S-04/253-57	Outstation Movement of Expatriates	
20.	08.03.23	GM/PD/DHPP/Security/S-04/248-52	Outstation Movement of Expatriates	
21.	09.03.23	GM/PD/DHPP/Security/S-06/258-59	Advisory Notice	
22.	09.03.23	GM/PD/DHPP/Security/S-04/260-64	Outstation Movement of Expatriates	
23.	13.03.23	GM/PD/DHPP/ss/s&r/e-28/454-55	Registration of Workers with EOBI	
24.	14.03.23	GM/PD/DHPP/Security/S-10/278	Occurrence -Incident Report	
25.	14.03.23	GM/PD/DHPP/Security/S-46/276	Category Seating Capacity of Bullet Proof Vehicles (Buses)	
26.	15.03.23	GM/PD/DHPP/Security/S-04/295-99	Outstation Movement of Expatriates	
27.	16.03.23	GM/PD/DHPP/Security/S-06/300	Security Administrative Issues	
28.	16.03.23	GM/PD/DHPP/Security/S-04/302-06	Outstation Movement of Expatriates	
29.	16.03.23	GM/PD/DHPP/Security/307	Regularization of the Movement of Chinese Nationals	
30.	17.03.23	GM/PD/DHPP/Security/310	Verification of Data of Pakistani Labors	
31.	17.03.23	GM/PD/Dasu HPP/Dir(C)/CS/12 02-07	Response to Para No. 35 Audit Report on the Payment to Consultancy Services for DHP	
32.	20.03.23	GM/PD/DHPP/SecurityS-04//316-20	Outstation Movement of Expatriates	
33.	21.03.23	GM/PD/DHPP/Security/S-44/321-23	Coordination Meeting on Security Aspects	
34.	21.03.23	GM/PD/DHPP/Security/S-04/324-29	Outstation Movement of Expatriates Special Case	
35.	21.03.23	GM/PD/DHPP/Security/S-44/337-40	Security Coordination Meeting with Contractors	
36.	21.03.23	PD/DHPP/SS/TMP/Env/E-37/104-106	Request for Performance Review of Newly Hired Traffic Engineer at Dasu Hydropower Consultant	
37.	22.03.23	PD/DHPP/SS/TMP/Env/E-37/107-109	Establishment of Lay - By Area at Kuzabanda and Payment Modalities for Such Establishment	
38.	22.03.23	GM/PD/DHPP/Security/S-07/345	Violation of SOPs by Foreigners	
39.	22.03.23	GM/PD/DHPP/Security/S-04/346-50	Outstation Movement of Expatriates	
40.	27.03.23	GM/PD/Dasu HPP/Security/266-68	Schedule of Outstation Movement of Expatriates for the Month of April,2023	
41.	27.03.23	GM/PD/DHPP/Security/S-04/369-73	Outstation Movement of Expatriates	
42.	27.03.23	GM/PD/DHPP/Security/S-44/374-82	Coordination Meeting on Security Aspects with Consultant - Contractors at DHPP , Dated 22 March , 2023	
43.	27.03.23	GM/PD/DHPP/Env/G-12/128-130	Request for Water Quality Testing at WAPDA Colony Choochang	
44.	28.03.23	GM/PD/DHPP/Security/S-06/384-85	Site Security Permission and Record Keeping	
45.	28.03.23	GM/PD/DHPP/Security/S-06/1383	Security Administrative Issues	
46.	29.03.23	GM/PD/DHPP/Security/S-4/387	Requirement of Security -Administrative Items	
47.	29.03.23	GM/PD/DHPP/Security/S-6/388-89	Request for Provision for Company Wise Updated List of Foreigners	
48.	21.03.23	GM/PD/DHPP/Security/S-6/341-42	Security -Administrative Issues Related to Camps	
49.	30.03.23	GM/PD/DHPP/Security/S-6/405-09	Outstation Movement of Expatriates	

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

**Appendix E [2/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
50.	22.03.23	GM/PD/DHPP/(ADMN)/2022/A-53/2778-82	Office Order	
51.	31.03.23	GM/PD/DHPP/Security/S-06/410-11	Renovation-Preparation of Building for Security Persons	
52.	31.03.23	GM/PD/DHPP/Security/S-04/412-16	Outstation Movement of Expatriates	
53.	31.03.23	GM/PD/DHPP/Contracts/Audit/3098-3102	Audit Report 2022-23 Revised Reply to Audit Observation	
<b>1.2. Dasu-RAR-01</b>				
<b>Dasu Office</b>				
54.	04.03.23	GM/PD/DHPP/RAR-01/ DHC/2033-35	Interim Payment Certificates No.34A and 34B	
55.	07.03.23	GM/PD/Dasu HPP/RAR-01/ 2023/2188-92	Remaining Punch List Item on RAR-01 )	
56.	07.03.23	GM/PD/DHPP/RAR-01/ 2023/2107-10	Meeting Regarding Deployment of Resources for Komila bypass held on March 3, 2023	
57.	10.03.23	GM/PD/DHPP/RAR-01/ 2023/2297-2300	Application from Mr. MEER ALAM S-O Akhooon Shah R-O Komila Tehsil Seo District Kohistan	
58.	29.03.23	GM/PD/DHPP/RAR-01/DHC/2978-80	RAR-01-The Engineer's Determination of Contractor's Interim Cost Claim (Quantification ) for on Site Management Overhead Cost	
<b>1.3. Dasu-RAR-02</b>				
<b>Dasu-Office</b>				
59.	04.03.23	GM/PD/DHPP/Contracts/RAR-02/DB/116E/2029-32	Selection of Sole Member for the Dispute Board	
60.	14.03.23	GM/PD/DHPP/Contracts/RAR-02/2447-52	Extension of Advance Payment Guarantee	
61.	21.03.23	GM/PD/DHPP/Contracts/RAR-02/67/2713-18	Request for Extension of Advance Payment Guarantee	
62.	21.03.23	GM/PD/DHPP/RAR-02//2737-40	Forced Stoppage of Construction Work at SEER GAYAL (	
63.	29.03.23	GM/PD/Dasu HPP/RAR-02/2023/2998-101	Providing Plan & Profile Drawing -Data of Right Approach Road (RAR)	
64.	30.03.23	GM/PD/Dasu HPP/RAR-02/2023/3019-23	Application from Head Teacher GPS Gayal Seer	
<b>1.4. Dasu-KKH-01</b>				
<b>Dasu Office</b>				
65.	01.03.23	GM/PD/Dasu HPP/KKH-01/890-93	Request for Issuance of Visa for Personnel of MS CCECC Working on Relocation of KKH-01	
66.	01.03.23	GM/PD/DHPP/KKH-01/1879-86	Enhancement of Security of Expatriates	
67.	02.03.23	GM/PD/DHPP/KKH-01/1891-94	Application from Local of Kuz Chuchang	
68.	07.03.23	GM/PD/DHPP/KKH-01/2023/2103-06	Meeting Regarding Deployment of Resources on March 3, 2023	
69.	13.03.23	GM/PD/DHPP/KKH-01/2023/ 2412-15	Damages to SCO Assets During Construction of Relocated KKH (	
70.	13.03.23	GM/PD/CE(S&D)/DHPP/KKH-01/11/ 2407-11	Complaint Against Utilization of Un-Acquired Land	
71.	14.03.23	GM/PD/DHPP/11/KKH-01/ 2453-56	Application from Local of Kuz Chuchang Mr. Abdul Rehman	
72.	17.03.23	GM/PD/DHPP/Security/S-06/308	Required Security Personnel for New Chinese Uchar Camp at DHPP	
73.	21.03.23	GM/PD/CE(S&D)/DHPP/KKH-01/01/ 2695-99	Extraction of Sand by Locals along KKH-01 at Khushee Site (K7-K8)	
74.	21.03.23	GM/PD/DHPP/11/KKH-01/01/ 2740-44	Request for Hydraulic Design Data of Basha Dam	
<b>1.5. Dasu-KKH-02</b>				
<b>Dasu Office</b>				
75.	01.03.23	GM/PD/DHPP/Contracts/KKH-02/51/1846-50	Request for Issuance of NOC for the Construction of New Building of Explosive Magazine at Looter Dasu	
76.	02.03.23	GM/PD/CE(S&D)/DHPP/KKH-02/69/1912-14	Drill Locations and Quantities of KKH-02 Tunnels and Potential Slides	
77.	02.03.23	GM/PD/CE(S&D)/DHPP/KKH-02/29/1944-47	Delay in Land Hand Over	
78.	02.03.23	GM/PD/DHPP/KKH-01/5/1909-11	Damages to SCO Assets During Construction of Relocated KKH	
79.	03.03.23	GM/PD/DHPP/Contracts/KKH-02/DB/116E/2021-24	Selection of Sole Member for the Dispute Board	
80.	07.03.23	GM/PD/DHPP/KKH-01/11/2184-87	Submission of Borehole Logs	
81.	14.03.23	GM/PD/Dasu HPP/DD(T) KKH-02/1111-16	Letter of Recommendation for Renewal of Temporary Explosives License	
82.	16.03.23	GM/PD/Dasu HPP/DD(T) KKH-02/1175-80	Letter of Recommendation for Renewal of Temporary Explosives License	
83.	17.03.23	GM/PD/DHPP/Security/309	Increase of Security Forces on Site	
84.	20.03.23	GM/PD/CE(S&D)/DHPP/KKH-01/33/ 2672-76	Implementation of Traffic Closure for KKH-02 Along The Existing KKH and Installation of Traffic Closure Sign Boards	
85.	24.03.23	GM/PD/DHPP/Env/37/120-127	Road Closure Schedule for KKH-02 Contact Between RD 28 to RD 46	
86.	24.03.23	GM/PD/DHPP/KKH-02/5/2931-34	Updated Design of KKH-01 and KKH-02	
87.	30.03.23	GM/PD/CE(S&D)/DHPP/KKH-01/15/3050-57	Stoppage of Geological Survey -Investigation Works in the Acquired Land of KKH-02 by the Locals	
88.	30.03.23	PD/DHPP/TMP/Env/E-37/135-142	Road Closure Schedule for KKH-02 Contract RD 28 To RD 46	
<b>1.6. Dasu-TL-01</b>				
<b>Dasu Office</b>				
89.	01.03.23	GM/PD/Dasu HPP/TL-01/17 73-74	Row Issues at Lower Kohistan and Palas Area	
90.	03.03.23	GM/PD/Dasu HPP/TL-01/46/ 199 3-97	Extension of Advance Payment Guarantee	
91.	07.03.23	GM/PD/Dasu HPP/TL-05/22 12-14	Nomination of Representative for Checking C2 Power House Neelum Jhelum	
92.	10.03.23	GM/PD/Dasu HPP/TL-05/ 22 45-47	Absence of Contractors Key Representatives from Site	
93.	10.03.23	GM/PD/Dasu HPP/TL-05/22 42-44	RoW Issues at Lower Kohistan and Palas Area	
94.	21.03.23	GM/PD/Dasu HPP/TL-01/ 46/ 2719 -24	Request for Extension of Advance Payment Guarantee	
<b>1.7. Dasu-MW-01</b>				
<b>Dasu-Office</b>				
95.	01.03.23	GM/PD/DHPP/Contracts/MW-01/HFO/81D/1824-27	Preparation of Bidding Documents for Shifting of HFO Plants from Neelum Jhelum Project to DHPP	
96.	01.03.23	GM/PD/DHPP/Contracts/MW-01/81-C/1834-36	Provision of Power Supply	

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

**Appendix E [3/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
97.	01.03.23	GM/PD/DHPP/Contracts/MW-01/813/1821-23	Draft Minutes of Meeting Held on 31 January 2023 On Contractors Claim Prolongation Cost	
98.	01.03.23	GM/PD/DHPP/MW-01/81/1871-78	Enhancement of Security of Expatriates	
99.	01.03.23	GM/PD/DHPP/Contracts/MW-01/81/1887-90	Recommendation for Custom Clearance - The Equipment of Natural Pozzolan Factory	
100.	01.03.23	GM/PD/DHPP/S&D/MW-01/1836-37	Application Submitted by Mr Sher Bahder Driver	
101.	03.03.23	GM/PD/DHPP/Contracts/MW-01/81/2005-07	Monitoring the Progress of Starter Dam and Cut off Wall Construction	
102.	03.03.23	GM/PD/DHPP/Contracts/MW-01/81/2025-28	Reminder - Draft Minutes of Meeting with Ms CGGC Held on February 09, 2023	
103.	04.03.23	GM/PD/DHPP/Contracts/MW-01/87/2041-44	Reminder - Extension of Insurance Policies due to the Extension of Time	
104.	06.03.23	PD/DHPP/Contracts/MW-01/116/81C/2076-80	Questions for Dispute Boards Non-Bidding Opinion Under SC 20.2 - Crushing and Batching Plant	
105.	07.03.23	PD/DHPP/Contracts/MW-01/ 83/2221-23	Claim No.1 - Engineers Principle Response to Head Office Overheads	
106.	09.03.23	PD/DHPP/Contracts/MW-01/ /2238-41	Requirement of High Resolution Satellite Imageries and Digital Elevation Model (DEM)	
107.	11.03.23	PD/DHPP/Contracts/MW-01/ 83/2352-55	Engineers Response on Stoppage of Works due to Blast Incident on July 14, 2021	
108.	13.03.23	PD/DHPP/Contracts/MW-01/ 83/1059-62	Request for Issuance of Visa for Personnel of M-S China Gezhouba Group Co	
109.	15.03.23	PD/DHPP/Contracts/MW-01/ 81/2484-86	Enhancement of Security of Expatriates- Armoured Vehicles	
110.	17.03.23	PD/DHPP/S&D/MW-01/ /2631-32	Completion of Works for Generators at Uchar (Thoki ) Crushing and Batching Plant	
111.	17.03.23	PD/DHPP/S&D/MW-01/ /2634-36	Additional Cross Section Survey for Reservoir Sedimentation Study (Dasu HPP 2022) Data Report (ISRIP-331 )	
112.	20.03.23	PD/DHPP/S&D/MW-01/MW-02/ /2640-43	MW-01 & MW-02 Land Handover	
113.	20.03.23	PD/DHPP/S&D/MW-01/ /2656-58	Demolish of Houses at Siglo Area	
114.	21.03.23	PD/DHPP/Contracts/MW-01/ /2702-4	Attested Translation of Documents	
115.	21.03.23	PD/DHPP/MW-01/ 81/2731-34	Assistance for Operation of the SCO Signal Tower in Kass Camp	
116.	30.03.23	PD/DHPP/Contracts/MW-01/83/3015-18	Additional Cost Claim Due to Change in Legislation Claim No.C-09	
117.	31.03.23	GM/PD/DHPP/S&D/MW-01/3080-82	Request to Provide Design Parameters of Dasu HPP Diversion Scheme	
<b>1.8. Dasu-MW-02</b>				
<b>Dasu-Office</b>				
118.	01.03.23	GM/PD/DHPP/MW-02/91/1863-70	Enhancement of Security of Expatriates	
119.	04.03.23	GM/PD/DHPP/Contracts/MW-02/97/2045-48	Reminder - Extension of Insurance Policies due to the Extension of Time	
120.	07.03.23	PD/DHPP/Contracts/MW-02/ 93/2224-26	Claim No. 1 - Engineers Principle Response to Head office Overheads	
121.	13.03.23	GM/PD/Dasu HPP/MW-02/ 63/ 1065-69	Recommendation Letter for Issuance of NOC for Renewal of Temporary Storage of Explosive Magazine License EL-03	
122.	15.03.23	GM/PD/Dasu HPP/MW-02/91/ 2487-90	Enhancement of Security of Expatriates - Armoured Vehicles	
123.	16.03.23	GM/PD/Dasu HPP/DD(T)/MW-02/ 1181-85	Letter of Recommendation for Renewal of Temporary Explosives License	
124.	24.03.23	GM/PD/DHPP/Contracts/MW-02/91/2809-15	Employers Assistance and Support in Custom Clearance	
125.	30.03.23	PD/DHPP/Contracts/MW-02/93/3011-14	Additional Cost Claim Due to Change in Legislation Claim No.C-07	
<b>1.9. Dasu-LBRV-11</b>				
<b>Dasu-Office</b>				
126	16.03.23	PD/DHPP/Contracts/LBRV-11 & LBRV-12/71&72/2570-73	Repayment of Mobilization Advance	
<b>1.10. Dasu-PCI-01R</b>				
<b>Dasu office</b>				
127.	02.03.23	GM/PD/DHPP/Contracts/PCI-01/DB/116D/1961-64	Reminder - Establishment of Dispute Board	
128.	03.03.23	GM/PD/DHPP/Contracts/PCI-01R/37/1971-73	Extension of Advance Payment Guarantee	
129.	14.03.23	GM/PD/DHPP/PCI-01R/2466-67	Cancellation of Fiber Glass Shade Provision Over Doors at Residence Category -01 & 02	
130.	14.03.23	GM/PD/DHPP/PCI-01R/2468-69	Preparation of Bidding Documents for Procurement of Furniture for WAPDA Project Office , Colony	
131.	21.03.23	GM/PD/DHPP/Contracts/PCI-01R/BANK/2725-30	Request for Extension of Advance Payment Guarantee	
132.	30.03.23	GM/PD/Dasu HPP/PCI-01R/3036-41	Operation and Maintenance of Basic Health Unit (BHU)	
133.	30.03.23	GM/PD/DHPP/Contracts/PCI-01R/37/3003-10	Encashment of Advance Payment Security (Demand Guarantee )	
134.	31.03.23	GM/PD/DHPP/Contracts/PCI-01R/33/3083-86	Revised Contract Programme for 2nd Extension of Time (EOT-2 )	
<b>1.11. Dasu-PCI-02</b>				
<b>Dasu office</b>				
135.	04.03.23	GM/PD/DHPP/Contracts/PCI-02/131/2049-52	Revised Draft Bidding Documents for PCI-02	
136.	16.03.23	GM/PD/DHPP/PCI-02/2567-69	Comments Revised Bidding Documents	
137.	20.03.23	GM/PD/DHPP/PCI-03/ 131/ 2667-71	Construction of Project Colony and Infrastructure Evaluation Report on Pre - Qualification of Applicants	
138.	24.03.23	GM/PD/DHPP/Contracts/PCI-02/131/2922-24	Clarification NO.02	
139.	24.03.23	GM/PD/DHPP/Contracts/PCI-02/131/2919-21	Clarification No.02	
140.	24.03.23	GM/PD/DHPP/Contracts/PCI-02/131/2816-18	Clarification No.02	
<b>1.12. Dasu-EM-01</b>				
<b>Dasu-Office</b>				

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**Appendix E [4/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
141.	01.03.23	GM/PD/DHPP/Contracts/EM-01/DB/116F/1802-05	Reminder- Establishment of Dispute Board	
142.	11.03.23	GM/PD/DHPP/EM-01/ 107A/2023/2356-60	Request to Release Delivery Order	
143.	24.03.23	GM/PD/Dasu HPP/EM-18/2803-04	Application for Permits in WAPDA Ghai Barotha Warehouse for 1" Shipment	
<b>1.13. Dasu-RV</b>				
<b>Dasu-Office</b>				
144.	16.03.23	GM/PD/DHPP/Contracts/Dasu0RV/GEN/74/2593-98	Request for Extension of Advance Payment Guarantee	
<b>1.14. Dasu-S&amp;R</b>				
<b>Dasu-Office</b>				
145.	03.03.23	GM/PD/DHPP/LA/S&R/W-18/314-16	Acquisition 17% of Remaining Land in Kass Disposal Area	
146.	06.03.23	GM/PD/DHPP/LA-S&R/W-149/320-22	Request for Review of GIS Report	
147.	06.03.23	PD/DHPP/LA-S&R/W-35/317-19	Applications Submitted by Different Land Owners tabulated	
148.	07.03.23	GM/PD/DHPP/S&R/E-66/456	Application Regarding Grievances of Muttahida Kohistan Jirga	
149.	07.03.23	GM/PD/DHPP/S&R/E-66/451	Application Regarding Self-Managed Relocation Mr.Saiqool	
150.	07.03.23	GM/PD/DHPP/S&R/E-66/452	Application Regarding Self-Managed Relocation Mr. Abdul Hakeem	
151.	07.03.23	GM/PD/DHPP/S&R/E-66/455	Application Regarding Self-Managed Relocation (Shah Khalid, Fazal Mybeen)	
152.	07.03.23	GM/PD/DHPP/S&R/E-16/ 3193-97	Office Order	
153.	09.03.23	GM/PD/DHPP/S&R/E-1/446-67	Application Regarding Traffic Problem on DC Colony Road Near DHC Office	
154.	13.03.23	GM/PD/DHPP/S&R/E-28/450-53	Provision of Basic Facilities for Workers - Labors at Camp Sites	
155.	20.03.23	GM/PD/DHPP/S&R/E-66/470	Application Regarding Self - Managed Relocation (SMR )	
156.	21.03.23	PD-DHPP/S&R/E-29/489-90	Handing Taking of Chuchang Resettlement Site -01 (Additional Block )	
157.	21.03.23	PD-DHPP/S&R/E-66/491-92	Approval of 21 Affected Households Missing in Original Household List	
158.	21.03.23	PD/DHPP/S&R/DG/G7CH/E-18/2023/497	Request to Authorize Provincial Health Services Academy (PHSA) to Entertain Batch	
159.	22.03.23	PD/DHPP/S&R/DG/G&CH/E-18/2023	Request to Authorize Provincial Health Services Academy (PHSA) to Entertain Batch	
160.	22.03.23	PD/DHPP/DG (SS)/2023/E-66/499-500	Application Regarding SMR Package	
161.	27.03.23	GM/PD/DHPP/S&R/E-66/516	Comments on Application Regarding Self -Managed Relocation (SMR)	
162.	28.03.23	GM/PD/DHPP/S&R/E-66/533	Application Regarding Self-Managed Relocation (SMR)	
163.	28.03.23	GM/PD/DHPP/S&R/E-66/513	Application Regarding Reservation of Local officer Colony Resettlement -1	
164.	28.03.23	GM/PD/DHPP/S&R/E-66/532	Comments on Application Regarding Self-Managed Relocation (SMR)	
165.	29.03.23	GM-PD-DHPP/S&R/E-38/535	Application Regarding Priority in Employment	
166.	29.03.23	GM-PD-DHPP/S&R/E-38/536	Application Mr.Ijaz ul Haq, Resident Siglo Sub Division Seo	
167.	29.03.23	GM-PD-DHPP/S&R/E-38/537	Application Regarding Self -Manged Relocation (SMR)	
168.	31.03.23	GM-PD-DHPP/S&R/E-28/538-40	Violation of Code of Conduct at Sites & Camps	
169.	31.03.23	GM/PD/DHPP/LA-S&R/W-35/335-37	Construction of the Joint Team	
<b>1.15. Dasu-LADP</b>				
<b>Dasu Office</b>				
170.	01.03.23	GM/PD/DHPP/Contracts/129-B/1841-45	Clause 23 Appointment of Adjudicator	
171.	10.03.23	GM/PD/DHPP/Contracts/129-B/2327-31	Appointment of Adjudicator	
172.	11.03.23	GM/PD/DHPP/Contracts/LADP/129-B/2361-64	Project Managers Assessment Report on Contractors Prolongation and Idling Cost Claim	
173.	10.03.23	GM/PD/DHPP/Contracts/129-B/2327-31	Construction of New RCC Bridge at Jalkot Nullah Appointment of Adjudicator	
<b>2. From Contractors</b>				
<b>2.1. Dasu-RAR-01</b>				
<b>Dasu Office</b>				
174.	02.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-017	Employers Request for Extension in the Due Date for Payment of IPCs 34A and 34B	
175.	04.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-WR-007	Submission of Weekly Progress Reports (10th Feb- 2nd March 2023)	
176.	13.03.23	CCECC/PAK/DASUFIELD/RAR-01/HSE-23--005	Submission of GRM (Grievance Redress Mechanism)	
177.	14.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-018	Request for Early Payment of Claim Amount of Insurance and Guarantee Extension Determined by the Engineer	
178.	14.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-019	Submission of 8th Extension of Workmen Compensation Policy Insurance	
179.	14.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-020	Introduction of New Supertax 4C-Notice of Contractor's Intent to Claim	
180.	16.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-021	Submission of Interim Payment Application IPA # 36	
181.	18.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-WR-008	Submission of Weekly Progress Reports	
182.	18.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-022	Submission of Monthly Progress Reports	
183.	22.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-023	Revising Duty Timing for Komila Bypass	
184.	28.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-024	Stoppage of Subgrade Work Activities by Local People at (K1+800) Around Area at Komila Bypass	
185.	30.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-025	Claim on 8th Extension of Workmen Compensation Insurance Policy of RAR-01	
186.	30.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-027	Revised Monitoring Schedule of RAR-01 V0-007 Komila Bypass	

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**Appendix E [5/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
187.	30.03.23	CCECC/PAK/DASUFIELD/RAR-01/23-028	Extension of Time for Completion No.04 for RAR-01 (Re-Submit )	
<b>2.2. Dasu-RAR-02</b>				
<b>Dasu-Office</b>				
188.	01.03.23	CGGC/RAR-02/ED/DHC-536	Issues Regarding the Relocation of Local Residents Along the RAR-02 Road	
189.	02.03.23	CGGC/RAR-02/ED/DHC-537	Weekly Progress Report of RAR-02 (2023.02.20-2023.02.26)	
190.	03.03.23	CGGC/RAR-02/ED/DHC-538	Blasting Plan in Next Week of RAR-02 (2023.02.27-2023.03.05)	
191.	03.03.23	CGGC/RAR-02/TD/DHC-539	Remind Again Restoration of Uchar Bridge	
192.	03.03.23	CGGC/RAR-02/ED/DHC-540	Monthly Progress Report	
193.	08.03.23	CGGC/RAR-02/HRD/DHC-541	Submission of Staff Information List	
194.	07.03.23	CGGC/RAR-02/CD/DHC-542	Extension of Bank Guarantees	
195.	07.03.23	CGGC/RAR-02/CD/DHC-543	Claim for Blast Incident- Submit Additional Particulars	
196.	07.03.23	CGGC/RAR-02/ED/DHC-544	Blasting Plan in Next Week of RAR-02 (2023.03.06-2023.03.12)	
197.	09.03.23	CGGC/RAR-02/TD/DHC-545	Regarding the Geological Issues Along the RAR-02 Road	
198.	09.03.23	CGGC/RAR-02/ED/DHC-546	Weekly Progress Report of RAR-02 (2023.02.27-2023.03.05)	
199.	12.03.23	CGGC/RAR-02/ED/DHC-547	Proposal of Offices for the Engineer and Employer at Barseen Camp	
200.	13.03.23	CGGC/RAR-02/ED/DHC-548	Letter Requesting Removal of House in Doga Area	
201.	13.03.23	CGGC/RAR-02/ED/DHC-549	Notice of Work Stoppage by Locals at Doga Work Area (K20+590)	
202.	13.03.23	CGGC/RAR-02/ED/DHC-550	Blasting Plan in Next Week	
203.	13.03.23	CGGC/RAR-02/ED/DHC-551	Weekly Progress Report	
204.	15.03.23	CGGC/RAR-02/ED/DHC-552	Reply to Slop Slide in 37+760-37+790	
205.	15.03.23	CGGC/RAR-02/ED/DHC-553	Regarding the Impact of the Construction of Undemolished Houses in the Reservoir Area	
206.	15.03.23	CGGC/RAR-02/ED/DHC-554	Notice of Works Storage by Locals at Gayal Work Area (K27+800)	
207.	16.03.23	CGGC/RAR-02/CD/DHC-555	Selection of Sole Member for the Dispute Board	
208.	16.03.23	CGGC/RAR-02/FD/WAPDA-12	Extension of Advance Payment Guarantee	
209.	16.03.23	CGGC/RAR-02/HSED/DHC-556	Request for Issuance of the Approval Letter of Deputy OHSO	
210.	16.03.23	CGGC/RAR-02/HSED/DHC-557	Submission of the Documents for the Approval of Doctor	
211.	18.03.23	CGGC/RAR-02/ED/DHC-558	Notice of Work Stoppage by Locals Gayal Work Area (K27-K30)	
212.	20.03.23	CGGC/RAR-02/CD/DHC-559	Claim for Extension of Bank Guarantee - Translation Documents	
213.	21.03.23	CGGC/RAR-02/HSED/DHC-560	Submission of the Monthly Environment Report in February 2023	
214.	21.03.23	CGGC/RAR-02/HSED/DHC-561	Submission of the Monthly OHS Report in February 2023	
215.	21.03.23	CGGC/RAR-02/ED/DHC-562	Weekly Progress Report	
216.	21.03.23	CGGC/RAR-02/ED/DHC-563	Notice of Work Stoppage by Locals at Gayal Work Area (K27-K30)	
217.	21.03.23	CGGC/RAR-02/ED/DHC-564	Blasting Plan in Next Week (2023.03.20-2023.03.26)	
218.	22.03.23	CGGC/RAR-02/ED/DHC-565	Kandia K34 + 420 and K34+820 Work Hindrance	
219.	23.03.23	CGGC/RAR-02/PD/DHC-566	Submission of Explosive Record to the Engineer	
220.	23.03.23	CGGC/RAR-02/PD/DHC-567	Notification of Working Time During Ramadan	
221.	23.03.23	CGGC/RAR-02/ED/DHC-568	About K35+570-K40+000 out of Row	
222.	24.03.23	CGGC/RAR-02/ED/DHC-569	Kandia K35+600 to K35+800 Work Hindrance	
223.	25.03.23	CGGC/RAR-02/ED/DHC-570	Base Line Schedule Revision 02	
224.	29.03.23	CGGC/RAR-02/FD/WAPDA-013	Submission of Extended Advance Payment Guarantee	
225.	29.03.23	CGGC/RAR-02/ED/DHC-571	Weekly Progress Report (	
226.	29.03.23	CGGC/RAR-02/ED/DHC-572	Blasting Plan in Next Week	
<b>2.3. Dasu-KKH-01</b>				
<b>Dasu Office</b>				
227.	03.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-026	Interruption of the Excavation Activities at K2+000 at zero point due to the Presence of the Local House	
228.	01.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-035	OSH KPI FEBRUARY 2023	
229.	03.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-036	Fortnightly Explosive Record, 16-28 February 2023	
230.	03.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-027	Resubmission of Electromechanical Design for Tunnels & Bridges	
231.	03.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-037	Submission of Revised Construction Environmental Action Plan (CEAP) for Approval	
232.	03.03.23	CCECC/PAK/DASUFIELD/KKH-01/WR-292	Resubmission of Weekly Progress Reports (1st Nov, 2022 to 29th Jan, 2023)	
233.	03.03.23	CCECC/PAK/DASUFIELD/KKH-01/WR-293	Submission of Weekly Progress Reports (3Qth Jan to 28th Feb 2023)	
234.	06.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-028	Request for the Approval of Turkplast (Alif Industry) As A Source of HDPE, UPVC, PPRC & PVC Products	
235.	06.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-029	Request for the Approval of Marflex Building Materials (As a Source of Geotextile Products)	
236.	05.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-038	Investigation and RCA of Incident Report No 53	
237.	05.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-039	Construction of Crush Plant at Chuchang	
238.	07.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-030	Submission of Tunnel Building Planning and Design Specifications	
239.	05.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-040	Construction of Sedimentation Tank at K9 Tunnel for Waste Water Management Plan	
240.	05.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-041	Washing Facility at Concrete Batching Plant K9 Tunnel Site (	
241.	07.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-042	Revised Monthly EHS Report No. 84, December 2022	
242.	07.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-043	Revised Monthly EHS Report No. 85, December 2022	



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**Appendix E [6/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
243.	09.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-031	Notice to Claim -Interference and Delay at Doqah Tunnel and Kaigah Bypass by Employers Other Contractor	
244.	10.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-044	Contractor's Excavation and Blasting Activities Caused to Interruption and Hindrance in Dogah Tunnel Construction	
245.	10.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-045	Submission of Drinking Water Quality Report	
246.	10.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-046	OHS Mock Drill Plan 2023	
247.	11.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-047	Submission of MBBS Doctor's CV for Approval	
248.	11.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-048	ES- Pak Laboratory Environmental Monitoring Approval	
249.	11.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-049	Monthly OHS Monitoring Report # 86 , February 2023	
250.	12.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-032	Clearance of Mortar Grout Design Parameters	
251.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/WR-294	Submission of Weekly Progress Report (27th Feb to 13th March 2023)	
252.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-033	Submission of Reinforcement Steel Bars Manufactured by Pak Steel third Party Test Results	
253.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-034	Submission of Interim Payment Application IPA No.31	
254.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-035	Substantiation of on-Site Management Cost Claim for EOT2 of KKH-01	
255.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-036	Schedule for Third Party Testing of Jointly Sampled	
256.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-037	Testing of Wire Mesh	
257.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-038	Testing of Rock Bolt	
258.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-039	Testing of Cement (Fauji Lac)	
259.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-040	Testing of Cement (Fauji Lac)	
260.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-041	Testing of Cement (Fauji Lac)	
261.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-042	Request for Provision of Bitumen Grade 60-70 Bulk Rate from Attock Petroleum	
262.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-043	Request for Early Payment of Claim Amount of Insurance and Guarantee Extension Determined by the Engineer	
263.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-044	Submission of Interim Salary Records of EHS Staff Since V0-005 Commencement	
264.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-045	Introduction of New Supertax 4C-Notice of Contractor's Intent to Claim	
265.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-046	Approval of Laboratory Equipment Manufacturer & Supplier " Kadeer Brother Limited	
266.	13.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-047	submission of Detailed Design Calculation Report and Response to Engineer Drawing Approval -Comments (EDAC)	
267.	15.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-050	Monthly EHS Monitoring Report # 86 , February 2023	
268.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-051	Submission of Revised Drinking Water Testing Report	
269.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-052	Required Security Personnel for New Chinese Uchar Camp	
270.	16.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-048	Submission of Interim Payment Application No.32	
271.	14.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-049	Submission of Monthly Progress Reports (1st to 30th Jan and 1st to 30th Feb 2023)	
272.	15.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-054	Submission of Quotations for Approval to Purchase OHS Items &PPEs	
273.	16.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-055	Submission of Grievance Redress Mechanism	
274.	16.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-056	Submission of 3rd Party Inspection of Cranes	
275.	17.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-050	Resubmission of Baseline Schedule for KKH-01 Contract	
276.	17.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-057	Submission of Speed Monitoring Record	
277.	17.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-058	Rectifications of OHS Non- Compliance at K9 and K4	
278.	18.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-059	Medevac Mock Drill Report March 2023	
279.	18.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-060	Fortnightly Explosive Records , 1-15 March 2023	
280.	19.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-051	Approval of Concrete Mix Design	
281.	20.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-052	Submission of Documents Required by Engineer as Per MOM (11.03.23)	
282.	21.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-053	Approval of K5 Crushing Plant Aggregate and Use of Logro A Tunnel Excavated Material	
283.	21.03.23	CCECC/PAK/DASUFIELD/KKH-01/23-054	Interference and Delay at Dogah Tunnel and Kaigah Baypass the Employer's Other Contractor	
284.	21.03.23	CCECC/PAK/DASUFIELD/KKH-01/WR-295	Submission of Weekly Progress Report	
285.	22.03.23	CCECC/PAK/DASUFIELD/KKH-01/22-55	Working Hours in Ramazan for KKH-01 & RAR-01	
286.	23.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-061	Submission of Fortnightly Explosive Records 1-15 March 2023	
287.	26.03.23	CCECC/PAK/DASUFIELD/KKH-01/22-056	Khushee Access Road - Approved Mix Design of RCCP with Kaigah Coarse Aggregates	
288.	26.03.23	CCECC/PAK/DASUFIELD/KKH-01/22-057	Reply to Engineer's Comments on Detailed Design of Uchar Bridge Barseen Bridge and Dogah Bridge	
289.	29.03.23	CCECC/PAK/DASUFIELD/KKH-01/22-058	Submission of Development Scheme of Chinese Manpower for Tunnel and Bridges and Requirement of Security Personnel	
290.	29.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-062	Submission of Equipment and Machinery Detail (Item NO.247)	
291.	29.03.23	CCECC/PAK/DASUFIELD/KKH-01/22-059	Value Engineering Matter Related to Water Supplies Facilities Relocation Works for Uchar Village	
292.	29.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-063	Submission of Security Accessories for Inspection and Approval	
293.	29.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-064	Submission of Waste Materials Record (Item No.65)	
294.	31.03.23	CCECC/PAK/DASUFIELD/KKH-01/22-060	Security EHS -OHS and Additional Administrative Cost	
295.	29.03.23	CCECC/PAK/DASUFIELD/KKH-01/22-061	Submission of Detailed Stability Analysis of Slopes and Anchor Cables Calculation Report at Uchar Bridge Pier #1and Pier # 2 Area	

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**Appendix E [7/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
296.	30.03.23	CCECC/PAK/DASUFIELD/KKH-01/HSE-23-065	Recommendation Letter for Explosive Materials Transportation (From EL-07)	
<b>2.4. Dasu-KKH-02</b>				
<b>Dasu Office</b>				
297.	01.03.23	CGGC/KKH-02/CD/DHC-416	Report on the Delay in Land Handover	
298.	03.03.23	CGGC/KKH-02/ED/DHC-417	Blasting Plan in Next Week of KKH-02 (2023.2.27 -2023.3.5)	
299.	03.03.23	CGGC/KKH-02/HSED/DHC-418	Request for increase of Security Forces On Site	
300.	03.03.23	CGGC/KKH-02/CD/DHC-419	Reminder for Restoration of Uchar Bridge	
301.	03.03.23	CGGC/KKH-02/ED/DHC-420	Weekly Progress Report (2023.2.20-2023.2.26)	
302.	06.03.23	CGGC/KKH-02/CD/DHC-421	Reply to Request for Provision of Additional Information for Variation Order VO-002 for Construction of Tunnels and Bridges	
303.	06.03.23	CGGC/KKH-02/TD/DHC-422	Request for Approval of Plans and Profile Drawings of Varied Tunnels and Bridges	
304.	06.03.23	CGGC/KKH-02/HSED/DHC-423	Initial Incident Flash Report 04-Mar.-2023	
305.	08.03.23	CGGC/KKH-02/HRD/DHC-424	Submission of Staff Information List	
306.	08.03.23	CGGC/KKH-02/CD/DHC-425	Extension of Bank Guarantees	
307.	08.03.23	CGGC/KKH-02/ED/DHC-426	Blasting Plan in Next Week of KKH-02 (2023.03.06-2023.03.12)	
308.	08.03.23	CGGC/KKH-02/ED/DHC-427	Weekly Progress Report (2023.2.27-2023.3.5)	
309.	08.03.23	CGGC/KKH-02/HSED/DHC-428	Initial Incident Flash Report 02-March-2023	
310.	11.03.23	CGGC/KKH-02/HSED/DHC-429	Request for Increase of Security Forces on Site	
311.	12.03.23	CGGC/KKH-02/HRD/DHC-430	Delegation of Power as Executive Manager	
312.	14.03.23	CGGC/KKH-02/ED/DHC-411	The Provision of Recommendation Letter for Explosive License Renewal	
313.	13.03.23	CGGC/KKH-02/CD/DHC-431	Notice of Claim -Record for Impediment During Construction Activities at Various Sites	
314.	15.03.23	CGGC/KKH-02/ED/DHC-432	Request for the Payment of 5 # Interim Payment Certificate	
315.	15.03.23	CGGC/KKH-02/ED/DHC-433	Weekly Progress Report	
316.	15.03.23	CGGC/KKH-02/ED/DHC-434	Monthly Progress Report	
317.	15.03.23	CGGC/KKH-02/ED/DHC-435	Blasting Plan in Next Week	
318.	16.03.23	CGGC/KKH-02/CD/DHC-436	Selection of Sole Member for the Dispute Board	
319.	16.03.23	CGGC/KKH-02/HSED/DHC-437	Request for Increase of Security Forces on Site	
320.	18.03.23	CGGC/KKH-02/TD/DHC-438	Revised Construction Drawings	
321.	20.03.23	CGGC/KKH-02/CD/DHC-439	Claim for Extension of Bank Guarantee -Translation Documents	
322.	21.03.23	CGGC/KKH-02/ED/DHC-440	Blasting Plan in Next Week	
323.	21.03.23	CGGC/KKH-02/CD/DHC-441	Interim Claim KKH-02 -C-01 (08) (Period Feb.01.2023- Feb.28.2023)	
324.	21.03.23	CGGC/KKH-02/ED/DHC-442	Weekly Progress Report	
325.	23.03.23	CGGC/KKH-02/CD/DHC-443	Re-Submission of Commercial Proposal for KKH-02 VO-002	
326.	23.03.23	CGGC/KKH-02/CD/DHC-444	Notice of Claim- Lack of Security Forces Protection	
327.	31.03.23	CGGC/KKH-02/HSED/DHC-445	Traffic Closure Schedules for Existing KKH	
328.	29.03.23	CGGC/KKH-02/ED/DHC-446	Weekly Progress Report	
329.	29.03.23	CGGC/KKH-02/CD/DHC-447	Notice of Claim - Record for Impediment During Construction Activities at Various Sites of KKH-02	
330.	29.03.23	CGGC/KKH-02/CD/DHC-448	Report on the Delay in Land Handover	
331.	29.03.23	CGGC/KKH-02/HSED/DHC-449	Request for Recommendation Letter for Issuance of Fuel Storage License	
332.	29.03.23	CGGC/KKH-02/HSED/DHC-450	Environmental Fortnightly Training Report	
333.	28.03.23	CGGC/KKH-02/ED/DHC-451	Blasting Plan in Next Week	
334.	28.03.23	CGGC/KKH-02/TD/DHC-452	Related Issued on the Revised Design for K31 Area of KKH-02	
<b>2.5. Dasu-TL-01</b>				
<b>Dasu Office</b>				
335.	02.03.23	PC/Dasusite/TL-01/2023-033	Submission Annual Mock Drill Plan for 2023	
336.	02.03.23	PC/Dasusite/TL-01/2023-034	Submission of Grievance Mechanism	
337.	02.03.23	PC/Dasusite/TL-01/2023-035	Data List of In-Migrants Pak Workforce & Daily Wagers Data for the Month of Feb, 2023	
338.	02.03.23	PC/Dasusite/TL-01/2023-036	Submission of List of Vehicles for the Month of Feb, 2023	
339.	02.03.23	PC/Dasusite/TL-01/2023-037	Submission of Weekly Progress Report	
340.	04.03.23	PC/Dasusite/TL-01/2023-038	Row Issues at Lower Kohistan and Palas Area	
341.	04.03.23	PC/Dasusite/TL-01/2023-039	Revised Drawing of Access Road for Grid Station	
342.	05.03.23	PC/Dasusite/TL-01/2023-040	Submission of Monthly Progress Report for February,2023	
343.	06.03.23	PC/Dasusite/TL-01/2023-041	Submission of Monthly Environment health & safety Report for February,2023	
344.	06.03.23	PC/Dasusite/TL-01/2023-042	Submission of Resume of HSE officer	
345.	07.03.23	PC/Dasusite/TL-01/2023-043	Notice-Increase of GST rate from 17% to 18%	
346.	07.03.23	PC/Dasusite/TL-01/2023-044	Submission of Weekly Progress Report	
347.	07.03.23	PC/Dasusite/TL-01/2023-045	Police Clearance Certificates of Pakistani staff	
348.	08.03.23	PC/Dasusite/TL-01/2023-046	Notice to Claim-Increase of GST rate from 17% to 18%	
349.	08.03.23	PC/Dasusite/TL-01/2023-047	Submission of Revised Monthly Environment health & safety Report for January 2023	
350.	10.03.23	PC/Dasusite/TL-01/2023-048	Failure to Install Fence and Stop Unauthorized Entry at Grid Station	
351.	13.03.23	PC/Dasusite/TL-01/2023-049	Submission of Weekly Progress Report	

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**Appendix E [8/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
352.	18.03.23	PC/Dasusite/TL-01/2023-050	Submission of Water Quality Test Report	
353.	18.03.23	PC/Dasusite/TL-01/2023-051	Submission of Medical Screening Record of Kitchen Staff	
354.	20.03.23	PC/Dasusite/TL-01/2023-052	Submission of Weekly Progress Report	
355.	26.03.23	PC/Dasusite/TL-01/2023-053	Equipment Installation at Grid Station	
356.	27.03.23	PC/Dasusite/TL-01/2023-054	Extension of Advance Payment Guarantee	
357.	28.03.23	PC/Dasusite/TL-01/2023-055	Submission of Weekly Progress Report	
358.	28.03.23	PC/Dasu/TL-01/JS/23-002	Commercial Invoice for Interim Payment	
359.	31.03.23	PC/Dasusite/TL-01/2023-056	Absence of Contractor's PM-DPM, Stringing -Erection and Equipment Installation Team	
<b>2.6. Dasu-MW-01</b>				
<b>Dasu-Office</b>				
360.	01.03.23	CGGC/MW-01/ED/DHC-2861	Blasting Plan in Next Week of MW-01 (2023.02.27-2023.03.05)	
361.	01.03.23	CGGC/MW-01/ED/DHC-2866	Weekly Progress Report of MW-01 (2023.02.20-2023.02.26)	
362.	02.03.23	CGGC/MW-01/TD/DHC-2865	Submission of the Method Statement of Excavation and Support of the Right Bank Abutment (D2)	
363.	02.03.23	CGGC/MW-01/FD/DHC-2867	Request for the Payment of 35# Interim Payment Certificate	
364.	02.03.23	CGGC/MW-01/TD/DHC-2868	Submission of the Design Documents of the Transmission Line D5	
365.	03.03.23	CGGC/MW-01/HRD/DHC-2869	Delegation of Power as General Project Manager	
366.	03.03.23	CGGC/MW-01/CD/DHC-2870	Draft Minutes of Meeting held on 31 January 2023 on Contractor's Claim for Prolongation Cost	
367.	03.03.23	CGGC/MW-01/CD/DHC-2871	2nd Reminder Regarding Restoration of Uchar Bridge	
368.	04.03.23	CGGC/MW-01/TD/DHC-2872	Request for the Maximum Value of the River level Elevation in the Kass Area During the Flood Discharge of the DHPP	
369.	03.03.23	CGGC/MW-01/TD/DHC-2873	Apply for Approval of Environmental Officer	
370.	05.03.23	CGGC/MW-01/CD/DHC-2874	Disbursement Schedule	
371.	06.03.23	CGGC/MW-01/HRD/DHC-2875	Visa Invitation Letter	
372.	07.03.23	CGGC/MW-01/CD/DHC-2876	Claim for Blast Incident -Submit Additional Particulars	
373.	08.03.23	CGGC/MW-01/GD/DHC-2877	Notification of Change of Office Address and Contact Number	
374.	07.03.23	CGGC/MW-01/ED/DHC-2878	Report on the Delay in Land Handover	
375.	08.03.23	CGGC/MW-01/ED/DHC-2879	Reply to Removal of Dumped material from Upstream of DTB Outlet and Downstream of Adit-03-2 Tunnel Outlet	
376.	09.03.23	CGGC/MW-01/HRD/DHC-2880	Submission of Staff Information List	
377.	10.03.23	CGGC/MW-01/TD/DHC-2881	The Convergence Measurements Data of MW-01 in February 2023	
378.	11.03.23	CGGC/MW-01/PD/DHC-2885	Assistance and Support on Custom Clearance	
379.	11.03.23	CGGC/MW-01/PD/DHC-2886	Reply about the Enhancement of Security of Expatriates	
380.	11.03.23	CGGC/MW-01/ED/DHC-2883	Reply to the Progress of Cut-off Wall Works of Starter Dam	
381.	10.03.23	CGGC/MW-01/ED/DHC-2884	Weekly Progress Report	
382.	11.03.23	CGGC/MW-01/CD/WAPDA-85	Questions for DB's Non-Binding Opinion of Crushing and Batching Plants	
383.	12.03.23	CGGC/MW-01/CD/DHC-2887	Additional Cost Claim due to Change in Legislation	
384.	12.03.23	CGGC/MW-01/CD/DHC-2888	Blasting Plan in Next Week	
385.	12.03.23	CGGC/MW-01/CD/DHC-2889	Proposal for the Varied Works on Measures for Debris Flow (First Stage )	
386.	12.03.23	CGGC/MW-01/CD/DHC-2890	The Response of the Security Administrative Issues	
387.	12.03.23	CGGC/MW-01/CD/DHC-2891	The Response of the Security Administrative Issues	
388.	12.03.23	CGGC/MW-01/HSED/DHC-2882	Site Security , Permission and Record Keeping	
389.	13.03.23	CGGC/MW-01/GD/WAPDA-85	Assistance for Operation of the SCO Signal Tower in Kass Camp	
390.	14.03.23	CGGC/MW-01/TD/DHC-2892	Submission of Method Statement of Excavation and Supporting of Right Bank Diversion Tunnel	
391.	15.03.23	CGGC/MW-01/CD/DHC-2893	Non-Adjustable Payable Amount	
392.	15.03.23	CGGC/MW-01/TD/DHC-2894	Submission of Design Drawings of Slope Excavation of Cable Car and Design Documents of Cable Crane (Revision 8 )	
393.	14.03.23	CGGC/MW-01/ED/DHC-2895	Letter on the Impact of Local Police Clashes on the Contractor Construction	
394.	14.03.23	CGGC/MW-01/ED/DHC-2896	Report on FC's Refusal of Attendance	
395.	14.03.23	CGGC/MW-01/ED/DHC-2897	Reply to the Commencement of Construction Works for Batching Plant No2 # in Siglo Area	
396.	14.03.23	CGGC/MW-01/ED/DHC-2899	Reply to the Complaint by Special Communication Unit (SCO)	
397.	16.03.23	CGGC/MW-01/TD/DHC-2898	Submission the Third-Party Test Results of Material in January	
398.	17.03.23	CGGC/MW-01/ED/DHC-2900	Report of the Poor Temporary Road in the Uchar Nullah Affecting the Progress of Construction	
399.	17.03.23	CGGC/MW-01/ED/DHC-2901	Letter Regarding the Equipment Transportation Road of Cable Crane Platform in Right Bank	
400.	17.03.23	CGGC/MW-01/ED/DHC-2902	Weekly Progress Report	
401.	16.03.23	CGGC/MW-01/ED/DHC-2903	Monthly Progress Report	
402.	19.03.23	CGGC/MW-01/TD/DHC-2904	Submit the Test Results of Fauji LAC at Five Laboratories	
403.	18.03.23	CGGC/MW-01/HSED/DHC-2905	Reply to the Initiation of Tree Plantation Under the Contract	
404.	18.03.23	CGGC/MW-01/HSED/DHC-2906	Submission of the Monthly Environment Report in February 2023	
405.	18.03.23	CGGC/MW-01/HSED/DHC-2907	Submission of the Monthly OHS Report in February 2023	
406.	19.03.23	CGGC/MW-01/ED/DHC-2908	Blasting Plan in Next Week of MW-01 (2023.03.20-2023.03.06 )	

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**Appendix E [9/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
407.	21.03.23	CGGC/MW-01/TD/DHC-2909	Submission of Layout Plan of the Anti -Seepage Dyke at the Diversion Tunnel Outlet	
408.	21.03.23	CGGC/MW-01/HSED/DHC-2910	The Closeouts of New Crush Plant Uchar	
409.	21.03.23	CGGC/MW-01/HSED/DHC-2911	The Closeouts of CR-02 Steel Workshop	
410.	23.03.23	CGGC/MW-01/TD/DHC-2912	Letter of Submitting Uchar Mixing Plant Rating Report and Concrete Homogeneity Test Report	
411.	22.03.23	CGGC/MW-01/TD/DHC-2913	Submission of the Construction Drawings of Division Tunnel Hoists D1 (HSS)	
412.	23.03.23	CGGC/MW-01/PD/DHC-2914	Submission of Explosive Record to the Engineer	
413.	23.03.23	CGGC/MW-01/ED/DHC-2915	Notification of Working Time During Ramadan	
414.	23.03.23	CGGC/MW-01/HSED/DHC-2916	The Close outs of CR-02 Batching Plant	
415.	24.03.23	CGGC/MW-01/TD/DHC-2917	Report of Earthquake	
416.	24.03.23	CGGC/MW-01/CD/DHC-2918	Request for Issue the Variation Order of Power Supply System for Uchar 1# Batch Plant and 1# Crushing Plant	
417.	24.03.23	CGGC/MW-01/HSED/DHC-2919	Reply to the Initiation of Tree Plantation Under the Contract	
418.	24.03.23	CGGC/MW-01/ED/DHC-2920	Weekly Progress Report	
419.	25.03.23	CGGC/MW-01/PD/DHC-2921	Reply About Purchase Armoured Vehicles	
420.	25.03.23	CGGC/MW-01/HSED/DHC-2922	Security Issue at Camp Chilas	
421.	26.03.23	CGGC/MW-01/ED/DHC-2924	Blasting Plan in Next Week	
422.	27.03.23	CGGC/MW-01/TD/DHC-2923	Submission of Method Statement of the Concrete Construction of Initial Upstream Start Dam	
423.	28.03.23	CGGC/MW-01/TD/DHC-2925	Letter on Uchar Power Station Earthing System Plan	
424.	26.03.23	CGGC/MW-01/HSED/DHC-2926	Reply to the Potential High Voltage Electrical Cable Hazard in Right Bank Upstream of Bypass (Diversion ) Tunnel	
425.	26.03.23	CGGC/MW-01/HSED/DHC-2927	The Closeouts of CR-02 Batching Plant	
426.	29.03.23	CGGC/MW-01/HSED/DHC-2928	Closeouts of the Environmental Non-Compliances at the Starter Dam Site	
427.	30.03.23	CGGC/MW-01/CD/DHC-2929	Submission of the Statement Application for IPC 37	
428.	28.03.23	CGGC/MW-01/ED/DHC-2930	Weekly progress Report	
429.	30.03.23	CGGC/MW-01/ED/DHC-2931	Reply to NCR Related to Provision of Temporary Ventilation System in Right Bank Bypass Tunnel	
430.	30.03.23	CGGC/MW-01/ED/DHC-2932	Reply of the Poor Temporary Road in the Uchar Nullah	
431.	29.03.23	CGGC/MW-01/ED/DHC-2933	Reply to Cleaning of Debris in Right Bank in Front of Siglo Nullah	
432.	31.03.23	CGGC/MW-01/HRD/DHC-2934	Visa Invitation Letter	
<b>2.7. Dasu-MW-02</b>				
<b>Dasu-Office</b>				
433.	01.03.23	CGGC/MW-02/ED/DHC-2086	Blasting Plan in Next Week of MW-02 (2023.02.27-2023.03.05)	
434.	01.03.23	CGGC/MW-02/ED/DHC-2089	Weekly Progress Report of MW-02 (2023.02.20-2023.02.26)	
435.	02.03.23	CGGC/MW-02/FD/DHC-2090	Request for the Payment of 35# Interim Payment Certificate of MW-02	
436.	03.03.23	CGGC/MW-02/TD/DHC-2091	2nd Reminder Regarding Restoration of Uchar Bridge	
437.	07.03.23	CGGC/MW-02/CD/DHC-2092	Claim for Blast Incident - Submit Additional Particulars	
438.	08.03.23	CGGC/MW-02/HRD/DHC-2093	Submission of Staff Information List	
439.	07.03.23	CGGC/MW-02/ED/DHC-2094	Report on the Delay in Land Handover	
440.	10.03.23	CGGC/MW-02/TD/DHC-2095	The Convergence Measurements Data of MW-02 in February 2023	
441.	10.03.23	CGGC/MW-02/ED/DHC-2096	Weekly Progress Report	
442.	11.03.23	CGGC/MW-02/PD/DHC-2097	Assistance and Support on Custom Clearance	
443.	11.03.23	CGGC/MW-02/PD/DHC-2098	Reply About the Enhancement of Security of Expatriates	
444.	12.03.23	CGGC/MW-02/CD/DHC-2099	Additional Cost Claim due to Change in Legislation	
445.	12.03.23	CGGC/MW-02/ED/DHC-2100	Blasting Plan	
446.	12.03.23	CGGC/MW-02/CD/DHC-2101	The Response of the Security Administrative Issues	
447.	14.03.23	CGGC/MW-02/ED/DHC-2101	The Provision of Recommendation letter for Explosive license Renewal	
448.	15.03.23	CGGC/MW-02/TD/DHC-2102	Submission the Third-Party Test Results of Material in January	
449.	15.03.23	CGGC/MW-02/TD/DHC-2102	Submission the Third-Party Test Results of Material in January (1282)	
450.	15.03.23	CGGC/MW-02/TD/DHC-2103	Non-Adjustable Payable Amount	
451.	14.03.23	CGGC/MW-02/TD/DHC-2104	Letter on the Impact of Local Police Clashes on the Contractor Construction	
452.	15.03.23	CGGC/MW-02/TD/DHC-2105	Report on FC's Refusal of Attendance	
453.	16.03.23	CGGC/MW-02/TD/DHC-2106	The Proposal of Grounding Grid Connection Type for Powerhouse above EL.760 and Transformer Cavern above EL.772.5	
454.	13.03.23	CGGC/MW-02/ED/DHC-2107	Letter on Mobilization Plan for MW-02 Manpower and Equipment	
455.	17.03.23	CGGC/MW-02/ED/DHC-2108	Report of the Poor Temporary Road in the Uchar Nullah Affecting the Progress of Construction	
456.	17.03.23	CGGC/MW-02/ED/DHC-2109	Report About Access Road Interference in Switchyard Area	
457.	17.03.23	CGGC/MW-02/ED/DHC-2110	Weekly Progress Report (2023.03.06-23.03.12)	
458.	16.03.23	CGGC/MW-02/ED/DHC-2111	Monthly Progress Report	
459.	18.03.23	CGGC/MW-02/TD/DHC-2112	Submit the Test Results of Fauji LAC at Five Laboratories	
460.	18.03.23	CGGC/MW-02/HSED/DHC-2113	Submission of the Monthly Environment Report in February 2023	
461.	18.03.23	CGGC/MW-02/HSED/DHC-2114	Submission of the Monthly OHS Report in February 2023	

**Dasu Hydropower Project**  
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**Appendix E [10/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
462.	19.03.23	CGGC/MW-02/ED/DHC-2115	Blasting Plan	
463.	23.03.23	CGGC/MW-02/TD/DHC-2116	Letter of Submitting Uchar Mixing Plant Rating Report and Concrete Homogeneity Test Report	
464.	22.03.23	CGGC/MW-02/TD/DHC-2117	Submission of the Concrete Construction Method Statement of 1# Drainage Tunnel and Exhaust Tunnel Invert Slab (D2)	
465.	23.03.23	CGGC/MW-02/PD/DHC-2118	Submission of Explosive Record to the Engineer	
466.	23.03.23	CGGC/MW-02/ED/DHC-2119	Notification of Working Time During Ramadan	
467.	24.03.23	CGGC/MW-02/TD/DHC-2120	Report of Earthquake	
468.	24.03.23	CGGC/MW-02/ED/DHC-2121	Weekly Progress Report (23.03.13-2023.03.19)	
469.	25.03.23	CGGC/MW-02/PD/DHC-2122	Reply About Purchase Armored Vehicles	
470.	26.03.23	CGGC/MW-02/ED/DHC-2123	Blasting Plan	
471.	29.03.23	CGGC/MW-02/HSED/DHC-2124	Security Issues at CT-02	
472.	30.03.23	CGGC/MW-02/CD/DHC-2125	Submission of the Statement Application for IPC37	
473.	28.03.23	CGGC/MW-02/ED/DHC-2126	Weekly Progress Report	
<b>2.8. Dasu-LBRV-11</b>				
<b>Dasu-Office</b>				
474.	20.03.23	ZEGL/WAPDA-Dasu/LBRV-11/23-01	Request for Release of Claims Payment	
475.	30.03.23	ZEG/DHC/LBRV-11/23-05	Request for Release of Claims Payment	
<b>2.9. Dasu-LBRV-12</b>				
<b>Dasu-Office</b>				
476.	22.03.23	ZEGL/WAPDA-Dasu/LBRV-12/23-01	Request for Release of EOT Cost Claim Payment	
477.	29.03.23	ZEG/DHC/LBRV-12/23-04	Instruction to Complete Outstanding Work at Handed Over Resettlement Sites	
478.	30.03.23	ZEG/DHC/LBRV-12/23-05	Submission of Prolongation Cost Claim for EOT -1 & EOT-2 (Composite ) for the Period from June 25,2017 to September 30,2022	
<b>2.11. PCI-01R</b>				
<b>Dasu- Office</b>				
479.	05.03.23	CGICOP-DASU-PCI-01R-PO-1677	Request for Provision of Wire Mesh (Metal Lath) before Plaster Work over all Joints Internally & Externally for Remaining Colony Buildings	
480.	05.03.23	CGICOP-DASU-PCI-01R-PO-1678	Delay in Mobilization due to Force Majeure under GCC clause 19.2 for Uchar Water Supply Works due to Exceptional adverse Climatic Conditions	
481.	06.03.23	CGICOP-DASU-PCI-01R-PO-1679	Request for Approval of DBs Manufacturer Drawings and Components Detail (Hostel Cat-2 A&B	
482.	08.03.23	CGICOP-DASU-PCI-01R-PO-1680	Submission of Interim Payment Application No 39	
483.	08.03.23	CGICOP-DASU-PCI-01R-PO-1681	Notice for Delay in Issuance of Clarification of Boundary Wall Design Part-2 & Right of Access to Site	
484.	10.03.23	CGICOP-DASU-PCI-01R-PO-1682	Reminder-1 for Delay in Issuance of Construction Drawings for Highlighted Portion & Delay in Possession of Site for Part-7	
485.	10.03.23	CGICOP-DASU-PCI-01R-PO-1683	Submission of Health and Safety Monthly Report Februarv.2023	
486.	11.03.23	CGICOP-DASU-PCI-01R-PO-1684	Monthly Progress Report for the Month of February 2023	
487.	10.03.23	CGICOP-DASU-PCI-01R-PO-1685	Request for Sample Approval of (Intercom) for residence Category-2	
488.	13.03.23	CGICOP-DASU-PCI-01R-PO-1686	Approval of BASF Master Seal NP 472 Sealant Material	
489.	13.03.23	CGICOP-DASU-PCI-01R-PO-1687	Submission of Revised Monthly Environmental Monitoring Report Jan 2023	
490.	14.03.23	CGICOP-DASU-PCI-01R-PO-1688	Clarification of the M.s Fence - Railing at First Floor Backside Open Terrace of the Residence Category -1 Building	
491.	15.03.23	CGICOP-DASU-PCI-01R-PO-1689	Request to Postpone Vacation of Mr. Tateki Kan ( Resident Engineer ) Infrastructure Section DHC	
492.	17.03.23	CGICOP-DASU-PCI-01R-PO-1690	Delay in Approval -Consent of the Engineer for Telecommunication Works Within the Wapda Colony	
493.	18.03.23	CGICOP-DASU-PCI-01R-PO-1691	Request for Clarification for Construction of Guard Towers & Sentry (Security Guard ) Post	
494.	18.03.23	CGICOP-DASU-PCI-01R-PO-1692	Notice for Delay in Issuance of Change in Design at Central Canopy Portion of the community Center Building	
495.	18.03.23	CGICOP-DASU-PCI-01R-PO-1693	Notice for Delay In Issuance of Change in Design of the Internal Roads and Addition of the Slope at Drive Way Area	
496.	22.03.23	CGICOP-DASU-PCI-01R-PO-1694	Notice for Delay in Issuance of Change in Design for the Internal Roads	
497.	25.03.23	CGICOP-DASU-PCI-01R-PO-1695	Submission of Calibration Certificate (PCSIR Laboratories)	
498.	26.03.23	CGICOP-DASU-PCI-01R-PO-1696	Notice for Delay due to Frequent Changes in Design for Under Progress Works at Residence Category -2	
499.	28.03.23	CGICOP-DASU-PCI-01R-PO-1697	Notice for Delay in Issuance Instructions for Skirting all Around External Walls of the Residences Building	
500.	29.03.23	CGICOP-DASU-PCI-01R-PO-1698	Submission of Technical Data Sheet from Nippon Paints and Cost Proposal for Improvement in Design of Waterproofing	
501.	29.03.23	CGICOP-DASU-PCI-01R-PO-1699	Response to O & M of Basic Health Unit	
502.	30.03.23	CGICOP-DASU-PCI-01R-PO-1700	Submission of Variation Order # 45 for Additional Work of Supply & Installation of GI	
503.	31.03.23	CGICOP-DASU-PCI-01R-PO-1701	Extension of Advance Payment Guarantee	
<b>32.12 Dasu RV</b>				
<b>Dasu Office</b>				
504.	03.03.23	KGL/Dasu-RV/23-027	Rain at Site	
505.	13.03.23	KGL/Dasu-RV/23-028	Submission of February 2023 Progress Report	
506.	15.03.23	KGL/Dasu-RV/23-029	Slow Progress	
507.	17.03.23	KGL/Dasu-RV/23-030	Varied Works of Safety Railing and China Link Fence for Resettlement Villages	

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**Appendix E [11/20]**

Sr. No	Receiving Date	Letter No.	Subject	Remarks
508.	17.03.23	KGL/Dasu-RV/23-031	Response on Slow Progress	
509.	17.03.23	KGL/Dasu-RV/23-032	Notice Under Clause 43 Tax	
510.	18.03.23	KGL/Dasu-RV/23-033	Camping at Choochang Site 1	
511.	22.03.23	KGL/Dasu-RV/23-034	Site Timings During the Month of Ramadan	
512.	26.03.23	KGL/Dasu-RV/23-035	Submission of Interim Payment Certificate IPC No.14	
513.	27.03.23	KGL/Dasu-RV/23-036	Stoppage of Work at External Water Supply Line	
514.	30.03.23	KGL/Dasu-RV/23-037	Extension fo Advance Payment Guarantee	
<b>2.13 Dasu EM-01</b>				
<b>Dasu Office</b>				
515.	01.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0060	Follow up Response to Contractors Commercial Letters (as of 28th Feb 2023)	
516.	02.3.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0063	Dasu Generator Control Device Installation for Approval	
517.	03.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0044	Submission of the Employer's Nominee for Dispute Board	
518.	3.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0062	Disbursement Schedule	
519.	03.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0064	Clarification of Claim No. to Delayed Generation or Clarification of FI Number by Employer for Goods Declaration of Second Batch of Shipment	
520.	03.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0059	Estimated Budget of facilities for Police and Security forces at EM-01 Camp	
521.	03.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0065	Re-Submission of the updated(20230303) DASU EM01 Hydro Power Plant Programme of Performance v1.10	
522.	08.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0043	Reply to comments of Material change requested with letter No. 2022-0446	
523.	08.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0056	Response About labor Cost Index in Contract Price Adjustment	
524.	08.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0066	Request for D/O document and Application for Permits in Ghazi Barotha Warehouse for 1st Shipment	
525.	08.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0067	Payment of IPC No.03	
526.	08.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0068	Operation and Maintenance of Vehicles	
527.	09.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0069	Notice of Claim Due to Sales Tax Increase to 18%	
528.	10.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0070	Follow up With Stamped Original Bill of Lading of Shipment No.1	
529.	10.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0071	Delay in Generation of Financial Instrument Number for Shipment No.2	
530.	13.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0072	Equipment and Materials Acceptance Sheet	
531.	13.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0075	Claim Additional Payment for December 2022-Temporary Storage Cost at Ghazi Barotha	
532.	13.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0076	Delay in Generation of Financial Instrument (FI ) Number	
533.	15.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0077	Follow Up Payment of IPC No.02	
534.	15.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0078	Customer Clarification for the Water Pressure of Generator Fire Protection System	
535.	15.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0080	Reminder for Providing Detail Concrete Pouring Program	
536.	16.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0079	Follow Up Response to Contractor's Commercial Letters (as of 15th March 2023)	
537.	16.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0081	Final Goods Declaration of Shipment No.1	
538.	16.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0083	Quarterly Progress Report,4Q 2022	
539.	17.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0073	OHSMP-EM-01 V4 and JHAs	
540.	17.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0074	Submission of Disbursement Schedule	
541.	18.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0085	Response to Letter No.72-Joint Site Inspection of WAPDA and DHC	
542.	20.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0086	Contractor's Request Regarding Outstanding WHT and ST Issue	
543.	20.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0087	Deduction in Payment (IPC No.03)	
544.	20.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0088	Dasu Generator FE Calculation Report of Stator Frame Upper Bracket Generator Load on Foundation for Approval	
545.	20.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0089	Dasu Equipment and Materials Acceptance Sheet	
546.	21.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0091	Submission of Revised Dasu Powerhouse Cavern Equipment Arrangement Drawing	
547.	21.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0092	Formal Application for Permits in Ghazi Barotha Ware House for 1st Shipment	
548.	27.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0094	Payment of IPC No.94	
549.	27.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0057	Re-Submission the Generator Firefighting P&ID and Design Memo	
550.	27.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0093	Dasu U5 Stay Ring FAT Notification for Inspection (NFI) and Test Program	
551.	28.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0096	Submission of Drawings for EM-01 Camp Site	
552.	28.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0098	Monthly Progress Report February 2023	
553.	28.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0100	Rotor Spider Assembly and Stator Foundation for Approval	
554.	30.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-098	Reminder for Dasu Generator Control Device Installation for Approval	
555.	30.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0101	Propose Time for Final Claim December 2022	
556.	30.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-0102	Delayed Approval for Contractor's Technical Drawings	
557.	31.03.23	Dasu-EM-01-LET-JV-WAPDA /DHC-2023-097	Joint Inspection and Acceptance for the Goods of 1st Shipment at Ghazi -Barotha Warehouse	
<b>2.14 Dasu RB-014</b>				
<b>Dasu Office</b>				
558.	06.03.23	IKAN/WAPDA/JALKOT/191	Appointment of Adjudicator	



### Outgoing Letters from DHC

Sr. No	Date	Letter No.	Subject	Remarks
<b>1. To WAPDA</b>				
<b>1.1. General</b>				
<b>Lahore office</b>				
1.	01.03.23	DHC/LHR/WAPDA/GEN/zuh/23.040	Request for Approval Shifting of Sultan Zeb LA22 to Sr Construction Planner NP27	
2.	01.03.23	DHC/LHR/WAPDA/GEN/zuh/23.041	Request for Approval Naveed Iqbal Sr Downstream Management-Sr Quantity Engineer (L130)	
3.	07.03.23	DHC/LHR/WAPDA/GEN/aiq/23.042	Statement of Reimbursable Expenses Local Currency Portion December 2022	
4.	13.03.23	DHC/LHR/WAPDA/GEN/tm/23.043	Request for Consent of Inter Adjustment of Man-Months (MMs) for Halcrow Staff	
5.	14.03.23	DHC/LHR/WAPDA/GEN/aiq/23.044	Request for Approval from WAPDA Escalation OHS Staff hired by Halcrow for DHP-14	
6.	16.03.23	DHC/LHR/WAPDA/GEN/tm/23.045	Request Approval Additional MMs M Hamid Ch Sr GIS Professional L89	
7.	16.03.23	DHC/LHR/WAPDA/GEN/zuh/23.046	Request for Approval Shafiq Ahmad Jr M&E Profess (S&R) NP13 to Sr Migration Management L129 Repl Irfan Janjua	
8.	17.03.23	DHC/LHR/WAPDA/GEN/zuh/23.047	Request for Approval Conversion Position Ghulam Nabi Jr Livelihood to Jr Resettlement Professional L112	
9.	20.03.23	DHC/LHR/WAPDA/GEN/mkk/23.048	Shifting DHC Coordination Office Al-Maalik Plaza Davis Road to 5-H Gulberg-II, Lahore	
10.	21.03.23	DHC/LHR/WAPDA/GEN/aiq/23.049	Invoice Remuneration Local Currency February 23	
11.	28.03.23	DHC/LHR/WAPDA/GEN/you/23.050	Request Approval Change Designation Chief Engineer-DPM-A (Site) to Chief Coordinator K45	
12.	28.03.23	DHC/LHR/WAPDA/GEN/mkk/23.051	Request Termination NTC Telephone Numbers	
13.	29.03.23	DHC/LHR/WAPDA/GEN/mkk/23.052	Request for Issuance Multiple Entry Visa to Muhammad Zaman, Social-Resettlement Advisor-A	
14.	29.03.23	DHC/LHR/WAPDA/GEN/you/23.053	Request Approval Shifting M Hamza Baig Jr L14 to Sr Site Engineer (Tailrace, Outlet) L13.	
15.	31.03.23	DHC/LHR/WAPDA/GEN/aiq/23.054	Invoice (Remuneration) Foreign Currency Portion for February 2023-EURO	
16.	31.03.23	DHC/LHR/WAPDA/GEN/aiq/23.054	Invoice (Remuneration) Foreign Currency Portion for February 2023-JPY	
17.	31.03.23	DHC/LHR/WAPDA/GEN/aiq/23.055	Statement Reimbursable Expenses Foreign Currency Portion for February 2023-EURO	
18.	31.03.23	DHC/LHR/WAPDA/GEN/aiq/23.055	Statement Reimbursable Expenses Foreign Currency Portion for February 2023-JPY	
19.	31.03.23	DHC/LHR/WAPDA/GEN/aiq/23.055	Audit Payment Made to DHC (JV) for Period Oct. 2016 to Apr. 2020	
<b>Dasu office</b>				
20.	01.03.23	DHC/Dasu/WAPDA/GEN/you/23-259	2Security Arrangement for Travelling of CCECC Expatriate	
21.	01.03.23	DHC/Dasu/WAPDA/GEN/nhs/23-260	Payment of Project Allowance to 115 AHHS of Various Villages	
22.	01.03.23	DHC/Dasu/WAPDA/GEN/nhs/23-261	Non Receiving of SMR Allowances Cheques by the PAPS	
23.	01.03.23	DHC/Dasu/WAPDA/GEN/you/23-262	Security Arrangement for Travelling of CGGC Expatriate	
24.	01.03.23	DHC/Dasu/WAPDA/GEN/you/23-263	Security Arrangement for Travelling of CCECC Expatriate	
25.	01.03.23	DHC/Dasu/WAPDA/GEN/you/23-264	Security Arrangement for Travelling of MSC Expatriate	
26.	02.03.23	DHC/Dasu/WAPDA/GEN/myb/23-265	Security Arrangements for Travelling of DHC Expatriate (Mr.Hiroataka Koizumi & Mr.Okan Alper Koruk)	
27.	02.03.23	DHC/Dasu/WAPDA/GEN/myb/23-266	Security Arrangements for Travelling of DHC Expatriate (Mr.Neil Napoleon)	
28.	03.03.23	DHC/Dasu/WAPDA/GEN/you/23-267	Security Arrangement for Travelling of CGGC Expatriates	
29.	03.03.23	DHC/Dasu/WAPDA/GEN/you/23-268	Security Arrangement for Travelling of CCECC Expatriates	
30.	03.03.23	DHC/Dasu/WAPDA/GEN/you/23-269	Revised Security Arrangement for Travelling of CCECC Expatriates	
31.	03.03.23	DHC/Dasu/WAPDA/GEN/jf/23-270	Construction of BOX Culvert Causeway at Uchar Nullah	
32.	03.03.23	DHC/Dasu/WAPDA/GEN/you/23-271	Request for Arrangement of Security for the Travelling of DHC Expatriates form Islamabad to Neelam Jhelum Hydropower Project and Back as a Special Case	
33.	03.03.23	DHC/Dasu/WAPDA/GEN/nhs/23-272	Application Regarding Self-Managed Relocation (SMR)	
34.	05.03.23	DHC/Dasu/WAPDA/GEN/you/23-273	Revised Security Arrangement for Travelling of CCECC Expatriates	
35.	05.03.23	DHC/Dasu/WAPDA/GEN/you/23-274	Security Arrangement for Travelling of CGGC Expatriates	
36.	05.03.23	DHC/Dasu/WAPDA/GEN/you/23-275	Security Arrangement for Travelling of CCECC Expatriates	
37.	06.03.23	DHC/Dasu/WAPDA/GEN/rob/23-276	Request for Approval of Two days' Workshop with Religious Leaders (Imams Khateeb) for Creating Awareness on Women and Girls Education from and Islamic Perspective	
38.	06.03.23	DHC/Dasu/WAPDA/GEN/you/23-277	Security Arrangement for Travelling of CGGC Expatriates	
39.	06.03.23	DHC/Dasu/WAPDA/GEN/myb/23-278	Revised Security Arrangement for Travelling of DHC Expatriates (Mr.Neil Napoleon)	
40.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-279	Visit of Joint Team Shatial Nullah to Reservoir End Point Area-5	
41.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-280	Visit of Joint Team Shatial Nullah to Reservoir End Point Area-4	
42.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-281	Visit of Joint Team Shatial Nullah to Reservoir End Point Area-2	
43.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-282	Visit of Joint Team Shatial Nullah to Reservoir End Point Area-3	
44.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-283	Visit of Joint Team Shatial Nullah to Reservoir End Point Area-1	
45.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-284	Visit of Joint Team Shatial Limits to Shatial Nullah Area-5	
46.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-285	Visit of Joint Team Shatial Limits to Shatial Nullah Area-4	
47.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-286	Visit of Joint Team Shatial Limits to Shatial Nullah File-3 Part-A	
48.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-287	Visit of Joint Team Shatial Limits to Shatial Nullah Area-2	
49.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-288	Visit of Joint Team Shatial Limits to Shatial Nullah Area-1	
50.	07.03.23	DHC/Dasu/WAPDA/GEN/sad/23-289	Security Arrangement for Travelling of PCCC Expatriates	
51.	07.03.23	DHC/Dasu/WAPDA/GEN/myb/23-290	Security Arrangements for Travelling of DHC Expatriate ( Mr.Burhan Ario)	
52.	07.03.23	DHC/Dasu/WAPDA/GEN/myb/23-291	Security Arrangements for Travelling of DHC Expatriates ( Mr.Ario Asayama)	



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**Appendix E [13/20]**

Sr. No	Date	Letter No.	Subject	Remarks
53.	08.03.23	DHC/Dasu/WAPDA/GEN/myb/23-292	Security Arrangements for Travelling of DHC Expatriate (Mr. Neil Napoleon)	
54.	08.03.23	DHC/Dasu/WAPDA/GEN/myb/23-292	Security Arrangements for Travelling of DHC Expatriate (Mr. Neil Napoleon)	
55.	08.03.23	DHC/Dasu/WAPDA/GEN/nhs/23-293	Application Regarding Self-Managed Relocation (SMR)	
56.	08.03.23	DHC/Dasu/WAPDA/GEN/sad/23-294	Request for Review of GIS Report	
57.	08.03.23	DHC/Dasu/WAPDA/GEN/you/23-295	Security Arrangement for Travelling of CCECC Expatriates	
58.	08.03.23	DHC/Dasu/WAPDA/GEN/you/23-296	Security Arrangement for Travelling of CGGC Expatriates	
59.	08.03.23	DHC/Dasu/WAPDA/GEN/amr/23-297	Application Regarding Self-Managed Relocation (Mr. Raheem Dad)	
60.	08.03.23	DHC/Dasu/WAPDA/GEN/you/23-298	Security Arrangement for Travelling of CCECC Expatriates	
61.	08.03.23	DHC/Dasu/WAPDA/GEN/you/23-299	Sharing of Present Employee List along with Police Clearance Certificate data Working under DHPP	
62.	08.03.23	DHC/Dasu/WAPDA/GEN/you/23-300	Security Arrangement for Travelling of PCCC Expatriates	
63.	08.03.23	DHC/Dasu/WAPDA/GEN/you/23-301	Security Arrangement for Travelling of CGGC Expatriates	
64.	10.03.23	DHC/Dasu/WAPDA/GEN/you/23-302	Up-Dated Revenue Record of Kass Disposal Area-1 (Files-1 & 3)	
65.	10.03.23	DHC/Dasu/WAPDA/GEN/sad/23-303	Land Revenue Survey of New Additional Land for Areas at A-1 & A-2 at Zero Point KKH-01 (07-09M)	
66.	10.03.23	DHC/Dasu/WAPDA/GEN/myb/23-304	Security Arrangements for Travelling of DHC Expatriates (Mr. Masud Karim & Kato)	
67.	12.03.23	DHC/Dasu/WAPDA/GEN/sad/23-305	Request for Revenue Survey for New Additional Land of Solid Waste Area at Kaigah at RD 24k+24k+700.	
68.	13.03.23	DHC/Dasu/WAPDA/GEN/you/23-306	Security Arrangement for Travelling of CGGC Expatriates	
69.	13.03.23	DHC/Dasu/WAPDA/GEN/tm/23-307	MPR No.103 for the Month of February 2023 under Assignment-B	
70.	13.03.23	DHC/Dasu/WAPDA/GEN/you/23-308	Security Arrangement for Travelling of PCCC Expatriates	
71.	14.03.23	DHC/Dasu/WAPDA/GEN/you/23-309	Security Arrangement for Travelling of CCECC Expatriates	
72.	14.03.23	DHC/Dasu/WAPDA/GEN/you/23-310	Security Arrangement for Travelling of CGICOP Expatriates	
73.	14.03.23	DHC/Dasu/WAPDA/GEN/amr/23-311	Comments on Application Regarding Self-managed Relocation (Abdul Ghani s/O Dosham khan)	
74.	14.03.23	DHC/Dasu/WAPDA/GEN/amr/23-312	Correction in Record Against Application Submitted by Gul Zada So Afsar Khan RO Siglo Seo District Kohistan	
75.	15.03.23	DHC/Dasu/WAPDA/GEN/you/23-313	Security Arrangement for Travelling of CGGC Expatriates	
76.	15.03.23	DHC/Dasu/WAPDA/GEN/myb/23-314	Security arrangement for traveling of DHC Expatriate (Mr. Kazuo Kato)	
77.	15.03.23	DHC/Dasu/WAPDA/GEN/sad/23-315	Extraction of Sand by Locals Along KKH-01 (K-7-K8)	
78.	16.03.23	DHC/Dasu/WAPDA/GEN/you/23-316	Security Arrangement for Traveling of DHC Expatriate (Mr. T. Kan)	
79.	16.03.23	DHC/Dasu/WAPDA/GEN/you/23-317	Security Arrangement for Travelling of CGGC Expatriates	
80.	16.03.23	DHC/Dasu/WAPDA/GEN/you/23-318	Security Arrangement for Travelling of CCECC Expatriates	
81.	16.03.23	DHC/Dasu/WAPDA/GEN/you/23-319	Security Arrangement for Travelling of PCCC Expatriates	
82.	17.03.23	DHC/Dasu/WAPDA/GEN/you/23-320	Security Arrangement for Traveling of DHC Expatriate (Mr. Nishimiya, T Kan,Ali Onur)	
83.	18.03.23	DHC/Dasu/WAPDA/GEN/you/23-321	Security arrangement for traveling of DHC Expatriate (Mr. Hiroataka Koizumi)	
84.	18.03.23	DHC/Dasu/WAPDA/GEN/you/23-322	Security Arrangement for Traveling of DHC Expatriate (Mr. Fidencio Mendez)	
85.	18.03.23	DHC/Dasu/WAPDA/GEN/you/23-323	Security Arrangement for Travelling of CGGC Expatriates	
86.	20.03.23	DHC/Dasu/WAPDA/GEN/you/23-324	Security Arrangement for Travelling of CGGC Expatriates	
87.	18.03.23	DHC/Dasu/WAPDA/GEN/hn/23-325	Request for Hydraulic Design Data of Basha Dam	
88.	20.03.23	DHC/Dasu/WAPDA/GEN/you/23-326	Security Arrangement for Travelling of CCECC Expatriates	
89.	21.03.23	DHC/Dasu/WAPDA/GEN/mmk/23-327	Training on Roller Compacted Concrete (RCC) and OHS	
90.	22.03.23	DHC/Dasu/WAPDA/GEN/myb/23-328	Security Arrangements for travelling of DHC Expatriates (Mr.J.Fukuwatari)	
91.	22.03.23	DHC/Dasu/WAPDA/GEN/myb/23-329	Security Arrangements for travelling of DHC Expatriates (Mr. Serkan)	
92.	22.03.23	DHC/Dasu/WAPDA/GEN/myb/23-330	Security Arrangements for travelling of DHC Expatriates (Mr. Masud Karim)	
93.	22.03.23	DHC/Dasu/WAPDA/GEN/nhs/23-331	Approval of 01 affected Households of Mr. Essa wall Summar Nullah Missing in Original Household List	
94.	22.03.23	DHC/Dasu/WAPDA/GEN/you/23-332	Security Arrangement for Travelling of CGGC Expatriates	
95.	23.03.23	DHC/Dasu/WAPDA/GEN/you/23-333	Security Arrangement for Travelling of CCECC Expatriates	
96.	23.03.23	DHC/Dasu/WAPDA/GEN/you/23-334	Security Arrangement for Travelling of PCCC Expatriates	
97.	23.03.23	DHC/Dasu/WAPDA/GEN/you/23-335	Security Arrangement for Travelling of CCECC Expatriates	
98.	23.03.23	DHC/Dasu/WAPDA/GEN/you/23-336	Revised Security Arrangement for Travelling of CCECC Expatriates	
99.	25.03.23	DHC/Dasu/WAPDA/GEN/you/23-337	Security Arrangement for Travelling of DHC Expatriates	
100.	23.03.23	DHC/Dasu/WAPDA/GEN/amr/23-338	Compensation Payment of Community Mosques Located in already Acquired DHPP Area	
101.	23.03.23	DHC/Dasu/WAPDA/GEN/nhs/23-338	Request for Approval of Funds for Commercial Structure Situated at Various Locations	
102.	25.03.23	DHC/Dasu/WAPDA/GEN/you/23-340	Security Arrangement for Travelling of CGICOP Expatriates	
103.	25.03.23	DHC/Dasu/WAPDA/GEN/you/23-341	Security Arrangement for Travelling of PCCC Expatriates	
104.	25.03.23	DHC/Dasu/WAPDA/GEN/zic/23-342	Request for Performance Review of Newly Hired Traffic Engineer at DHPP	
105.	25.03.23	DHC/Dasu/WAPDA/GEN/you/23-343	Security Arrangement for Travelling of CGGC Expatriates	
106.	26.03.23	DHC/Dasu/WAPDA/GEN/you/23-344	Security Arrangement for Travelling of CCECC Expatriates	
107.	27.03.23	DHC/Dasu/WAPDA/GEN/you/23-345	Security Arrangement for Travelling of CCECC Expatriates	
108.	27.03.23	DHC/Dasu/WAPDA/GEN/you/23-346	Security Arrangement for the Travelling of CGGC Expatriates	
109.	27.03.23	DHC/Dasu/WAPDA/GEN/you/23-347	Security Arrangements for Travelling of GEPC Expatriates	
110.	27.03.23	DHC/Dasu/WAPDA/GEN/you/23-348	Security Arrangement for Travelling of CCECC Expatriates	
111.	27.03.23	DHC/Dasu/WAPDA/GEN/you/23-349	Security Arrangements for Travelling of DHC Expatriates a Special Case ( Mr.Hironobu Nishimiya & Mr.Tateki Kan)	
112.	28.03.23	DHC/Dasu/WAPDA/GEN/you/23-350	Revised Security Arrangement for Travelling of CCECC Expatriates	
113.	29.03.23	DHC/Dasu/WAPDA/GEN/you/23-351	Security Arrangement for Travelling of PCCC Expatriates	
114.	29.03.23	DHC/Dasu/WAPDA/GEN/you/23-352	Security Arrangements for Travelling of DHC Expatriate ( Mr.Neil Napoleon )	
115.	29.03.23	DHC/Dasu/WAPDA/GEN/you/23-353	Security Arrangement for Travelling of CGGC Expatriates	
116.	29.03.23	DHC/Dasu/WAPDA/GEN/you/23-354	Security Arrangement for Travelling of GEPC Expatriates	
117.	30.03.23	DHC/Dasu/WAPDA/GEN/you/23-355	Revised Security Arrangement for Travelling of DHC Expatriates	

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**Appendix E [14/20]**

Sr. No	Date	Letter No.	Subject	Remarks
118.	30.03.23	DHC/Dasu/WAPDA/GEN/nhs/23-355	Payment of Project Allowance to 100 AHHS of Various Villages	
119.	31.03.23	DHC/Dasu/WAPDA/GEN/you/23-356	Security Arrangement for Travelling of CGGC Expatriates	
120.	31.03.23	DHC/Dasu/WAPDA/GEN/you/23-357	Security Arrangement for Travelling of CCECC Expatriates	
<b>1.2. Dasu-RAR-01</b>				
<b>Dasu office</b>				
121.	17.03.23	DHC/Dasu/WAPDA/RAR-01/cad/23-032	Contractor's Cost Claim Pertaining to Extension of Guarantees and Insurance Policies	
122.	30.03.23	DHC/Dasu/WAPDA/RAR-01/cad/23-033	Contractors Interim Cost Claim (Quantification) for on- Site Management Overhead Cost During Extended Time (EOT No.1 and Eot No.2)	
<b>1.3. Dasu-RAR-02</b>				
<b>Dasu office</b>				
123.	03.03.23	DHC/Dasu/WAPDA/RAR-02/CAD/23-033	Explanatory Note on Engineers Recommendation for Termination of the Contract	
124.	15.03.23	DHC/Dasu/WAPDA/RAR-02/CAD/23-040	Proposal of Offices for the Engineer and Employer at Barseen Camp	
<b>1.4. Dasu-KKH-01</b>				
<b>Dasu office</b>				
125.	03.03.23	DHC/Dasu/WAPDA/KKH-01/CAD/23-077	Adjustment of Khyber Pakhtunkhwa Sales Tax (KPST) from the Contract Price	
126.	10.03.23	DHC/Dasu/WAPDA/KKH-01/bth/23-083	Request for Obtaining NOC from NHA regarding KKH-01 Tunnel's CB Design and Specification.	
127.	10.03.23	DHC/Dasu/WAPDA/KKH-01/CAD/23-084	Interim Payment Certificate No. 30	
128.	14.03.23	DHC/Dasu/WAPDA/KKH-01/hh/23-090	Sample Delivery Schedule of Project Material to the 3rd Party Laboratories	
129.	17.03.23	DHC/Dasu/WAPDA/KKH-01/CAD/23-097	Contractor's Cost Claim Pertaining to Extension of Guarantees and Insurance Policies.	
130.	18.03.23	DHC/Dasu/WAPDA/KKH-01/nak/23-101	Damages to SCO Assets during Construction of Relocated KKH	
131.	19.03.23	DHC/Dasu/WAPDA/KKH-01/cad/23-104	Request for provision of Bitumen Grade 60-70 Bulk Rates from Attock Petroleum for the purpose of Price Adjustment	
<b>1.5. Dasu-KKH-02</b>				
<b>Dasu office</b>				
132.	01.03.23	DHC/Dasu/WAPDA/KKH-02/CAD/23-046	Contractors Submission of Commercial Proposal for Construction of Tunnels and Bridges	
133.	05.03.23	DHC/Dasu/WAPDA/KKH-01/OHS/23-049	KKH-02-Initial Incident Report - Level-4	
134.	04.03.23	DHC/Dasu/WAPDA/KKH-01/you/23-050	Request for Increase of Security Forces on Site	
135.	07.03.23	DHC/Dasu/WAPDA/KKH-01/ohs/23-054	Incident Alert of Level-4 Fatal incident Happened on 04-03-2023	
136.	08.03.23	DHC/Dasu/WAPDA/KKH-01/ohs/23-056	Request to District Commissioner (DC) Office Dasu Kohistan for Issuance NOC for Renewal of Explosive License No KPK.SP-883-E	
137.	10.03.23	DHC/Dasu/WAPDA/KKH-01/cad/23-057	Interim Payment Certificate No# 05	
138.	24.03.23	DHC/Dasu/WAPDA/KKH-02/TNK/23-075	Priority of Geotechnical Investigation for Tunnels and Landslide	
139.	27.03.23	DHC/Dasu/WAPDA/KKH-02/OHS/23-077	23.03.27-(077)-KKH-02-Detail Incident Investigation Report of Level-4 Fatal incident Happened at K54+180	
<b>1.6. Dasu-TL-01</b>				
<b>Dasu office</b>				
140.	01.03.23	DHC/Dasu/WAPDA/TL-01/cad/23-024	Request for Release of Performance Guarantee	
141.	03.03.23	DHC/Dasu/WAPDA/TL-01/mrz/23-026	Nomination of Representative for Checking C2 Power House Neelum Jhelum	
142.	07.03.23	DHC/Dasu/WAPDA/TL-01/cad/23-028	Principle of Claim Project Manager Assessment- Contractors Claim for Re-Handing of Excavated Material Within the Grid Station	
143.	27.03.23	DHC/Dasu/WAPDA/TL-01/cad/23-038	Extension of Advance Payment Guarantee	
<b>1.7. Dasu-MW-01</b>				
<b>Dasu Office</b>				
144.	01.03.23	DHC/Dasu/WAPDA/MW-01/nk/23-173	Recommendation letter for Custom Clearance of the Imported Equipment of the Gini Natural Pozzolan Processing Plant	
145.	01.03.23	DHC/Dasu/WAPDA/MW-01/hh/23-176	Sample Delivery Schedule of Project Material to the 3rd Party Laboratories	
146.	02.03.23	DHC/Dasu/WAPDA/MW-01/nk/23-177	Request for Appointment of Mr.Burhan ARIQZ (Electrical Engineer) for Preparation of Bidding Documents of HFO Plants	
147.	02.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-179	Request to Provide the PESCO Billing Rates in Respect of VO-06	
148.	03.03.23	DHC/Dasu/CGGC/MW-01/you/23-182	Application	
149.	05.03.23	DHC/Dasu/WAPDA/MW-01/zic/23-186	Submission of Utilization Record of Coarse and Fine Aggregates till December 2022	
150.	08.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-190	Question(s) for Dispute Board's Non-Binding Opinion Under GC Sub-Clause 20.4	
151.	10.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-191	Extension of CAR and Third-Party Insurance Policy	
152.	09.03.23	DHC/Dasu/WAPDA/MW-01/zic/23-192	Submission of Utilization Record of Coarse and Fine Aggregate for December 2022	
153.	09.03.23	DHC/Dasu/WAPDA/MW-01/you/23-193	Visa Invitation Letter	
154.	09.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-198	Claim No. 1 - Engineer's Principle Response to Head Office Overheads	
155.	12.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-202	-Employer's Assistance and Support in Custom Clearance	
156.	12.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-203	Contractor's Response to Enhancement of Security of Expatriates	
157.	13.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-204	Attested Translation of Documents	
158.	14.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-208	Enhancement of Security of Expatriates -Armoured Vehicles	
159.	17.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-216	Request to Provide the PESCO Billing Rates in Respect of VO-06	
160.	17.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-218	Question(s) for Dispute Board's Non-Binding Opinion Under GC Sub-Clause 20.2 Crushing & Batching Plants	
161.	20.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-223	Site Security, Permission and Record Keeping	
162.	20.03.23	DHC/Dasu/WAPDA/MW-01/cad/23-235	Purchase of Armored Vehicle for Enhancement of Security of Expatriates	
163.	27.03.23	DHC/Dasu/WAPDA/MW-01/shj/23-236	Interim Payment Certificate No # 36- for the Month of Jan-2023	
164.	27.03.23	DHC/Dasu/WAPDA/MW-01/ca/23-237	Establishment of Lay-By Area at Kuzabanda	
165.	27.03.23	DHC/Dasu/WAPDA/MW-01/you/23-238	Security Issues at Gini Camp Chilas	
166.	31.03.23	DHC/Dasu/WAPDA/MW-01/you/23-249	Claim No.1- Engineers Principle Response to Prolongation Costs	
<b>1.8 Dasu-MW-02</b>				

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Sr. No	Date	Letter No.	Subject	Remarks
<b>Dasu Office</b>				
167.	08.03.23	DHC/Dasu/WAPDA/MW-02/ohs/23-075	Request to District Commissioner (DC) Office Dasu Kohistan for Issuance NOC for Renewal of Explosive License No KPK.SP-866-E	
168.	08.03.23	DHC/Dasu/WAPDA/MW-02/SK/23-076	Submission of Design Documents of HSS Submit Schedule in 2023 (HSS)	
169.	09.03.23	DHC/Dasu/WAPDA/MW-02/cad/23-077	Reminder - Extension of Insurance Policies due to the Extension of Time	
170.	10.03.23	DHC/Dasu/WAPDA/MW-02/cad/23-081	Extension of CAR and Third-Party Insurance Policy	
171.	12.03.23	DHC/Dasu/WAPDA/MW-02/cad/23-084	Contractor's Response to Enhancement of Security of Expatriates (Armored Vehicles)	
172.	12.03.23	DHC/Dasu/WAPDA/MW-02/cad/23-086	Employer's Assistance and Support in Custom Clearance	
173.	14.03.23	DHC/Dasu/WAPDA/MW-02/cad/23-088	Enhancement of Security of Expatriates - Armoured Vehicles	
174.	15.03.23	DHC/Dasu/WAPDA/MW-02/ohs/23-089	Request for Issuance of Recommendation Letter for the Renewal of Temporary Explosive License No. KPK.SP-866-E	
175.	27.03.23	DHC/Dasu/WAPDA/MW-02/CA/23-099	MW-02-Purchase of Armoured Vehicles for Enhancement of Security Expatriates	
176.	27.03.23	DHC/Dasu/WAPDA/MW-02/CA/23-100	Interim Payment Certificate No # 36- for the Month of Jan-2023	
177.	27.03.23	DHC/Dasu/WAPDA/MW-02//23-101	23.03.27-(101)-MW-02-Justification for Issuance of Interim payment Certificate NO # 36	
<b>1.9 Dasu LBRV-11</b>				
<b>Dasu Office</b>				
178.	11.03.23	DHC/Dasu/WAPDA/LBRV-11/infra/23-011	Non-Handed Over Resettlement Site Khoshe Site-02 Link-2	
179.	14.03.23	DHC/Dasu/WAPDA/LBRV-11/infra/23-012	Feasibility of Water Seeping Out Leaking out from K9 Tunnel	
<b>1.10 Dasu-LBRV-12</b>				
<b>Dasu office</b>				
180.	03.03.23	DHC/Dasu/WAPDA/LBRV-12/pls/23-005	Submission of Final Extension of Time	
<b>1.12 Dasu-PCI-01R</b>				
<b>Dasu office</b>				
181.	06.03.23	DHC/Dasu/WAPDA/PCI-01R/CAD/23-063	Submission of Ten (10) Sets of Bidding Documents	
<b>1.13 Dasu PCI-02</b>				
<b>Dasu office</b>				
182.	01.03.23	DHC/Dasu/WAPDA/PCI-02/CAD/23-007	Evaluation Report on Pre-Qualification of Applications (Revision-02)	
183.	23.03.23	DHC/Dasu/WAPDA/PCI-02/CAD/23-008	Evaluation of Pre-Qualification Applications -Clarification No. 02	
<b>1.14 Dasu EM-01</b>				
<b>Dasu Office</b>				
184.	01.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-058	Follow Up for Income and Sales Taxes Exemption Certificates of 2nd Shipment	
185.	02.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-061	Reminder- Establishment of Dispute Board (DB)	
186.	02.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-062	Clarification on Employers Agreement with Local land Owners-Claim No.C-05	
187.	03.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-064	Request for Indices Used in Other WAPDA Contracts (Warsak & Mangla Refurbishment Projects) for Contract Price Adjustment	
188.	03.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-065	Reminder- Establishment of Dispute Board (DB)	
189.	08.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-073	Request for Delivery Order to Shipping Line of 1st Shipment	
190.	09.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-074	Operation and Maintenance of Vehicles	
191.	09.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-075	Application for Permits in WAPDA Ghazi Barotha Warehouse for 1st Shipment	
192.	10.03.23	DHC/Dasu/WAPDA/EM-01/CAD/23-076	Request for Handing over of Stamped Original Bill of Lading of Shipment No. 1	
193.	15.03.23	DHC/Dasu/WAPDA/EM-01/sn/23-079	Reminding of Basic Deign Parameters for 765kV Equipment and Shunt Reactor Capacity	
194.	16.03.23	DHC/Dasu/WAPDA/EM-01/cad/23-084	Final Goods Declaration of Shipment No. 1 and Request to Release Payment of IPC NO. 2	
195.	16.03.23	DHC/Dasu/WAPDA/EM-01/cad/23-085	Follow-Up for Payment of IPC No. 02 & Contractor's Notice of Right to Suspend	
196.	19.03.23	DHC/Dasu/WAPDA/EM-01/cad/23-089	Follow-up for Income and Sales Taxes Exemption Certificates of 2nd Shipment	
197.	21.03.23	DHC/Dasu/WAPDA/EM-01/cad/23-090	Interim Payment Certificate (IPC) No. 03	
198.	21.03.23	DHC/Dasu/WAPDA/EM-01/cad/23-092	Contractor's Request Regarding Outstanding WHT and ST Issues	
199.	22.03.23	DHC/Dasu/WAPDA/EM-01/cad/23-093	Formal Application for Permits in Ghazi Barotha Warehouse for 1st Shipment	
<b>1.16 Dasu-LADP</b>				
<b>Dasu Office</b>				
200.	04.03.23	DHC/Dasu/WAPDA/LADP/ys/23-005	GIS Data of the Resettlements Prepared up to Date	
<b>1.17 Dasu-SP-01</b>				
<b>1.18 Dasu-RB-14</b>				
201.	11.03.23	DHC/Dasu/WAPDA/RB-14/mfn/23-002	Appointment of Adjudicator - Draft Adjudicator Agreement	
<b>2. To Contractors</b>				
<b>2.1 RAR-01</b>				
<b>Dasu Office</b>				
1.	02.03.23	DHC/Dasu/CCECC/RAR-01/ cad/23-027	Notice of Claim- Increase in Rate of Sales Tax from 17% to 18%	
2.	04.03.23	DHC/Dasu/CCECC/RAR-01/ cad/23-028	Extension of the Contractors Workmen's Compensation (WC) & Contractors All Risk (CAR) Insurance Policy	
3.	08.03.23	DHC/Dasu/CCECC/RAR-01/ zic/23-029	Joint Site Inspection of WAPDA and DHC	
4.	09.03.23	DHC/Dasu/CCECC/RAR-01/ bth/23-030	Work Progress Enhancement of Komila Bypass and RAR-01	
5.	10.03.23	DHC/Dasu/CCECC/RAR-01/ bth/23-031	Topographic Survey of Kass Dumping Area at K2+650	
<b>2.2 RAR-02</b>				
<b>Dasu office</b>				
6.	06.03.23	DHC/Dasu/CGGC/RAR-02/CAD/23-034	Notice of Claim- Exceptionally Adverse Climatic Conditions	
7.	06.03.23	DHC/Dasu/CGGC/RAR-02/okk/23-035	Slope Slide in 37+760-37+790	
8.	08.03.23	DHC/Dasu/CGGC/RAR-02/cad/23-036	Selection of Sole Member for the Dispute Board	
9.	13.03.23	DHC/Dasu/CGGC/RAR-02/cad/23-037	Claim for Extension of Bank Guarantees-Translation of Documents	
10.	13.03.23	DHC/Dasu/CGGC/RAR-02/cad/23-038	Claim for Blast Incident- Submission of Additional Particulars	

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**Appendix E [16/20]**

Sr. No	Date	Letter No.	Subject	Remarks
11.	14.03.23	DHC/Dasu/CGGC/RAR-02/cad/23-039	Extension of Advance Payment Guarantees	
12.	15.03.23	DHC/Dasu/CGGC/RAR-02/OKK/23-040	Proposal of Offices for the Engineer and Employer at Barseen Camp	
13.	25.03.23	DHC/Dasu/CGGC/RAR-02/OKK/23-041	Notice of Work Stoppage by Locals at Gayal Work Area	
14.	30.03.23	DHC/Dasu/CGGC/RAR-02/cad/23-042	Requirement of Additional Particulars for Claim on Account of Delayed Commissioning - Extension of Bank Guarantees	
15.	27.03.23	DHC/Dasu/CGGC/RAR-02/cad/23-043	Final Reminder in Respect of the Extension of Advance Payment Guarantees	
16.	28.03.23	DHC/Dasu/CGGC/RAR-02/Okk/23-044	Slope Slide Between Kms 37+760 - 37+790	
<b>2.3 KKH-01</b>				
<b>Dasu Office</b>				
17.	02.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-074	Additional Structure for Improvement of Khushe Access Road VO-008	
18.	02.03.23	DHC/Dasu/CCECC/KKH-01/cad/23-075	Notice of Claim- Increase in Rate of Sales Tax from 17% to 18%	
19.	03.03.23	DHC/Dasu/CCECC/KKH-01/cad/23-076	Enhancement of Security of Expatriates	
20.	03.03.23	DHC/Dasu/CCECC/KKH-01/gnil/23-078	Site Observation at K9 Invert Arch at K9+191.5-K9+198.00	
21.	04.03.23	DHC/Dasu/CCECC/KKH-01&RAR-01/nak/23-079	Progress Review Meeting	
22.	04.03.23	DHC/Dasu/CCECC/KKH-01/hh/23-080	Approval of Semi-Circular Drain Pipe Manufactured by Beijing Oriental Yuhong	
23.	09.03.23	DHC/Dasu/CCECC/KKH-01/nk/23-081	The Engineer's Comments on Petrographic Analysis of Aggregate Samples Taken from Barseen (Pvt) Crushing Plant	
24.	09.03.23	DHC/Dasu/CCECC/KKH-01/hh/23-082	The Engineer's Comments on Petrographic Analysis of Rock Samples Taken from Kaigah Quarry	
25.	11.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-085	Construction of Crushing Plant at Chuchang	
26.	11.03.23	DHC/Dasu/CCECC/KKH-01/infra/23-086	Unauthorized and Uninformed Use of Resettlement Village Site (Choochang-1)	
27.	12.03.23	DHC/Dasu/CCECC/KKH-01/ohs/23-087	Provision of Report Regarding Explosive Material by all Chinese Companies Having EL-03	
28.	13.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-088	Construction of Uchar Batching Plant	
29.	14.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-089	Completion of Rock Reconstruction Work at K7+000 Area for Removal of Temporary Access inside the Project Colony	
30.	14.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-091	Installation of the Convergence Monitoring Points in Logro-A (K9) Tunnel	
31.	15.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-092	Installation of the Convergence Monitoring Points in Dasu-02 (K4) Tunnel	
32.	15.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-093	Installation of the Convergence Monitoring Points in Dogah (K23) Tunnel	
33.	15.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-094	Installation of the Convergence Monitoring Points in Logro-B (K11) Tunnel	
34.	16.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-095	KKH-02 Contractor's Excavation and Blasting Activities Caused to Interruption and Hindrance in Dogah Tunnel Construction	
35.	16.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-096	Environmental - Joint Site Inspection of WAPDA and DHC	
36.	17.03.23	DHC/Dasu/CCECC/KKH-01/hh/23-098	Approval of MS Marflex Building Materials as a Source of Geotextile Products	
37.	17.03.23	DHC/Dasu/CCECC/KKH-01/hh/23-099	Approval of Turkplast (Alif Industry) as a Source of HOPE, UPVC, PPRC & PVC Products	
38.	18.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-100	Detail Design of Sedimentation Tank of K-6 Batching Plant	
39.	18.03.23	DHC/Dasu/CCECC/KKH-01/hh/23-102	Approval of Laboratory Equipment Manufacturer & Supplier Kadeer Brothers Limited (KBL).	
40.	18.03.23	DHC/Dasu/CCECC/KKH-01/nk/23-103	Comments on Third Party Laboratory Tests Results of the Reinforcement Steel Bars Manufactured by PAK Steel	
41.	19.03.23	DHC/Dasu/CCECC/KKH-01/cad/23-105	Interference and Delay at Dogah Tunnel and Kaigah Bypass and Delay at Dogah Tunnel and Kaigah Bypass	
42.	19.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-106	Approval of Breakup of the Items for Bill No. VO-005G3	
43.	19.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-107	Washing of Concrete Transit Mixer in Choochang Nullah	
44.	20.03.23	DHC/Dasu/CCECC/KKH-01/infra/23-108	Unauthorized Dumping of Excavated Material at Site	
45.	20.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-109	Detail Design of Sedimentation Tank of K-9 Tunnel	
46.	20.03.23	DHC/Dasu/CCECC/KKH-01/you/23-110	Request for Security Forces at New Chinese Camp at Uchar	
47.	20.03.23	DHC/Dasu/CCECC/KKH-01/nak/23-111	Completion of Rock Reconstruction work at K7+00 Area for Removal of Temporary access inside the Project Colony	
48.	20.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-112	Approval of Construction Environmental Action Plan (CEAP)	
49.	21.03.23	DHC/Dasu/CCECC/KKH-01/nak/23-113	Disruption in Progress of Slope Protection Works due to Unavailability of Material on Zero Point	
50.	26.03.23	DHC/Dasu/CCECC/KKH-01/zic/23-114	Engineer Reply on ES-PAK Laboratory Environmental Approval	
51.	27.03.23	DHC/Dasu/CCECC/KKH-01/mih/23-115	Improper Working on Retaining Wall at Khushe Access Road	
52.	28.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-116	Security Administrative Issue Related to Shaal Camp-CCECC	
53.	30.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-117	Requirement of Security Administrative Items	
54.	30.03.23	DHC/Dasu/CCECC/KKH-01/bth/23-118	Security Administrative Issue	
55.	31.03.23	DHC/Dasu/CCECC/KKH-01/cad/23-119	Variation 009- Relocation of Existing Water Supply in Uchar Area	
<b>2.4 Dasu-KKH-02</b>				
<b>Dasu Office</b>				
56.	02.03.23	DHC/Dasu/CGGC/KKH-02/mnd/23-047	Landslides on Slopes Between Relocated KKH-02 and the Existing KKH	
57.	04.03.23	DHC/Dasu/CGGC/KKH-02/OHS/23-048	Suspension of Work at KKH-02 Contract due to Fatality Incident	
58.	06.03.23	DHC/Dasu/CGGC/KKH-02/CAD/23-051	Notice of Claim for Disruption of Works by Landowner	
59.	06.03.23	DHC/Dasu/CGGC/KKH-02/CAD/23-052	Notice of Claim- Exceptionally Adverse Climatic Conditions	
60.	08.03.23	DHC/Dasu/CGGC/KKH-02/CAD/23-053	Selection of Sole Member for the Dispute Board	
61.	08.03.23	DHC/Dasu/CGGC/KKH-02/CAD/23-055	Engineer's Instruction for the Execution of Variation KKH-02 VO-001	
62.	12.03.23	DHC/Dasu/CGGC/KKH-02/ohs/23-058	Provision of Report Regarding Explosive Material by all Chinese Companies Having EI-03	
63.	13.03.23	DHC/Dasu/CGGC/KKH-02/cad/23-059	Claim for Extension of Bank Guarantees-Translation of Documents	
64.	14.03.23	DHC/Dasu/CGGC/KKH-02/Okk/23-060	Blasting and Excavation Activities at Km 25+200 of KKH	
65.	14.03.23	DHC/Dasu/CGGC/KKH-02/Okk/23-061	Revised Design for K31 Area	
66.	15.03.23	DHC/Dasu/CGGC/KKH-02/Okk/23-062	Submission of the Technical Proposal for the Varied Tunnels and Bridges	

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Sr. No	Date	Letter No.	Subject	Remarks
67.	15.03.23	DHC/Dasu/CGGC/KKH-02/Okk/23-063	Traffic Management along Existing KKH	
68.	18.03.23	DHC/Dasu/CGGC/KKH-02/Okk/23-064	Request for Approval of Plan and Profile Drawings of Varied Tunnels and Bridges	
69.	20.03.23	DHC/Dasu/CGGC/KKH-02/DPM/23-065	Resubmission of Commercial Proposal VO-002	
70.	19.03.23	DHC/Dasu/CGGC/KKH-02/zic/23-066	Submission of Fuel Storage License	
71.	20.03.23	DHC/Dasu/CGGC/KKH-02/you/23-067	Request for Increase of Security Forces on Site	
72.	20.03.23	DHC/Dasu/CGGC/KKH-02/you/23-068	Occurrence - Incident Report	
73.	22.03.23	DHC/Dasu/CGGC/KKH-02/OKK/23-069	Implementation of Traffic Closure for KKH-02 along the Existing KKH and Installation of Traffic Closure Sign Boards	
74.	24.03.23	DHC/Dasu/CGGC/KKH-02/DPM/23-070	Design Review and Construction of Summer Bridge Variation Order No VO-002B	
75.	24.03.23	DHC/Dasu/CGGC/KKH-02/DPM/23-071	Design Review and Construction of Gobar Bridge Variation Order No VO-002A	
76.	24.03.23	DHC/Dasu/CGGC/KKH-02/DPM/23-072	Design Review and Construction of Lacchi Tunnel Variation Order No VO-002C	
77.	24.03.23	DHC/Dasu/CGGC/KKH-02/TNT/23-073	Progress of Geological Investigations for Six Bridges	
78.	24.03.23	DHC/Dasu/CGGC/KKH-02/DPM/23-074	Engineer's Instruction for Execution of Variation VO-002D (Design Review and Construction of Looter Bridge)	
79.	30.03.23	DHC/Dasu/CGGC/KKH-02/cad/23-076	Requirement of Additional Particulars for Claim on Account of Delayed Commissioning - Extension of Bank Guarantees	
80.	27.03.23	DHC/Dasu/CGGC/KKH-02/OHS/23-078	Failure to Implement ICAP Recommendation and Agreed Conditions for Resumption of KKH-02 Works	
81.	27.03.23	DHC/Dasu/CGGC/KKH-02/OHS/23-079	Warning on Transporting Explosive Material in an Unauthorized Vehicle	
82.	28.03.23	DHC/Dasu/CGGC/KKH-02/OKK/23-080	Implementation of Traffic Closure for KKH-02 along the Existing KKH	
83.	29.03.23	DHC/Dasu/CGGC/KKH-02/OKK/23-081	Road Closure Time Graph of KKH	
84.	29.03.23	DHC/Dasu/CGGC/KKH-02/zic/23-082	Submission of Revised Contractor Environmental Action Plan CEAP for KKH-02	
85.	29.03.23	DHC/Dasu/CGGC/KKH-02/OHS/23-083	Final Warning to Chief Engineer Noncompliance to OHS Contractual Obligation	
86.	29.03.23	DHC/Dasu/CGGC/KKH-02/OHS/23-084	Survey Team Leader Termination of Services	
87.	29.03.23	DHC/Dasu/CGGC/KKH-02/OHS/23-085	Final Warning to Project Manager Noncompliance to OHS Contractual Obligation	
88.	30.03.23	DHC/Dasu/CGGC/KKH-02/Okk/23-086	Service Roads for Additional 8 Tunnels and 6 Big Bridges	
89.	30.03.23	DHC/Dasu/CGGC/KKH-02/Okk/23-07	Preparatory Works Cost Breakdown	
<b>2.5 Dasu TL-01</b>				
<b>Dasu Office</b>				
90.	01.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-022	Request for Replacement of Roof Treatment Concrete Tiles with Plain Cement Concrete for Control House Building	
91.	01.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-023	Delay in the Equipment Installation at Grid Station	
92.	01.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-025	Row Issue at Lower Kohistan and Palas Area	
93.	06.03.23	DHC/Dasu/PCCC/TL-01/zic/23-027	Re-Submission of Monthly HSE Report NO.75 for the Month of January 2023	
94.	10.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-029	RoW Issues at Lower Kohistan and Pallas Area	
95.	12.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-030	Absence of Contractor's Key Representatives from Site.	
96.	13.03.23	DHC/Dasu/PCCC/TL-01/cad/23-031	Notice to Claim-Increase of GST rate from 17% to 18%	
97.	18.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-033	Revised Drawing of Access Road for Grid Station.	
98.	18.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-034	Shifting of Panels and Switchgear Equipment at Grid Station	
99.	18.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-035	Mobilization of Stringing and Erection Team at Site	
100.	26.03.23	DHC/Dasu/PCCC/TL-01/mrz/23-036	Absence of Contractor s PM-DPM Stringing Erection Team at Transmission Line and Equipment Installation at Grid Station	
101.	27.02.23	DHC/Dasu/PCCC/TL-01/zic/23-037	Reply on Submission of Water Quality Test Report	
102.	28.03.23	DHC/Dasu/PCCC/TL-01/zic/23-039	-Mobilization of Tower Erection Stringing Team at Teyal Maidan form T-193A to T-201A	
<b>2.6 Dasu MW-01</b>				
<b>Dasu Office</b>				
103.	01.03.23	DHC/Dasu/CGGC/MW-01/dn/23-172	Drawing Issue for Construction- Diversion Tunnel Revision B Line at Tunnel Bottom	
104.	01.03.23	DHC/Dasu/CGGC/MW-01/JF/23-174	Measures for Seepage from Right Bank Diversion Channel	
105.	01.03.23	DHC/Dasu/CGGC/MW-01/AO/23-175	Minutes of Weekly Progress Review Meeting Held on 21st February 2023	
106.	02.03.23	DHC/Dasu/CGGC/MW-01/nk/23-178	The Engineers Comments on the Source 1 Natural Pozzolan XRD and Petrographic Analysis Test Results	
107.	02.03.23	DHC/Dasu/CGGC/MW-01/OHS/23-180	Submission of Monthly OHS AFIs Without Specifying Date of Inspection	
108.	02.03.23	DHC/Dasu/CGGC/MW-01/cad/23-181	Enhancement of Security of Expatriates	
109.	02.03.23	DHC/Dasu/CGGC/MW-01/hur/23-183	Deficiencies in Tunnel Excavation and Support Works	
110.	04.03.23	DHC/Dasu/CGGC/MW-01/zua/23-184	Reminder to Commence Work on Security Administrative Issues Related to MW-01	
111.	04.03.23	DHC/Dasu/CGGC/MW-01/nk/23-185	The Contractors Request to Use RCC Concrete Setting Time Retarding Admixture CYC GK-4A in CVC Concretes	
112.	07.03.23	DHC/Dasu/CGGC/MW-01/cad/23-187	Extension of Insurance Policies	
113.	07.03.23	DHC/Dasu/CGGC/MW-01/AO/23-188	Minutes of Weekly Progress Review Meeting Held on 1st March 2023	
114.	08.03.23	DHC/Dasu/CGGC/MW-01/AO/23-189	Daywork orders for Preparation of three Helipads near Pakistani Camp	
115.	09.03.23	DHC/Dasu/CGGC/MW-01/CAD/23-194	Time Period Related to Prolongation Claim Cost	
116.	09.03.23	DHC/Dasu/CGGC/MW-01/zua/23-195	Inappropriate Concrete Pouring on Starter Dam (III-5) Block 04 (El. 775.30m- El. 777.50m)	
117.	09.03.23	DHC/Dasu/CGGC/MW-01/JF/23-196	Documents for Variation VO-010 for Downstream RCC Cofferdam	
118.	10.03.23	DHC/Dasu/CGGC/MW-01/cad/23-197	Extension of CAR and Third-Party Insurance Policy	
119.	11.03.23	DHC/Dasu/CGGC/MW-01/zic/23-199	Initiation of Tree Plantation Under the Contract	
120.	11.03.23	DHC/Dasu/CGGC/MW-01/zic/23-200	Submission of Detail Traffic Transportation Management Plan	
121.	11.03.23	DHC/Dasu/CGGC/MW-01/zic/23-201	Walk Through Environmental Inspection - Joint Site Inspection of WAPDA and DHC	
122.	13.03.23	DHC/Dasu/CGGC/MW-01/cad/23-205	Claim for Blast Incident- Submission of Additional Particulars	
123.	13.03.23	DHC/Dasu/CGGC/MW-01/cad/23-206	Minutes of Meeting for Crushing and Batching Plants held on 17th February 2023	

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Sr. No	Date	Letter No.	Subject	Remarks
124.	13.03.23	DHC/Dasu/CGGC/MW-01/AO/23-207	Quality issue in Rock Bolts Grouting and Safety Issue at Slope Protection of Right Bank Cable Crane	
125.	14.03.23	DHC/Dasu/CGGC/MW-01/AO/23-209	Minutes of Weekly Progress Review Meeting held on th March 2023	
126.	15.03.23	DHC/Dasu/CGGC/MW-01/zua/23-210	Daywork Order for Cleaning of Uchar Nullah	
127.	16.03.23	DHC/Dasu/CGGC/MW-01/cad/23-211	Enhancement of Security for Expatriates- Armoured Vehicles	
128.	16.03.23	DHC/Dasu/CGGC/MW-01/zic/23-212	Environmental Non-Compliance at Starter Dam Site	
129.	16.03.23	DHC/Dasu/CGGC/MW-01cad/23-213	Engineer's Response on Stoppage of Works due To Blast Incident on 14 <sup>th</sup> July 2021	
130.	16.03.23	DHC/Dasu/CGGC/MW-01cad/23-214	Non-adjustable Portion of the Contract Price	
131.	18.03.23	DHC/Dasu/CGGC/MW-01/hn/23-215	Instruction for Construction of the Temporary Causeway to Cross Uchar Nullah	
132.	18.03.23	DHC/Dasu/CGGC/MW-01/ zic/23-217	Submission of Detailed Traffic Management Plan	
133.	18.03.23	DHC/Dasu/CGGC/MW-01/ zic/23-219	Design Details of Sedimentation Tanks for Uchar Crushing and Batching Plant	
134.	19.03.23	DHC/Dasu/CGGC/MW-01/ zic/23-220	Engineer Reply on Initiation of Tree Plantation Under the Contract	
135.	20.03.23	DHC/Dasu/CGGC/MW-01/ AO/23-221	OHS Non- Compliances	
136.	20.03.23	DHC/Dasu/CGGC/MW-01/ AO/23-222	Mitigation Measures for Waste Water From Thoki Crusher Plant	
137.	21.03.23	DHC/Dasu/CGGC/MW-01/ you/23-224	Regularization of the Movement of Chinese Nationals	
138.	22.03.23	DHC/Dasu/CGGC/MW-01/ HUR/23-225	Completion of Works for Generators at Uchar (Thoki) Crushing and Batching Plant	
139.	22.03.23	DHC/Dasu/CGGC/MW-01/ cad/23-226	Temporary Road at Uchar Nullah	
140.	22.03.23	DHC/Dasu/CGGC/MW-01/ HUR/23-227	Minutes of Weekly Meeting 14th March 2023	
141.	23.03.23	DHC/Dasu/CGGC/MW-01/ zic/23-228	Initiation of Tree Plantation at Project Colony Chochang	
142.	21.03.23	DHC/Dasu/CGGC/MW-01/ eb/23-229	NCR Related to Provision of Temporary Ventilation System in Right Bank Bypass Tunnel	
143.	23.03.23	DHC/Dasu/CGGC/MW-01/ HUR/23-230	Security Deficiencies at Camps	
144.	23.03.23	DHC/Dasu/CGGC/MW-01/ HUR/23-231	Daywork for Demolishing of Houses at Siglo Area	
145.	24.03.23	DHC/Dasu/CGGC/MW-01/ nk/23-232	The Engineer's Comments on Uchar Concrete Batching Plant Scale Calibration and Concrete Homogeneity Test Results	
146.	24.03.23	DHC/Dasu/CGGC/MW-01/ hur/23-233	Progress to Cut off Wall Works of Starter Dam	
147.	25.03.23	DHC/Dasu/CGGC/MW-01/ hur/23-234	Incident With Local Police	
148.	27.03.23	DHC/Dasu/CGGC/MW-01/ hur/23-239	Minutes of QA-QC Meeting Dated 20.03.2023	
149.	28.03.23	DHC/Dasu/CGGC/MW-01/ zic/23-240	Requirement of Two Sedimentation Tanks as Mitigation Measures for Waste Water from Thoki Crusher plant	
150.	28.03.23	DHC/Dasu/CGGC/MW-01/ cad/23-241	Right Bank Cable Crane Platform	
151.	28.03.23	DHC/Dasu/CGGC/MW-01/ cad/23-242	Stoppage of Work at Batching Plant NO.2 Siglo Area	
152.	28.03.23	DHC/Dasu/CGGC/MW-01/ AO/23-243	Minutes of Weekly Progress Review Meeting Held on 21st March 2023	
153.	29.03.23	DHC/Dasu/CGGC/MW-01/ zic/23-244	Engineer Reply on the Apply for Approval of Environmental Officers	
154.	29.03.23	DHC/Dasu/CGGC/MW-01/ hur/23-245	Replacement of Substandard Items at Kass Cmap	
155.	29.03.23	DHC/Dasu/CGGC/MW-01/ zua/23-246	Remindar-2-Commence Work on Security Administrative Issues Related to MW-01	
156.	30.03.23	DHC/Dasu/CGGC/MW-01/ you/23-247	Security Administrative Issue	
157.	29.03.23	DHC/Dasu/CGGC/MW-01/ mrz/23-248	MW-01-Uchar Power Station Earthing System Plan	
158.	30.03.23	DHC/Dasu/CGGC/MW-01/ ys/23-250	Engineers Comments on the Submission of the Design Documents of the Transmission Line D5	
159.	30.03.23	DHC/Dasu/CGGC/MW-01/ PLS/23-251	Comments on R4D13 Updated Contract Program	
160.	31.03.23	DHC/Dasu/CGGC/MW-01/ you/23-252	Site Security Permission and Record Keeping	
<b>2.7 Dasu MW-02</b>				
<b>Dasu Office</b>				
161.	03.03.23	DHC/Dasu/CGGC/MW-02/cad/23-069	Enhancement of Security of Expatriates	
162.	04.03.23	DHC/Dasu/CGGC/MW-02/ys/23-070	Minutes of Weekly Progress Review Meeting held on 7th February 2023	
163.	04.03.23	DHC/Dasu/CGGC/MW-02/nk/23-071	The Contractors Request to Use RCC Concrete Setting Time Retarding Admixture CYC GK-4A in CVC Concretes	
164.	07.03.23	DHC/Dasu/CGGC/MW-02/cad/23-072	Extension of Insurance Policies	
165.	07.03.23	DHC/Dasu/CGGC/MW-02/OHS/23-073	Failure to Ensure Welfare and Camp Facilities at CT2 Camp	
166.	07.03.23	DHC/Dasu/CGGC/MW-02/ys/23-074	Request for Proposal for Modification of Tailrace Tunnels to Circular Section	
167.	09.03.23	DHC/Dasu/CGGC/MW-02/ys/23-078	Engineer Comments on Submission of Drawing of Facilities for Police and Security Staff at CR91 Tailrace and Khushi Camp Area	
168.	09.03.23	DHC/Dasu/CGGC/MW-02/ys/23-079	Issuance of Construction Drawings	
169.	10.03.23	DHC/Dasu/CGGC/MW-02/cad/23-080	Extension of CAR and Third-Party Insurance Policy	
170.	11.03.23	DHC/Dasu/CGGC/MW-02/ys/23-082	Dasu HPP Minutes of Weekly Progress Review Meeting held on 1 March 2023	
171.	11.03.23	DHC/Dasu/CGGC/MW-02/zic/23-083	Walk Through Environmental Inspection - Joint Site Inspection of WAPDA and DHC	
172.	12.03.23	DHC/Dasu/CGGC/MW-02/Ohs/23-085	Provision of Report Regarding Explosive Material by all Chinese Companies Having EI-03	
173.	13.03.23	DHC/Dasu/CGGC/MW-02/Ohs/23-087	Claim for Blast Incident - Submission of Additional Particulars	
174.	15.03.23	DHC/Dasu/CGGC/MW-02/ys/23-090	Issuance of Construction Drawings	
175.	16.03.23	DHC/Dasu/CGGC/MW-02/cad/23-091	Enhancement of Security for Expatriates- Armoured Vehicles	
176.	16.03.23	DHC/Dasu/CGGC/MW-02/cad/23-092	Non-adjustable Portion of the Contract Price	
177.	19.03.23	DHC/Dasu/CGGC/MW-02/cad/23-093	Incident with Local Police	
178.	19.03.23	DHC/Dasu/CGGC/MW-02/ys/23-094	Minutes of Weekly Progress Review Meeting held on 24 January 2023 and 21-February 2023	
179.	22.03.23	DHC/Dasu/CGGC/MW-02/ys/23-095	Security Deficiencies at Camps.	
180.	24.03.23	DHC/Dasu/CGGC/MW-02/ys/23-096	Minutes of Weekly Progress Review Meeting held on 07 March 2023 and 14 March 2023	
181.	24.03.23	DHC/Dasu/CGGC/MW-02/nk/23-097	The Engineer's Comments on Uchar Concrete Batching Plant	
182.	25.03.23	DHC/Dasu/CGGC/MW-02/cad/23-098	Report of the Poor Temporary Road in the Uchar Nullah	
183.	27.03.23	DHC/Dasu/CGGC/MW-02/nk/23-102	Minutes of QA-QC Meeting dated 20.03.2023	
184.	28.03.23	DHC/Dasu/CGGC/MW-02/ys/23-103	The Proposal of Grounding Grid Connection Type for Powerhouse Above EL.760 and Transformer Cavern above EL.772.5	
185.	28.03.23	DHC/Dasu/CGGC/MW-02/ys/23-104	Minutes of Weekly Progress Review Meeting Held on 21 March 2023	

**Dasu Hydropower Project**  
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**Appendix E [19/20]**

Sr. No	Date	Letter No.	Subject	Remarks
186.	30.03.23	DHC/Dasu/CGGC/MW-02/kk/23-105	Defective Slinging wire at LPT-2 Plug Area	
187.	30.03.23	DHC/Dasu/CGGC/MW-02/ys/23-106	Approval of Method Statement of 1#Drainage Tunnel and Exhaust Tunnel Slab (D2)	
<b>2.8 Dasu-LBRV-11</b>				
<b>Dasu Office</b>				
188.	06.03.20	DHC/Dasu/ZEGL/LBRV-11/CAD/23-010	Recovery of Outstanding Advance Payment	
189.	25.03.23	DHC/Dasu/ZEGL/LBRV-11/CAD/23-013	Instructions to Complete Outstanding Works at Handed Over Resettlement Sites	
<b>2.9 Dasu LBRV-12</b>				
<b>Dasu office</b>				
190.	06.03.23	DHC/Dasu/LBRV-12/CAD /23-006	Recovery of Outstanding Advance Payment	
191.	25.03.23	DHC/Dasu/LBRV-12/CAD /23-007	Instructions to Complete Outstanding Works at Handed Over Resettlement Sites	
<b>2.11 Dasu-PCI-01R</b>				
<b>Lahore Office</b>				
<b>Dasu Office</b>				
192.	01.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-059	Reminder-1 Washing of Concrete Transit Mixers in Choochang Nullah	
193.	06.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-060	Request for Provision of Wire Mesh (Metal Lath) Before Plaster Work Over All Joints Internally & Externally for Remaining Buildings	
194.	06.03.23	DHC/Dasu/CGICOP/PCI-01R/zic/23-061	Re-Submission of Monthly EHS Report for the Month of January 2023	
195.	06.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-062	Security Watch Tower Buildings	
196.	07.03.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-064	Extension of Advance Payment Guarantee	
197.	08.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-065	Cancellation of Fiber Glass Shade Provision over Doors at Residence Category-01&2	
198.	09.03.23	DHC/Dasu/CGICOP/PCI-01R/mrz/23-066	Request for Approval of DB Manufacturer Drawings and Components detail of Hostel Cat-2A and Hostel Cat-28	
199.	11.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-067	Cancellation of Shop Drawings for Steel Cover for Drainage Pipe & Electric Cable in Project Office Building	
200.	11.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-068	Working and Procurement Schedule for the Water Supply Works from the Indus River to Project Colony	
201.	15.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-069	Safety Provision to all Staff Workers Working at Site	
202.	15.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-070	Response to Notice for Delay in Issuance of Boundary Wall Construction Drawings	
203.	16.03.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-071	VO-019- Slope Protection Works at Backside of Hostel Cat-02 2C and 2D at Project Colony	
204.	17.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-073	Operation and Maintenance of Basic Health Unit (BHU)	
205.	17.03.23	DHC/Dasu/CGICOP/PCI-01R/zic/23-074	Joint Site Inspection of WAPDA and DHC	
206.	17.03.23	DHC/Dasu/CGICOP/PCI-01R/zic/23-075	Delay in Mobilization due to Force Majeure under GCCC Clause 19.2 for Uchar Water Supply Works	
207.	18.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-076	Approval of BASF Master Seal NP 472 Joint Sealant Material for Rigid Pavement	
208.	18.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-077	Withdrawal of Instruction for Cancellation of Fiber Glass Shade Provision Over Doors of Residence Category- 01 &02	
209.	18.03.23	DHC/Dasu/CGICOP/PCI-01R/mrz/23-078	Request for Sample Approval of Intercom for residence Cat-2	
210.	19.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-079	Reply To Notice for Delay in Issuance of Clarification of Boundary Wall Design Part-2 and Right of Access to Site	
211.	19.03.23	DHC/Dasu/CGICOP/PCI-01R/zic/23-080	Washing of Concrete Transit Mixer in Choochang Nullah	
212.	21.03.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-081	Reply to Clarification Requested By Contractor for Construction of Security Watch Towers and Sentry Posts	
213.	25.03.26	DHC/Dasu/CGICOP/PCI-01R/infra/23-082	Slow Progress of Ongoing Works	
214.	25.03.26	DHC/Dasu/CGICOP/PCI-01R/cad/23-083	Extension of Advance Payment Guarantee.PCI-01R	
215.	29.03.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-084	Request for Water Quality Testing at WAPDA Colony Chuchang	
216.	29.03.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-085	-Issuance of Construction Drawings of Community Center Buildings	
217.	30.03.23	DHC/Dasu/CGICOP/PCI-01R/you/23-086	Security Administrative Issue	
<b>2.12 Dasu RV</b>				
<b>Dasu Office</b>				
218.	07.03.23	DHC/Dasu/KGL/RV/CAD/23-019	Adjustment of Particular BOQ Item Rate Stone Masonry Dressed with Mortar in accordance with GC Clause 37	
219.	07.03.23	DHC/Dasu/KGL/RV/CAD/23-020	Suggestion for Way Forward	
220.	14.03.23	DHC/Dasu/KGL/RV/infra/23-021	Slow Progress at Choochang Site - 4	
221.	15.03.23	DHC/Dasu/KGL/RV/infra/23-022	Safety Provision to all Staff Workers Working at Site	
222.	16.03.23	DHC/Dasu/KGL/RV/cad/23-023	Extension of Advance Payment Security Guarantee	
223.	16.03.23	DHC/Dasu/KGL/RV/infra/23-024	Slow Progress	
224.	17.03.23	DHC/Dasu/KGL/RV/infra/23-025	Extension of Advance Payment Security Guarantee	
225.	23.03.23	DHC/Dasu/KGL/RV/infra/23-026	VO-006 Chain Link Fence and Safety Railing	
226.	26.03.23	DHC/Dasu/KGL/RV/infra/23-027	Varied Works of Pumping Sewage for Project Colony	
227.	28.03.23	DHC/Dasu/KGL/RV/infra/23-028	Extension of Advance Payment Guarantee	
<b>2.13 EM-01</b>				
<b>Dasu Office</b>				
228.	01.03.23	DHC/Dasu/GEPC/EM-01/CAD/23-057	Operation and Maintenance of Vehicles	
229.	01.03.23	DHC/Dasu/GEPC/EM-01/CAD/23-059	Approval of the Employers Nominee for Dispute Board (DB)	
230.	02.03.23	DHC/Dasu/GEPC/EM-01/CAD/23-060	Notice of Claim due to Delayed Generation of FI Number by Employer for Goods Declaration of Second Batch of Shipment	
231.	02.03.23	DHC/Dasu/GEPC/EM-01/OHS/23-063	Submission of MSRA for Camp Construction and Other Associated Civil Work Activates	
232.	02.03.23	DHC/Dasu/GEPC/EM-01/cad/23-066	Clarification on Notice of Claim Due to Delayed Generation of FI Number by Employer for Goods Declaration of Shipment No.2	
233.	06.03.23	DHC/Dasu/GEPC/EM-01/cad/23-067	Contract Price Adjustment	
234.	06.03.23	DHC/Dasu/GEPC/EM-01/cad/23-068	Contractors Response on Principle of Claim No.EM-01-C-05- Claim Due to ROW Issue at EM-01 Site Camp Construction	
235.	07.03.23	DHC/Dasu/GEPC/EM-01/sn/23-069	Addition of Suppliers to Agreed Schedule T-4	
236.	07.03.23	DHC/Dasu/GEPC/EM-01/ys/23-070	Construction Drawings of Buildings No.3.1,3.4,5.1,5.2,5.3,5.4, Entrance Gate and Security Post at EM-01 Camp Kass	

**Dasu Hydropower Project**  
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**Appendix E [20/20]**

<b>Sr. No</b>	<b>Date</b>	<b>Letter No.</b>	<b>Subject</b>	<b>Remarks</b>
237.	07.03.23	DHC/Dasu/GEPC/EM-01/sn/23-071	Current Factory Acceptance Test (FAT) Schedule of Stay ring at Contractor's Factory	
238.	08.03.23	DHC/Dasu/GEPC/EM-01/zic/23-072	Joint Site Inspection of WAPDA and DHC	
239.	11.03.23	DHC/Dasu/GEPC/EM-01/cad/23-077	Notice of Claim due to Sales Tax Increase from 17 to 18%	
240.	12.03.23	DHC/Dasu/GEPC/EM-01/cad/23-078	Request to Release Delivery Order to Shipping Line of 1st Shipment	
241.	15.03.23	DHC/Dasu/GEPC/EM-01/sn/23-080	Dasu 765kV Protection Single Line Diagram	
242.	15.03.23	DHC/Dasu/GEPC/EM-01/sn/23-081	Dasu Equipment and Materials Acceptance Sheet	
243.	16.03.23	DHC/Dasu/GEPC/EM-01/cad/23-082	Temporary Storage Cost at Ghazi Barotha (Interim, as of 13th March 2023)	
244.	16.03.23	DHC/Dasu/GEPC/EM-01c/ad/23-083	Delay in Generation of Financial Instrument (FI) Number (Interim as of 13th March 2023)	
245.	16.03.23	DHC/Dasu/GEPC/EM-01/sn/23-086	Customer Clarification for the Water Pressure of Generator Fire Protection System	
246.	18.03.23	DHC/Dasu/GEPC/EM-01/cad/23-087	Project Manager's Response on Principles of Claim No. EM-01 C-06	
247.	18.03.23	DHC/Dasu/GEPC/EM-01/PLS/23-088	Submission of Updated Program of Performance V1.10 (Revised Baseline)	
248.	21.03.23	DHC/Dasu/GEPC/EM-01/Sn/23-091	Dasu Generator FE Calculation Report of Stator Frame Upper Bracket, Generator Load on Foundation for Approval	
249.	22.03.23	DHC/Dasu/GEPC/EM-01/Sn/23-094	Revised 11 kV Single Line Diagram (Rev. C)	
250.	23.03.23	DHC/Dasu/GEPC/EM-01/YS/23-095	Security Deficiencies at Camps.	
251.	25.03.23	DHC/Dasu/GEPC/EM-01/sn/23-096	Re-Submission the Excitation Cubicle and Excitation Transformer Drawings	
252.	29.03.23	DHC/Dasu/GEPC/EM-01/cad/23-097	Estimated Budget of Facilities for Police & Security Forces at EM-01 Camp	
253.	29.03.23	DHC/Dasu/GEPC/EM-01/sn/23-098	Re-Submission Generator Fire-Fighting P&ID and Design Memo	
254.	30.03.23	DHC/Dasu/GEPC/EM-01/sn/23-099	Employers Witness for FAT on Unit 4 Stayring	
255.	30.03.23	DHC/Dasu/GEPC/EM-01/sn/23-100	Addition of Suppliers to the Agreed Schedule T-4	





# **APPENDIX F**

## **Detail of Interim Payment Certificates**

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**Appendix F: Details of Interim Payment Certificates**

Details of Interim Payment Certificates of MW-01 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	5,556,438,372	56,988,569.00	16-May-17
2	22-Jun-18	2	11-Jul-18	129,457,263	1,384,020.74	17-Aug-18
3	03-Jan-19	3	09-Jan-19	88,936,900	997,133.73	28-Feb-19
4	09-Jun-19	4	04-Jul-19	76,716,800	732,093.22	04-Aug-19
5	25-Jul-19	5	18-Aug-19	145,629,996	1,363,149.96	19-Sep-19
6	26-Sep-19	6	23-Oct-19	248,905,635	2,214,513.54	21-Nov-19
7	10-Dec-19	7	06-Jan-20	629,914,484	5,895,127.76	04-Feb-20
8	10-Feb-20	8	27-Feb-20	206,824,646	1,757,372.29	06-Apr-20
9	06-Apr-20	9	04-May-20	365,752,539	3,245,285.91	01-Jun-20
10	13-Jun-20	10	11-Jul-20	382,303,496	2,880,146.95	08-Aug-20
11	05-Aug-20	11	02-Sep-20	252,654,881	2,252,835.97	30-Sep-20
12	16-Sep-20	12	09-Oct-20	458,055,284	3,898,125.46	11-Nov-20
13	12-Nov-20	13	10-Dec-20	521,447,309	4,746,372.92	07-Jan-21
14	16-Dec-20	14	12-Jan-21	109,355,876	1,157,321.96	10-Feb-21
15	18-Jan-21	15	12-Feb-21	158,129,043	1,570,752.84	15-Mar-21
16	23-Feb-21	16	19-Mar-21	336,954,470	2,658,901.26	20-Apr-21
17	16-Apr-21	17	04-May-21	407,082,473	8,331,836.66	11-Jun-21
18	20-May-21	18	14-Jun-21	762,466,613	6,311,057.52	15-Jul-21
19	21-Jun-21	19	14-Jul-21	425,023,542	4,493,780.63	16-Aug-21
20	26-Jul-21	20	19-Aug-21	226,133,481	2,044,283.79	20-Sep-21
21	25-Aug-21	21	20-Sep-21	480,881,765	4,269,721.44	20-Oct-21
22	29-Sep-21	22	25-Oct-21	4,185,117	39,112.22	24-Nov-21
23	21-Nov-21	23	20/12/2021	821,193,512	9,251,540.73	16-Jan-22
24	26-Dec-21	24	07-Feb-22	679,713,623	6,015,133.50	20-Feb-22
25	29-Jan-22	25	28-Feb-22	321,933,884	2,945,172.60	26-Mar-22
26	02-Mar-22	26	28-Mar-22	131,974,383	1,251,829.96	27-Apr-22
27	28-Mar-22	27	24-Apr-22	159,376,817	1,607,294.43	23-May-22
28	16-Apr-22	28	18-May-22	362,635,724	2,112,719.95	11-Jun-22
29	21-Jun-22	29	22-Jul-22	192,432,354	1,429,597.79	16-Aug-22
30	20-Jul-22	30	18-Aug-22	208,902,264	1,700,738.92	14-Sep-22
31	22-Aug-22	31	20-Sep-22	309,574,151	1,793,501.06	17-Oct-22
32	18-Oct-22	32	18-Nov-22	330,721,543	2,483,232.94	13-Dec-22
33	06-Dec-22	33	03-Jan-23	827,977,759	5,014,543.37	31-Jan-23
34	10-Jan-23	34	17-Feb-23	498,342,988	3,957,279.76	07-Mar-23
35	30-Jan-23	35	27-Feb-23	303,694,619	1,612,716.51	27-Mar-23
36	28-Feb-23	36	26-Mar-23	720,703,554	4,057,040.96	25-Apr-23
<b>Total Amount in LC &amp; FC (1USD = 104.3 PKR) (LC 50:FC 50)</b>				<b>17,842,427,160</b>	<b>164,463,858</b>	
<b>Total Amount Certified including LC &amp; FC (Rs.)</b>				<b>34,996,007,575.48</b>		
<b>Accepted Contract Amount</b>				<b>115,003,461,240</b>		
<b>Disbursement Progress with respect to ACA</b>				<b>30.43%</b>		

Details of Interim Payment Certificates of MW-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	3,326,067,613	29,880,873.00	16-May-17
2	22-Jun-18	2	11-Jul-18	83,298,629	870,162.03	17-Aug-18
3	03-Jan-19	3	09-Jan-19	74,858,417	766,176.22	28-Feb-19
4	09-Jun-19	4	02-Jul-19	71,107,206	626,942.03	04-Aug-19
5	25-Jul-19	5	18-Aug-19	4,908,345	33,396.51	19-Sep-19
6	02-Oct-19	6	19-Oct-19	77,803,163	676,690.06	27-Nov-19
7	03-Dec-19	7	31-Dec-19	380,055,185	3,487,658.38	28-Jan-20
8	31-Jan-20	8	22-Feb-20	116,606,355	943,411.40	27-Mar-20
9	06-May-20	9	19-May-20	169,704,055	1,210,335.38	01-Jul-20
10	22-Jun-20	10	22-Jul-20	81,144,101	392,991.96	17-Aug-20
11	05-Aug-20	11	02-Sep-20	94,947,361	765,644.82	30-Sep-20
12	16-Sep-20	12	09-Oct-20	155,265,987	1,065,922.39	11-Nov-20
13	12-Nov-20	13	10-Dec-20	76,094,960	641,343.79	07-Jan-21
14	16-Dec-20	14	12-Jan-21	91,489,465	788,644.78	10-Feb-21
15	18-Jan-21	15	12-Feb-21	2,196,767	151,795.03	15-Mar-21
16	23-Feb-21	16	19-Mar-21	95,214,311	336,914.48	20-Apr-21
17	16-Apr-21	17	04-May-21	151,300,083	2,746,114.01	11-Jun-21
18	20-May-21	18	14-Jun-21	155,713,668	968,699.57	15-Jul-21
19	21-Jun-21	19	14-Jul-21	84,507,053	146,301.84	16-Aug-21

**Dasu Hydropower Project**  
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**Appendix F [2/6]**

20	26-Jul-21	20	19-Aug-21	52,249,037	172,562.45	20-Sep-21
21	25-Aug-21	21	20-Sep-21	24,216,703	160,409.05	20-Oct-21
22	29-Sep-21	22	25-Oct-21	13,306,835	36,044.08	24-Nov-21
23	21-Nov-21	23	15-Dec-21	10,566,080	70,038.21	16-Jan-22
24	26-Dec-21	23	04-Feb-22	13,396,896	98,850.24	20-Feb-22
25	29-Jan-22	25	28-Feb-22	29,493,180	244,726.79	26-Mar-22
26	02-Mar-22	26	28-Mar-22	9,702,893	60,887.68	27-Apr-22
27	28-Mar-22	27	24-Apr-22	23,355,008	151,238.21	23-May-22
28	16-Apr-22	28	18-May-22	65,408,374	223,236.05	11-Jun-22
29	21-Jun-22	29	23-Jul-22	65,521,384	407,878.71	16-Aug-22
30	20-Jul-22	30	20-Aug-22	61,174,019	159,575.39	14-Sep-22
31	23-Aug-22	31	24-Sep-22	75,988,914	178,590.68	18-Oct-22
32	18-Oct-22	32	19-Nov-22	157,320,766	973,034.70	13-Dec-22
33	06-Dec-22	33	05-Jan-23	286,277,691	1,587,756.94	31-Jan-23
34	10-Jan-23	34	16-Feb-23	265,028,755	1,407,099.70	07-Mar-23
35	30-Jan-23	35	27-Feb-23	159,720,241	961,190.51	27-Mar-23
36	28-Feb-23	36	25-Mar-23	46,006,884	242,298.57	25-Apr-23

**Total Amount in LC & FC (1USD = 104.3 PKR) (LC 50:FC 50)** 6,651,016,384 53,635,435.64  
**Total Amount Certified including LC & FC (Rs.)** 12,245,192,321.25  
**Accepted Contract Amount** **64,426,426,087**  
**Disbursement Progress with respect to ACA** **19.01%**

Details of Interim Payment Certificates of EM-01 – Contractor GE-PC JV						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	17-Dec-19	1 (Adv. Pay)	20-Dec-19		24,398,400.00	24-Jan-20
2	21-Oct-21	1	01-Nov-21		921,600.00	20-Dec-21
3	17-Feb-22	(Adv. Pay)	25-Mar-22	480,570,192		
4	12-Oct-22	2	20-Oct-22		785,822.21	11-Dec-22
5	17-Jan-23	3	02-Feb-23		150,133	18-Mar-23

**Total Amount in LC & FC** 480,570,192 26,255,955  
**Accepted Contract Amount** 25,471,001,920 243,984,000  
**Disbursement Progress with respect to ACA** **2%** **11%**  
**Total Contract Amount (Rs.)** **52,455,632,320**

Details of Interim Payment Certificates of PCI-01R – Contractor CGCIOP						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	26-Dec-18	1 (Adv. Pay)	28-Dec-18	726,119,001	2,405,315	16-Jan-19
2	17-Oct-19	2	12-Nov-19	33,567,386	136,295.80	12-Dec-19
3	17-Nov-19	3	12-Dec-19	34,931,356	141,834.03	12-Jan-20
4	14-Feb-20	4	06-Mar-20	35,072,900	142,409.00	10-Apr-20
5	09-Mar-20	5	04-Apr-20	42,945,219	108,612.40	04-May-20
6	24-Apr-20	6	14-May-20	34,543,747	90,408.73	19-Jun-20
7	18-Jun-20	7	28-Jun-20	16,566,772	70,069.45	13-Aug-20
8	02-Jul-20	8	23-Jul-20	32,357,756	95,828.25	27-Aug-20
9	13-Jul-20	9	10-Aug-20	41,345,304	142,436.39	07-Sep-20
10	11-Aug-20	10	25-Aug-20	57,969,212	206,748.57	06-Oct-20
11	09-Sep-20	11	27-Sep-20	46,442,969	176,916.64	04-Nov-20
12	06-Oct-20	12	29-Oct-20	59,435,690	189,186.18	01-Dec-20
13	08-Nov-20	13	01-Dec-20	67,698,771	225,993.44	03-Jan-21
14	09-Dec-20	14	05-Jan-21	36,818,282	126,664.14	03-Feb-21
15	09-Jan-21	15	04-Feb-21	49,773,681	174,006.62	06-Mar-21
16	11-Feb-21	16	10-Mar-21	45,051,858	157,276.41	08-Apr-21
17	11-Mar-21	17	06-Apr-21	28,554,500	94,947.49	06-May-21
18	10-Apr-21	18	05-May-21	48,159,728	162,023.48	05-Jun-21
19	08-May-21	19	05-Jun-21	43,238,709	146,047.14	03-Jul-21
20	10-Jun-21	20	08-Jul-21	42,484,291	146,845.49	05-Aug-21
21	11-Jul-21	21	09-Aug-21	48,422,532	158,859.84	05-Sep-21
22	09-Aug-21	22	05-Sep-21	48,268,339	153,050.04	04-Oct-21
23	07-Sep-21	23	04-Oct-21	32,788,090	109,182.33	02-Nov-21
24	12-Oct-21	24	07-Nov-21	40,545,279	126,723.09	07-Dec-21
25	13-Nov-21	25	23-Nov-21	31,906,308	104,477.57	08-Jan-22
26	14-Dec-21	26	24-Dec-21	26,915,937	91,526.69	08-Feb-22
27	21-Jan-22	26	14-Feb-22	30,908,137	100,942.68	18-Mar-22
28	07-Apr-22	28	08-Apr-22	22,262,030	73,117.80	02-Jun-22
29	07-Apr-22	29	17-Apr-22	20,347,880	63,750.71	02-Jun-22
30	18-Apr-22	30	15-May-22	13,216,994	42,850.56	13-Jun-22
31	09-Jun-22	31	01-Jul-22	24,908,565	80,913.11	04-Aug-22

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

**Appendix F [3/6]**

32	05-Jul-22	32	01-Aug-22	67,779,223	119,945.64	30-Aug-22
33	07-Aug-22	33	04-Sep-22	11,559,525	30,562.99	02-Oct-22
34	07-Sep-22	34	26-Sep-22	27,079,138	62,745.59	02-Nov-22
35	06-Oct-22	35	31-Oct-22	17,155,374	42,162.34	01-Dec-22
36	06-Nov-22	36	02-Dec-22	33,342,424	84,877.98	01-Jan-23
37	06-Dec-22	37	21-Dec-22	30,464,152	100,428.59	31-Jan-23
38	17-Dec-22	38	05-Jan-23	99,858,860	257,957.49	11-Feb-23
39	08-Mar-23	39	04-Apr-23	76,854,572	149,745.99	03-May-23

**Total Amount in LC & FC (1USD = 105.55 PKR) (LC 70: FC 30)** 2,227,660,491 7,093,686  
*Total Amount Certified including LC & FC (Rs.)* 2,976,399,015  
**Accepted Contract Amount** **4,900,000,009**  
**Disbursement Progress with respect to ACA** **60.74%**

**Details of Interim Payment Certificates of KKH-01 – Contractor CCECC**

Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	2,176,756,967	7,257,158.00	01-May-15
2	25-Oct-16	2	05-Nov-16	116,085,061	384,408.90	20-Dec-16
3	20-Mar-17	3	21-Mar-17	115,271,179	384,306.16	15-May-17
4	07-Oct-17	4	09-Oct-17	163,673,731	537,714.66	02-Dec-17
5	02-Jan-18	5	15-Jan-18	140,213,172	467,461.04	27-Feb-18
6	29-Apr-18	6	16-May-18	112,700,084	375,734.32	24-Jun-18
7	13-Jun-18	7	09-Jul-18	137,477,799	294,116.50	08-Aug-18
8	18-Aug-18	8	12-Sep-18	83,900,536	248,588.91	13-Oct-18
9	20-Oct-18	9	07-Nov-18	115,514,185	327,895.98	15-Dec-18
10	22-Dec-18	10	02-Jan-19	54,277,538	153,159.67	16-Feb-19
11	29-Jan-19	11	13-Feb-19	117,014,088	295,608.67	26-Mar-19
12	28-Apr-19	12	13-May-19	83,570,086	218,018.53	23-Jun-19
13	01-Jul-19	13	12-Jul-19	111,832,242	262,033.71	26-Aug-19
14	26-Aug-19	14	13-Sep-19	186,836,976	487,212.82	21-Oct-19
15	24-Nov-19	15	22-Dec-19	60,357,019	167,948.08	19-Jan-20
16	17-Feb-20	16	13-Mar-20	80,325,069	188,092.50	13-Apr-20
17	31-Mar-20	17	28-Apr-20	103,054,752		26-May-20
18	03-Jul-20	18	27-Jul-20	117,062,441	299,271.45	28-Aug-20
19	03-Oct-20	19	30-Oct-20	541,814,894	244,433.16	28-Nov-20
20	10-Nov-20	20	07-Dec-20	126,355,008	161,772.28	05-Jan-21
21	04-Mar-21	21	02-Apr-21	89,700,027	217,810.42	29-Apr-21
22	30-Apr-21	22	30-May-21	218,335,017	131,214.31	25-Jun-21
23	17-Jul-21	23	14-Aug-21	123,748,647	1,564.06	11-Sep-21
24	19-Oct-21	24	16-Nov-21	148,233,396		14-Dec-21
25	22-Feb-22	25	21-Mar-22	46,553,333	388,294.83	19-Apr-22
26	19-Jun-22	27	21-Jun-22	3,351,431,289	11,173,440.91	10-Jul-22
27	19-Jul-22	26	12-Aug-22	22,894,416	2,136,987.46	13-Sep-22
28	03-Nov-22	28	28-Nov-22	413,135,000	235,653.58	29-Dec-22
29	30-Dec-22	29	26-Jan-23	213,387,157	447,396.19	24-Feb-23
30	14-Feb-23	30	10-Mar-23	279,376,648	410,568.76	11-Apr-23

**Total Amount in LC & FC (1USD=100.73PKR) (LC74.86:FC25.14)** 9,650,887,757 27,897,866  
*Total Amount Certified including LC & FC (Rs.)* 12,461,039,785  
**Accepted Contract Amount** **14,538,852,307**  
**Disbursement Progress with respect to ACA** **85.71%**

**Details of Interim Payment Certificates of KKH-02 – Contractor CGGC**

Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	20-May-17	1 (Adv. Pay)	22-May-17	2,146,910,052	10,590,008	12-Jun-17
2	05-Oct-22	2	23-Oct-22	37,624,777	145,122	30-Nov-22
3	06-Dec-22	3	27-Dec-22	159,914,610	603,728	31-Jan-23
4	01-Jan-23	4	23-Jan-23	117,089,970	420,422	26-Feb-23
5	16-Feb-23	5	10-Mar-23	86,233,091	336,953	13-Apr-23

**Total Amount in LC & FC (1USD = 104.445 PKR) (LC 60:FC 40)** 2,547,772,500 12,096,233  
*Total Amount Certified including LC & FC (Rs.)* 3,811,163,553.60  
**Accepted Contract Amount** **16,264,917,100**  
**Disbursement Progress with respect to ACA** **23.43%**

**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

**Dasu Hydropower Project  
Monthly Progress Report No. 104 (March 2023)**

**Appendix F [4/6]**

6	29-Sep-17	6	22-Oct-17	15,836,928	67,380.67	24-Nov-17
7	18-Jan-18	7	22-Jan-18	29,111,263	119,640.59	15-Mar-18
8	25-May-18	8	07-Jun-18	29,282,076	124,585.00	20-Jul-18
9	19-Oct-18	9	06-Nov-18	27,200,193	115,728.00	14-Dec-18
10	22-Feb-19	10	27-Feb-19	18,068,304	76,874.00	19-Apr-19
11	13-May-19	11	30-May-19	18,051,845	76,804.00	08-Jul-19
12	12-Jul-19	12	02-Aug-19	15,616,281	66,441.90	06-Sep-19
13	29-Sep-19	13	23-Oct-19	14,343,099	61,024.94	24-Nov-19
14	25-Jan-20	14	22-Feb-20	15,400,368	65,523.26	21-Mar-20
15	04-Apr-20	15	01-May-20	22,964,734	87,258.28	30-May-20
16	25-May-20	16	22-Jun-20	37,010,549	157,467.13	20-Jul-20
17	01-Jul-20	17	25-Jul-20	22,836,053	97,159.54	26-Aug-20
18	30-Jul-20	18	27-Aug-20	33,569,813	86,410.44	24-Sep-20
19	09-Sep-20	19	03-Oct-20	36,443,023	155,052.49	04-Nov-20
20	24-Oct-20	20	20-Nov-20	82,520,944	351,098.18	19-Dec-20
21	04-Dec-20	21	31-Dec-20	44,545,575	189,526.09	29-Jan-21
22	29-Dec-20	22	25-Jan-21	47,609,910	202,563.76	23-Feb-21
23	03-Mar-21	23	31-Mar-21	13,481,331	57,358.41	28-Apr-21
24	23-Apr-21	24	19-May-21	28,305,821	100,414.10	18-Jun-21
25	08-Jun-21	25	06-Jul-21	35,431,501	148,527.77	03-Aug-21
26	10-Aug-21	26	05-Sep-21	17,707,706	75,340.18	05-Oct-21
27	15-Oct-21	27	07-Nov-21	17,127,417	72,871.15	10-Dec-21
28	24-Dec-21	28	08-Jan-22	25,132,074	106,928.19	18-Feb-22
29	14-Feb-22	29	07-Mar-22	59,115,357	294,753.05	11-Apr-22
30	04-Apr-22	30	21-Apr-22	58,643,597	249,508.29	30-May-22
31	21-Jun-22	31	05-Jul-22	29,871,706	124,079.66	16-Aug-22
32	04-Aug-22	32	09-Aug-22	51,238,120	207,000.99	29-Sep-22
33	06-Oct-22	33	25-Oct-22	20,063,157	85,361.70	01-Dec-22
34	23-Jan-23	34	01-Apr-23	275,168,491	181,613.07	20-Apr-23
35	30-Jan-23	35	09-Feb-23	32,451,979	138,072.09	27-Mar-23

**Total Amount in LC & FC (1USD=100.73PKR) (LC70:FC30)** 1,662,425,459  
*Total Amount Certified including LC & FC (Rs.)* 2,267,848,634  
**Accepted Contract Amount** **2,713,972,595**  
**Disbursement Progress with respect to ACA** **83.56%**

Details of Interim Payment Certificates of RAR-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
1	20-Mar-17	1 (Adv. Pay)	31-Mar-17	833,528,863	3,993,993	21-Apr-17
2	08-Mar-22	2	04-Apr-22	12,351,687	58,456.46	25-Apr-22
3	12-Jan-23	3	11-Feb-23	88,509,251	387,133.92	15-Mar-23

**Total Amount in LC & FC (1USD = 104.445 PKR) (LC 60: FC 40)** 934,389,801  
*Total Amount Certified including LC & FC (Rs.)* 1,398,082,087.12  
**Accepted Contract Amount** **6,253,407,194**  
**Disbursement Progress with respect to ACA** **22.36%**

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

**Dasu Hydropower Project**  
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**Appendix F [5/6]**

23	04-Dec-18	2018/08	08-Dec-18	7,376,449	4,675.67	18-Jan-19
24	08-Jan-19	2018/09	09-Jan-19	44,412,888		22-Feb-19
25	18-Feb-19	2019/01	21-Feb-19	19,061,264		04-Apr-19
26	06-Apr-19	2019/02	06-Apr-19	20,399,754	6,172.99	21-May-19
27	04-May-19	2019/03	06-May-19	9,149,766		18-Jun-19
28	15-Jun-19	2019/04	21-Jun-19	7,950,672		30-Jul-19
29	22-Jul-19	2019/05	25-Jul-19	8,566,498		05-Sep-19
30	02-Sep-19	2019/06	11-Sep-19	14,717,898		17-Oct-19
31	10-Oct-19	2019/07	16-Oct-19	10,560,040		24-Nov-19
32	08-Nov-19	2019/08	12-Nov-19	21,865,545		23-Dec-19
33	21-Nov-19	2019/09	27-Nov-19	14,948,404		05-Jan-20
34	13-Dec-19	2019/10	17-Dec-19	9,763,128		27-Jan-20
35	13-Jan-20	35	16-Jan-20	6,289,821		27-Feb-20
36	05-Feb-20	36	15-Feb-20	8,269,057		21-Mar-20
37	08-Mar-20	37	11-Mar-20	16,622,182		22-Apr-20
38	12-Apr-20	38	17-Apr-20	14,685,515		27-May-20
39	06-May-20	39	11-May-20	8,674,392		20-Jun-20
40	20-Jun-20	40	29-Jun-20	11,492,085		04-Aug-20
41	14-Jul-20	41	16-Jul-20	17,479,360		28-Aug-20
42	28-Aug-20	42	28-Aug-20	15,535,731	641,006.25	12-Oct-20
43	12-Sep-20	43	16-Sep-20	22,738,054		27-Oct-20
44	29-Oct-20	44	03-Nov-20	18,357,848		13-Dec-20
45	13-Nov-20	45	18-Nov-20	79,002,100		28-Dec-20
46	22-Dec-20	46	28-Dec-20	18,101,938	12,934.08	05-Feb-21
47	22-Jan-21	47	27-Jan-21	28,895,993		08-Mar-21
48	26-Feb-21	48	26-Feb-21	18,046,595		12-Apr-21
49	22-Mar-21	49	27-Mar-21	12,177,261		06-May-21
50	11-Apr-21	50	15-Apr-21	105,933,373		26-May-21
51	15-Apr-21	51	24-Apr-21	8,659,218		30-May-21
52	18-Jun-21	52	26-Jun-21	22,498,685		02-Aug-21
53	06-Jul-21	53	08-Jul-21	22,274,250		20-Aug-21
54	24-Aug-21	54	02-Sep-21	6,968,066		08-Oct-21
55	24-Sep-21	55	01-Oct-21	5,436,112		08-Nov-21
56	06-Dec-21	56	15-Dec-21	14,485,408		20-Jan-22
57	18-Jan-22	57	27-Jan-22	8,255,319	17,028.08	04-Mar-22
58	08-Feb-22	58	11-Feb-22	119,768,095		25-Mar-22
59	23-Mar-22	59	24-Mar-22	27,388,195		07-May-22
60	22-May-22	60	27-May-22	8,921,704		08-Jul-22
61	06-Jul-22	61	22-Jul-22	9,959,510		20-Aug-22
62	26-Jul-22	62	01-Aug-22	19,934,095		09-Sep-22
63	26-Sep-22	63	07-Oct-22	15,673,379		10-Nov-22
64	02-Nov-22	64	16-Nov-22	7,380,082		17-Dec-22
65	17-Dec-22	65	11-Jan-23	10,140,134		31-Jan-23
66	02-Jan-23	66	17-Jan-23	6,452,224		16-Feb-23

**Total Amount in LC & FC**      1,191,682,573      1,307,509  
**Accepted Contract Amount**      **Rs 1,583,325,237**      **\$ 2,017,927**  
**Disbursement Progress with respect to ACA**      **75%**      **65%**  
**Total Contract Amount (Rs.)**      **1,785,117,937**

Details of Interim Payment Certificates of RV(Re-bid) – Contractor KGL						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	12-Jul-19	1 (Adv. Pay)	17-Jul-19	130,963,036		07-Aug-19
2	09-Mar-20	2	25-Mar-20	19,802,834		22-Apr-20
3	09-May-20	3	20-May-20	9,411,827		17-Jun-20
4	15-Aug-20	4	24-Aug-20	24,116,398		21-Sep-20
5	10-Oct-20	5	26-Oct-20	15,274,462		23-Nov-20
6	10-Dec-20	6	20-Dec-20	19,475,809		17-Jan-21
7	01-Feb-21	7	25-Feb-21	14,543,732		25-Mar-21
8	02-Apr-21	8	16-Apr-21	13,480,239		14-May-21
9	04-Jul-21	9	24-Jul-21	6,466,245		21-Aug-21
10	22-Nov-21	10	25-Nov-21	5,016,366		23-Dec-21
11	01-Apr-22	11	15-Apr-22	6,534,788		13-May-22
12	22-Aug-22	12	15-Sep-22	11,770,977		13-Oct-22
13	30-Dec-22	13	21-Jan-23	17,618,681		18-Feb-23

**Total Amount in LC**      294,475,394      =  
**Total Amount Certified (Rs.)**      294,475,394.00  
**Accepted Contract Amount**      **654,815,181**  
**Disbursement Progress with respect to ACA**      **44.97%**



Details of Interim Payment Certificates of LBRV-11 – Contractor M/s Zongmei							
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified			
				Local Currency	Foreign Currency	Due Date	
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	83,204,565	1,343,848	25-Jul-17	
2	02-Jul-19	2	27-Jul-19	10,967,224	244,073.58	27-Aug-19	
2	18-Oct-19	3	18-Oct-19	5,704,559	126,953.95	13-Dec-19	
4	01-Feb-20	4	10-Feb-20	7,097,482	157,953.19	28-Mar-20	
5	30-Apr-20	5	12-May-20	8,413,484	187,240.57	25-Jun-20	
6	20-Sep-20	6	06-Oct-20	14,612,501	315,475.78	15-Nov-20	
7	29-Dec-20	7	23-Jan-21	6,767,978	150,620.15	23-Feb-21	
8	06-May-21	8	03-Jun-21	8,090,729	127,265.24	01-Jul-21	
9	24-Nov-21	9	20-Dec-21	29,671,210	101,302.52	19-Jan-22	
10	31-Dec-21	10	24-Jan-22	59,080,621	172,441.90	25-Feb-22	
11	13-Apr-22	11	27-Apr-22	58,760,674	94,065.32	08-Jun-22	
12	18-Sep-22	12	10-Oct-22	8,191,493	85,705.12	13-Nov-22	

**Total Amount in LC & FC (1USD = 104.8462 PKR)**  
**(LC 30:FC 70)** 300,562,520 3,012,880

Total Amount Certified including LC & FC (Rs.) 616,451,539.06  
Accepted Contract Amount 1,120,509,415  
Disbursement Progress with respect to ACA 55.02%

Details of Interim Payment Certificates of LBRV-12 – Contractor M/s Zongmei							
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified			
				Local Currency	Foreign Currency	Due Date	
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	75,233,228	1,222,084	25-Jul-17	
2	05-Feb-20	2	18-Feb-20	5,697,404	126,794.70	01-Apr-20	
3	05-Jun-20	3	15-Jun-20	6,263,338	139,389.45	31-Jul-20	
4	09-Nov-20	4	01-Dec-20	5,732,406	127,573.68	04-Jan-21	
5	03-Dec-20	5	29-Dec-20	7,530,157	167,582.29	28-Jan-21	
6	05-Jul-21	6	24-Jul-21	8,933,670	198,817.22	30-Aug-21	
7	25-Dec-21	7	08-Jan-22	7,712,692	171,644.56	19-Feb-22	
8	28-Mar-22	8	23-Apr-22	36,548,959	150,462.38	23-May-22	
9	30-May-22	9	26-Jun-22	28,572,688	61,502.53	25-Jul-22	
10	01-Oct-22	10	27-Oct-22	46,629,121	124,209.29	26-Nov-22	

**Total Amount in LC & FC (1USD = 104.8462 PKR)**  
**(LC 30:FC 70)** 228,853,663 2,490,060

Total Amount Certified including LC & FC (Rs.) 489,927,002.26  
Accepted Contract Amount 1,016,820,466  
Disbursement Progress with respect to ACA 48.18%

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

**Total Amount in LC & FC (1USD = 105.3 PKR)**  
**(LC 70:FC 30)** 54,937,530 182,814

Total Amount Certified including LC & FC (Rs.) 74,187,844.20  
Accepted Contract Amount 370,939,497  
Disbursement Progress with respect to ACA 20.00%

# **APPENDIX G**

## **Details of Claims/Notifications**

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**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)	
<b>Details of Claims/Notifications of KKH-01 – Contractor CCECC</b>							
1	KKH-01/C-1/C-4 Unification 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 <b>20/07/2017</b> . Principle of claim was approved. <b>Contractor's substantiation for Additional cost awaited. Contractor provides expense record in interim submissions without establishing cause-effect link.</b>
		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. <b>Awaiting Contractor's substantiation.</b>
		On 13/08/18, Contractor submitted Cost Claim - Extension of Workman Insurance	6,236,907		5,597,225		The Engineer recommended Interim entitlements- dated <b>13-Oct-2018</b> . The Employer agreed to include the Claim Cost 5,330,690 excluding the 'Profit' in IPC. (dated Employer's letter <b>24-03-2020</b> ) <b>Claim Paid.</b>
		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 <b>1-Jun-2019</b> . The Initial assessment of the claim was sent to both parties for their agreement. (dated <b>23-Dec-2019</b> ). <b>Awaiting the Employer's Response</b>
		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. <b>Employer replied to process it after 3rd EOT approval.</b>
		23-02-2022, Contractor's Cost claim regarding extension of Insurances and Guarantees	156,432,253	510,140	130,918,270	481,256	<b>the Engineer issued his assessment/determination on 25-04-2022</b>
2	KKH-01/C-5 Force Majeure-Heavy Rainfall and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to heavy rain caused land sliding and blockage of KKH					<b>The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 28-04-2016 (Ref:16-043) Contractor's substantiation awaited</b>
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					<b>The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 11/05/2016 (Ref: 16-051) Contractor's substantiation awaited</b>
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					<b>The Engineer asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 23-05-2016 (Ref:16-060) Contractor's substantiation awaited</b>
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		-		<b>The principle of the Contractor's claim is disapproved. DHC letter - dated 9-Aug-2017.(Ref:028) Claim Disapproved</b>
6	KKH-01/C-9 Uchar Slope Collapse	On 05/06/2016 the Contractor modified claim for extension of time and additional cost due to Huge Slope Collapse at Uchar.					<b>The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 20-07-2016 (Ref:16-086) Contractor's substantiation awaited</b>
7	KKH-01/C-10 Stone Slide EOT	On 14/07/2016 the Contractor modified claim for extension of time and additional cost due to Huge Stone Slide at Barseen					<b>The Engineer acknowledged and asked the contractor to submit full and detailed particulars via DHC letter dated 04/08/2016 (Ref:16-100) Contractor's substantiation awaited</b>
8	KKH-01/C-11 Dumping at Barseen EOT	On 02/09/2016 the Contractor modified claim for extension of time and additional cost due to difficulty in Dumping at Barseen Spoil Bank					<b>The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 05-09-2016 (Ref:16-109) Contractor's substantiation awaited</b>
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. <b>DHC letter - dated 19-09-2016 (Ref:113). Contractor's substantiation awaited.</b>

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

**Appendix G [2/12]**

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
10	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> <b>Contractor's substantiation awaited.</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
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> <b>Contractor's substantiation awaited</b>
20	KKH-01/C-23 - Demobilization of Labour belongs to Gilgit	On 28/03/21, the Contractor notified claim due to Demobilization of Labour belongs to Gilgit					<i>DHC letter - dated 1-Apr-2021 (Ref:063)</i> <b>Contractor's substantiation awaited</b>
21	KKH-01/C-24B Stoppage of work by dismissed employees and locals.	On 8/07/21, the Contractor notified claim due to stoppage of work by dismissed employees and locals.					<i>DHC letter - dated 24-Aug-2021 (Ref:147)</i> <b>Contractor's substantiation awaited</b>
22	KKH-01/C-24A IED Blast Incident	On 2/08/21, the Contractor notified claim due to stoppage of work due to IED Blast Incident					<i>DHC letter - dated 13-Aug-2021 (Ref:144)</i> <b>Contractor's substantiation awaited</b>
23	KKH-01/C-25Increase 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> <b>Contractor's substantiation awaited</b>
25	KKH-01/C-26 Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah	On 13/08/2022, the Contractor notified its intention to claim for Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah					<i>DHC letter - dated 31-August-2022 (Ref:134)</i> <b>Contractor's substantiation awaited</b>
26	KKH-01/C-27 Closure of KKH due to Flash Floods	On 28/08/2022, and 30/08/2022 the Contractor notified its intention to claim for additional cost and time due to closure of Karakoram Highway because of Flash Floods					<i>DHC letter - dated 01-September-2022 (Ref:135)</i> <b>Contractor's substantiation awaited</b>
27	KKH-01/C28 Heavy snow and rainfall	On 11-02-2023, the Contractor submitted the notice of claim for additional cost and time due to heavy snow and rainfall.					The Engineer registered the claim on 17/02/2023
28	KKH-01-C-29 Increase in sales tax from 17% to 18%	On 25-02-2023 the Contractor submitted the notice to claim for additional cost due to the increase in sales tax from 17% to 18%.					The Engineer registered the claim on 2/03/2023
<b>Details of Claims/Notifications of RAR-01 – Contractor CCECC</b>							
1	RAR-01/C1-C4 Unification 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. <b>Contractor's substantiation for Additional cost awaited. Contractor provides expense record in interim submissions without establishing cause-effect link.</b>

**Dasu Hydropower Project**  
**Monthly Progress Report No. 104 (March 2023)**

**Appendix G [3/12]**

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)	
		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). <b>Contractor's substantiation awaited</b>
		The Contractor on 7-09-2022 and 14-10-2022 submitted the Inflation Claim for Section of Works K0 to K12.	366,166,698	399,480	275,168,491	181,613	The Engineer made his determination on 27-Oct-2022 via DHC letter DHC/DASU/WAPDA.RAR-01/PM/22-098 <b>Claim Paid</b>
		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) <b>Claim Paid.</b>
		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]. <b>Claim Paid.</b>
		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]. <b>Claim Paid.</b>
		On 18/05/19 Contractor submitted Claim - Extending the Advance Payment Guarantee and Performance Guarantee	4,683,011	70,888.15	2,348,945.00	60,581.25	The Employer was requested to verify the supporting doc of the claim. DHC letter - dated 1-Jun-2019 (Ref:161). The additional contemporary record was provided by Contractor at end Aug 19. The Engineer shared his assessment with both parties on 29-Nov-2019. <b>Awaiting the Employer's Response. [Contractor]</b>
		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	<b>the Engineer issued his assessment/determination on 12-04-2022</b>
		On 18th Sep 2022 and 18th Oct 2022, Contractor submitted the claim for additional management cost for delayed period.	253,941,282		165,844,406		<b>The Engineer provided his determination on 29th Dec 2022</b>
2	RAR-01/C-05 Force Majeure-Heavy Rainfall and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to heavy rainfall and land sliding (Force Majeure)					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) <b>Contractor's substantiation awaited</b>
3	RAR-01/C-6 Delayed Drawings EOT	On 19/05/16 Contractor notified claim for Time and Additional Cost Incurred by Delayed Cross Section Drawings					The Engineer asked the contractor to submit full and detailed particulars according to 1.9 "Delayed Drawings or Instructions" & 20.1 "Contractor's Claim". DHC letter - dated: 24-05-2016 <b>Contractor's substantiation awaited</b>
4	RAR-01/C-7 Stoppage of works by local people	On 9/10/2016 the Contractor notified claim for extension of time and additional cost due to stoppage of work at construction of retaining wall by local people					The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 17-10-2016 (Ref:16-080) <b>Contractor's substantiation awaited</b>
5	RAR-01/C-8 Stoppage of work by local resident	On 31/07/2017 the Contractor notified claim for the extension of time and additional cost due to stoppage of compaction by local resident					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) <b>Contractor's substantiation awaited</b>
6	RAR-01/C-09 Force majeure linked to massive land sliding at K6.	On 07/03/19 Contractor notified claim for Extension and Additional Cost due to stoppage of works - Force majeure linked to massive land sliding at K6.					The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. DHC letter - dated: 08-03-2019 (Ref:042) <b>Contractor's substantiation awaited</b>
7	RAR-01/C-10 Force Majeure - Heavy Rain	On 22/08/19 & 27/08/19 Contractor notified claim for Extension and Additional Cost due to Force Majeure- Heavy Rainfall					The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. DHC letter - dated: 4-9-2019 (Ref:168) <b>Contractor's substantiation awaited</b>

**Dasu Hydropower Project**  
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**Appendix G [4/12]**

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)	
8	RAR-01/C-11 Force Majeure-strike by 80 Members Dam Committee	On 08/10/19 Contractor notified claim for Force Majeure that was instigated by the protest of the 80-Member Dam Committee. Works' stoppage period [18 Sep 19 to 4 Oct 19]					DHC letter - dated 12-Oct-2019 (Ref:202) <b>Contractor's substantiation awaited</b>
9	RAR-01/C-12 Claim due to outbreak of ·Corina Virus (2019-nCoV)	On 15/07/2020 Contractor notified claim for Site progress delay caused by inconvenient material mobilization (Steel), purchasing and other impacting due to 2019-nCov under GC 19.4, 3.1, 13.7					DHC letter dated 24-July-2020 (Ref:124) <b>Contractor's substantiation awaited</b>
10	RAR-01/C-13 Claim due to due to Shortage of Fuel	On 13/06/20 Contractor notified claim for Intention to claim extension of time and additional cost due to shortage of fuel under Sub Clause 8.4 and Sub-Clause 19.4 of General Condition of Contracts.					DHC letter - dated 29-June-2020 (Ref:104) <b>Contractor's substantiation awaited</b>
11	RAR-01/C-14 Damages Due to Massive Land Sliding	On 2/08.21, Notice of Claim - Damages Due to Massive Land Sliding Blocking of RAR-01					DHC letter - dated 24-Aug-2021 (Ref:096) <b>Contractor's substantiation awaited</b>
12	RAR-01/C-15A 2021- Change in Legislation -KPK PST	on 17th Dec 2021, Notice of Claim- Increase in KPK provisional Sales Tax.					DHC letter- dated 27th Dec 2021 (Ref: 137) <b>Claim Registered</b>
13	RAR-01/C-15B Rainfall-Land Sliding and Blockage of RAR-01	On 3rd Sep 2021 the Contractor requested to register claim regarding Rainfall and landslide as RAR-01/C-15					DHC letter-dated 08-Sep-2021 (Ref:105) <b>Claim Registered</b>
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 acquisition and social issues on Komila bypass					DHC letter-dated 02-June-2022 (Ref:054) <b>Claim Registered</b>
15	RAR-01/C-17 Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah	On 13/08/2022, the Contractor notified its intention to claim for Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah					DHC letter - dated 31-August-2022 (Ref:076) <b>Contractor's substantiation awaited</b>
16	RAR-01/C-18 Closure of KKH due to Flash Floods	On 28/08/2022 and 30/08/2022 the Contractor notified its intention to claim for additional cost and time due to closure of Karakoram Highway because of Flash Floods					DHC letter - dated 01-September-2022 (Ref:077) <b>Contractor's substantiation awaited</b>
19	RAR-01/C19 - Increase in sales tax from 17% & to 18%	On 25-02-2023 the Contractor submitted the notice to claim for additional cost due to the increase in sales tax from 17% to 18%.					The Engineer registered the claim on 2/03/2023
<b>Details of Claims/Notifications of TL-01 – Contractor PCCC</b>							
1	TL-01/C-1Idle Cost Claim [Direct Cost]	On 14/02/18, Contractor submitted idle Direct cost claim for the period of 2-Nov-2015 to 31-Dec-2016	7,109,690		3,766,650		Employer's approval to pay in IPC received on <b>2-8-2019.Claim Paid.</b>
		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 relieved on <b>5-8-2019. Claim Paid.</b>
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 received on <b>23-10-20. Claim Paid.</b>
		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 received on <b>31-1-22. Claim Paid.</b>
		On 06/07/20, Contractor submitted Chinese Staff's Social Insurance June 2016 to December 2019	65,054,640				<b>Contractor agreed that this claim to be considered along with other Management claim.</b>
3	TL-01/C-1 2nd Interim claim Overhead Claim (Management, offices camp etc) - [Indirect Cost]	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		<b>The Engineer sent his evaluation to the Employer for approval on 1-06-2022</b>
		On 18/07/20, Contractor submitted Tentative and Abortive Claim.					<b>DHC/Dasu/PCCC/TL-01/rar/21-049 dated 15th April 2021 the Contractor <i>withdraw</i> his claim</b>
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 <b>23 February 2016. Claim Disapproved</b>
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 <b>29 April 2017. Claim Disapproved</b>

**Dasu Hydropower Project**  
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**Appendix G [5/12]**

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)	
6	TL-01/C-7 Care & Custody of Equipment	On 11/04/18, Contractor submitted claim of care and custody of Grid station and TL Equipment from Nov 2017 to 31st March 2018	7,632,186		444,645		Project Manager assessment submitted on 10-Jul-2018. The Employer agreed with PM Assessment. Contractor replied on 11-11-19 that he did not agree with PM assessment.
		On 18/02/19, Contractor submitted claim for Additional Charges for care & Custody of Grid Station Equipment from April 2018 to Nov 2018	2,393,313		227,025		Project Manager assessment submitted on 3-Sep-2019. The Employer agreed with PM Assessment. Contractor replied on 11-11-19 that he did not agree with PM assessment.
7	Extension of Insurance and Guarantee Policies	On 27/07/18, 15/11/2018 Contractor submitted claim for Additional charges - Extension of Insurance and Guarantee Policies	23,106,045		14,948,404		<b>Agreed and paid</b> GM/DP/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		<b>Claim Paid</b> GM/DP/DHPP/Contracts/TL-01/43/6869-73 dated 1/12/2021
8	Relocation of Tower route	On 14/01/19, Contractor's Notice of Claim with regard to Relocation of Towers					DHC letter - dated 18-January-2019. (Ref:010) Contractor's substantiation awaited.
9	Perceived Disruption to Excavation Work	On 28/02/19, Contractor notified Claim for Delayed land acquisition and ROW issues					DHC letter - dated 3-March-2019 (Ref:043). Contractor's substantiation awaited.
10	Price Adjustment for Market Inflation	On 18/02/19, Contractor submitted Claim for Price Adjustment as a result of market inflation during the extended period of work.	126,787,385		72,664,514		Principle of Claim submitted DHC letter DHC/Dasu/PCCC/TL-01/cad/22-087 dated 29th May, 2022. Delay Analysis required by the Contractor Engineer provided assessment report on quantification for agreement both parties, on 6-1-23 (23-005)
11	TI-01/C-8 Redesign and difficulty in execution of Grid Station	On 22/05/19, Contractor submitted Claim for Additional cost on account of redesigning of Grid Station.	47,157,647		3,898,986		The Project Manager issued Principle of claim and assessment. DHC/Dasu/WAPDA/TL-01/cad/22-052 dated 14th March 2022
12	Change proposal initiated and then Suspended	On 18/11/19, Contractor submitted Claim- Design and Procurement Cost for Preparing the Change Proposal(CR-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	<b>Agreed and paid</b> GM/DP/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 <b>withdraw</b> 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 <b>withdraw</b> this claim Ref. letter # DHC/Dasu/PCCC/TL-01-cad/22-054 dated 21Mard 2022
15	Outbreak of Corona Virus (2019-nCoV)	On 02/04/20 Contractor notified Force Majeure under GC Sub-Clause 37.1 due to outbreak of COVID19.					DHC letter - dated 15-April-2020 Awaiting for Contractor's detailed submission
16	TL-01/C-09 Right of Way	On 10/04/20, Contractor notified Notice for Extension in Time due to RoW issue					DHC letter - dated 18-April-2020 Awaiting for Contractor's detailed submission
17	TL-01/C-10 Slow Progress by Land Owner's Labour	On 12/03/21, Contractor notified Notice for additional cost due to Slow Progress by Land Owner Labour hired to assist the Employer in resolving RoW issue					PM replied via DHC/Dasu/PCCC/TL-01/CAD/22-015 dated 24th January 2022 Awaiting for Contractor's detailed submission
18	TL-01/C-11 Transportation and loading/unloading of Power Transformer	On 6th May 2021, the Contractor submitted a notice of claim regarding additional cost for the power transformer transportation and other associated costs					DHC letter - dated 1st June-2021 The Engineer registered the subject claim
<b>Details of Claims/Notifications of DASU-MW-01 – Contractor CGGC</b>							
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 without establishing+H91+H89:192+H89:193+H8+H89:1117
		Contractor submitted prolongation claim on 14-06-2022 at cut-off date 14-07-2021	8,115,076,911	77,805,148			The Engineer shared his preliminary report on principle of claim with both parties to have consensus on principles. The Engineer had various consultation meetings with the Employer and Contractor regarding discussion on evaluation.
		Contractor submitted Head Office claim on 14-06-2022 at cut-off date 14-07-2022	8,451,631,110				The Engineer submitted the Principle response on 18-02-2023 Ref: (127)



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**Appendix G [6/12]**

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
2	MW-01/C-02 Adjustment to Contracts Price due to change in legislation ( <b>Withholding Tax</b> )	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in the Income Ordinance (2001 ). Contractor submitted Claim notification dated 22/12/2017.					Engineer replied on <b>29-Oct-2019</b> and <b>23-Dec-2019</b> , asked the Contractor to submit additional supporting data for the Engineer to comment on principle of claim. <b>Additional documents are awaited to determine Time bar implication.</b>
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				<b>Engineer's principle of claim sent on 12-01-2021</b>
		Contractor again submitted on interim claim on 14-06-2022 due to disruption of local people upto Jan 2019	3,480,934	33,374			Engineer replied on <b>05-07-2022</b> with comments and asked for additional substantial documents in support of the claim On <b>1-Aug-2022</b> , the Contractor was once again asked to provide additional substantial documents. <b>Contractor's Response awaited</b>
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 <b>20-09-2018</b> , assessed and replied that the principle of the Contractor's Claim is disapproved pursuant to 19.4. <b>Claim denied.</b>
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 <b>5-11-2018 (Ref:442)</b> , the Contractor for the submission of detail claim. <b>Contractor's substantiation awaited.</b>
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 <b>5-11-2018 (Ref:443)</b> <b>Contractor's substantiation awaited.</b>
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 <b>18-03-2019</b> . The Contractor is fully responsible for the provision of electricity. <b>Claim denied.</b>
8	MW-01/C-08 Work Stoppage due Landslide Incident	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - Contractor submission on 16/02/2019 and 17/04/2019.	37,280,470				Replied on <b>18-03-2019</b> and <b>17-05-2019</b> . The formal notice of your intention to claim was provided outside of the 28 days' time-bar. <b>Claim denied.</b>
		The Contractor submitted a revised claim on 14-06-2022 after DB's decision Contractor provided the revised submission on 06-02-2023	5,572,820				Replied on <b>05-07-2022</b> and asked for additional substantial documents in support of the subject claim. <b>Contractor's response is awaited</b> The Engineer asked for the supporting documents on <b>24-02-2023 Ref:(191)</b> <b>Contractor's substantiation is awaited.</b>
9	MW-01/C-09 Change in Legislation Additional (Custom Duty/Tax on Import of Goods)	On 18/08/2019, Contractor Claim under a Change in Legislation due to the levy of additional customs duties and regulatory duties on the importation of Goods. Contractor submitted Interim Claim No 2 (Feb 2019 to Dec 2019) - dated 23/08/2020.	56,780,851	404,333			<b>Principle of claim issued -DHC/Dasu/CGGC/MW-01/cad/21-491 dated 17th Nov 2021</b>
		The Contractor on 14-06-2022 submitted claim for additional charges due to increase in various import taxes, at the cutoff date 31 Dec 2019	54,369,672	521,282			<b>Response submitted via DHC/Dasu/CGGC/MW-01/CAD/22-459 dated 12-09-2022</b> <b>Additional substantiation is awaited</b>
		The Contractor on 08-09-2022 submitted claim for additional charges due to increase in various import taxes, from Jan 2020 to Dec 2021					The Engineer responded on <b>12-Sep-2022</b> reiterating his stance as given in the Principle of Claim issued on <b>17-Nov-2021</b> and asked the Contractor to submit the Claims in accordance with the Principles The Engineer and the Contractor had a consultation meeting on <b>15-Oct-2022</b> and Contractor agreed to provide the working as per Engineer's Principles of Claim. <b>Evaluation report sent for agreement of both parties on 8-01-2023 (Ref:23-019)</b>
10	MW-01/C-10 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to "Force Majeure- strike by 80 Members Dam Committee" - [13/10/2019]					The Engineer replied on <b>25-Oct-2019</b> . <b>CGGC/MW-01/CD/DHC-510 dated 29th October 2019</b> <b>DHC/DASU/CGGC/MW-01/you/19-401 dated 2-Nov-2019</b> <b>EOT Claim to be considered in revised time for variation</b>
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 <b>12-03-2021</b>
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 <b>9/10/20</b> . Only EOT may be acceptable. Cost is Contractor's risk under Contract. <b>Principle of Claim denied.</b>

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**Appendix G [7/12]**

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)	
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 7-06-2022					<b>Claim Denied</b> <b>DHC/Dasu/CGGC/MW-01/CAD/22-502 dated 22-09-2022</b>
		The Contractor submitted interim claim of direct cost due to covid-19 on 09-07-2022, 25-09-2022 and 27-09-2022					The Engineer replied on 30-Sep-2022 <b>Claim Denied</b>
13	Claim for Crushing Plant and Batching Plant	Contractor submitted detail claim on 4-09-2019					The payment made in IPCs on pro-rata basis.
		The Contractor submitted revised claim on 12-04-2022	412,817,975	3,957,986			Engineer on 24-06-2022 submitted <b>Principle of Claim</b>
14	MW-01/C-13 Firing incident at River Diversion inlet area	Contractor submitted detail claim on 22-03-2021	224,592,226				Engineer Replied on 25-02-2021 (Ref:090) .
		The Contractor submitted revised claim on 14-06-2022 Contractor submitted the revised claim submission on 25-01-23	28,925,585				<b>Engineer's Principle of Claim sent on 30-08-2022</b> Contractor has been asked to resubmit the claim <b>Contractor's Entitlement to claim accepted under Sub-Clause 8.8 and 8.9 The Engineer asked for supporting documents on 22-02-2023 Ref:(142) Contractor's substantiation is awaited.</b>
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 <b>Principle of Claim denied.</b>
		The Contractor submitted revised claim on 14-06-2022	6,822,489	65,412			Engineer's principle of claim sent on 05-07-2022 <b>Principle of Claim denied.</b>
16	MW-01/C-14 Claim regarding 14-July Blast incident	On 24/07/21, Contractor notified claim due 14-July Blast incident	1,174,806,795	11,263,728			Engineer Replied on 12-08-2021 (Ref:358). <b>Contractor's substantiation awaited.</b> Engineer evaluated EOT of 103 days on 1-1-2023 (Ref:23-001) <b>Further Engineer will issue the Principle of claim after evaluating the Prolongation Claim</b>
17	MW-01/C-15 Amended Reinforcement Design	On 20/03/2022, the Contractor notified its intent to claim due to amended reinforcement design					DHC letter - dated 09-April-2022 (Ref:144) <b>Contractor's substantiation awaited.</b>
18	MW-01/C-16 Flood in Uchar Nullah	On 31/07/2022 and 10/08/2022, the Contractor notified its intent to claim due to Flood in Uchar Nullah					DHC letter - dated 15-August-2022 (Ref:402) <b>Contractor's substantiation awaited.</b>
19	MW-01/C-17 Natural Catastrophe	On 27/08/2022, the Contractor notified its intent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					DHC letter - dated 05-September-2022 (Ref:441) <b>Contractor's substantiation awaited.</b>
20	MW-01/C-18 Change In Legislation	On 20/02/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					DHC letter - dated 25-Feb-2023 (Ref:000) <b>Contractor's substantiation awaited.</b>
<b>Details of Claims/Notifications of DASU-MW-02 – Contractor CGGC</b>							
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 . <b>Principle of claim approved.</b> Contractor's substantiation for Additional cost and EOT awaited. Contractor provides expense record in interim submissions without establishing cause-effect link.
		The Contractor submitted prolongation claim at cut-off date 14-07-2021	5,191,161,238	49,771,488			Arranged a discussion meeting with the Contractor's personnels and asked for required substantial documents in support of the claim The Engineer is working on Principle of Claim. Target date is 30-Nov-2022
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. <b>Additional documents are awaited to determine Time bar implication.</b>
4	MW-02/C-03 Effective access to PTDC camp area MW-02/C-04 Delay in Issuance of Drawings	The Contractor on 23-01-2018 submitted claim due to prevention of effective access to PTDC camp area resulting stoppage of work. The Contractor has notified the intent to claim due to delay in the review of shop drawings - [29/10/2018]					Engineer registered the claim as MW-02/C-03 for future correspondences The Engineer (date 5 Nov. 2018) replied. <b>Contractor's substantiation awaited.</b>
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] <b>Claim denied.</b>

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**Appendix G [8/12]**

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)	
6	Work Stoppage due to Landslide Incident	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - [17/04/2019]	18,371,545				Formal notification of the Contractor's intention to claim was provided outside of the 28 days' time-bar- [Ref: date 8-May-19] <b>Claim denied.</b>
		The Contractor submitted revised claim on 14-06-2022	3,625,362	34,759			The Engineer submitted principle of claim on 5-07-2022. <b>Claim Denied</b>
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) <b>Contractor's substantiation awaited.</b>
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			<b>Principle of claim issued -DHC/Dasu/CGGC/MW-02/cad/21-215 dated 25th Nov 2021</b>
		The Contractor submitted revised claim on 14-06-2022 for various charges due to increase in Import taxes, at cutoff date 31-Dec-2019	30,284,297	290,358			The Engineer responded on 12-Sep-2022 reiterating his stance as given in the Principle of Claim issued on 17-Nov-2021 and asked the Contractor to submit the Claims in accordance with the Principles
		The Contractor submitted revised claim on 08-09-2022 for various charges due to increase in Import taxes, from Jan 2020 to Dec 2021					The Engineer and the Contractor has a consultation meeting on 15-Oct-2022 and Contractor agreed to provide the working as per Engineer's Principles of Claim. The Engineer provided assessment report for agreement of both parties on 8-01-2023 (Ref:23-009)
9	MW-02/C-08 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to "Force Majeure- strike by 80 Members Dam Committee" - [13/10/2019]					The Engineer replied on 25-Oct-2019 CGGC/MW-02/CD/DHC-306 dated 29th October 2019 DHC/DASU/CGGC/MW-02/you/19-207 dated 2- Nov 2019 EOT Claim to be considered in revised time for variation
10	MW-02/C-09 Unforeseeable Cost Due to Co-operation	On 04/09/2020, Contractor submitted first Interim Claim for the Period up to Dec 2018	8,418,715				Engineer's principle of claim sent on 12-01-2021 <b>Claim Denied</b>
11	MW-02/C-10 Outbreak of Corona Virus (2019-nCoV)	Contractor submitted nos. of interim Direct Cost claim for the Period up to 31 Jan 2021					The Engineer provided detailed response on 12/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract. <b>Principle of Claim denied.</b>
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 7-06-2022					<b>Claim disapproved via Engineer's correspondence dated 30-Sep-2022</b>
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 25-09-2022					
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 27-09-2022					
12	LNG Tank Accident - Barseen	Contractor's claim for the idle time as a result of the overturned LNG tank at the Barseen camp - [05/04/2020]	1,028,691				Engineer approved principle of Claim on 28-09-2020 . Asked the Contractor to substantiate actual additional Cost.
		The Contractor submitted revised claim on 14-06-2022	1,141,280		487,984		The Engineer submitted determination on 02-12-2022 <b>Claim Paid</b>
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) <b>Under Review by the Engineer</b>
		Contractor submitted revised claim on 14-06-2022	17,330,619	166,161			Engineer's Principle of Claim sent on 03-09-2022 Contractor has been asked to resubmit the claim. <b>Contractor's entitlement to Claim accepted under Sub-Clause 8.8 and 8.9</b>
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 <b>Principle of Claim denied.</b>
		The Contractor submitted revised claim on 14-06-2022	1,514,864	14,524			The engineer submitted Principle of claim on 5-07-2022. <b>Claim Denied</b>
15	MW-01/C-12 Claim regarding 14-July Blast incident	On 24/07/21, Contractor notified claim due 14-July Blast incident	607,523,703	5,824,772			Engineer Replied on 12-08-2021 (Ref:144). Engineer evaluated 103 days EOT on 1-1-2023 (Ref:23-001) The Engineer will issue the Principle of Claim after evaluating Prolongation claim. Engineer asked for additional documents on 29-01-23 Ref:(088) Contractor's substantiation is awaited

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**Appendix G [9/12]**

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)	
16	MW-02 Disruption Claim - [Work Hindrance by Local Residents]	Contractor submitted on [24/07/2020] first Interim disruption Claim for the Period up to Jan 2019	2,105,168				<i>Engineer's principle of claim sent on 14-01-2021. Claim Denied.</i>
		The Contractor submitted revised claim on 14-06-2022	76,250	731			<i>The Engineer respond on 05-07-2022 and disapproved the claim</i>
17	MW-02/C-13 Flood in Uchar Nullah	On 31/07/2022 and 10/08/2022, the Contractor notified its intent to claim due to Flood in Uchar Nullah					<i>DHC letter - dated 15-August-2022 (Ref:336) Contractor's substantiation awaited.</i>
18	MW-02/C-14 Natural Catastrophe	On 27/08/2022, the Contractor notified its intent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					<i>DHC letter - dated 05-September-2022 (Ref:372) Contractor's substantiation awaited.</i>
19	MW-02/C-15 Change In Legislation	On 20/02/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					<i>DHC letter - dated 25-Feb-2023 (Ref:000) Contractor's substantiation awaited.</i>
<b>Details of Claims/Notifications of DASU-LBRV-11 – Contractor Zhongmei</b>							
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 <b>6-Feb-2019 (Ref:033)</b>
2	LBRV-11/C-2U Unified the Work stoppage's claim nos. C-02, C-03, C-04, C-05 under LBRV-11/C-2U dated 20-09-2019	On 03/03/19, Contractor submitted Idle Cost Claim Works' stoppage linked to land acquisition issues	22,075,487		2,530,207		<i>Received Employer's approval via letter No. GM/PP/DHPP/Contracts/LBRV-11/71/13196-13200 dated 06-10-2022</i>
3	LBRV-11/C-06 Extension of Guarantees	On 31/05/19, Contractor submitted Claims for Additional Costs for extending performance & advance security					Replied on <b>10-Jun-2019 (Ref:102&amp;108)</b>
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. <b>DHC letter 21-Sep-2019 (153). Contractors letter:21-Oct-2019 DHC's letter: 29-Oct-2019</b>
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 <b>8-April-2020 (Ref:044)</b>
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		<b>Claim certified in IPC #12 [13th October 2022]</b>
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 <b>13th December 2021</b> . The Contractor shared his consent on <b>16th Dec 2021</b> .
		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 <b>16th March 2022</b> for their consent. The Contractor has submitted his consent on <b>19th March 2022</b> .
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	20,714,333	<b>Claim regarding extending the insurances guarantees certified in IPC #12 [13th October 2022]</b> <i>The Engineer issued his assessment to the Employer and to the Contractor on 19-12-2022</i>
8	LBRV-11/C-13 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-11					The Engineer on 9th March 2022 acknowledged the Contractor's notice of claim and instructed him to follow strictly the time line for the submission of detailed claim.
9	LBRV-11/C-14 Cost Claim for the change in legislation (PST)	the Employer served a notice to claim to the Contractor on 13-12-2022					The Engineer registered the claim on 11-01-2023.
<b>Details of Claims/Notifications of DASU-LBRV-12 – Contractor Zhongmei</b>							
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					<i>Engineer replied on 11-Feb-2019 (Ref:016). No further particulars submitted by the Contractor to date</i>
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					<i>Employer accorded approval to pay in IPC 23-8-2022 Claim Paid</i>
3	LBRV-12/C-02a Nasirabad-1 & 2 Site's Access Road	on 22/09/2019 Contractor notified Claim -Due to Stoppage Work by 80 member dam committee at Nasirabad-1&2 Sites.	1,341,148.80		547,679		<i>Employer accorded approval to pay in IPC 22-12-2021 Claim Paid</i>

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**Appendix G [10/12]**

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
4	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 <b>10-Jun-2019 (Ref:043 &amp; 044)</b> This claim has merged in "LBRV-12/C-06
5	LBRV-12/C-04 Claim due to outbreak of Corona 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 <b>8-April-2020 (Ref:044)</b>
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 <b>IPC 26-6-2022 Claim Paid</b>
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 Engineer assess the cost for extending the project insurances and guarantees. Employer accorded approval to pay in <b>IPC 26-6-2022 Claim Paid</b>
					17,234,706.00		The Engineer issued his assessment to the Employer and to the Contractor on <b>19-12-2022</b>
8	LBRV-12/C-07 Delay in issuance of Drawings	The Contractor on 5th August 2021, has submitted a 1st, 2nd and 3rd interim claim regarding the non-issuance of constructions drawings of mosque due to delay in finalization of Mosque location.					The principle of claim has been forwarded to the Contractor and to the Employer on <b>20th Sep 2021</b>
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 <b>9th March 2022</b> acknowledged the Contractor's notice of claim and instructed him to follow strictly the time line for the submission of detailed claim.
10	LBRV-12/C-09 Cost Claim for the change in legislation (PST)	the Employer served a notice to claim to the Contractor on 13-12-2022					The Engineer registered the claim on 11-01-2023.
<b>Total Additional Cost</b>			<b>267,615,620</b>	-	<b>24,919,516</b>	-	
<b>Details of Claims/Notifications of DASU-PCI-01R – Contractor CGICOP</b>							
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 <b>22-Jun-2019 (Ref:061)</b> Notice of Claim has been acknowledged. <b>Waiting for the Contractor's Submission</b>
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 late issuance of construction drawings of residence category 1 & 2 didn't cause any impacts on the Works. The Engineer replied on <b>26-Aug-2019 (Ref:113)</b> , and <b>29-Aug-2019 (Ref:118)</b> The Engineer replied on <b>27-Sep-2019 (147)</b> The Contractor's submission only signifies the provision of cost records for expenses. The Engineer submitted the Project's Manager explanatory note on <b>5th August 2021</b> <b>Particulars not yet submitted by the Contractor</b>
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. <b>Waiting for the Contractor to submit record to substantiate his claim</b>
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 Nov 2019					The Engineer replied on 14-11-2019 Notice of Claim has been acknowledged. <b>Waiting for the Contractor's Submission</b>
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.					<b>Principle of Cost Claim rejected dated 25-July-2020 (Ref:244)</b>
6	Additional Test-Petrographic	On 04/06/20, Contractor submitted EOT and Cost plus profit	462,483				<b>Principle of Claim was rejected dated 7-July-2020 (Ref:229)</b>
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 <b>29-June-2020</b> <b>waiting for the Contractor's submission</b>

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**Appendix G [11/12]**

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
9	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. <b>Waiting for the Contractor's submission</b>
10	Contractor's cost claim for renewal insurance policies	Contractor's cost claim for renewal insurance policies for the extended period of time	10,304,710				The Engineer provided his response via letter No. <b>DHC/Dasu/CGICOP/PCI-01R/CAD/22-248 dated 28-Sep-2022</b>
11	PCI-01R/C-08 KKH Road Blockage						
12	PCI-01R/C-09 Employer's Claim regarding Change in Legislation (PST)	The Employer served a notice to claim to the Contractor on 9-12-2022					The Engineer registered the claim on 11-01-2023.
<b>Total Additional Cost</b>			<b>311,185,940</b>	-	-	-	
<b>Details of Claims/Notifications of DASU-RV – Contractor KGL</b>							
1	RV/C-01 Works' stoppage linked to land acquisition issues at Additional Choochang Sites	On 24/12/19, Contractor notified Claim for Additional Costs and Time due to a Works' stoppage linked to land acquisition issues with original landowners at Additional Choochang Sites					Maintain contemporary records in support of your claim and follow the timeline for the submission of any claims as per the Contract. The Engineer's letter dated <b>28-Dec-2019</b>
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 <b>22-Jan-2020</b>
3	RV/C-03 Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	On 29/09/20, Contractor submitted claim for Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	38,780,332		4,108,731		Claim paid on 21-01-2023
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 <b>29-April-2020</b>
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 <b>14-October-2021</b> . The Contractor has withdrawn his claim and re-submitted it on <b>29th March 2022</b> .
6	RV/C-06 Hindrance at Site and Non Issuance of Drawing, Masjid Location and Non-Approval of Extension of Time	on 26 October 2021, Contractor has submitted Early Warning under Clause 31 and provided his intention to claim under Clause 27 & 42					The Engineer's on <b>09-November-2021</b> registered the claim and requested the contractor to maintain and submit contemporary record regard the events.
7	Contractor's claim regarding Price Adjustment	Contractor on 20th December 2022 submitted his claim regarding Price adjustment due to EOT	5,510,783				The Project Manager responses via letter no. 23-006 on 20th January 2023 that the requisite delay analysis is not submitted by the Contract therefore cannot be assess until the submission of required documents
<b>Details of Claims/Notifications of EM-01 – Joint Venture (GE-PC JV)</b>							
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 <b>Contractor's Submissions are awaited.</b>
2	EM-01/C-02 Delay in Land Handover for Site Camp	on 12-12-2021 the Contractor submitted 6th interim claim for extension of time and additional cost due to delay in land handover for the Contractor's site camp	23,598,372				DHC letter - dated 10-May-2022 (Ref:112) DHC letter- dated 10-Nov-2022 (Ref:389) DHC letter- dated 6-Dec-2022 (Ref:420) <b>Claim denied</b>
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 <b>Claim denied.</b>
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 <b>Claim denied.</b>
5	EM-01/C-05 Right of Way	On 18-08-2022 the Contractor notified claim due to right of way issues at EM-01 site camp construction.					The Project Manager registered the claim on 25-August-2022 <b>Contractor's Submissions are awaited.</b> Engineer submitted principle of claim and the claim rejected on <b>14-02-23 Red: (041)</b>

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**Appendix G [12/12]**

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)	
6	EM-01/C-06 Change of Coordination Events	On 5th Nov 2022 the Contractor notified the claim for extension of time due to change in coordination events.					<i>Explanatory note for the Employer has been submitted vide letter DHC/Dasu/WAPDA/EM-01/CAD/22-431 dated 13-12-2022. Wherein the principle of Claim accepted. Principle of claim submitted on 18-03-2023 (Ref:087) Contractor's Submission is awaited</i>
7	EM-01/C-07 Delay in Generation of Financial Instrument (FI) Number by the Employer's Bank	On 6th Dec 2022 the Contractor notified the claim for extension of time and additional cost vide letter Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0457.					<i>The Contractor's Submission is awaited</i>
8	EM-01/C-08 - Temporary Storage Cost at Ghazi Brotha	On 6th Dec 2022 the Contractor notified the claim for and additional cost vide letter Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0449.					<i>The Contractor's Submission is awaited</i>
9	EM-01/C-09 Delay in generation of FI number for shipment No 2	On 21-02-2023, the Contractor submitted the notice of claim due to the delay in generation of FI number by the Employer for goods declaration of second batch of shipment.					<i>The Contractor's Submission is awaited</i>
<b>Details of Claims/Notifications of RAR-02 – Contractor CGGC</b>							
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					<i>The Engineer registered the claim on 9-June-2021 Contractor's Submissions are awaited.</i>
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					<i>The Engineer registered the claim on 12-Aug-2021 DHC letter - dated 30-May-2022 (Ref:047) Contractor's Submissions are awaited. Engineer evaluated 103 days EOT on 1-1-2023 (Ref:23-001) Engineer asked for additional documents on 30-01-2023 Ref:(017)</i>
3	Notice to Claim due to Lack of Fuel	On 10-05-2022 the Contractor notified the claim for additional cost and extension of time due to lack of fuel					<i>DHC letter dated 12-May-2022 (Ref:037) Claim Denied</i>
4	RAR-02/C-04 Influence of Covid-19 Outbreak	On 30-08-2021 the Contractor notified the claim for additional cost and extension of time due to Covid-19 influence					<i>The Engineer registered the claim on 17-Sep-2021 Contractor's Submissions are awaited.</i>
5	RAR-02/C-5 Flood in Uchar Nullah	On 10/08/2022, the Contractor notified its intent to claim due to Flood in Uchar Nullah					<i>DHC letter - dated 15-August-2022 (Ref:071) Contractor's substantiation awaited.</i>
6	RAR-02/C-6 Natural Catastrophe	On 27/08/2022, the Contractor notified its intent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					<i>DHC letter - dated 05-September-2022 (Ref:077) Contractor's substantiation awaited.</i>
7	RAR-02/C-7 Change In Legislation	On 20/02/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					<i>DHC letter - dated 25-Feb-2023 (Ref:000) Contractor's substantiation awaited.</i>
<b>Details of Claims/Notifications of KKH-02 – Contractor CGGC</b>							
1	KKH-02/C-01 Delay in Handing Over	On 01/06/2022 the Contractor notified the claim for additional cost due to delay in handing over of the land					<i>DHC letter - dated 06-June-2022 (Ref:059) Contractor's substantiation awaited.</i>
2	KKH-02/C-02 Occupation of Contractor's Dormitories by Army Personnel	On 04/08/2022, the Contractor notified its intent to claim due to occupation of its Pakistani staffs' dormitories by the Army Personnel					<i>DHC letter - dated 10-August-2022 (Ref:097) Contractor's substantiation awaited.</i>
3	KKH-02/C-3 Flood in Uchar Nullah	On 18/08/2022, the Contractor notified its intent to claim due to Flood in Uchar Nullah					<i>DHC letter - dated 05-September-2022 (Ref:105) Contractor's substantiation awaited.</i>
4	KKH-02/C-4 Natural Catastrophe	On 29/08/2022, the Contractor notified its intent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					<i>DHC letter - dated 05-September-2022 (Ref:106) Contractor's substantiation awaited.</i>
5	KKH-02/C-05 Disruption of Works	On 1-02-2023, the Contractor submitted notice to claim for additional cost and time due to disruption of works.					<i>DHC letter - dated 09-February-2023 (Ref:106) Contractor's substantiation awaited.</i>
6	KKH-02/C-6 Change In Legislation	On 20/02/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					<i>DHC letter - dated 25-Feb-2023 (Ref:000) Contractor's substantiation awaited.</i>
7	KKH-02/C-07 Claim due to heavy rainfall and snow	On 16-02-2023, the Contractor submitted the notice to claim due to heavy rainfall and snow.					<i>DHC letter - dated 06-Mar-2023 (Ref:052) Contractor's substantiation awaited.</i>

# **APPENDIX H**

## **Variation Status**

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**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.
9	EI-009 Relocation of Existing Water Supply line between K2+400 to K3+600 (dated 30-05-2016)	1,292,582		1,292,582	Signed and Issued on 30-May-16
10	Construction of RCC Retaining Wall	57,415,037			Variation Order issued on Provisional rates on 31-Oct-2017
<b>Total</b>				<b>(130,188,447)</b>	

**Status of Issued Variations for KKH-01**

Sr. No.	VO Description and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Security Building (dated 29-01-2017)	9,155,532	-	9,155,532	Superseded by VO-001R
	VO-001: Prefabricated Security Personnel Building (Uchar Camp)	11,987,906	-	11,987,906	Signed VO Issued on 24th June 2022
2	VO-002: Relocation of Explosive Magazine	6,972,310	-	6,972,310	Singed VO Issued on 25-3-2020
3	VO-003: Slope Stabilization at certain areas of Barseen, Kaigah and Khoshe Section	99,638,316	-	99,638,316	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	VO-008: Improvement of khooshe Access Road	32,072,330	-	32,072,330	Singed VO Issued on 08-10-2022
9	Relocation of Water Supply Facilities in Uchar Village Situated within ROW of the Spoil Dumping Site at Uchar	11,616,918 (p)	-	11,616,918	Final Variation Order is ready, however, Contractor has not signed yet. Work has been completed. Provisional Interim payment was made.
<b>Total</b>				<b>22,574,388,209</b>	

**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	VO-01: Geological investigation of Bridges	44,295,245 (p)	9,904,619	34,390,626	VO issued on 21-02-2023
2	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
3	KKH:02/V0-002A Gober Bridge (PC Single Box Girder)	751,420,293 (p)	432,186,875	319,233,418	Instructions Issued on 24 March 2023
4	KKH:02/V0-002B Summer Bridge (PC Single Box Girder)	1,292,735,563 (p)	976,186,375	316,549,188	Instructions Issued on 24 March 2024
5	KKH:02/V0-002C Laachi Tunnel	806,185,215 (p)	484,105,777	322,079,438	Instructions Issued on 24 March 2025
6	KKH:02/V0-002D Looter Bridge (Concrete Arch)	735,186,285 (p)	425,298,030	309,888,255	Instructions Issued on 24 March 2026

7	KKH-02/VO-002E Access Roads				Under Preparation
8	VO-002F/T Construction of 7 Tunnels	11,793,348,285 (p)			Under Preparation
9	VO-002F/BI Construction of 2 PC Single Box Girder Bridges	2,101,893,220 (p)	1,794,604,013.00	12,893,589,601	Under Preparation
10	VO-002F/BII Construction of Concrete Arch Bridge	792,952,109 (p)			Under Preparation
<b>Total</b>				<b>14,195,730,526</b>	

**Status of Issued Variations for TL-01**

Sr. No.	VO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	CO-001: [Backfilling with concrete instead of filling with Borrow Material in the foundations of the 132 KV Towers]	62,328,200	-	62,328,200	The Employer Issued formal Change Order on 6-Dec-2019. Work is InProgress.
2	CO-002: Double Circuit 220kV type Towers with twin bundle "Rail" Conductor from NTDC's Tower no. JKD-5 to Keyal Khwar HPP instead of Single Circuit ZM type Tower with LYNX from Dubair Khwar HPS to Keyal Khwar	187,054,511	-	187,054,511	The Employer Issued formal Change Order on 3-July-2020.
3	CO-003: Procurement, Installation, Construction and Erection of Tower Types ED & EG.	40,978,335 (p)	25,651,753	15,326,582	Employer issued Pending Change Order on 14-7-2020. Final CO will be issued after finalization of Land matters.
4	CO-004: Procurement of Grid station connectors and hydraulic compression Engine with dyes	-	-		It was a negative Variation and the Employer intends to proceed for approval along with the approval of CO-003
5	CO-005: Providing and laying of random rubble masonry and backfilling of retaining wall located at the grid station	46,660,889	-	46,660,889	The Employer Issued formal Change Order on 26-April-2022.
<b>Total</b>				<b>311,370,182</b>	

**Status of Issued Variations for MW-01**

Sr. No.	VO Description and Number	Engineer Estimate (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001 : Varied Works of Construction Roads and Platform for Diversion Facilities [Excluding Price Adjustment amount]	967,498,672	-	967,498,672	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-031 dated 16th January 2022.
2	VO-002 : Varied Works for Work Adits of Diversion Facilities [Excluding Price Adjustment amount]	1,275,244,643	-	1,275,244,643	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-034 dated 16th January 2022.
3	VO-03 : Diversion Tunnel Variation [Excluding Price Adjustment amount]	19,804,974,224	9,285,141,634	10,519,832,590	Variations issued on DHC/Dasu/CGGC/MW-01/CAD/21-499 dated 23rd November 2021
4	VO-04A : Varied Works for the traffic Diversion utilizing the LB Flushing Tunnel [Excluding Price Adjustment amount]	1,010,201,407	-	1,010,201,407	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-030 dated 16th January 2022.
5	VO-04B : Operation and Maintenance of Traffic Diversion Tunnel	180,936,697			Under Preparation. The Engineer will issue RFP by 15-03-2023.
6	VO-05 : Land Lease for Contractor's Facilities at Purana Gao-Seo Area Phase -1	81,944,089	-	81,944,089	Variation Order signed and issued on 4-July-2020
7	VO-06 : For Provision of Power Supply to No.1 Crushing and Batching Plant	1,772,000,000		1,772,000,000	The Engineer made his determination and issued via DHC/Dasu/CGGC/MW-01/CAD/22-494 dated 26th Sep 2022
8	Diversion Tunnel Gates and Hoists	3,500,000,000			Under Preparation (The Contractor sent the proposal on 2-01-2023)
9	VO-07 : Permanent Access Road LU2 and CR5-2 Roads	595,000,000			Under Preparation (The Contractor sent the proposal on 22-02-2023)
<b>Total</b>				<b>15,626,721,401</b>	

**Status of Issued Variations for MW-02**

Total Accepted Contract Amount (PKR)	64,426,426,087
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P.S Amount (incl. 13.7, 13.8, 4.12, 7.5) in Contract (PKR)	8,330,000,000
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Note: Variations resulting in an increase of the Accepted Contract Amount in excess of five percent (5%) shall require approval of the Employer. Ref 3.1 (b)(ii) Contract Data

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: Reinforcement of Main Access Tunnel Portal and Platform	660,190,000 (p)	71,130,000	589,060,000 (p)	The Contractor's proposal is PKR.218,905,467. The final assessment and draft VO document will be submitted in Feb-2023. Expected to be agreed or determined in Mar-2023.
2	VO/002: Tailrace Tunnel (Modification to Circular Tunnel)	6,553,000,000 (p)	4,486,000,000	2,067,000,000 (p)	The Engineer will issue RFP by the end of February 2023.

**Status of Issued Variations for PCI-01R**

Sr. No.	VO Description and Number	Contractor Proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Providing and Applying Emulsified Bitumen 2kg/m <sup>2</sup>	13,087,205	-	13,087,205	Signed VO issued on 14-09-2021

**Dasu Hydropower Project**  
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**Appendix H [3/4]**

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 Gauge in Plaster Works	10,259,865		10,259,865	Signed VO issued on 14-09-2021
6	VO-006: Supply, Installation & Commissioning of Overhead Water Tanks for Project Office & Residences Category-2 Buildings	3,229,430	-	3,229,430	The Engineer issued his determination on 25-05-2022
7	VO-007: Providing & Installation of geotextile on weep holes before the backfilling of retaining walls complete in all respect	371,670	-	371,670	Signed VO issued on 14-09-2021
8	VO-008: External Water Supply to Uchar Site-1	8,466,376	-	8,466,376	Signed VO issued on 14-09-2021
9	Water Supply from Indus River (1st Stage) From Intake to Treatment Plant (existing KKH-01)	88,176,234 (p)		88,176,234 (p)	The Contractor requested to consider the cost of treatment plant and pumps on Provision Sum basis, therefore, when he will submit the quotations, the VO will be finalized accordingly.
	Water Supply from Indus River (2nd Stage) (From existing KKH-01 to Colony Water Tank)	93,076,945 (p)	-	93,076,945 (p)	The rates for 2nd stage has been issued to the Contractor on 13th August 2021. For, pipe related items, the mutually agreed rates were issued to the Contractor on 29th Dec 2021. VO shall be issued after finalization of all rates.
10	VO-010: Modification of Power Cable Size at Project Colony	29,103,816	20,450,032	8,653,784	The Engineer on 01 March 2022 has issued a draft VO via letter DHC/Dasu/CGICOP/PCI-01R/CAD/22-059 to the Employer and to the Contractor for review and consent.
11	VO-011: Supply and Installation of False Ceiling (Gypsum Board) in Project Office Building.-False Ceiling of Plaster of Paris(Reduced Work)	4,374,000	4,564,382	(190,382)	Signed and issued on 19 July 2022
12	VO-012:Supply and Installation of Expansion Joint Filler and Backing Rod in Project Office, Community Centre, Hostel Cat-3 and Hospital Buildings	6,066,900		6,066,900	Signed and issued on 19 July 2022
13	VO-013 Omission of 08 Units of Category-4D and Adjacent Road (S-11)		150,991,700	(150,991,700)	Signed and issued to the Contractor on 20 June 2022
14	VO-014 Supply and Installation of False Ceiling Lights in Project Office Building	38,179,140	37,705,434	473,706	Signed and issued on 25 August 2022
15	VO-015 - Replacing Asphalt Surface with Concrete Surface for Main Road and Steep Gradient Roads of Project Colony	30,378,716	20,874,335	9,504,381	Signed and issued on 30th November 2022
16	VO-016 Supply and installation of MS Spiral Stairs in Residence Category-2	21,478,530		21,478,530	Agreed VO issued on 13th February 2023
17	VO-017: Replacing asphalt surface with concrete pavement for secondary roads of Project Colony	93,843,105	(51,766,271)	42,076,834	signed VO issued on 24-02-2023
18	VO-019: Slope Protection Works at Colony	69,223,320		69,223,320	signed VO issued on 17-03-2023
<b>Total</b>				<b>97,440,488.78</b>	

**Status of Issued Variations for EM-01**

Sr. No.	CO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	Delays to the execution of the works by other project contractors and subsequent impact on the interfacing and Coordination dates of EM-01 Contract				In order to synchronize the activities of the Contractor and the activities of the other project contractors the Time for Completion of the Coordination Events and the Sectional Completion Events shall be amended, to be calculated from the Effective Date i.e., February 01, 2021 . [DHC Letter 13-07-2020]

**Status of Issued Variations for LBRV-11**

Sr. No.	CO Description and Number	Contractor proposal/ Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Supply and Installation of uPVC Pipe Class-C for External Sewerage System	389,300	1,601,620	(1,212,320)	Signed VO issued on 2-06-2021
2	VO-002- Slope Protection at Uchar Site-1	36,269,633	-	36,269,633	Signed VO issued on 28-05-2022
3	VO-003- Slope Protection at Khoshe Site-1	117,010,745	-	117,010,745	Signed VO issued on 28-05-2022
3	VO-004: Omission of Sites i.e. Uchar-2, Logro-1, 2 and 3		502,659,938	(502,659,938)	VO will be issued after Employer's approval
<b>Total</b>				<b>(350,591,880)</b>	

**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.
	VO-002: Omission of Resettlement Sites Barseen-01, Kaigah-01 and Kaigah-02	715,099,577	715,099,577	(715,099,577)	The Engineer has issued a draft Variation order for approval on 9th sep 2022 via DHC/Dasu/ZEGL/LBRV-12/CAD/22-045
<b>Total</b>				<b>(620,731,627)</b>	

**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
5	VO-005: Providing and lowering water supply GI pipe 100mm dia from Choochang Nullah to Main water tank of RV site	21,448,561		21,448,561	Signed VO issued on 24 February 2023
<b>Total</b>				<b>10,127,338.85</b>	

# **APPENDIX I**

## **Contract Information**

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**Appendix I: Contract Information**

CONTRACTS AWARDED																			
Sr. #	Contract ICB No.	Base Date	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	Revised Accepted Contract Amount	IPC Total Certified Amount	% of Certified amount w.r.t ACA	1st EOT	2nd EOT	3rd EOT	Revised Completion Date	Remarks
<b>Main Works Contracts</b>																			
1	DASU-MW-01	13-Jun-16	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2039	22-Jan-23	PKR 115,003,461,240	1,102,621,872	1,102,621,872		34,996,007,575	30.43%	1204	195	103	21-Nov-26	Work InProgress, Approval awaited for EOT-3
2	DASU-MW-02	13-Jun-16	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2069	21-Feb-23	PKR 64,426,426,087	617,703,031	617,703,031		12,245,192,321	19.01%	1213	105	103	18-Jun-26	Work InProgress, Approval awaited for EOT-3
3	DASU-EM-01	31-Jan-18	28-Feb-18	22-Oct-19	25-Nov-19	20-May-20	1856	19-Jun-25	PKR 25,471,001,920	230,506,805	474,490,805		480,570,192					29-Mar-27	Work InProgress, Approval awaited for EOT-1
									US\$ 243,984,000				26,255,955						
<b>Preparatory Works Contracts</b>																			
1	DASU-KKH-01	15-Sep-14	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	546	20-Feb-17	PKR 14,538,852,307	144,334,878	144,334,878	368,442,773	12,461,039,785	85.71%	519	507		21-Jul-24	Work InProgress. EOT Subject to Variation-005 time
2	DASU-RAR-01	15-Sep-14	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	364	22-Aug-16	PKR 2,713,972,595	26,943,042	26,943,042		2,267,848,634	83.56%	498	408	518	31-Aug-22	Work InProgress. EOT under process. Subject to VO-007 Komila Bypass
3	DASU-TL-01	28-Aug-14	25-Sep-14	03-Mar-15	24-Apr-15	02-Nov-15	230	18-Jun-16	PKR 1,583,325,237	15,833,252	17,851,179		1,191,682,573	75.26%	488	427	514	17-May-20	Work InProgress. Tentative revised date 1-11-2022
									US\$ 2,017,927				1,307,509	64.79%					EOT under process.
4	DASU-PCI-01	02-Jun-15	30-Jun-15	26-Oct-15	17-Nov-15	02-May-16	728	30-Apr-18	PKR 4,806,000,000	47,210,216	47,210,216		961,199,971						Terminated
5	DASU-PCI-01R	25-Oct-17	22-Nov-17	27-Aug-18	18-Oct-18	20-May-19	728	17-May-21	PKR 4,900,000,009	46,423,496	46,423,496		2,976,399,015	60.74%	532			31-Oct-22	Work InProgress EOT under process.
6	DASU-RV	05-Aug-15	02-Sep-15	17-Nov-15	15-Dec-15	15-Dec-15	546	13-Jun-17	PKR 571,953,818	5,618,407	5,618,407		114,390,751						Terminated
7	DASU-RV (Re-bid)	25-Oct-17	22-Nov-17	23-Apr-19	18-Jun-19	18-Jun-19	546	15-Dec-20	PKR 654,815,181	6,203,839	6,203,839		294,475,394	44.97%				16-May-22	Work InProgress. EOT granted
8	DASU-KKH-02	29-Sep-15	27-Oct-15	27-Feb-17	25-Apr-17	15-May-22	728	12-May-24	PKR 16,264,917,100	155,727,101	155,727,101	\$ 291,642,947	3,811,163,554	23.43%					Notice of Commencement not issued yet
9	DASU-RAR-02	29-Sep-15	27-Oct-15	22-Jun-16	18-Jan-17	20-May-21	728	18-May-23	PKR 6,253,407,194	59,872,729	59,872,729		1,398,082,087	22.36%					Work InProgress.
10	DASU-LBRV-11	21-Jul-16	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,120,509,415	10,687,172	10,687,172		616,451,539	55.02%	345			04-Dec-20	Work InProgress. 2nd EOT under process.
11	DASU-LBRV-12	21-Jul-16	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,016,820,466	9,698,210	9,698,210		489,927,002	48.18%	318			07-Nov-20	Work InProgress. 2nd EOT under process.
12	DASU-RBRV-11	21-Jul-16	18-Aug-16	27-Feb-17	25-Apr-17	To be Decided	364	Depend on Comencement	PKR 370,939,497	3,522,692	3,522,692		74,187,844	20.00%					Terminated





# **APPENDIX J**

## **Contract Status of Guarantee and Insurance**



**Appendix J: Contract Status of Guarantee and Insurance**

Sr. #	Contract ICB No.	Advance Guarantee		Performance Guarantee		Insurances				
		Amount	Expiry Date	Amount	Expiry Date	CAW (18.2)	CPM (18.2)	TPL (18.3)	WC (18,4)	Marine Carggo (Import/Inland)
1	DASU-MW-01	PKR 5,556,438,372.00 USD 56,988,569.00	18-Jun-2026	PKR 5,556,438,372.00 USD 56,988,569.00	22-Sep-2023	22-Jan-2023	22-Jan-2023	22-Jan-2023	15-Jul-2023	N/A
2	DASU-MW-02	PKR 3,326,067,613.00 USD 29,880,873.00	18-Jun-2026	PKR 3,326,067,613.00 USD 29,880,873.00	22-Oct-2023	22-Feb-2023	22-Feb-2023	22-Feb-2023	15-Jul-2023	N/A
3	DASU-KKH-01	USD 7,257,158.00 PKR 2,176,756,968.00	12-Sep-2023	PKR 1,453,885,230.70	21-Jul-2025	21-Jul-2024			31-Jul-2024	N/A
4	DASU-RAR-01	PKR 379,956,164.00 USD 1,616,583.00	31-Dec-2023	PKR 271,397,259.50	31-Dec-2023	31-Aug-2023			31-Aug-2023	N/A
5	DASU-TL-01	PKR 166,340,724.00 USD 338,582.75	5-Apr-2023	PKR 178,862,944.00	20-Feb-2024	29-Sep-2024			8-Apr-2023	29-Sep-2024
6	DASU-KKH-02	PKR2,146,910,052.00 USD 10,590,008.00	30-Aug-2023	PKR 1,073,455,026.00 USD 5,295,004.00	20-Apr-2024	12-May-2024	12-May-2024	12-May-2024	15-Jul-2023	
7	DASU-RAR-02	PKR 833,528,863.00 USD 3,993,993.00	31-Mar-2024	PKR 625,340,719.00	30-Sep-2024	17-Aug-2023	17-Feb-2023	17-Aug-2023	15-Jul-2023	
8	DASU-LBRV-11	PKR 83,204,565.00 USD 1,343,848.00	23-Aug-2023	USD 671,924.00 PKR 41,602,282.00	2-Dec-2023	25-Jun-2023	25-Dec-2022	25-Jun-2023	10-Jun-2022	N/A
9	DASU-LBRV-12	PKR 75,233,228.00 USD 1,222,084.00	23-Aug-2023	USD 611,042.00 PKR 37,616,614.00	5-Nov-2023	25-Aug-2023	25-Dec-2022	25-Aug-2023	10-Aug-2022	N/A
10	DASU-RBRV-11	PKR 54,937,530.00 USD 182,814.00	24-Feb-2023	PKR 27,468,765.00 USD 91,407.00	24-Aug-2022	Terminated				
11	Dasu-PCI-01R	PKR 726,119,002.00 USD 2,405,316.00	30-Sep-2023	PKR 363,059,501.00 USD 1,202,658.00	23-Feb-2024	19-May-2023	19-May-2023	19-May-2023	19-May-2023	N/A
12	Dasu-RV	PKR 107,474,520	30-Mar-2022	PKR 65,481,520	14-May-2023	14-Jun-2023	14-Jun-2023	14-Jun-2023	14-Jun-2023	N/A



# **APPENDIX K**

## **Summary of Daily Work Records of MW-01 & 02 and EM-01**

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**Appendix K: Summary of Daily Work Records of MW-01 & MW-02**

**Daily Work Records of MW-01**

**February 2023 to March 2023**

	<b>26 Su.</b>	<b>27 Mon.</b>	<b>28 Tue.</b>	<b>1 Wed.</b>	<b>2 Thu.</b>	<b>3 Fri.</b>
<b>Diversion Tunnel A INLET</b>	Right wall Transition part Removal of formwork and chipping 7:30~17:30Hrs Top slab part-3 Fixing of reinforcement 7:30~17:30Hrs Cleaning and washing of surface 19:30~5:30Hrs Right and Left wall Fixing of formwork 8:00~17:30Hrs Tightening of formwork 19:30~5:30Hrs DYKE between DTA and DTB Filling and dumping 1:30~5:30Hrs Part-1 L+R Wall Fixing of reinforcement 7:30~17:30Hrs Shifting scaffolding from DT-A u/s to outside 7:30~17:30Hrs No work 19:30~5:30Hrs	Right wall Transition part Removal of formwork and chipping 7:30~17:30Hrs Top slab Part-3 Fixing of reinforcement 7:30~17:30Hrs Cleaning surface for concrete and tightening form work 19:30~5:00Hrs Right and Left wall Fixing of formwork 8:00~17:30Hrs Right side Removal of scaffolding from gate slot area 20:00~5:00Hrs Part-1 L+R Wall Fixing of reinforcement 7:30~17:30Hrs Shifting scaffolding from DT-A u/s to outside 7:30~17:30Hrs No activity due to lack of resources 19:30~7:00Hrs	Right wall Transition part Curing of concrete 07:30~17:00Hrs Top slab Part 3 Fixing of reinforcement 7:30~11:30 Hrs Arrangement for pouring of concrete and cleaning 07:30~17:30Hrs Cleaning and arrangement for pouring 19:30~5:30Hrs Right and Left Side Fixing of formwork 8:00~17:30Hrs Fixing of formwork 19:30~5:30Hrs Right side Gabion walls back filling 07:30~17:30Hrs Dumping and leveling 07:30~15:00Hrs Part-1 L+R Wall Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement and cleaning 19:30~5:30Hrs Part-4 Removal of scaffolding pipes 07:30~17:30Hrs Removal of scaffolding pipes 19:30~5:30Hrs	Top slab part-3 Arrangement for pouring of concrete 7:30~15:00Hrs Pouring of concrete 15:30~19:00Hrs Continue Pouring of concrete 19:00~7:00Hrs Continue Right wall and left wall Removal of formwork 07:30~17:30Hrs No work 19:30~5:30Hrs Gate slot area Chipping and repairing of concrete 07:30~17:30Hrs No work 19:30~5:30Hrs Coffer dyke: Dumping and making access to top slab 19:30~5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30~17:30Hrs Removal of scaffolding and formwork 19:30~5:30Hrs Part-1 Fixing of reinforcement and cleaning 07:30~17:30Hrs No work 19:30~5:30Hrs	Top slab Part-3 K0-018.7~K0-025.4 EI.790.4~793.9 Pouring of concrete 07:00~19:00Hrs Continue Pouring of concrete 19:00~00:40Hrs Total Quantity 1072m3 Left Side Fixing of reinforcement 19:30~21:30Hrs Gate slot area No work due to rain 7:30~7:30Hrs Coffer dyke: Dumping and making access to top slab 07:30~17:30Hrs Dumping and making access to top slab 19:30~5:30Hrs Dyke Between DTA and DTB Fixing of formwork and scaffolding 20:00~5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30~17:00Hrs No work due to lack of resources 19:30~7:00Hrs Part-1 Fixing of reinforcement and cleaning 07:30~16:00Hrs Part-3 L/W and R/W Grinding concrete surface 08:00~15:00Hrs No work due to lack of resources 19:30~7:00Hrs	Top slab Part-3 K0-018.7~K0-025.4 EI.790.4~793.9 Chipping and washing of concrete surface 07:30~17:30Hrs Chipping and washing of concrete surface 17:30~5:30Hrs Right wall and left wall Removal of formwork 07:30~17:30Hrs No work 17:30~6:00Hrs Gate slot area Cleaning of invert surface 07:30~17:30Hrs Finishing with grinder 07:30~17:30Hrs No work 17:30~6:00Hrs Coffer dyke: Dumping and making access to top slab 07:30~17:30Hrs Dumping and making access to top slab 19:30~5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30~19:30Hrs Removal of formwork and scaffolding pipes 19:30~5:30Hrs Part-1 Right wall and Left wall 6th lift K0+002.3~0+019.0 EI.777.29~779.79 Pouring of concrete 7:00~13:00Hrs Pouring of concrete 21:00~3:30Hrs Quantity 270m3 Contractor poured concrete without inspection Part-3 L/W and R/W Grinding concrete surface 08:00~15:00Hrs No work 15:00~6:00Hrs
<b>Diversion Tunnel A UNDER GROUND</b>	No work Downstream K0+405~0+429 Arrangement for invert concrete 7:30~17:30Hrs Pouring of concrete 19:30~5:30Hrs (QTY 369m3) K1+290~ 1+330 Left side Invert rock surface cleaning for lean 7:30~17:30Hrs Invert rock surface cleaning for lean 19:30~5:30Hrs K1+390~ 1+420 Right side Invert rock surface cleaning for lean Pouring of lean concrete 7:30~17:30Hrs Quantity 120m3 K1+290 1+330 Left side Invert rock surface cleaning for lean concrete 7:30~17:00Hrs Pouring of lean concrete 19:30~00:15Hrs Quantity 240m3 K1+390~ 1+420 Right side Invert rock surface cleaning for lean concrete 7:30~01:00Hrs Pouring of lean concrete 3:45~5:50Hrs Quantity 120m3 K1+473~ Right Side Excavation and mucking 7:30~16:00Hrs K1+463~ Left Side Drilling for blast 8:00~15:00Hrs Charging for blast 15:30~16:30Hrs Blast 16:40Hrs Mucking 19:30~4:00Hrs K0+573~0+585 Left Side Pouring of invert 1m concrete 00:30~4:30Hrs Quantity 138m3	No work Downstream K0+405~0+429 Right Side Finishing of invert concrete surface 7:30~17:00Hrs Finishing of invert concrete surface 19:30~2:00Hrs K1+185~1+197 Left side Arrangement and cleaning for invert 1m concrete 7:30~17:00Hrs Pouring of invert 1m concrete 22:30~1:00Hrs Quantity 120m3 K1+290 1+330 Left side Invert rock surface cleaning for lean concrete 7:30~17:00Hrs Pouring of lean concrete 19:30~00:15Hrs Quantity 240m3 K1+390~ 1+420 Right side Invert rock surface cleaning for lean concrete 7:30~01:00Hrs Pouring of lean concrete 3:45~5:50Hrs Quantity 120m3 K1+473~ Right Side Excavation and mucking 7:30~16:00Hrs K1+463~ Left Side Drilling for blast 8:00~15:00Hrs Charging for blast 15:30~16:30Hrs Blast 16:40Hrs Mucking 19:30~4:00Hrs K0+573~0+585 Left Side Pouring of invert 1m concrete 00:30~4:30Hrs Quantity 138m3	Shifting scaffolding pipes from inside to outside 07:30~15:00Hrs Downstream K0+585~0+597 Left side Cleaning surface for invert concrete 19:30~22:00 Arrangement for pouring 22:00~23:00Hrs Pouring of concrete 3:40~8:30Hrs (Qty 122m3) K1+185~1+197 Left side Finishing of invert 1m concrete surface 7:30~15:00 Hrs K1+197~1+209 Left side Cleaning surface for invert concrete 8:00~17:30Hrs Cleaning surface for invert concrete 19:30~5:30Hrs K1+330 1+350 Left side Invert rock surface cleaning for lean 7:30~17:30Hrs Invert rock surface cleaning for lean 19:30~5:30Hrs K1+360~ 1+390 Right side Invert rock surface cleaning and excavation for lean 7:30~17:30Hrs Invert rock surface cleaning 19:30~5:30Hrs K1+473~ Right Side and left side Excavation and mucking 7:30~17:30Hrs K1+473~ Right Side and left side Protection layer Drilling for blast 21:40~00:30 Charging for blast 00:30~1:50Hrs Blast 1:55Hrs Excavation and mucking 2:30~5:30Hrs K1+464~ Left Side Excavation and mucking 7:30~17:30Hrs	Downstream K0+585~0+597 Left side Pouring of concrete 7:00~08:45Hrs Total Qty=122m3 Finishing of concrete surface 8:45~17:00Hrs K0+597~0+609 Left side Cleaning surface for invert concrete and formwork fixing 8:00~11:30Hrs Cleaning surface for invert concrete 19:30~1:30Hrs K1+197~1+209 Left side Cleaning surface for invert concrete 8:00~11:30 Hrs Surface cleaning for invert concrete 20:00~3:00Hrs K1+330 1+350 Left side Invert rock surface cleaning for lean concrete 7:30~17:30 Invert rock surface cleaning for lean concrete 19:30~5:30 K1+360~ 1+390 Right side Invert rock surface cleaning and excavation for lean 7:30~17:30 Invert rock surface cleaning and excavation for lean 19:30~5:30Hrs K1+257~ 1+269 Left side Cleaning surface for invert concrete 14:00~17:30Hrs Fixing formwork and surface cleaning 20:00~4:00Hrs K1+436~1+479 Right Side and left side Excavation and mucking 7:30~13:00Hrs Spraying a layer of shotcrete 00:00~2:30Hrs K1+475~ Drilling for blast 13:00~14:30Hrs	No work 07:30Hrs~15:00 Hrs Downstream K1+280~1+320 Left side Cleaning surface for lean concrete 8:00~17:30Hrs Cleaning surface for invert lean concrete 19:30~5:30Hrs K1+444~1+472 right wall and left wall Drilling for anchor bars 16:30Hrs~17:00Hrs Drilling for anchor bars 20:30Hrs~2:00Hrs Grouting for anchor bars 4:00~5:30Hrs R/S K1+355~ Drilling for blast 8:30~10:30Hrs Charging for blast 11:25~12:05 Blast 12:25 Mucking 13:15~18:00Hrs R/S K1+370~ Drilling for blast 23:00~3:00Hrs Charging for blast 3:00~4:00Hrs Blast 5:00Hrs	L/S K0+410~0+424 Excavation and mucking 07:30~19:30Hrs No work 19:00~6:00Hrs Downstream L/S K0+597~0+609 Finishing of concrete surface 07:30~17:30Hrs No work 19:00~7:00Hrs L/S K0+609~0+621 Pouring of invert concrete 22:15~1:55Hrs Qty: 123m3 Surface finishing of invert concrete 2:00~6:00Hrs K1+197~1+209 Left side Finishing of concrete surface 07:30~17:30Hrs Finishing of concrete surface 17:30~6:30Hrs R/S K1+440~1+450 Making access 07:30~17:00Hrs Making access 17:30~6:00Hrs L/S K1+420~1+440 Invert rock surface cleaning for lean concrete 7:30~17:30Hrs Pouring of lean concrete 2:00~6:00Hrs K1+257~ 1+269 Left side Finishing of concrete surface 07:30~14:30Hrs Finishing of concrete surface 14:30~4:30Hrs K1+440~1+460 Right Drilling for rock bolts 07:30~17:30Hrs Drilling for rock bolts 21:30~3:00Hrs Installation of rock bolts 8m 3:00~6:00Hrs R/S K1+305~1+329



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**Appendix K [2/34]**

	Blast 5:50Hrs (Explosive QTY 110kg) K1+455-1+460 Left side Drilling for blast 12:30~3:00Hrs Charging for blast 3:00~17:40Hrs Blast 17:55Hrs (Explosive QTY 75kg) Excavation and mucking 20:00~1:00Hrs			Charging for blast 16:30~17:15Hrs Blast 17:30Hrs Excavation and mucking 19:30~4:00Hrs K1+436 1+479 left and right wall Arrangement for first layer shotcrete 21:30~22:00Hrs Spraying first layer shotcrete 22:00~23:00Hrs		Cleaning sludge from surface 07:30 Hrs~17:30Hrs K1+460-1+480 Right Side and left side Support work and welding steel bars for steel arches 07:30~17:30Hrs Support work and welding steel bars for steel arches 17:00~6:00Hrs
<b>Diversion Tunnel B INLET</b>	Gate Slot Above Top Slab Coffer Dyke Left side Right Side No work	Gate Slot Above Top Slab Coffer Dyke Left side Left Side Charging for blast 10:30~13:00Hrs Blast 13:22Hrs	Gate Slot Above Top Slab Coffer Dyke Left side Left Side No work 07:00 Hrs~7:00 Hrs	Gate Slot Above Top Slab Coffer Dyke Left side Left Side No work 07:00 Hrs~7:00 Hrs		No work
<b>Right Bank Diversion inlet</b>		K0+047~0+050 Mucking and scaling 8:00~9:50Hrs Mapping 10:30~10:50Hrs Qv 0.67 Arrangement for 1st layer shotcrete 11:00~13:30Hrs Spraying a layer of shotcrete 13:40~14:15Hrs (Qty 8m3) K0+027~0+035 Spraying 2nd layer shotcrete 14:30~17:00Hrs (Qty 16m3) K0+050~ Survey for blast 16:30~17:00Hrs Drilling for blast 21:30~2:00Hrs Drilling for rock bolts 2:00~6:00Hrs	K0+044~0+050 Arrangement for grouting 08:00~09:15Hrs Grouting and installation of rock bolts 09:15~15:00Hrs 38No's and 2No's remaining Grouted and 06 holes collapsed K0+051~ Charging for blast 16:00~17:10Hrs Blast carried out at 17:20 Mucking and scaling 19:30:2:00Hrs Charging for additional blast 4:00~4:30 20kg explosive used Removing Plastic cover from steel arches 2:00~5:30Hrs	K0+025~0+035 Removing of rejected shotcrete from steel arches 07:30~14:00Hrs Spraying shotcrete on steel arches 19:30~20:30 K0+051.5~0+053 Arrangement for spraying shotcrete 14:30~15:00Hrs 1st layer of shotcrete 15:00~15:30Hrs Quantity 8m3 K0+044~0+050 2nd layer of shotcrete 16:30Hrs~17:30Hrs Quantity 8m3 K0+50~0+55 Drilling for rock bolts 23:20~1:30Hrs K0+55~ Survey for blast 23:20~23:40Hrs Drilling for blast 00:45~6:50Hrs	K0+55~ Drilling for blast 08:00~9:00Hrs Charging for blast 20:25~22:30Hrs Blast 22:40Hrs Mucking and scaling 23:00~4:40Hrs Mapping 4:45~5:10Hrs K0+050~0+054 Drilling for rock bolts 9:00~12:00Hrs Arrangement for grouting 14:00~15:00Hrs Grouting for rock bolts 15:15~18:00Hrs 30 No's grouted K0+044~0+050 Drilling for remaining rock bolt 12:00~14:00Hrs Grouting for rock bolts 15:15~18:00Hrs 7 No's grouted	K0+055~0+057 Arrangement for 1st layer shotcrete 08:00~09:30Hrs 1st layer shotcrete sprayed 10:00~10:30Hrs 8m3 K0+025~0+035 Spraying shotcrete on steel arches 10:30~11:30Hrs 8m3 K0+058 Survey for blast 14:30~15:00Hrs Drilling for blast 15:30~00:00Hrs K0+027~0+030 Spraying shotcrete on steel arches 1:30~3:15Hrs 16m3 No work 3:15~7:00Hrs
<b>Right Bank Diversion outlet</b>		K0+525~0+521 Demarcation for remaining rock dowels 11:30~12:30Hrs Drilling for rock bolts 16:00~18:30Hrs Grouting for rock bolts 19:30~23:00Hrs 28No's Grouted and 2 hole collapsed K0+525~0+518 Arrangement for 2nd layer shotcrete 4:00~4:30Hrs Spraying shotcrete 4:30~6:00Hrs Qty 24m3	K0+514.5~ Survey for blast 8:30~9:00Hrs Drilling for Blast 9:15~15:00Hrs K0+521~0+517 Arrangement for grouting of rejected rock bolts Grouting for rock bolts 15:30~17:00Hrs 6 No's Grouted and 1 hole collapsed K0+521~0+514.5 Grouting for Remaining rock bolts 17:00~17:30 Arrangements for 2nd layer shotcrete 19:30~20:45Hrs Spraying 2nd layer shotcrete 21:00~22:00Hrs K0+514.5 Charging for blast 22:00~00:40Hrs Blast carried out 00:45Hrs Mucking and scaling 2:00~5:30Hrs	K0+514.5~ Mucking and scaling 7:30~10:00Hrs Mapping 10:00~10:30 Hrs Arrangement for 1st layer shotcrete 10:30~11:00 Hrs 1st layer shotcrete sprayed 11:00 Hrs~11:45Hrs Qty 16m3 K0+511~ Arrangement for drilling 12:00~14:00Hrs Drilling for blast 14:00~17:30Hrs Drilling for blast 19:30~23:00Hrs Charging for blast 2:45~4:45Hrs Blast 4:50Hrs K0+511~0+515 Drilling for rock bolts 22:00~23:30Hrs Grouting for rock bolts 1:00~2:30Hrs 21Pcs	K0+511~0+508 Mucking and scaling 7:30~15:00Hrs Arrangement for 1st layer shotcrete 15:00~15:30Hrs 1st layer shotcrete sprayed 15:30~16:20Hrs 8m3 2nd layer of shotcrete on steel arches 16:20~17:30Hrs 16m3 Demarcation for drilling rock bolts 17:30~18:00Hrs Drilling for rock bolts 18:00~19:30Hrs K0+508~ Survey for blast 20:50~21:10Hrs Drilling for blast 21:30~4:30Hrs Charging for blast 4:45~6:50Hrs Blast 7:00Hrs	Face Ch.K0+508~ Mucking and scaling 07:30~15:00Hrs Ch.K0+525~0+518 Arrangement for 2nd layer shotcrete 15:00 Hrs~15:30 Hrs Spraying shotcrete 17:30~18:30Hrs Qty 8m3 2nd layer of shotcrete on steel arches Face Ch.K0+508~0+506 Spraying 1st layer shotcrete 16:00~17:00Hrs Qty 8m3 Drilling for blast 2:00Hrs~6:00Hrs
<b>STARTER DAM LEFT BANK</b>	Left Side Downstream 7:30~17:30Hrs Excavation, dumping , leveling and compaction from right side and Left Side Downstream 19:30~5:30Hrs Cut off wall	Excavation, dumping, leveling and compaction at starter Dam from right side and Left side downstream 7:30~5:30Hrs	Excavation, dumping , leveling and compaction at starter Dam from right side and Left Side downstream 7:30~17:30Hrs Installation and filling of gabion wall 8:00~17:30Hrs Excavation, dumping , leveling and compaction at starter dam from right side and Left Side downstream 19:30~5:30Hrs	Excavation, dumping , leveling and compaction at starter Dam from right side and left side downstream 7:30~17:30Hrs Fixing of formwork for gabion wall 7:30~11:00Hrs	Cut off wall Massive rock back filling 07:30~19:00Hrs Layers compaction 07:30~17:30Hrs Layers compaction 19:30~7:00Hrs Phase 2 slot 8 hole no1 EI.779.0 CH.K0+58~0+68.0 Drilling for core sampling 07:30~17:30Hrs	K0+10.100~0+22 Pouring of concrete for new left bank sedimentation tank 07:30~17:30Hrs Total Quantity 104m3 Phase II slot 8 hole no 1 Core drilling for sampling 07:30~15:30Hrs Core drilling for sampling 15:30~06:30Hrs
<b>STARTER DAM RIGHT BANK</b>	Excavation, dumping , leveling and compaction at starter Dam from right side and Phase-II Drilling for cut off wall 7:30~19:00Hrs Drilling for cut off wall 19:30~7:00Hrs K0+062~0+042 Making platform for pilling 7:30~17:30Hrs K0+000~0+022 Fixing formwork and reinforcement for guide wall 8:00~17:30Hrs Fixing formwork and reinforcement for guide wall 20:00~23:30Hrs Pouring of concrete 1:00Hrs~7:00Hrs (Qty 136m3)	Cut off wall Phase-II Drilling for cut off wall 7:30~17:30Hrs Drilling for cut off wall 19:30~5:30Hrs K0+062~0+042 Making platform for drill pilling 7:30~17:30Hrs K0+010~0+022 Guide Wall Pouring of concrete 7:00~9:00 174m3	Cut off wall Phase-II Drilling for cut off wall 7:30~17:30Hrs Drilling for cut off wall 19:30~5:30Hrs	Excavation, dumping , leveling and compaction at starter Dam from right side and left side downstream 7:30~17:30Hrs Cut off wall Phase-II Drilling for cut off wall 7:30~17:30Hrs Drilling for cut off wall 19:30~5:30Hrs	Phase-II and phase I Percussion drilling for pilling 7:30~19:00Hrs Percussion drilling for pilling 19:00~7:00Hrs K0+101~0+113 Fixing of formwork for pouring of concrete 7:30~19:00Hrs Fixing of formwork for pouring of concrete 19:30~19:00Hrs K0+10.100~0+22 Making platform for fixing of percussion drilling machine 07:30Hrs~17:00Hrs Fixing of formwork for slurry tank 07:30Hrs~17:00Hrs Pouring of concrete for slurry tank 3:00~7:00 40m3 Continue	Cut off wall Massive rock back filling 07:30~17:30Hrs Layers compaction 07:30~17:30Hrs Performed FDT test at 6th layer 10:30~14:00Hrs Performed FDT test at 6th layer 17:30~6:00Hrs Phase 2 slot 2 hole no 8 EI.779.0 Ch.K0+58~0+68.0 Phase-II and phase I Percussion drilling for pilling 17:30~6:30Hrs EI.774~776 III-3 block No 04 Fixing of formwork for concrete 07:30~17:30Hrs
<b>ADIT 3-2</b>						

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<b>Traffic Diversion Tunnel</b>	K0+979~ Arrangement for 1st layer shotcrete 7:30~9:30Hrs Spraying a layer of shotcrete 9:30~10:10Hrs K0+900~ Arrangement for 2nd layer of shotcrete 9:30~10:00Hrs Spraying 2nd layer of shotcrete 10:30~13:30Hrs (Qty 24m3) K0+935~ Fixing of wire mesh 14:00~17:00Hrs Fixing of wire mesh 20:00~1:00Hrs (8pcs Installed) K0+982~ Survey and demarcation for blast 14:30~15:00Hrs Drilling for blast 17:00~18:00Hrs Drilling for blast 20:00~00:00Hrs Charging for blast 00:15~1:25Hrs (Explosive Qty 250kg) Blast 1:35Hrs Mucking and scaling 2:30~5:30Hrs K1+288~ Charging for blast 8:30~11:00Hrs Blast carried out 11:30Hrs (Explosive Quantity used 228.77kg) Mucking and scaling 12:00~17:30Hrs K1+288~ Geological mapping (Q value 0.5) 20:00~20:30Hrs Spraying 1st layer shotcrete 20:45~21:15Hrs (Qty 4m3) K1+338~1+333 Spraying 2nd layer shotcrete 21:15~22:45Hrs (Qty 8m3) K1+286 Survey for blast 23:00~23:30Hrs Drilling for blast 1:00~5:30Hrs	K0+935~0+950 Fixing of wire mesh 7:30~14:30 (16pcs installed) K0+982.5~ Mucking and scaling 7:30~14:30 Geological Mapping (Q value 1.67) 14:30~15:00Hrs Arrangement for 1st layer shotcrete 15:00~15:30Hrs Spraying 1st layer shotcrete 15:30~16:00Hrs K0+898~0+930 Spraying remedial shotcrete 16:00~17:30Hrs (21.6m3) Shift change 17:30~19:30Hrs K0+973~0+982 Drilling for rock bolts 19:30~00:30Hrs Arrangements for Grouting 00:30~02:00Hrs Grouting for rock bolts 02:30~05:00Hrs K0+986.5~ Survey for blast 05:00~06:00Hrs Shift change 06:00~07:30Hrs K0+935~0+950 Fixing of wire mesh 7:30~14:30 (16pcs installed) K0+982.5~ Mucking and scaling 7:30~14:30 Geological Mapping (Q value 1.67) 14:30~15:00Hrs Arrangement for 1st layer shotcrete 15:00~15:30Hrs Spraying 1st layer shotcrete 15:30~16:00Hrs K0+898~0+930 Spraying remedial shotcrete 16:00~17:30Hrs (21.6m3) Shift change 17:30~19:30Hrs K0+973~0+982 Drilling for rock bolts 19:30~00:30Hrs Arrangements for Grouting 00:30~02:00Hrs Grouting for rock bolts 02:30~05:00Hrs K0+986.5~ Survey for blast 05:00~06:00Hrs Shift change 06:00~07:30Hrs	K0+930~ Fixing of wiremesh 07:30~16:50Hrs K0+986.5~ Arrangement of drilling for blast 11:00Hrs~12:00 Hrs Drilling for blast 12:30hrs~15:20Hrs No work 15:20hrs~16:38Hrs Charging for blast 16:38~18:00Hrs Blast 18:10Hrs Spraying remedial shotcrete 17:30~19:30Hrs Shift change 17:30~19:30Hrs Mucking and scaling 19:30~2:00Hrs Mapping Not done , site Forman did not allow to mapping No work 2:00~2:30Hrs K0+989~ Survey for blast 2:30~4:00Hrs Drilling for blast 4:30~5:30Hrs Shift change 5:30~7:30Hrs K1+282.5~ (Total drill hole as per site 97) Charging for blast (Exp Qty = 250kg) 07:30~08:40Hrs Blast 08:45Hrs Mucking and scaling 09:45~15:30Hrs Arrangement for shotcrete 19:30~20:45Hrs Sprayed a layer of shotcrete 20:45~21:45Hrs(shotcrete has been sprayed without inspection thus it is unsupervised) K1+338~1+333 Spraying a layer of shotcrete on steel arches 22:00~23:30Hrs K1+291~1+280 Drilling for rock bolts 3:15~5:30Hrs	Ch.K0+989~0+991.5 Charging for blast 7:30~9:40Hrs Blast 9:45Hrs (Explosive used 260Kg total drilled holes 100) Mucking and scaling 10:30~17:30Hrs Shift change 17:30~19:30Hrs No work 19:30~20:00Hrs (Waiting for survey team) K0+991.5~ Survey for blast 20:00~20:40Hrs No work 20:40~23:00Hrs Geological mapping 23:00~23:40Hrs K0+986~K0+991.5 Installation of thickness pin 23:40~00:30Hrs 1st layer shotcrete 00:30~2:10Hrs No work 2:10~3:50Hrs K0+982~K0+991 Drilling for rock bolts 3:50~6:00Hrs Shift change to 6:00~7:30Hrs K1+291~1+280 Drilling for rock bolts 7:30~08:00 Hrs Drill jumbo breakdown 08:00~10:15Hrs Re drilling for rock bolts 10:15~13:30Hrs K1+283.5~1+281.5 During arrangement of rock bolts grouting a huge portion at crown got collapsed and re-scaling by excavator 14:10~15:00 Hrs Spraying shotcrete on collapsed area 17:50~18:20Hrs Drilling for rock bolts 23:30~2:30Hrs Arrangement for grouting 2:30~3:00Hrs Grouting and installation of rock bolts 3:00Hrs~6:00Hrs Qty 24 Pcs	CH.K0+980~K0+991 Drilling for rock bolts 08:00~11:00Hrs No work (due to lunch break) 11:00~12:00Hrs No work (Grouting not started due to unavailability of grout machine) 12:00~16:00Hrs K0+900~K0+910 Remedial shotcrete sprayed 16:00~17:00Hrs 8m3 Shift change 17:00~19:30Hrs No work (waiting for shotcrete machine) 19:30~20:30Hrs K0+930~K0+950 2nd layer shotcrete sprayed 20:30~00:10Hrs K0+980~K0+991 Arrangement for grouting 00:10~23:00Hrs Grouting for rock bolts 23:30~4:30Hrs No work (shortage of resources) 4:30~6:00Hrs Shift change 6:00~7:30Hrs K1+291~1+280 Arrangement for grouting 07:30~08:15Hrs Grouting and installation of rock bolts 08:15~13:30Hrs 56pieces K1+280~ Drilling for blast 19:30~21:30Hrs Charging for blast 21:30~22:30Hrs Blast 22:52Hrs Mucking and excavation 23:30~3:00Hrs No work due to lack of resources 3:00~7:00Hrs	Ch.K0+991.5 No work 7:30~9:30Hrs (Waiting for survey team) Survey for blast 9:30~10:30Hrs No work (due to lunch break) 10:30~12:00Hrs Drilling for blast 12:00~14:30Hrs No work 14:30Hrs~15:10Hrs (Waiting for explosive) Charging for blast 15:10~16:00Hrs Explosive 250Kg used Blast and ventilation 16:10~16:40Hrs Mucking and scaling 16:40~18:00Hrs Shift change 18:00~19:30Hrs Mucking and scaling 19:30~4:00Hrs Geological mapping 4:00~4:30Hrs Survey for blast 4:30~5:00Hrs Shift change 5:00~7:30Hrs Face ch.K1+279~6:00Hrs Mucking and scaling 07:30~12:30Hrs Geological mapping 13:00~13:30Hrs Q value 0.5 Arrangement for 1st layer shotcrete 13:30~3:00Hrs Spraying 1st layer shotcrete 3:00~3:30Hrs Qty: 6m3 No work 3:30~7:00Hrs
<b>Cable crane foundation (Right Bank)</b>	Base Elevation 1019.88 EL:1055~ Drilling for rock bolts 8:00Hrs~16:00Hrs EL:1055~ Excavation 9:00Hrs~17:50Hrs	Base Elevation 1019.88 EL:1052~1055 Excavation 9:00~15:00Hrs	EL.1052~ Drilling for rock bolts 08:00~13:00Hrs EL.1055~1052 Excavation 09:00~15:00Hrs	Base Elevation 1019.88 EL:1055 No work	Base Elevation 1019.88 EL:1052~1055 No work due to rain	Base Elevation 1019.88 EL:1052~1055 No work
<b>Uchar New Crushing plant</b>	Batching plant Construction of cable trench at power station 8:00~17:00Hrs Welding works 8:00~16:00Hrs	No work 7:00~17:30Hrs	Batching plant Construction of cable trench at power station 8:00~17:30Hrs Welding works 8:00~15:30Hrs Leveling surface 07:30~11:30Hrs	Batching plant Construction of cable trench at power station 8:00~17:30Hrs Welding work 8:00~17:30Hrs Installation of main gates 07:30~17:30Hrs No work 19:30~5:30Hrs	Batching plant Construction of cable trench at power station 8:00~17:30 Welding work 8:00~17:30	Batching plant Breaking stone with jack hammer 07:30~15:00Hrs Breaking stone with jack hammer 15:30~5:00Hrs Fixing main gate 7:30~17:00Hrs Fixing main gate 19:30~5:00Hrs Construction of cable trench at power station 8:00~17:30Hrs Construction of cable trench at power station 19:30~6:30Hrs Welding works 8:00~17:30Hrs Welding works 19:30~05:30Hrs
<b>Kass Camp CR-5-2 / LU-2</b>	No work	No work	No work	No work	No work	No work
<b>Siglo RCC Crush plant No. 2 and Batching plant</b>	Upstream K0+080~0+160 Downstream Excavation and leveling 7:30~17:30Hrs	Upstream K0+080~0+160 Downstream Excavation and leveling 7:30~17:30Hrs No activity due to local people stopped the work 7:30~17:30Hrs	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs No activity due to local stopped the work 7:30~17:30Hrs	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs No work	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs No work due to rain	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs No work due to rain 07:30Hrs~7:30Hrs
<b>Right Abutment access road to Cable Crane Platform at D/S (Right bank)</b>	K0+088~093 No work	K0+088~0+093 Excavation 15:10~18:00Hrs	Excavation 08:00Hrs~1:25Hrs	K0+088~093 Excavation work is in progress 09:00Hrs~15:00Hrs	K0+088~093 No work due to rain	K0+093~098 Drilling for blast 8:00~14:00Hrs Charging and blast 14:00~15:00Hrs Mucking 15:00~17:00

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**Appendix K [4/34]**

**March 2023**

Date/Day Location	4 Sat.	5 Sun.	6 Mon.	7 Tue.	8 Wed.
<b>Diversion Tunnel A INLET</b>	<p>Top slab part-3 K0-018.7~K0-025.4 El.790.4~793.9</p> <p>Chipping and washing of concrete surface 07:30~17:30Hrs</p> <p>Fixing formwork 19:30~5:30Hrs</p> <p>Right wall and left wall</p> <p>Fixing of reinforcement 07:30~17:30Hrs</p> <p>No work 17:30~6:00Hrs</p> <p>Gate slot area</p> <p>Chipping at walls 7:30~17:30Hrs</p> <p>Fixing sill beam at right side 7:30~17:30Hrs</p> <p>No work 19:30~5:30Hrs</p> <p>Part-4</p> <p>Removal of formwork and scaffolding pipes 07:30~17:30Hrs</p> <p>Finishing with grinder at crown portion 07:30~17:30Hrs</p> <p>Arrangement for drilling (drilling for cavity grouting) at crown portion 19:30~5:30Hrs</p> <p>Part 01</p> <p>Chipping and cleaning 7:30~17:30Hrs</p> <p>Fixing of stirrups and washing 19:30~5:30Hrs</p>	<p>Top slab part-3 K0-018.7~K0-025.4 El.790.4~793.9</p> <p>Fixing of formwork 7:30~17:30Hrs</p> <p>Fixing of formwork 21:00~5:30Hrs</p> <p>Right wall and left wall</p> <p>Fixing of reinforcement 07:30~17:30Hrs</p> <p>Gate slot area</p> <p>Fixing frame for sill beam right side 7:30~17:30Hrs</p> <p>Fixing frame for sill beam right side 19:30~5:30Hrs</p> <p>Part-4</p> <p>Removal of formwork and scaffolding pipes 07:30~17:30Hrs</p> <p>Finishing with grinder at crown portion 07:30~17:30Hrs</p> <p>Arrangement of drilling holes for cavity grouting at crown portion 7:30~17:30Hrs</p> <p>Drilling for cavity grouting at crown portion 19:30~5:30Hrs</p> <p>Drilling stopped from (1:00~2:30Hrs)</p> <p>Due to electricity break down Part 01</p> <p>Arrangement for pouring of concrete 7:30~17:30Hrs</p>	<p>Top slab part-3 K0-018.7~K0-025.4 El.790.4~793.9</p> <p>Fixing formwork and arrangement for concrete pouring 7:30~17:30Hrs</p> <p>Right wall and left wall</p> <p>Fixing of reinforcement 07:30~17:30Hrs</p> <p>Fixing of reinforcement 19:30~5:30Hrs</p> <p>Gate slot area</p> <p>Fixing and welding frame for sill beam right side 7:30~17:30Hrs</p> <p>Fixing and welding frame for sill beam right side 19:30~5:30Hrs</p> <p>Part-4</p> <p>Removing of formwork and scaffolding pipes 07:30~17:30Hrs</p> <p>Finishing with grinder at crown section 07:30~17:30Hrs~17:30Hrs</p> <p>Drilling for cavity grouting at crown portion 07:30Hrs~17:30Hrs</p> <p>Removing of formwork and scaffolding pipes 19:30~5:30Hrs</p> <p>Part 01</p> <p>Steel fixing 07:30~14:30Hrs</p> <p>Arrangement for concrete 14:30~17:30Hrs</p> <p>Arrangements for pouring 19:30~4:30Hrs</p>	<p>Top slab part-3 K0-018.7~K0-025.4 El.790.4~793.9</p> <p>Fixing formwork and arrangement for pouring of concrete 7:30~17:30Hrs</p> <p>Right wall and left wall</p> <p>Fixing of reinforcement 07:30~17:30Hrs</p> <p>Gate slot area</p> <p>Fixing and welding frame for sill beam right side 7:30~17:30Hrs</p> <p>Transition part</p> <p>Removal of form work 7:30~17:30Hrs</p> <p>Part-4</p> <p>Removal of formwork and scaffolding pipes 07:30~17:30Hrs</p> <p>Finishing with grinder at crown portion 07:30~17:30Hrs</p> <p>Drilling for cavity grouting at crown portion 07:30~17:30Hrs</p> <p>No activity due to lack of resources 19:30~7:00Hrs</p> <p>Part-1</p> <p>K0+002.3~0+019</p> <p>Fixing stirrups and arrangement for pouring of concrete 07:30~16:00Hrs</p> <p>Pouring of concrete 16:29Hrs~7:00Hrs Continue</p>	<p>Top slab Part 3 K0-018.7~K0-025.4 El.790.4~793.9</p> <p>Fixing formwork and arrangement for concrete pouring 7:30~17:30Hrs</p> <p>Arrangement for concrete pouring 19:30~00:00Hrs</p> <p>Right wall and left wall</p> <p>Fixing of reinforcement 7:30~17:30Hrs</p> <p>Gate slot area</p> <p>Fixing and welding frame for sill beam right side 7:30~17:30Hrs</p> <p>Fixing and welding frame for sill beam right side 19:30~5:30Hrs</p> <p>Part 4</p> <p>Removal of formwork and scaffolding pipes 7:30~17:30Hrs</p> <p>Finishing with grinder at crown 7:30~17:30Hrs</p> <p>Part 1</p> <p>K0+002.3~K0+019</p> <p>Arrangement for concrete 7:30~17:30Hrs</p> <p>Pouring of concrete lift 7th 7:00Hrs~8:00Hrs 388m3</p> <p>Removal of concrete pipe line 08:00~10:30Hrs</p> <p>No activity 10:30~17:30Hrs</p> <p>Fixing steel stirrups 19:30~5:30Hrs</p>
<b>Diversion Tunnel A UNDER GROUND</b>	<p>L/S K0+405~0+422</p> <p>Excavation and mucking 07:30~19:30Hrs</p> <p>Cleaning surface for lean concrete 19:30~5:30Hrs</p> <p>L/S K0+422~0+429</p> <p>Excavation with jack hammer and mucking 19:30~5:30Hrs</p> <p>Downstream</p> <p>K0+621~0+633</p> <p>Arrangement for 1m bedding concrete 7:30~20:30Hrs</p> <p>Pouring of 1m bedding concrete 20:35~00:05 Total Qty= 132m3</p> <p>Surface finishing 00:05~7:00Hrs</p> <p>R/SK1+173~1+221</p> <p>Excavation and mucking 20:00~2:00Hrs</p> <p>R/S K1+305~1+329</p> <p>Cleaning sludge from surface 07:30~17:30Hrs</p> <p>L/SK1+305~1+317</p> <p>Pouring of concrete 11:40~3:15Hrs Total Qty=136m3</p> <p>Surface finishing 3:15~5:30Hrs</p> <p>K1+269~1+281 Left side</p> <p>Arrangement for pouring of 1m invert concrete 7:30~13:00Hrs</p> <p>Pouring of concrete 14:00~17:30Hrs Quantity 120m3</p> <p>Finishing of concrete surface 19:30~2:00Hrs</p> <p>K1+329~1+370 Left side</p> <p>Excavation and mucking 7:30~17:30Hrs</p> <p>K1+370~1+390 Left side</p> <p>Drilling for additional blast of protection layer 23:30~5:00Hrs</p> <p>K1+420~1+436 Right Side</p> <p>Rock surface cleaning for lean concrete 19:30~5:30Hrs</p> <p>K1+440~1+478 Right Side</p> <p>Drilling for rock bolts 07:30~17:30Hrs</p> <p>K1+444~1+470 Right Side</p> <p>Drilling for anchor bars 21:20~5:00Hrs</p> <p>Shifting of steel guarder 22:30~1:30Hrs</p> <p>K1+460~1+480 Right Side and left side</p> <p>Support work and welding steel bars for steel arches 07:30~17:30Hrs</p>	<p>L/S K0+405~0+429</p> <p>Rock surface cleaning for invert concrete 7:30~17:30Hrs</p> <p>Rock surface cleaning for invert concrete 19:30~5:30Hrs</p> <p>Downstream</p> <p>L/S K1+209~1+221</p> <p>Arrangement and cleaning surface for lean concrete 7:30~17:30Hrs</p> <p>Arrangement and cleaning surface for lean concrete 19:30~5:30Hrs</p> <p>K0+621~0+633 Left Side</p> <p>Surface finishing of invert concrete 7:30~17:30Hrs</p> <p>K0+633~0+645 Left Side</p> <p>Arrangement for pouring 1m bedding concrete 7:30~17:00Hrs</p> <p>Pouring of concrete 20:35~22:45Hrs Total Qty=120m3</p> <p>Surface finishing 22:45~5:30Hrs</p> <p>K1+281~1+293</p> <p>Arrangement for pouring 1m bedding concrete 7:30~16:00Hrs</p> <p>Pouring of concrete 16:00~20:20Hrs Total Qty=125m3</p> <p>Surface finishing 20:20~4:30Hrs</p> <p>K1+005~</p> <p>Cleaning sludge from surface 07:30~17:30Hrs</p> <p>L/S K1+305~1+317</p> <p>Surface finishing of invert concrete 7:30~17:30Hrs</p> <p>K1+317~1+329 Left side</p> <p>Arrangement for pouring 1m bedding concrete 7:30~17:00Hrs</p> <p>Pouring of concrete 23:05~2:15Hrs Total Qty= 136m3</p> <p>K1+360~1+370 Left side</p> <p>Excavation with jack hammer 7:30~17:30Hrs</p> <p>K1+380~1+400 Left side</p> <p>Charging for blast explosive 75KG used 10:00~11:00Hrs</p> <p>Blast 12:30Hrs</p> <p>Mucking and excavation 13:00~17:30Hrs</p> <p>K1+420~1+436 Right side</p> <p>Pouring of lean concrete 1:45~4:10Hrs Total Qty= 88m3</p> <p>K1+460~1+480 Right Side and left side</p> <p>Support work and welding steel bars for steel girders 07:30~17:30Hrs</p> <p>Support work and welding steel bars for steel girders 19:30~5:30Hrs</p>	<p>L/S K0+405~0+429</p> <p>Arrangement for 1m bedding concrete 7:30~10:30Hrs</p> <p>Pouring of concrete 10:35Hrs~23:30Hrs</p> <p>Qty=324m3</p> <p>Surface finishing 23:30~5:30Hrs</p> <p>K0+161~0+049</p> <p>Remedial shotcrete sprayed 14:30~16:30Hrs 8m3</p> <p>Downstream</p> <p>L/S K1+209~1+221</p> <p>Cleaning surface for lean concrete 7:30~12:30Hrs</p> <p>Pouring of lean concrete 12:40~17:38Hrs Qty 168m3</p> <p>K0+633~0+645 Left Side</p> <p>Surface finishing of invert concrete 7:30~16:30Hrs</p> <p>K0+645~0+657</p> <p>Surface cleaning for invert concrete 7:30~17:30Hrs</p> <p>L/S K1+329~1+341</p> <p>Cleaning surface for invert concrete 7:30~17:30Hrs</p> <p>Pouring of concrete 2:30~5:45Hrs Qty=120m3</p> <p>L/S K1+293~1+305</p> <p>Pouring of 1m bedding concrete 00:00~3:30Hrs</p> <p>Qty=120m3</p> <p>K1+353~1+365</p> <p>Cleaning surface for invert concrete 7:30~17:30Hrs</p> <p>Cleaning surface for invert concrete 19:30~5:30Hrs</p> <p>R/S K1+161~1+200</p> <p>Invert rock surface cleaning for lean concrete 19:30~5:30Hrs</p> <p>K1+360~1+370 Left side</p> <p>Excavation with jack hammer 7:30~17:30Hrs</p> <p>K1+444~1+474 Right side</p> <p>Drilling for rock bolts 8m and installation 10:00~17:30Hrs</p> <p>K1+469~1+474 Right side</p> <p>Drilling for anchor bars 2:00~5:30Hrs</p> <p>Outlet outside</p> <p>Fixing of form work for slope protection concrete 10:00~17:30Hrs</p> <p>Part 2 Right wall backfill concrete</p> <p>Pouring of concrete 5:00~7:00Hrs Continue</p>	<p>L/S K0+405~0+429</p> <p>Surface finishing of invert concrete 7:30~17:30Hrs</p> <p>K0+085~0+129</p> <p>Cleaning sludge from concrete surface 7:30~17:30Hrs</p> <p>No activity due to lack of resources 19:30~7:00Hrs</p> <p>K0+189~0+297</p> <p>Spraying remedial shotcrete 9:30~12:00Hrs</p> <p>No activity due to lack of resources 19:30~7:00Hrs</p> <p>Downstream</p> <p>R/S K1+161~1+173</p> <p>Cleaning of invert for concrete 07:30Hrs~17:30Hrs</p> <p>Pouring of 1m bedding concrete 3:30~5:15Hrs Qty 116 m3</p> <p>K0+645~0+657</p> <p>Surface cleaning for invert concrete 7:30~16:45Hrs</p> <p>Pouring of 1m bedding concrete 00:10~3:20Hrs Quantity 132m3</p> <p>K1+293~1+305</p> <p>Arrangement for pouring of concrete 07:30Hrs~17:30Hrs</p> <p>Arrangement for pouring concrete 19:30Hrs~5:30Hr</p> <p>L/S K1+329~1+341</p> <p>Surface finishing of invert concrete 07:30Hrs~17:30Hrs</p> <p>L/S K1+293~1+305</p> <p>Surface finishing of invert concrete 07:30Hrs~17:30Hrs</p> <p>K1+353~1+365</p> <p>Cleaning surface for invert concrete 7:30~17:30Hrs</p> <p>Cleaning surface for invert concrete 19:30~5:30Hrs</p> <p>K1+469~1+474 Right side</p> <p>Drilling for anchor bars 8:00~15:00Hrs</p> <p>Grouting for anchor bars 08:00Hrs~13:00Hrs</p> <p>Grouting for anchor bar 19:30Hrs~4:00Hrs</p> <p>K1+444~1+465 Right side</p> <p>K1+479~1444 Left Side</p> <p>Arrangement for grouting 08:30Hrs~09:30Hrs</p> <p>Grouting for 8m rock bolts 9:30~17:00Hrs 39No's L/S and 15No's R/S</p> <p>Grouting for 8m rock bolts 19:30~5:00Hrs 145No's Grouted</p> <p>Outlet outside</p> <p>slope protection area</p> <p>Pouring of concrete 12:13Hrs~13:30Hrs Quantity 40m3</p>	<p>K0+201~</p> <p>Spraying remedial shotcrete 8m3 11:00Hrs~12:00Hrs</p> <p>Downstream</p> <p>R/S K1+161~1+173</p> <p>Surface finishing 07:30Hrs~17:30Hrs</p> <p>Right side K1+173~1+185</p> <p>Cleaning surface for invert 1m bedding concrete 7:30~17:00Hrs</p> <p>Cleaning surface for invert 1m bedding concrete 19:30~4:00Hrs</p> <p>Pouring of concrete 4:00~Cont...</p> <p>R/S K1+185~1+197</p> <p>Cleaning surface for invert 1m bedding concrete 7:30~17:00Hrs</p> <p>K0+645~0+657</p> <p>Surface finishing of invert 7:30Hrs~17:30Hrs</p> <p>K0+657~0+669</p> <p>Cleaning surface for invert 1m bedding concrete 7:30~16:00Hrs</p> <p>Pouring of concrete 21:00~1:55Hrs Qty 118.5m3</p> <p>K0+837~</p> <p>Cleaning sludge from invert 07:30~17:30Hrs</p> <p>Cleaning sludge from invert 19:30~5:30Hrs</p> <p>K1+257~1+269 Right side</p> <p>Cleaning surface for invert 1m bedding concrete 13:30~17:00Hrs</p> <p>Cleaning surface for invert 1m bedding concrete 19:30~1:30Hrs</p> <p>Pouring of concrete 2:15~4:25Hrs Qty=130m3</p> <p>L/S K1+350~1+380</p> <p>Cleaning rock surface for lean concrete 07:30Hrs~17:30Hrs</p> <p>Cleaning rock surface for lean concrete 19:30~3:00Hrs</p> <p>Pouring of concrete 5:00 continue~</p> <p>K1+469~1+474 Right side</p> <p>Grouting for anchor bars 09:00~17:10Hrs</p> <p>K1+390~1+420 Left side</p> <p>Excavation and mucking 19:30~3:00Hrs</p> <p>Cleaning rock surface for lean 3:00~5:30Hrs</p> <p>K1+479~1444 Left Side</p> <p>Welding support bars for steel arches 07:30~17:30</p> <p>K1+400~1+444 Right wall</p> <p>Drilling for rock bolts 21:00~2:00Hrs</p>

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**Appendix K [5/34]**

				Part 2 Right wall backfill concrete Pouring of concrete 84.6m3 9:00~12:00Hrs	Outlet outside slope protection area Chipping and curing 07:30~17:30Hrs Part 2 Right wall backfill concrete Removing of formwork 07:30~17:30Hrs
<b>STARTER DAM LEFT BANK</b>	Removal of formwork from left bank sedimentation tank 7:30~17:30Hrs Percussion drilling for piling 19:30~5:30Hrs III-2 Block 4 Fixing of formwork for concrete 7:30~17:30Hrs Drilling for piling 7:30~17:30Hrs	Phase 2 slot 8 hole No 1 EI.779.0 Ch.K0+58~0+68.0 Drilling for core sampling 7:30~17:30Hrs	Cut off wall Phase 1 Slot 9 Hole No 1 Rotary rig drilling for piling 7:30~17:30Hrs Making slop and leveling at upstream side 7:30~17:30Hrs Massive rock back filling and layers compaction 7:30~17:30Hrs Making slop and leveling at upstream side 7:30~17:30Hrs	Cut off wall Phase 1 Slot 9 Hole No 1 Rotary rig drilling for piling 7:30~17:30Hrs Making slop and leveling at upstream side 7:30~17:30Hrs Massive rock back filling and layers compaction 7:30~17:30Hrs Fixing formwork and reinforcement for block 2-3 and 4 7:30~17:30Hrs Fixing of rebar for block No 5 7:30Hrs~17:30Hrs Fixing formwork and reinforcement for block 2-3 and 4 19:30~5:30Hrs Fixing of rebar for block no 5 19:30 Hrs~5:30Hrs	Cut off wall Phase II Slot 6 and 8 Hole No 1 Rotary rig drilling for piling 7:30~17:30Hrs Massive rock back filling and layers compaction 7:30~17:30Hrs Fixing formwork and reinforcement for block No 4 7:30~17:30Hrs Fixing of rebar for block No 5 07:30 ~17:30Hrs Fixing of steel and fixing of formwork block No 4 7:30Hrs~17:30Hrs Fixing of steel for block No 6 7:30~17:30Hrs Fixing of formwork and Arrangement for pouring of concrete for block no 4 7:30~17:30Hrs
<b>STARTER DAM RIGHT BANK</b>	Cut off wall Massive rock back filling 07:30~17:30Hrs Layers compaction 07:30Hrs~17:30Hrs Massive rock back filling and Layers compaction 19:30~5:30Hrs Phase 2 slot 1 hole no 8 EI.779.0 Ch.K0+58~0+68.0 Phase-II and phase I Percussion drilling for piling 7:30~17:30Hrs	Cut off wall Rotary rig drilling for piling 7:30~17:30Hrs No work (due to machine break down) 19:30~5:30Hrs Making slop and levelling at upstream side 7:30~17:30Hrs Massive rock back filling and Layers compaction 7:30~17:30Hrs Making slope and leveling at upstream side 7:30~17:30Hrs Massive rock back filling and Layers compaction 19:30~5:30Hrs Phase-I and phase II Percussion drilling for piling 7:30~17:30Hrs Percussion drilling for piling 19:30~5:30Hrs	Phase-II and phase I Percussion drilling for piling 7:30~17:30Hrs Percussion drilling for piling 19:30~5:30Hrs Phase-I Slot 2 Arrangement for concrete pouring 19:30~22:10Hrs Pouring of concrete 22:10~3:30Hrs Qty120m3	Phase-II and phase I Percussion drilling for piling 7:30~17:30Hrs Percussion drilling for piling 19:30~5:30Hrs	Phase-II and phase I Percussion drilling for piling 7:30~17:30Hrs Percussion drilling for piling 19:30~5:30Hrs III-02 Block 8 Fixing of geotextile sheet and reinforcement 13:00~17:30Hrs Fixing of reinforcement 19:30~5:30Hrs III-05 Block 4 K0+066~0+076.6 Pouring of concrete 15:00~2:00Hrs Qty=296m3 II-02 Block 4, 6, III-05 Block 6 Fixing of reinforcement 19:30~5:30Hrs
<b>Right Bank Diversion inlet</b>	K0+025~0+035 Arrangement for shotcrete 7:30~9:00Hrs Spraying of shotcrete on steel arches 9:30~11:30 (Qty 24m3) K0+058 Mucking and scaling 13:00~17:30Hrs Mucking and scaling 20:00~23:50Hrs Mapping 23:50~00:20Hrs Spraying a layer of shotcrete 2:20~3:00Hrs K0+027~0+035 Spraying 2nd layer shotcrete 3:00~4:00Hrs No work 4:00Hrs~5:30Hrs	K0+050~0+054 Arrangement for drilling rock bolts 7:30~10:00Hrs Drilling for missing rock bolts 10:00~11:00Hrs Grouting for missing rock bolts 14:30~17:00Hrs 7No's Grouted K0+054~0+061 Drilling for rock bolts 11:00~13:00Hrs Arrangement for grouting of rock bolts 13:00~14:30Hrs Grouting for rock bolts 14:30~17:00Hrs 31No's Grouted Arrangement for 2nd layer of shotcrete 17:00~17:30Hrs Spraying 2nd layer of shotcrete 20:21~21:15Hrs Quantity 8m3 K0+059~ Charging for additional blast 22:45~23:50Hrs Blast 00:00Hrs Mucking and scaling 00:30~2:00Hrs K0+050~0+060 Spraying 2nd layer of shotcrete 3:30~4:15Hrs K0+26~0+30 Spraying a layer of shotcrete on steel arches 4:30~5:30Hrs	K0+062~ Arrangement for drilling 7:30~9:00Hrs Drilling for blast 9:00~12:00Hrs Charging for blast 13:05~14:15Hrs Blast 14:34Hrs Exp 235Kg used Mucking and scaling 15:00~17:30Hrs Mucking and scaling 20:00~1:30Hrs Mapping 1:30~2:00Hrs Arrangement for shotcrete 2:00~3:00Hrs Spraying a layer of shotcrete 3:40~4:30Hrs	K0+065.5~ Drilling for blast 7:00~9:05Hrs Charging for blast 9:20~10:20Hrs Blast 10:30Hrs (Exp 250Kg used drilled holes 99) Mucking and scaling 12:00~17:30Hrs Mucking and scaling 20:15~22:10Hrs Mapping 22:40~23:00Hrs Q value 1.87 K0+065.5~0+068 1st layer of shotcrete 3:50~4:30Hrs 6m3 Survey for blast 5:10~5:40Hrs	K0+068.5~ Drilling for blast 7:00~09:45Hrs Charging for blast 09:50~10:50Hrs Blast 10:54Hrs (Exp 246Kg used drilled holes 100) Mucking and scaling 11:15~17:30Hrs K0+068.5~0+070 Arrangement for shotcrete 19:30~20:15Hrs Spraying a layer of shotcrete 8m3 21:30~22:15Hrs K0+061.5~0+070 Drilling for rock bolts 22:30~5:00Hrs
<b>Right bank diversion outlet</b>	K0+525~518 Steel Arch area Rectification and arrangement for 2nd layer shotcrete on arches 7:30~13:00Hrs Spraying 2nd layer shotcrete 13:00~16:00Hrs 16m3 K0+511~500 Arrangement for drilling rock bolts 16:00~16:30Hrs Drilling for rock bolts 16:30~19:00Hrs Drilling for rock bolts 22:00~2:00Hrs Arrangement for grouting 2:00~2:45Hrs Grouting and installation of rock bolts 2:45~5:30Hrs	K0+525~0+518 Steel Arches area Rectification and arrangement for 2nd layer shotcrete on arches 7:30~10:00Hrs Spraying 2nd layer shotcrete 10:00~13:30 (Qty 12m3) 16:30~19:00Hrs K0+511~0+506 Arrangement for 2nd layer shotcrete 7:30~10:00Hrs Spraying 2nd layer shotcrete 10:00~13:30Hrs (Qty 12m3) No work due to shortage of resources 13:30~17:30 Drilling for remaining rock bolts 20:00~21:40Hrs Arrangement for grouting 21:40~23:30Hrs Grouting and installation of remaining rock bolts 23:30~00:20Hrs 07Pcs installed K0+522~0+511 Spraying 2nd layer of shotcrete 1:30~2:00Hrs No work 2:00~5:30Hrs	K0+997~ Charging for blast 7:30 ~8:40 Hrs Blast 08:46Hrs( Explosive 250Kg drilled holes 102) Ventilation 8:46~9:15 Mucking and scaling 09:15~14:00Hrs No work due to shortage of resources 14:00~14:30 K0+990~0+996 Drilling for rock bolts 14:30~18:00Hrs Shift change 18:00~20:30Hrs K1+000~ Mapping Q value (1.66) 20:30~21:00Hrs Survey for blast 21:00~21:45Hrs Drilling for blast 21:45~3:30Hrs Charging for blast 3:30~5:00Hrs Blast 5:10Hrs Ventilation 5:10~5:30Hrs Shift change 05:30 Hrs~07:30	K0+525~0+518 Arrangement for 2nd layer shotcrete 7:30~8:00Hrs Spraying 2nd layer shotcrete on steel arches 8:30~9:30Hrs (Qty 8m3) K0+528~0+525 Arrangement for 2nd layer shotcrete 19:30~21:00Hrs Spraying shotcrete 21:15~22:25Hrs 8m3 No work due to support work 22:15~5:30Hrs	Face ch.505~ K0+525~0+518 Arrangement for 2nd layer shotcrete 07:30Hrs~08:35Hrs 2nd layer shotcrete sprayed 8m3 09:10Hrs~09:40Hrs K0+505.5 Charging for blast 12:30~15:42Hrs Blast 16:00Hrs Mucking 19:30~2:00Hrs Mapping 00:30~1:00Hrs Qv=0.75 Arrangement for shotcrete 3:00~4:00Hrs Spraying a layer of shotcrete 8m3 4:15~5:00Hrs

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			Note: Contractor did not complete the previous support work.		
<b>Left Bank Traffic Tunnel (From Inlet)</b>	K0+910~0+930 Arrangement for remedial shotcrete 8:30~9:30Hrs K0+994.5~ No activity due to short circuit 9:30~17:00Hrs No activity due to shortage of resources 19:30~1:00Hrs Arrangements for drilling 1:00~1:40Hrs Drilling for blast 1:40~5:00Hrs Charging for blast 5:10~6:00Hrs Blast and ventilation 6:10~7:00Hrs	K0+994.5~0+997 Mucking and scaling 8:00~17:00Hrs K0+997~ Mapping 19:30~20:00Hrs Q value 1.66 K0+994~0+997 Arrangement for 1st layer of shotcrete 20:00~21:00Hrs 1st layer of shotcrete 21:00~21:40Hrs Survey for blast 22:00~22:30Hrs Drilling for blast 3:30~5:30Hrs	K1+280~1+266 Drilling for rock bolts 10:30~11:00Hrs Arrangement for grouting 11:00~12:30Hrs Grouting machine breakdown 12:30 Hrs~13:45Hrs Grouting and installation of rock bolts 14:00~19:00Hrs 55No's Grouted 04 hole collapsed and 05No's rejected K1+266~ Drilling for blast 19:30~23:20Hrs Charging for blast 23:20~00:20Hrs Blast carried out 00:30Hrs Mucking and scaling 1:00~4:00Hrs	K1+000~ Mucking and scaling 07:30~11:00Hrs Lunch break 11:00~12:30Hrs Mucking and scaling 12:30~17:30Hrs Shift change 17:30~19:30Hrs No work (waiting for geology team) 19:30~19:50Hrs Geological mapping 19:50Hrs~20:20Hrs K1+000~K1+003 Installation of thickness pin 20:20Hrs~21:25Hrs Arrangement for 1st layer shotcrete 21:25~22:00Hrs No work (waiting for shotcrete) 22:00~23:30Hrs 1st layer shotcrete 8m³ 23:30~00:20Hrs K0+900~K0+920 Spraying 2nd layer of remedial shotcrete 8 m³ 00:35~1:30 K0+998~K1+003 Demarcation for rock bolts 01:30~02:40 Drilling for rock bolts 02:40~05:30 Shift change 5:30~7:30	K0+989~1+002 Arrangement for grouting 07:30~10:00 Hrs Grouting and installation of rock bolts 10:00~11:00 Hrs No work (Grouting machine breakdown and repairing work is in progress) 11:00~13:20Hrs Grouting again start from 13:20 Hrs~16:00Hrs 54No's Grouted 02 Hole collapsed K0+980~0+990 2No's Remaining grouted Scaling 16:00~17:30Hrs Shift change 17:30~19:30Hrs K1+003.5~ Survey for blast 19:30~20:30Hrs Drilling for blast 20:30~00:30Hrs Charging 00:30~1:35Hrs Blast carried out 1:45Hrs Ventilation 1:45~2:15Hrs Mucking and scaling 2:30~5:30Hrs Shift change 5:30~7:30Hrs
<b>Left Bank Traffic Tunnel (From Outlet)</b>	K1+272.5~ Drilling for blast 7:30~10:50Hrs Charging for blast 10:50~11:00 Blast carried out 11:15Hrs (Explosive Qty 250kg) Ventilation 11:15~11:30Hrs Mucking and scaling 13:00~17:30Hrs Mucking and scaling 19:30~23:00Hrs Mapping 23:00~23:40Hrs Qv=0.56 Spraying a layer of shotcrete 00:00~00:40Hrs K1+269.5~ Survey for blast 1:20~2:00Hrs No work due to lack of resources 2:00~5:30Hrs	K1+269~ Drilling for blast 7:30~10:50Hrs Charging for blast 10:50~11:00Hrs Blast carried out 11:30Hrs (explosive Qty 245kg) Ventilation 11:15~11:30Hrs Mucking 13:00~17:30Hrs Mucking and Scaling 19:30~22:30Hrs Mapping (Qv=0.6) 22:40~23:20Hrs Arrangement for a layer of shotcrete 23:40~00:00Hrs Spraying a layer of shotcrete 00:10~00:50Hrs K1+280~1+266 Arrangements for drilling rock bolts 00:50~1:30Hrs Drilling for rock bolts 1:30~5:30Hrs	K1+280~1+266 Drilling for rock bolts 10:30~11:00Hrs Arrangement for grouting 11:00~12:30Hrs Grouting machine breakdown 12:30 Hrs~13:45Hrs Grouting and installation of rock bolts 14:00~19:00Hrs 55No's Grouted 04 hole collapsed and 05No's rejected K1+266~ Drilling for blast 19:30~23:20Hrs Charging for blast 23:20~00:20Hrs Blast carried out 00:30Hrs Mucking and scaling 1:00~4:00Hrs	K1+264~ Mucking and scaling 07:30~10:30Hrs Geological mapping 10:30 Hrs~11:00Hrs Arrangement for 1st layer shotcrete 11:30 Hrs~12:00Hrs 1st layer shotcrete 12:30 Hrs~13:15Hrs 8m3 Survey for blast 14:00 Hrs~14:30Hrs Drilling for blast 14:45 Hrs~17:30Hrs Charging for blast 18:30~21:00Hrs Blast 21:34Hrs Mucking and scaling 22:00~5:30Hrs	K1+264~ Mucking and scaling 07:30 Hrs~10:30 Hrs Geological mapping 10:30 Hrs 11:00 Hrs~ Arrangement for 1st layer shotcrete 11:00 Hrs~12:00 Hrs 1st layer shotcrete 8m3 12:30 Hrs~13:30 Hrs K1+280~1+266 Survey and demarcation for rock bolts 13:30 Hrs~14:00 Hrs Drilling for rock bolts 14:00~17:30Hrs Grouting and installation of rock bolts 19:30~3:30Hrs 32Pcs installed No activity due to shortage of resources 3:00~5:30Hrs
<b>Right Abutment access road to Cable Crane Platform at D/S (Right bank)</b>	K0+087~K0+095 Excavation 7:30~17:00	Excavation 8:00~17:00	No work	Excavation 09:30 Hrs~15:00Hrs	No work
<b>Cable crane foundation (Right Bank)</b>	No work	EI: 1055~1051 Grouting for rock bolts 9:00~13:00 (8pcs)	EI: 1053~1052 Excavation 9:00~14:00Hrs EI: 1052~1051 Drilling for blast 13:00~17:00	EI: 1052~1051 Drilling for blast 7:30~11:30Hrs Charging 15:00~16:00Hrs Blast 16:30Hrs Excavation 8:00~18:00Hrs	EI: 1052~1051 Excavation 9:30~18:30Hrs
<b>Siglo RCC Crush plant No. 2 and Siglo RCC Batching plant No. 2</b>	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs No work due to rain 07:30Hrs~7:30Hrs	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs
<b>Uchar New Crushing plant #01</b>	Batching plant Breaking stone with jack hammer 07:30~17:30 Fixing main gate 7:30~17:30 Construction of cable trench at power station 7:30~17:30 Welding works 7:30~17:30 No work 19:30~7:00Hrs	Batching plant Excavation and leveling at inside at batching plant area 7:30~17:30 Fixing of guarder for generator room 7:30~17:30 Construction of cable trench at power station 7:30~17:30 Welding works 7:30~ Paint works at main gate 12:00~17:30Hrs	Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs Repairing work at crushing plant area 7:30~17:30Hrs	Batching plant Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs	Batching plant Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs
<b>Kass Camp Parking platform (Day Work)</b>	No work	No work	No work	No work	No work
<b>CR-5-2 / LU-2</b>	Excavation 08:00~17:30Hrs	Excavation 08:00Hrs~15:00Hrs	Excavation 08:00Hrs~15:00Hrs	Excavation for cable crane foundation 08:00Hrs~17:30Hrs	Excavation for cable crane foundation 08:00Hrs~17:30Hrs Drilling for rock bolts 08:00 Hrs~17:30Hrs Drilling for blast 10:00 Hrs~17:30Hrs
<b>Date/Day Location</b>	<b>9 Thu.</b>	<b>10 Fri.</b>	<b>11 Sat.</b>	<b>12 Sun.</b>	<b>13 Mon.</b>
<b>Diversion Tunnel A INLET</b>	Top slab Part 3 K0-018.7~K0-025.4 EI.790.4~793.9 Arrangement for concrete pouring 7:30~17:30Hrs Arrangement for concrete pouring 19:30~05:30Hrs Top slab area	Top slab Part 3 K0-018.7~0-025.4 EI.790.4~793.9 Arrangement for concrete pouring 7:30~12:30Hrs Pouring of concrete 12:30~continue Top slab area	Part-3 K0-018.7~0-025.4 EI.790.4~793.9 Pouring of concrete (today108m3) 7:00~15:50Hrs (Total 612m3) Transition Part	Top Slab Part V Fixing of formwork and welding 7:30~17:30Hrs Top Slab Right side Removal of formwork 7:30~11:30Hrs Top Slab Slope Area	Top Slab Part V Fixing of formwork and welding works 7:30~17:30Hrs Top Slab Right side Removal of formwork 7:30~17:30Hrs Top Slab Slope Area

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**Appendix K [7/34]**

	<p>Fixing of scaffolding 7:30-17:30Hrs Fixing of scaffolding 19:30-05:30Hrs Left wall Removing of scaffolding and formwork 7:30~17:30Hrs Removing of scaffolding and formwork 19:30-05:30Hrs Gate slot area Left side Cleaning and chipping 7:30~17:30Hrs No activity 19:30~7:30Hrs Part 4 Loading of formwork by manpower and shifting to outside Arrangement for cavity grouting 7:30~17:30Hrs Execution of cavity grouting 19:30~00:25Hrs (13 Holes grouted)</p> <p>Part 1 K0+002.3~k0+019 Fixing of formwork and steel stirrups 7:30~17:30Hrs Fixing of formwork and steel stirrups 19:30~05:30Hrs</p>	<p>Fixing of reinforcement and formwork 7:30~17:30Hrs No activity 19:30~5:30Hrs Left wall Removing of scaffolding and formwork 7:30Hrs~17:30Hrs No work 19:30~5:30Hrs Gate slot area Left side Cleaning and chipping 7:30~17:30Hrs No activity 19:30~5:30Hrs Part 4 No work due to lack of manpower Part 1 K0+002.3~K0+019 Fixing of steel stirrups and formwork 7:30~17:30Hrs Fixing of steel stirrups and formwork 19:30~5:30Hrs</p>	<p>Removal of scaffolding 13:00~17:30Hrs No work 19:30~7:30Hrs Gate slot area Left side Fixing and welding work at sill beam 7:30~17:30Hrs No work 19:30~7:30Hrs Top Slab Part 5 Installation of formwork 19:30~05:30Hrs Part-1 K0+002.3~k0+019 Fixing of steel stirrups and formwork 7:30~17:30Hrs Arrangement of concrete for 8th lift 19:30~3:30hr. No work due to DTA Out let concrete 3:30~7:00hr Part-4 Concrete repairing and finishing work 7:30~17:30Hrs</p>	<p>Removal of scaffolding 7:30~4:30Hrs Gate Slot Left side Fixing of frames for sill beam 7:30~2:30Hrs Gate Slot Right side Surface finishing 8:00~11:30Hrs Part-1 K0+002.3~K0+019 Repairing concrete joints at Left wall 7:30~17:30Hrs Pouring of concrete 7:30~23:25Hrs Qty 397m3. Part-03 Removing of stairs 7:30~14:30Hrs Part-04 Concrete repairing and finishing work 7:30~17:30Hrs</p>	<p>Removal of scaffolding 7:30~17:30Hrs Gate Slot Left side Fixing and welding of frame for sill beam 7:30~17:30Hrs Gate Slot Right side Surface finishing 8:00~17:30Hrs Part-1 Fixing of reinforcement 7:30~5:30Hrs Preparing concrete surface for next pour 7:30~17:30Hrs</p> <p>Part-4 Removing of scaffolding 7:30~5:30Hrs Concrete repairing and finishing work 8:30~3:00Hrs</p>
<b>Diversion Tunnel A UNDER GROUND</b>	<p>K0+405~ Cleaning of sludge from invert surface 8:00Hrs~13:00Hrs Cleaning of sludge from invert surface 19:30~05:30Hrs K0+333~0+369 Spraying remedial layer of shotcrete 10:00~10:30Hrs Qty 3m3 Downstream Right side K1+173~1+185 Pouring of 1m bedding concrete 8:30~9:00Hrs (Total Quantity 128 m3) Surface finishing 19:30~5:30Hrs Right side K1+185~1+197 Excavation and cleaning 7:30~17:30Hrs Excavation and cleaning 19:30~5:30 K0+657~0+669 Left Side Surface finishing of invert concrete 8:00~17:30Hrs K0+669~0+681 Left side Cleaning surface for invert concrete 07:30Hrs~16:30Hrs Arrangement for 1m bedding concrete 16:30~17:30Hrs K1+257~1+269 Right side Surface finishing of invert concrete 7:30~17:30Hrs K1+269~1+281 Cleaning sludge from invert surface 7:30~17:30Hrs Cleaning sludge from invert surface 19:30~5:30Hrs L/S K1+350~1+390 Pouring for lean concrete 9:30~16:00Hrs Total Quantity 295m3. K1+390~ Invert rock surface cleaning for lean concrete 19:30~5:30Hrs K1+444~1+474 Right side Grouting for anchor bars and welding of supporting bars for steel girders 7:30~12:00Hrs K1+470~ Excavation and loading 19:30~5:30Hrs K1+390~1+420 Left side Excavation with jackhammer and cleaning 7:30~17:30Hrs Outlet outside Slope protection area Arrangement for pouring concrete 7:30~17:30Hrs Arrangement for pouring concrete 19:30~03:30Hrs Pouring of concrete 03:45~Continue</p>	<p>K0+333~0+369 No work Downstream Left side K0+429~0+441 Cleaning of sludge from invert surface 7:30~12:00Hrs Right side K0+489~0+571 Cleaning of sludge from invert surface 7:30~17:30Hrs Right side K1+185~1+197 Excavation and Cleaning 7:30~17:30Hrs K0+669~0+681 left side Cleaning surface for 1m bedding concrete 7:30~17:30Hrs Cleaning surface for 1m bedding concrete 19:30~3:30Hrs Pouring of concrete 3:35~continue K1+269~1+281 Cleaning of surface for 1m bedding concrete 7:30~17:30Hrs Arrangement for concrete 19:30~10:00Hrs Pouring of concrete 22:00~03:30Hrs Surface finishing 3:50~5:30Hrs (Total Qty 144m3) K1+410~ Right side Arrangement for grouting 13:00~13:50Hrs Grouting for rock bolts 13:50~16:30Hrs (25 Pcs) Arrangement for grouting 19:30~21:30Hrs Grouting for rock bolts 22:00~5:30Hrs (60 pcs Grouted) K1+444~ Right side Excavation and loading 7:30Hr~17:30Hrs Fixing of steel girders and welding work 19:30~5:30Hrs K1+444~Left side Fixing of scaffolding and formwork 7:30~17:30Hrs Fixing of scaffolding and formwork 19:30~5:30Hrs K1+390~1+420 Left side Excavation with jackhammer and cleaning 7:30~17:30Hrs Invert surface cleaning for lean concrete 19:30~5:30Hrs Outlet outside Left side K1+480~1+444 Fixing of formwork 07:30~17:30Hrs Fixing of scaffolding 07:30~17:30Hrs Right Side K1+474~1+444</p>	<p>K0+061~0+395 Cleaning and washing of invert surface and removal of waste material 7:30~17:30Hrs K0+381~0+405 Remedial layer of shotcrete (3m3) 13:25~15:30Hrs Downstream K0+669~0+681 Left side Pouring of 1m bedding concrete (24m3 in day) (total110m3) 7:00~9:30Hrs Surface finishing 9:30~17:00Hrs K0+681~ Cleaning of invert surface for lean 19:30~05:30hr. K1+420~1+430 Left side Invert scaling and mucking 7:30~9:00Hrs Removing of undercuts with jack-hammer 9:00~11:00Hrs K1+444~ Right side Removing of undercuts with jack-hammer 19:30~04:00hr. K1+444~ Left side Welding works and arrangement for concrete 19:30~05:00hr. K1+269~1+281 Right side Invert concrete surface finishing 7:30~17:30Hrs K1+281~1+293 Right side Preparing lean surface for invert concrete 7:30~17:30Hrs K1+341~1+353 Left side Preparing lean surface for invert concrete 7:30~05:30Hrs K1+433~1+444 Right wall (4th layer) Grouting and installation of rock bolts (5m) (18 Nos) 9:00~11:00Hrs First layer shotcrete sprayed 15:00~15:40Hrs K1+410~1+430 Second layer shotcrete sprayed 32m315:50~17:30 K1+390~1+430 Left side Invert rock surface cleaning for lean concrete 7:30~16:45Hrs Pouring of lean concrete 17:20~2:50Hr 208m3. K1+350~K1+390 Arrangement for 2nd layer of shotcrete 20:00~21:10hr. Spraying of 2nd layer shotcrete 21:30~06:00hr 56m3.</p> <p>Outlet outside Right Wall K1+474~1+444 (Support work) Fixing and welding of steel plates (formwork) 8:00~13:00Hrs Left Wall K1+480~1+444 (Support work)</p>	<p>K0+339~0+400 Cleaning and washing of sludge 7:30~17:30Hrs K0+410~0+415 Remedial layer of shotcrete 16:00~16:30Hrs 1.6m3 No work in the night shift 19:00~7:00Hrs Downstream Left side K0+693~0+725 Cleaning and washing of invert surface 7:30~17:30Hrs Left side K0+681~K0+693 Invert cleaning 7:30~17:30Hrs Pouring of 1m bedding concrete 18:16~00:32Hr Qty 132m3 Finishing invert concrete surface 1:00~7:00Hrs Right side K1+185~K1+197 Pouring of 1m bedding concrete 12:25~3:40Hrs Qty 120m3 Right Side K1+269~1+281 Cleaning for invert concrete 7:30~17:30Hrs Left Side K1+341~1+353 Pouring of 1m bedding concrete 9:30~13:50Hrs 129m3 Surface finishing of invert concrete 13:50~4:30Hrs Left Wall K1+400~K1+444 Arrangement for grouting 23:00~23:50Hrs Grouting and installation of rock bolts 23:50~5:30Hrs 30Pcs installed and 10 holes collapsed K1+444~ Excavation and mucking for lean 9:30~3:30Hrs Right side K1+281~1+293 Pouring of 1m bedding concrete 14:10~17:55Hrs Qty 132m3. Right side K1+285~1+375 Cleaning sludge form invert surface 7:30~17:30Hrs K1+400~ Sludge loading on dumpers 16:00~17:30Hrs</p> <p>Outlet &amp; Outside Left Side K1+444~1+474 Fixing of scaffolding and formwork 7:30~1:30Hrs Arrangement for self-compaction concrete 1:30~2:00Hrs Right Side Cleaning of sludge 7:30~17:30Hrs Fixing formwork at right side of slop protection 7:30~17:30Hrs</p>	<p>K0+425~0+460 Cleaning and washing of sludge from invert surface 7:30~4:30Hrs K0+410~0+430 Remedial layer of shotcrete (6m3) 15:10~16:00Hrs Downstream K0+681~0+693 Left Side Invert concrete surface finishing 7:30~11:00Hrs K0+693~K0+705 Left side Cleaning invert for concrete and formwork fixing 19:30~5:30Hrs K1+185~1+197 Right Side Invert concrete surface finishing 7:30~17:00Hrs No activity 19:30~5:30Hrs K1+293~1+305 Right Side Cleaning invert surface for 1m bedding concrete 7:30~01:30Hrs Pouring of concrete 01:30~5:35Hrs Qty 132m3 K1+353~1+365 Left side Cleaning of invert surface for 1m concrete 7:30~21:30Hrs Pouring of concrete 21:30Hrs~01:00Hrs Total Qty 132m3 K1+410~1+444 Left Wall Arrangement for grouting 8:00~10:00Hrs Grouting and installation of rock bolt (30 no's installed)10:00~15:40Hrs Drilling for remaining rock bolts 23:30Hrs~4:30 Hrs Grouting and installation of rock bolts 01:30Hrs~ K1+420~K1+474 Right side Cleaning and washing invert for lean concrete 19:30~23:45Hr. Pouring of concrete 00:00~5:30Hrs Qty 96m3 Outlet &amp; Outside K1+444~1+479 Left Side Fixing of scaffolding and formwork 7:30~5:30Hrs Pouring of self-compaction concrete (64m3 in day shift and total 80m3) 7:00~16:27Hrs K1+430~ Right Side Cleaning invert rock surface for lean concrete 7:30~17:30Hrs Removing undercuts with jack-hammer 10:00~11:20Hrs Slope Protection Right wall Removal of formwork from 3rd lift and installation on 4th lift 8:00~16:20Hrs Arrangement for concrete 16:00~17:30Hrs Pouring of concrete 20:00~22:30hr Qty32m3. Fixing scaffolding for access 9:00~17:00Hrs</p>
<b>STARTER DAM</b>	<p>Cut off wall Phase II Slot 8 Hole No 1 Core drilling 7:30~17:30Hrs Rotary rig drilling for pilling 7:30~17:30Hrs Massive rock back filling 7:30~17:30Hrs Phase II Slot 3</p>	<p>Cut off wall Phase II Slot 8 Hole No 1 Core drilling 7:30~17:30Hrs Core drilling 19:30~5:30Hrs Rotary rig drilling for pilling 7:30~17:30Hrs Massive rock back filling 7:30~17:00Hrs III-02 Block 8</p>	<p>Cut off wall Core drilling 7:30~16:30Hrs Percussion drilling for blast 19:30~7:00Hrs Massive rock back filling 7:30~17:00Hrs III-02 Block 8 Fixing of reinforcement and formwork 7:30~18:00Hrs</p>	<p>Cut off wall II-2 Block # 04 Block # 06 Fixing of formwork and cleaning 7:30~19:00Hrs Making access and oiling formwork 7:30~19:00Hrs III-4 Block # 04 Arrangement and cleaning 7:30~19:00Hrs</p>	<p>Cut off wall Percussion drilling 7:00~7:30Hrs Percussion drilling 19:30~5:30Hrs</p> <p>Starter Dam Massive rock back filling + roller compaction 7:30~5:30Hrs Drilling for pilling 7:30~7:30Hrs</p>

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**Appendix K [8/34]**

	<p>Cleaning hole and arrangement for pouring concrete 7:30~18:00Hrs Pouring of concrete 19:40~2:35 (Total Qty 288m3) III-02 Block 8 Fixing of reinforcement and formwork 7:30~17:30Hrs Fixing of reinforcement and formwork 19:30~05:30Hrs III-02 Block 4 Fixing formwork and making access 7:30~17:30Hrs Fixing formwork and making access 19:30~5:30Hrs III-02 Block 6 Fixing of reinforcement and formwork 7:30~17:30Hrs Fixing of reinforcement and formwork 19:30~5:30Hrs III-05 Block 6 Fixing of reinforcement and formwork 7:30~17:30Hrs Fixing of reinforcement and formwork 19:30~05:30Hrs</p>	<p>Welding of formwork and arrangement of concrete 7:30~17:30Hrs Arrangement of concrete 19:30~5:30Hrs III-02 Block 4 Pouring of concrete 6:00~22:50Hrs Total Qty 340m3 III-02 Block 4 Fixing of formwork 7:30~17:30Hrs Fixing of formwork 19:30~5:30 III-04 Block 4 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~5:30Hrs III-02 Block 6 Welding of formwork and arrangement of concrete 7:30~15:30Hrs Welding of formwork and arrangement of concrete 19:30~5:30Hrs III-05 Block 6 Welding of formwork and arrangement of concrete 7:30~17:30Hrs Arrangement of concrete 19:30~6:15Hrs Pouring of concrete 6:15Hrs~continue</p>	<p>Arrangement for concrete 19:30~01:00Hrs Pouring of concrete 01:00~7:00 in progress. II-02 Block 4 and Block 6 Fixing of reinforcement and formwork 7:30~05:30Hrs III-04 Block 4 Fixing of reinforcement 7:30~15:30Hrs III-02 Block 6 Fixing of reinforcement and formwork 7:30~5:30Hrs III-05 Block 6 Pouring of concrete (Qty 264m3) 7:00~22:00Hrs Surface finishing 22:00~5:30Hrs</p>	<p>Fixing of formwork 7:30~19:00Hrs Making access and oiling formwork 7:30~19:00Hrs Survey 7:30~19:00Hrs Arrangement for pouring of concrete 21:00~4:00 Pouring of concrete 4:10Hrs~continue III-1 Block # 01 Fixing of reinforcement 7:30~5:30Hrs III-2 Block # 06 Fixing of form work +oiling 7:30~17:30Hrs Arrangement for pouring concrete 7:30~20:30Hrs Waiting for concrete 20:00~23:45Hrs Pouring of concrete 23:45~7:00Hrs II-2 Block # 06 Fixing of form work +oiling and arrangement 7:30~6:00Hrs III-01 Block # 04 Fixing of reinforcement 7:30~5:30Hrs III-4 Block # 06 Geotextile sheet + Reinforcement fixing 7:30~5:30Hrs EL.775.3~775.5 Left side Drilling for rock bolts L/S 7:30~17:30Hrs</p>	
<b>Right Bank Diversion inlet</b>	<p>K0+061.5~0+071 Drilling for rock bolts 8:00Hrs~13:20Hrs Arrangement for grouting rock bolts 13:40Hrs~14:15Hrs Grouting for rock bolt 14:15~17:30Hrs 63No's Grouted 6 Hole collapsed K0+072~ Drilling for blast 19:30~23:00Hrs Charging 23:00~00:10Hrs Blast 00:30Hrs Mucking and scaling 1:00~5:30Hrs</p>	<p>K0+075.5~0+079 Drilling for blast by manpower 8:00~14:00Hrs Charging for blast 14:00~17:10Hrs Blast 17:25Hrs Mucking and scaling 19:30~5:30Hrs</p>	<p>Face Ch: K0+079 K0+072.5~0+079 No work 7:00Hrs~11:30Hrs Arrangement for shotcrete 11:30~12:50Hrs 1st layer shotcrete sprayed 12:50~13:45Hrs Survey and demarcation for blasting 15:30~16:10Hrs Drilling for blast 16:50~17:30Hrs Charging 20:00~22:00Hrs Blast 22:25Hrs Ventilation 22:25~23:00Hrs Mucking and scaling 23:00~3:50 Arrangement for 1st layer of shotcrete 3:50~4:30hr.</p>	<p>Face Ch: K0+082.5 K0+079~0+082.5 Scaling 7:30~10:00Hrs Geological mapping 10:00~10:30Hrs 1st layer shotcrete 10:30~11:50Hrs Qty 5.6m3 Preparation for drilling rock bolts 12:20~13:00Hrs Drilling for rock bolts 14:20~19:00Hrs Drilling for remaining rock bolts 19:00~20:00Hrs Grouting and installation of rock bolts 20:00~00:15Hrs K0+82.5~ Survey and demarcation for blast 19:00~19:30Hrs Drilling for blast 1:30~5:30Hrs Charging and blast 5:30~6:55Hrs</p>	<p>K0+082.5~0+086 Mucking and scaling 7:30~13:00Hrs Geological mapping (Q=1.67)13:20~14:00Hrs K0+082.5~0+086 1st layer K0+062~0+082 2nd layer Shotcrete sprayed 14:45~18:00Hrs K0+086~ Survey for blast 23:00Hrs~23:30Hrs Drilling for blast 23:30Hrs~3:00Hrs Charging and blast 3:30Hrs~5:30Hrs</p>
<b>Right bank diversion outlet</b>	<p>Face ch.502 K0+502~0+499 Arrangement for drilling for blast 8:00Hrs~9:00Hrs Drilling for blast 9:40Hrs~17:00Hrs Charging for blast 17:00~19:00Hrs Blast 19:30Hrs No work due to shortage of resources 20:00Hrs~7:00Hrs</p>	<p>Face Ch.502~ K0+502~0+498.5 Mucking and scaling 7:30Hrs~12:00Hrs Arrangement for 1st layer shotcrete 13:00Hrs~ No activity 19:30~5:30Hrs</p>	<p>Face Ch.498.5~ K0+498.5 No work 7:00~9:00Hrs Drilling for blast 9:00~13:00Hrs Charging and blasting 13:20~14:59Hrs Mucking 15:30~18:00Hrs Installation of thickness pins 19:30~20:30Hrs Arrangement for shotcrete 20:30~1:20Hrs 1st layer shotcrete sprayed 8m3 1:20~1:45Hrs K0+505~K0+498 Marking and Arrangement for drilling of rock bolt 2:00~4:20hr. Drilling for rock bolt 4:20~6:00hr.</p>	<p>Face Ch.498 K0+505~498.5 Drilling for rock bolts 8:00~09:15Hrs Arrangement for grouting 9:15~10:00Hrs Grouting and installation of rock bolts 10:00~13:30Hrs 59Pcs grouted and 07 Pcs collapsed K0+496~ Survey and demarcation for blast 14:45~15:15Hrs Drilling for blast 15:30~19:00Hrs Charging and blast 19:00~20:05Hrs Explosive Qty 250KG Mucking and scaling 21:00~03:20Hrs Arrangement for 1st layer of shotcrete 3:20~3:50Hrs 1st layer of shotcrete sprayed 6m3 4:20~5:00Hrs</p>	<p>K0+493~ Survey for blast 8:00~9:30Hrs Drilling for blast 10:00~14:00Hrs Charging and blast 14:00~17:09Hrs Mucking and scaling 19:30~00:30Hrs Arrangement for 1st layer shotcrete 00:30~1:40Hrs Spraying 1st layer shotcrete 6m3 1:40~2:30Hrs</p>
<b>Left Bank Traffic Tunnel (From Inlet)</b>	<p>K1+003.5~ Mucking 7:30~11:30Hrs Waiting of excavator for scaling 11:30~12:00Hrs Scaling 12:00~14:30Hrs Waiting for surveyors 15:00~17:30Hrs K1+006.5~ Survey for blast 14:00~15:00Hrs Drilling for blast 19:30~12:35Hrs Charging for blast 00:35~02:10Hrs Blast and ventilation 2:25~02:50Hrs~ Mucking and scaling 3:00~06:30Hrs</p>	<p>K1+006.5~0+10.6 Mucking and scaling 7:30Hrs~17:30Hrs Geological mapping 20:20~20:50 Installation of thickness pins 20:50~21:30Hrs Arrangement for shotcrete 21:30~22:30Hrs Spraying 1st layer of shotcrete 22:30~23:10Hrs K1+010.6~ Survey for blast 01:00~1:40 Arrangement of drilling for blast 1:40~3:00Hrs Drilling for blast 3:00~5:20 Charging for blast 5:20~6:50 Blast and ventilation 6:55Hrs K0+960~ Fixing of wire mesh 20:00Hrs~5:30Hrs</p>	<p>K1+010.6~ No work 7:00~8:00Hrs Mucking and scaling 8:00~14:00Hrs Geological mapping 14:10~14:30Hrs No work 14:30~15:30Hrs Installation of shotcrete thickness pin 15:30~16:00Hrs Arrangement for remedial shotcrete 16:20~17:10Hrs Shotcrete sprayed (6m6) 17:20~18:00Hrs K0+960~ Fixing of wire mesh 19:30~05:30Hrs</p>	<p>K0+690~K0+970 Fixing of wire mesh 8:00~17:30Hrs Demarcation for rock bolts 9:30~10:00Hrs Drilling for rock bolts 21:00~2:00Hrs K0+880~K0+950 Drilling for weep hole 2:30~6:00Hrs</p>	<p>K1+003~K1+013 Arrangement for grouting of rock bolts 7:30~10:45Hrs Grouting and installation of rock bolts 10:45~16:00Hrs (49 Nos installed and 3 holes collapsed) K0+960~ Fixing of wire mesh 7:30~17:30 Fixing of wire mesh 19:30~4:30Hrs</p>
<b>Left Bank Traffic Tunnel (From Outlet)</b>	<p>K1+261~ Survey for blast 8:00Hrs~8:30Hrs Waiting for drilling jumbo 8:30~9:00Hrs Drilling for blast 9:00~14:00Hrs</p>	<p>K1+261~ No work 7:30~9:30Hrs Arrangement for 1st layer shotcrete 9:30~10:30Hrs Spraying 1st layer shotcrete 10:30~11:20Hrs (8m3) K1+255~</p>	<p>K1+252~1+266 Drilling for rock bolts 9:20~15:30Hrs Arrangement for grouting 16:00~17:00Hrs Grouting and installation of rock bolts 21:00~00:40Hrs</p>	<p>K1+290~ Fixing of wire mesh 8:00~5:00Hrs</p>	<p>K1+290~K1+270 Mucking and scaling 7:30~16:30Hrs Fixing of wire mesh 19:30~5:30Hrs</p>

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**Appendix K [9/34]**

	Charging for blast 14:00~18:50Hrs Blast 19:00Hrs Mucking and scaling 19:30~04:20 Arrangement for 1st layer shotcrete 4:30~	Drilling for blast 12:00~14:30Hrs Charging 14:30~17:30Hrs Blast 17:40 Mucking and scaling 20:00~6:00	30 No's installed and 2 No's collapse Installation of wire mesh 1:30~5:00hr.		
<b>Right Abutment access road to Cable Crane Platform at D/S (Right bank)</b>	CH: 0+098 Excavation with jack hammer 9:00~12:30Hrs Drilling for blast 14:00~17:30Hrs	El: 1052~1051 Excavation with jack hammer 8:30~17:20Hrs	El: 1050~ Drilling for blast 08:00~17:00Hrs Drilling for blast 20:00~5:00Hrs	No work 7:00~7:00Hrs	K0+098~0+105 Excavation 7:30~11:00Hrs Drilling for blast 11:00~14:00Hrs Charging and blast 14:00~15:20Hrs Excavation 15:40~17:30Hrs
<b>Cable crane foundation (Right Bank)</b>	El: 1052~1051 Excavation with jack hammer 9:00~14:00Hrs El: 1055~1051 Grouting of rock bolts 14:30~18:10Hrs (40pcs) Note: Quality issue in Rock Bolts Grouting and safety issue. Contractor has not followed method of grouting. Even contractor site team has instructed on the spot to rectify the method but they refused to follow. After that DHC site team coordinated with Mr. Yen (QAQC site in-charge) but he did not take any action.	CH: 0+095~0+100 Drilling for pre splitting hole blasting 9:00~10:00Hrs Charging for blast 10:10~11:00Hrs Blast 11:20Hrs	No work 7:00~7:00Hrs	El: 1050~ Drilling for blast 8:00~17:00Hrs Drilling for blast 20:00~5:00Hrs	El: 1050~ Drilling for pre-splitting hole blast 7:30~18:00Hrs
<b>Siglo RCC Crush plant No. 2 and Siglo RCC Batching plant No. 2</b>	Upstream K0+080~0+160 Downstream No work due to local villagers stop the work 07:30Hrs~7:30Hrs No work	No work 7:00~7:00Hrs	No work 7:00~7:00Hrs	No work 7:00~7:00Hrs	No work 7:00~7:00Hrs
<b>Uchar New Crushing plant #01</b>	Batching plant Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs	Batching plant Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs	Batching plant Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs	Batching plant Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs	Batching plant Construction of cable trench at power station 7:30~17:30Hrs Welding works 7:30~17:30Hrs
<b>Kass Camp Parking platform (Day Work)</b>	No work	No work	No work	No work	
<b>CR-5-2 / LU-2</b>	Excavation 7:30~17:30Hrs Drilling for blast 10:00~17:30Hrs	Excavation with excavator 8:00~17:30Hrs	EL.1053~1054 K0+380~0+490 Drilling for rock bolt 08:00~9:00Hrs Arrangement for grouting 9:00~11:00Hrs Grouting and installation of rock bolt 3No's installed 13:30~14:00Hrs No work due to grouting machine breakdown 14:00~17:00Hrs No work in the night shift 17:00~7:00Hrs	EL.1018~ K0+400~0+420 Charging for blast and blast 12:20~13:30Hrs K0+380~K0+490 EL.1041~1052 Drilling for rock bolts 7:30~16:00Hrs Cable Crane Platform EL. 1032 Excavation 8:00~17:00Hrs No work 17:00~7:00Hrs	Cable Crane Platform EL. 1032 El:1053~1056 Arrangement for grouting rock bolts 8:00~13:00Hrs No work (malfunctioning of grouting machine) 13:00~19:00Hrs El:1018~ Drilling for rock bolts 9:00~16:30Hrs Excavation 8:00~17:30Hrs
<b>Front of Adit -1</b>		Dumping and back filling for Cr2 ceremonial platform	Dumping and back filling for Cr2 ceremonial platform 7:30~15:00Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30~15:00Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs
<b>Date/Day Location</b>	<b>14 Tue.</b>	<b>15 Wed.</b>	<b>16 Thu.</b>	<b>17 Fri.</b>	<b>18 Sat.</b>
<b>Diversion Tunnel A INLET</b>	Top Slab Part V Fixing of formwork and welding works 7:30~17:30Hrs No work 19:30~5:30Hrs Top Slab Slope Area Removal of formwork and scaffolding 7:30~17:30Hrs Removal of formwork and scaffolding 19:30~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs No work 19:30Hrs~5:30Hrs Gate Slot Right side Surface finishing 8:00~17:30Hrs No work 19:30~5:30Hrs Part-1 Fixing of reinforcement 7:30~17:30Hrs Preparing concrete surface for next pour 7:30~17:30Hrs Arrangement for pouring of concrete 19:30~23:30Hrs Pouring of concrete 1:00~7:00Hrs.....continue Part-4 Removal of scaffolding 7:30~17:30Hrs Concrete repairing and finishing work 8:30~19:00Hrs Removal of scaffolding 19:30~5:30Hrs	Top Slab Part V Arrangement for pouring of concrete 7:30~18:00 Making access and other arrangement 19:30~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~18:00 No work 19:30~5:30Hrs Part-1 Pouring of concrete 7:00~7:00Hrs continue Part-4 Removal of scaffolding 7:30~17:30Hrs Concrete repairing and finishing work 7:30~18:00Hrs Removing of scaffolding and shifting outside 19:30~5:30Hrs	Top Slab Part 12 Arrangement for pouring of concrete 7:30~18:00 Making access and other arrangement 19:30Hrs~18:00Hrs Pouring of concrete 18:05Hrs~7:00Hrs..... Top Slab Removal of scaffolding downside and slope area 19:30~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs Part-1 Pouring of concrete 7:00~9:14Hrs Total Quantity 713m3 Green cutting and curing of concrete 19:30~4:00Hrs Part-4 Removal of scaffolding 7:30~17:30Hrs Removal of scaffolding 19:30~5:30Hrs	Top Slab Part 12 Pouring of concrete 7:00~13:42Hrs Qty=332m3 Curing 23:00Hrs~3:00Hrs Removing of formwork 19:30Hrs~5:50Hrs Top Slab Cleaning surface and formwork 7:30~17:30Hrs No work Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs No work Part-1 Green cutting and curing of concrete 7:30~4:30Hrs Pouring of concrete 17:45~3:45Hrs (225m3) Part-4 Removal of scaffolding and shifting to outside 7:30~17:30Hrs Removal of scaffolding and shifting to outside 19:30~5:30Hrs	Top Slab Part 12 Removing of formwork 7:30~17:30Hrs Transition part Left and Right Side Removing of formwork 19:30~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs No work 19:30~5:30Hrs Part-1 Curing 7:30~15:30Hrs Removing of formwork and loading to outside 19:30Hrs~5:30Hrs Part-4 No work Removing of formwork and loading to outside 19:30Hrs~5:30Hrs
<b>Diversion Tunnel A UNDER GROUND</b>	K0+425~0+460 Cleaning and washing of sludge from invert surface 7:30~17:30Hrs	K0+425~0+460 Cleaning and washing of sludge from invert surface 7:30~17:30Hrs	K0+425~0+460 Cleaning and washing of sludge from invert surface and loading 7:30~17:30Hr No Work 19:30~7:00Hrs Downstream	K0+425~0+460 Cleaning and washing of sludge from invert surface and loading 7:30~17:30Hr No Work 19:30~7:00Hrs Downstream	Downstream K0+522~ Sprayed remedial shotcrete 9:55~15:00Hrs Inside invert surface



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	<p>Cleaning and washing of sludge from invert surface 19:30 ~ 5:30Hrs Downstream K0+693~K0+705 Left side Cleaning invert for concrete and formwork fixing 7:30~9:00Hrs No work 9:00~17:30Hrs K1+293~1+305 Right Side Invert concrete surface finishing 7:30~17:30Hrs No work 19:30~5:30Hrs K1+353~1+365 Left side Invert concrete surface finishing 7:30~17:30Hrs No work 19:30~5:30Hrs K1+410~1+444 Left Wall Arrangement for grouting 8:00~8:30Hrs Drilling for remaining rock bolts 8:30~16:10Hrs Grouting and installation of rock bolts 9:30~17:10Hrs (35 pcs grouted) No work 19:30~5:30Hrs Outlet &amp; Outside K1+444~1+479 Left Side Fixing of scaffolding and formwork 7:30~17:30Hrs Fixing of scaffolding and formwork 19:30~5:30Hrs Pouring of self-compacted concrete 2nd Lift 22:00~3:30Hrs (QTY 72m3) K1+440~1+444 Left Side Arrangement for 2nd layer shotcrete 19:30~21:30Hrs Spraying 2nd layer shotcrete 21:30~3:30Hrs (48m3) K1+430~ Right Side Cleaning invert rock surface for lean concrete 7:30~17:30Hrs No work 19:30Hrs~5:30Hrs Slope Protection Right wall Removal of loose rock 7:30~17:30Hrs Fixing of scaffolding and formwork for 5th lift 19:30~5:30Hrs</p>	<p>Cleaning and washing of sludge from invert surface 19:30~5:30Hrs Downstream K0+693~K0+705 Left side Cleaning invert for concrete and formwork fixing 7:30~17:00 K1+197~1+209 Right Side Cleaning surface for Invert 1m concrete 7:30~17:30 Cleaning surface for Invert 1m concrete 19:30~5:30 K1+444~1+472 Drilling for anchor bar at invert 8:00~13:30Hrs Arrangement for grouting of anchor bar at invert 13:30~14:30Hrs Grouting of anchor bar at invert 14:30~17:30Hrs (12 Pcs grouted) K1+467~1+471 Drilling for remaining rock bolts 8:00~9:30Hrs Outlet &amp; Outside K1+410~1+444 Left wall Drilling for weep holes 00:30~5:30Hrs K1+444~1+479 Left Side Fixing of scaffolding and formwork for self-compacted concrete 7:30~17:30Hrs Fixing of scaffolding and formwork for self-compacted concrete 19:30~5:30Hrs K1+444~1+472 Right Side Fixing of formwork for invert concrete 19:30~5:30Hrs Slope Protection Right wall Arrangement for concrete 5th lift 7:30~17:30Hrs</p>	<p>K0+595~ Cleaning + Washing sludge and loading 20:30~5:30Hrs K0+693~K0+705 Left side Pouring of invert 1m concrete 12:30~16:20Hr Qty127m3. Surface finishing of invert concrete 19:30~4:30Hrs K1+197~1+209 Right Side Cleaning surface for Invert 1m concrete 7:30~18:00Hr K1+209 Right Side Excavation with excavator 7:30~13:45Hr K1+444~1+472 Right Side Fixing and oiling of formwork + welding works for formwork support 7:30~17:30Hr. K1+467~1+471 Drilling for remaining rock bolts 8:00~17:00Hrs Outlet &amp; Outside K1+410~ Right wall + left wall Drilling for weep holes 7:45~11:00Hr. Drilling for weep holes 20:30~5:00Hrs. K1+444~1+479 Left Side Pouring of self-compacted concrete 9:30~15:20Hr Qty 56m3. Slope Protection Right wall Arrangement for pouring concrete 7:30~17:30</p>	<p>K0+400~0+6 Sprayed remedial shotcrete 10:55~15:00Hrs K0+595~ Cleaning + Washing sludge and loading 7:30~17:30Hrs K0+693~K0+705 Left side Surface finishing of invert concrete 7:30~16:30Hrs K1+197~1+209 Right Side Cleaning surface for Invert 1m concrete 7:30~17:30Hrs Cleaning surface for Invert 1m concrete 19:30~5:30Hrs K1+209~ Right Side Excavation and mucking 7:30~17:00Hrs K0+705~0+717 Left side Cleaning of surface 19:30Hrs~2:00Hrs Pouring of concrete 1:45Hrs~5:10Hrs (Qty 126m3) K0+813~ Cleaning of surface and excavation 19:30Hrs~5:30Hrs K1+305~K1+317 Right side Pouring of concrete 23:25Hrs~1:45Hrs (132m3) Outlet &amp; Outside K1+444~1+479 Left Side Fixing and welding of formwork for self-compacted concrete 7:30~17:30Hrs Pouring of concrete 4:55Hrs~.... K1+456~1+468 Right side Arrangement for pouring concrete 7:30~10:30 Pouring of invert bedding concrete 10:30~16:30Hrs Qty =228m3 K1+444.5~1+456.5 Right side Pouring of invert bedding concrete 16:30~23:20Hrs (Qty 180m3) Slope Protection Right wall No work 7:30~13:00Hrs Pouring of concrete 13:25~15:25Hrs Qty=12m3</p>	<p>Cleaning and Washing sludge and loading 7:30~17:30Hrs K1+197~1+209 Right Side Cleaning surface for Invert 1m concrete 7:30~15:30Hrs Pouring of concrete 16:20~22:45Hrs Quantity= 108m3 K1+209~ Right Side Excavation and mucking 7:30~17:30Hrs Cleaning rock surface for invert concrete 19:30~23:00Hrs K0+705~0+717 Left side Concrete Surface finishing 7:30~17:30Hrs K0+717~0+729 Left side Cleaning for invert concrete 19:30~22:00Hrs Pouring of concrete 22:50~2:00Hrs Quantity= 120m3 K1+317~1+329 Right side Pouring of concrete 3:40~6:15Hrs Quantity= 120m3 K1+305~K1+317 Left side Pouring of concrete 14:00~16:30Hrs Quantity= 156m3 Outlet &amp; Outside K1+444~1+479 Left Side Fixing and welding of formwork for self-compacted concrete 7:30~17:30Hrs Pouring of concrete 7:30~14:45Hrs Quantity= 56m3 Fixing of formwork 19:30~5:30Hrs K1+444~1+468 Right side Fixing of scaffolding for self-compacted concrete 7:30~17:30Hrs Fixing of formwork 19:30~5:30Hrs K1+444.5~1+456.5 Right side Concrete Surface finishing 7:30~10:30Hrs</p>
<b>Right Bank Diversion inlet</b>	<p>K0+086~0+089 Mucking and scaling 8:30~13:15Hrs Mapping 13:25~13:45Hrs Arrangement for 1st layer of shotcrete 14:00~14:30Hrs 1st layer of shotcrete 14:30~16:00Hrs 5m3. K0+089~ Drilling for blast 17:00~18:00Hrs Drilling for blast 19:30~22:10Hrs Charging for blast 22:15~1:50Hrs Blast 2:10Hrs Mucking and scaling 2:40~5:30Hrs</p>	<p>K0+089.5~0+092.5 Mucking and scaling 8:00~11:20Hrs Mapping 11:20~11:50Hrs Arrangement for 1st layer of shotcrete 12:30~13:30Hrs 1st layer of shotcrete 14:00~15:00Hrs (Qty 8m3 ) K0+092.5~ Survey for blast 16:15~16:45Hrs Drilling for blast 17:00~18:00Hrs Drilling for blast 19:30~21:20Hrs Charging for blast 21:30~22:25Hrs Blast 22:30Hrs Mucking and scaling 23:00~5:30Hrs</p>	<p>K0+093.5~0+097.5 Arrangement for shotcrete 7:30~9:30Hrs Spraying 1st layer of shotcrete 9:30~10:40Hrs K0+082~0+097 Demarcation for rock bolts 13:00~14:00Hrs Drilling for rock bolts 14:30~17:00Hrs Arrangements for grouting 17:00~17:40Hrs Grouting and installation of rock bolts 19:30~1:00Hrs (83Pcs grouted and 05pcs collapsed) K0+098~ Survey for blast 2:00Hrs~2:30Hrs Drilling for blast 3:00Hrs~6:00Hrs</p>	<p>Top Slab Part 12 Removing of formwork 7:30~17:30Hrs Transition part Left and Right Side Removing of formwork 19:30~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs No work 19:30~5:30Hrs</p>	
<b>Right bank diversion outlet</b>	<p>K0+490~ Drilling for blast 7:30~9:30Hrs Charging and blast 10:40~13:08Hrs Mucking and scaling 14:00~21:00Hrs Geological mapping (Q value 1.47) 22:00~22:20Hrs Arrangement for 1st layer of shotcrete 22:00~22:30Hrs Spraying 1st layer shotcrete 22:30~23:10Hrs (Qty 8m3) K0+488~ Survey for blast 23:05~23:30Hrs Drilling for blast 23:40~5:30Hrs</p>	<p>K0+488~ Drilling for blast 7:30~8:15Hrs Charging for blast 8:30~10:20Hrs Blast 10:35Hrs Mucking and scaling 11:00~16:30Hrs Mucking and scaling 19:30~21:30Hrs Geological mapping Q value 1.67 22:00~22:30Hrs Arrangement for 1st layer shotcrete 22:30~23:00Hrs Spraying 1st layer shotcrete 23:00~23:40Hrs (Qty 8m3) K0+497~0+486 Drilling for rock bolts 00:20~5:30Hrs</p>	<p>K0+485~ Mucking and scaling 8:00~14:30Hrs Mapping 14:30~15:00Hrs Qv=1.46 K0+481.5~ Survey for blast 15:30~16:00Hrs Drilling for blast 16:30~18:00Hrs Charging for blast 20:45~22:20Hrs Blast 22:30Hrs Mucking and scaling 23:00Hrs~5:00Hrs</p>	<p>Part-1 Curing 7:30~15:30Hrs Removing of formwork and loading to outside 19:30Hrs~5:30Hrs Part-4 No work Removing of formwork and loading to outside 19:30Hrs~5:30Hrs</p>	
<b>Starter Dam</b>	<p>Cut off wall Percussion drilling 7:00~17:30Hrs Percussion drilling 19:30~5:30Hrs Starter Dam Massive rock back filling + roller compaction 7:30~5:30Hrs Drilling for pilling 7:30~17:30Hrs Drilling for pilling 19:30~7:30Hrs Phase II-slot 8-Hole1 Drilling for core sampling 7:30~19:30Hrs Drilling for core sampling 19:30~7:30Hrs Phase I-slot 3-Hole2 Drilling with rotary machine 8:00~17:30Hrs No work 19:30~7:00Hrs</p>	<p>Cut off wall Percussion drilling 7:00~19:00Hrs Starter Dam Massive rock back filling + roller compaction 7:30~17:30Hrs Massive rock back filling + roller compaction 19:30~5:30Hrs Drilling for pilling 7:30~17:30Hrs Drilling for pilling 19:30~5:30Hrs Phase II-slot 8-Hole1 Drilling for core sampling 7:30~15:00Hrs Drilling for core sampling 19:30~5:30Hrs Phase I-slot 3-Hole2 Drilling with rotary machine 10:00~17:30Hrs No work 19:30Hrs~5:30Hrs</p>	<p>Cut off wall Percussion drilling 7:00~17:30Hr Starter Dam Massive rock back filling + roller compaction 7:30~17:30Hrs Drilling for pilling 7:30~17:30Hr No work 19:30Hrs~5:30Hrs EL 775.3~777.5 Arrangement for grouting 23:00Hrs~00:00Hrs Grouting for rock bolt 00:00Hrs~5:30Hrs Phase II-slot 4 Arrangement for concrete 7:30~17:30Hr Pouring of concrete 21:00Hrs~7:00Hrs.....</p>	<p>Cut off wall Percussion drilling 7:00~17:30Hrs Starter Dam Massive rock back filling + roller compaction 7:30~17:00Hrs Drilling for pilling 7:30~17:30 Drilling for pilling 19:30~7:00 EL 775.3~777.5 Arrangement for grouting 7:30Hrs~8:00Hrs Grouting for rock bolt 8:30Hrs~16:30Hrs 21No's Grouted Phase II-slot 4 Pouring of concrete 7:00Hrs~9:30Hrs Quantity 295m3 Phase II-slot 8-Hole1 Drilling for core sampling 7:30~19:00</p>	<p>Cut off wall Percussion drilling 7:00~17:30Hrs Starter Dam Drilling for pilling 7:30~17:30Hrs Drilling for pilling 19:30~6:30Hrs EL. 775.3~777.5 Drilling for remaining rock bolt 21:30~23:00Hrs Grouting for rock bolt 00:30~1:30Hrs (11pcs grouted) Phase II-slot 9-Hole1 Drilling for core sampling 7:30~17:30Hrs Drilling for core sampling 19:30~7:00Hrs III-3 Block # 03 Block Fixing of reinforcement 7:30~17:30Hrs</p>

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**Appendix K [11/34]**

	<p>III-3 Block # 04 Block Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:50~5:30Hrs III-1 Block # 08 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~5:30Hrs III-2 Block # 06 Pouring of concrete 7:00~8:30Hrs Total quantity 364m3 Removing of formwork 20:00~5:30Hrs III-01 Block # 04 Fixing of reinforcement and fixing formwork 7:30~17:30Hrs EL.775.3~775.5 Left side Drilling for rock bolts 7:30~19:00Hrs No work 19:30~5:30Hrs</p>	<p>III-3 Block # 04 Block Fixing of reinforcement 7:30~18:00Hrs Fixing of reinforcement 19:30~5:30Hrs III-1 Block # 08 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement and welding work 19:30~5:30Hrs III-01 Block # 04 Fixing of reinforcement and fixing formwork 7:30~17:30Hrs III-05 Block # 03 and III-06 Block # 06 Fixing of reinforcement and welding work 19:30~5:30Hrs</p>	<p>Phase II-slot 8-Hole1 Drilling for core sampling 7:30~17:30Hr Drilling for core sampling 19:30~7:00Hr Phase I-slot 3-Hole2 Drilling with rotary machine 08:00~17:30Hrs No work 19:30Hrs~5:30Hrs III-3 Block # 04 Block Fixing of reinforcement 7:30~17:30Hr No work 19:30Hrs~5:30Hrs III-1 Block # 08 Fixing of reinforcement 7:30~17:30Hr Fixing of reinforcement 19:30~5:30Hr III-01 Block # 04 Fixing of reinforcement and fixing formwork 7:30~17:30Hr III-05 Block # 03 and III-06 Block # 06 Fixing of reinforcement and welding work 7:30~17:30Hr. Fixing of reinforcement and welding work 19:30~5:30Hr.</p>	<p>Drilling for core sampling 19:30~7:00 Phase I-slot 3-Hole2 Drilling with rotary machine 08:00~17:30Hrs No work 19:30Hrs~5:30Hrs III-2 Block # 04 Block Arrangement for pouring concrete 7:30~17:30Hrs III-1 Block # 08 Fixing of formwork + oiling and welding 7:30~17:30Hrs Fixing of formwork and welding 19:30~5:30Hrs III-02 Block # 07 Fixing of reinforcement and PVC pipe 7:30~17:30Hrs Fixing of reinforcement and PVC pipe 19:30~5:30Hrs III-05 Block # 03 Fixing and welding formwork 7:30~16:00Hrs Fixing of formwork and welding 19:30~5:30Hrs III-03 Block # 06 Installing PVC pipe 7:30~16:00Hrs Fixing of reinforcement and PVC pipe 19:30~5:30Hrs</p>	<p>Fixing of reinforcement 19:30~5:30Hrs III-1 Block # 06 Fixing of formwork, oil given to formwork and welding 7:30~14:30Hrs III-02 Block # 07 Fixing of reinforcement and PVC pipe 7:30~17:30Hrs III-03 Block # 07 Fixing and welding formwork 7:30~17:30Hrs III-05 Block # 05 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~5:30Hrs III-02 Block # 04 Fixing of reinforcement 7:30~17:30Hrs III-01 Block # 04 Pouring of concrete allowed 9:42Hrs No work 19:30Hrs~5:30Hrs</p>
<b>Left Bank Traffic Tunnel (From Inlet)</b>	<p>K1+114~ No work 7:30~9:00Hrs Survey for blast 9:00~9:40Hrs Drilling for blast 10:00~14:45Hrs K0+960~K0+970 Fixing of wire mesh 7:30~15:00Hrs Arrangement for 2nd layer shotcrete 15:00~16:00Hrs Spraying of 2nd layer shotcrete 16:05~17:55Hrs Qty 24m3 K0+970~ Fixing of wire mesh 19:30~5:30Hrs (Qty 14pcs installed)</p>	<p>K0+965~ Fixing of wire mesh 7:30~17:30Hrs K0+980~ Drilling for weep hole 9:00~17:30Hrs K1+014~ Charging for blast 19:30Hrs~21:00Hrs Blast 21:05Hrs Mucking and scaling 21:30~5:30Hrs</p>	<p>K0+092.5~ Mucking and scaling 7:30Hrs~8:30Hrs K0+094.5 Survey for blast 8:45~9:15Hrs Drilling for blast 9:30~16:00Hrs Charging for blast 16:05~17:10Hrs. Blast 17:20Hrs Mucking and scaling 17:30Hrs~5:30Hrs</p>	<p>K1+016~ Mucking 7:30~16:00Hrs Scaling 16:00~17:30Hrs Geological mapping Q value 1.46 19:20Hrs~19:50Hrs K1+019.6 Survey for blast 20:30Hrs~21:30Hrs Drilling for blast 23:00Hrs~3:20Hrs Charging for blast 3:20Hrs~4:20Hrs Blast 4:25Hrs Mucking and scaling 5:00Hrs~6:00Hrs K0+975~ Fixing of wire mesh 19:30Hrs~5:00Hrs</p>	<p>K1+019.6 Mucking and scaling 7:30~17:30Hrs Mapping 19:30~20:00Hrs (Q-value= 1.6) Invert leveling 20:00~21:00Hrs Arrangements for shotcrete 21:00~10:00Hrs Geological mapping (Q-value 1.67) 19:30~20:00Hrs Arrangement for 1st layer shotcrete 20:30~ 22:30Hrs Spraying 1st layer shotcrete 22:30~23:30Hrs (Qty 8m3) K0+965~ Fixing of wire mesh 7:30Hrs~17:00Hrs Spraying 2nd layer shotcrete 23:50Hrs~6:15Hrs (Qty 70m3)</p>
<b>Left Bank Traffic Tunnel (From Outlet)</b>	<p>K1+252~ Mucking and scaling 7:30~11:30Hrs K1+290~1+270 Arrangement for 2nd layer of shotcrete 11:30~12:00Hrs 2nd layer of shotcrete 12:20~12:50 Qty 8m3 Shotcrete delayed due to drilling Arrangement for 2nd layer shotcrete 00:30Hrs~1:00Hrs Spraying 2nd layer shotcrete 1:10Hrs~1:40Hrs (Qty 8m3) K1+248~ Drilling for blast 13:00~17:30Hrs Drilling for blast 20:00Hrs~21:00Hrs No work Due to shortage of Explosive</p>	<p>No work 7:30~15:30Hrs K1+270~1+295 Arrangement for shotcrete 15:30~16:00Hrs 2nd layer shotcrete 16:15~17:10Hrs Qty 8m3 Arrangement for shotcrete 21:30~22:20Hrs Spraying 2nd layer shotcrete 22:30~5:30Hrs</p>	<p>K0+497~0+484 Arrangement for grouting 7:30Hrs~8:30Hrs Grouting and installation of rock bolts 8:30Hrs~15:45Hr 66pcs installed and 05 Pcs collapse. Washing grout machine and shifting 15:50~17:00Hr. K0+485~ Survey for blast 17:00~17:45Hrs Drilling for blast 18:00~22:30Hrs Charging for blast 22:35~00:25Hrs. Blast 00:38Hrs</p>	<p>K1+248~ Mucking and scaling 9:00~17:00Hrs Mapping 17:00~17:30Hrs Qv=0.62 Arrangements for shotcrete 19:30~21:00Hrs Spraying 1st layer shotcrete 22:00Hrs~23:00Hrs (8m3) K1+246~ Survey for blast 4:00Hrs~4:30Hrs Drilling for blast 4:30Hrs~6:30Hrs K1+350~ Spraying 2nd layer shotcrete 23:00Hrs~1:30Hrs (16m3)</p>	<p>K1+246~ Charging for blast 7:00~8:30Hrs Blast 8:35Hrs Ventilation 8:35~9:00Hrs Mucking and scaling 9:00~17:30Hrs Arrangements for 1st layer shotcrete 21:00~22:00Hrs 1st layer shotcrete 22:00Hrs~23:00Hrs (Qty 8m3) K1+340~ Remedial shotcrete 23:00Hrs~3:00Hrs (Qty 16m3) K1+244~ Survey for blast 3:00Hrs~3:30Hrs Drilling for blast 3:30Hrs~5:30Hrs</p>
<b>Right Abutment access road to Cable Crane Platform at D/S (Right bank)</b>	<p>K0+105~0+111 Excavation with excavator 8:00~17:00Hrs</p>	<p>K0+111~ Drilling for blast 8:00~17:00</p>	<p>K0+111~0+117 Charging for blast 8:00Hrs~9:00Hrs Blast 9:30Hrs Excavation 10:00Hrs~17:00Hrs</p>	<p>K0+111~0+117 No work</p>	<p>K0+111~0+117 Drilling for blast 8:00~12:00Hrs Charging 12:10~13:20Hrs Blast 14:00Hrs</p>
<b>Cable crane foundation (Right Bank)</b>	<p>El: 1050~ Drilling for blast 8:30~16:30Hrs</p>	<p>El: 1050~ Drilling for pre-splitting hole blast 8:10~17:30Hrs</p>	<p>El: 1050~ Drilling for blast 8:10~17:30Hrs</p>	<p>El: 1050~ Drilling for blast 8:10~18:30Hrs</p>	<p>No work 7:30~17:30Hrs</p>
<b>Siglo RCC Batching plant No. 2</b>	<p>No work 7:00~7:00Hrs</p>	<p>No work 7:00~7:00Hrs</p>	<p>No work 7:00~7:00Hrs</p>	<p>No work 7:00~7:00Hrs</p>	<p>No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire some staff at this location, for which CGGC does not agree. 2) SMR payment issue</p>
<b>Uchar New Crushing plant #01</b>	<p>Batching plant Construction of cable trench at power station 7:30~Hrs Welding works 7:30~17:30Hrs</p>	<p>Batching plant Construction of cable trench at power station 7:30~Hrs Welding works 7:30~17:30Hrs</p>	<p>No Work</p>	<p>No Work</p>	<p>No Work</p>
<b>Kass Camp Parking platform (Day Work)</b>	<p>No Work</p>	<p>No Work</p>	<p>No Work</p>	<p>No Work</p>	<p>No Work</p>
<b>CR-5-2 / LU-2</b>	<p>Cable Crane Platform EL. 1032 El:1051~1056 Grouting for rock bolts 15:30Hrs~16:00Hrs (3pcs grouted) El:1041~ Drilling for rock bolts 9:00Hrs~16:00Hrs El:1018~ Excavation 8:00~17:30Hrs</p>	<p>Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolts 8:00~16:00Hrs El:1041~ Drilling for blast 8:00~16:20Hrs El:1018~ Excavation 8:00~17:30Hrs</p>	<p>Cable Crane Platform EL. 1032 El:1051~1056 Arrangement for grouting 7:30~10:00Hrs El:1041~ Drilling for blast 8:00Hrs~16:00Hrs El:1018~ Excavation 8:00~17:00Hrs</p>	<p>Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 8:30Hrs~17:30Hrs</p>	<p>Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 8:30Hrs~17:30Hrs Fixing of scaffolding 8:00Hrs~17:00Hrs</p>
<b>Front of Adit -1</b>	<p>Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs</p>	<p>Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs</p>	<p>Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs~</p>	<p>No Work</p>	<p>No Work</p>

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**Appendix K [12/34]**

Date/Day Location	19 Sun.	20 Mon.	21 Tue.	22 Wed.	23 Thu.
<b>Diversion Tunnel A INLET</b>	Top Slab Part 12 Removing of formwork 7:30Hrs~17:30Hrs Removing of formwork 19:30Hrs~5:30Hrs Transition part Removing of scaffolding and formwork 19:30Hrs~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs Part-1 Curing 7:30~15:30Hrs Removing of scaffolding and formwork 19:30Hrs~5:30Hrs Part-4 No work Collecting of formwork ,scaffolding and loading to outside 19:30Hrs~5:30Hrs	Top Slab Part 12 Removing of formwork 7:30~17:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs No work 19:30Hrs~7:00Hrs Gate Slot Right side Pouring of 2nd stage concrete 9:30~7:00Hrs Part-1 Removing formwork and scaffolding 7:30~17:30 Removing of scaffolding and loading to outside 19:30Hrs~5:30Hrs	Top Slab Part 2 Removing of formwork 7:30~17:30Hrs Removing of formwork 19:30~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs Fixing of concrete pipe for 2nd stage and cleaning 19:30~5:30Hrs Gate Slot Right side Pouring of 2nd stage concrete 7:00~9:45Hrs Total Qty = (C-28=90m3 ),(C-35 =96m3) = 186m3 Part-1 Removing formwork and scaffolding 7:30~17:30Hrs Removing formwork and scaffolding 19:30~5:30Hrs	Top Slab Part 2 Removing of formwork 7:30Hrs~17:30Hrs Removing of formwork 19:30Hrs~3:30Hrs Top slab part 3 slop area Removing formwork and shifting by crane 7:30~17:30Hrs Removing formwork and shifting by crane 19:30~3:30Hrs Gate Slot Left side Installation of formwork from top slot side 7:30~17:30Hrs Installation of formwork from top slot side 19:30~3:30Hrs Gate Slot Right side Curing of concrete 7:30~15:00Hrs Part-1 Removing formwork and scaffolding 7:30~17:30Hrs Removing formwork and scaffolding 19:30~3:30Hrs Arrangement for cavity grouting 7:30~17:30Hrs Cavity grouting 1:00Hrs~3:00Hrs	Top Slab Part 2 Removing of formwork 06:30Hrs~14:30Hrs Top slab part 3 slop area Removing formwork and shifting by crane 06:30~12:30Hrs Removing and collecting formwork and scaffolding pipes 20:30Hrs~05:30Hrs Gate Slot Right side Curing of concrete 7:30~12:00Hrs Gate Slot Left side Arrangements for pouring 6:30~11:30Hrs pouring of concrete 13:20Hrs~17:15 continue 15m3 Pouring of concrete 23:05Hrs~05:45Hrs continue 16m3 Part-1 Removing formwork and scaffolding 06:30~14:30Hrs Removing formwork collecting scaffolding pipes and loading 20:00Hrs~05:00Hrs Arrangement for cavity grouting 20:30Hrs~21:00Hrs Cavity grouting at crown portion 21:00Hrs~22:00Hrs total 12 holes grouted 21bags cement used
<b>Diversion Tunnel A UNDER GROUND</b>	Downstream K0+540~ Sprayed remedial shotcrete 9:55- 12:30Hrs K0+465-0+530 Cleaning of surface 19:30Hrs~5:30Hrs K0+729-0+741 Cleaning of surface for invert concrete 19:30Hrs~00:30Hrs K1+197~1+209 Right Side Concrete surface finishing 7:30~10:00Hrs K1+209-K1+221 Right Side Cleaning rock surface for invert concrete 7:30~ 17:30Hrs Cleaning rock surface for invert concrete 19:30~ 2:00Hrs Pouring of concrete 2:20Hrs~6:10Hrs (Qty 112m3) K0+717-0+719 Left side Concrete surface finishing 7:30~10:30Hrs K1+305-K1+317 Left side Concrete surface finishing 7:30~8:00Hrs K1+377~1+389 Left side Cleaning of surface for invert concrete 19:30Hrs~21:30Hrs Pouring of concrete 22:20Hrs~2:00Hrs (Qty 168m3) Surface finishing 2:00Hrs~5:30Hrs K1+380~1+429 Right side Cleaning of sludge 19:30Hrs~22:00Hrs K1+225~1+245 Right side Mucking 3:00Hrs~5:30Hrs Outlet & Outside K1+444~1+479 Left Side Fixing and welding of formwork for self-compacted concrete 7:30~17:30Hrs Pouring of concrete 3:20~7:00Hrs K1+444~1+468 Right side Fixing of scaffolding for self-compacted concrete 7:30~17:30Hrs Fixing of scaffolding and formwork 19:30~5:30Hrs K1+444~1+479 Left Side Pouring of self-compacted concrete 13:00~17:30Hrs 63m3 Pouring of self-compacted concrete 3:20~6:40Hrs 39m3	Downstream K0+580~ Sprayed remedial shotcrete 9:00~15:00Hrs K0+621-0+669 Cleaning and washing of sludge 19:30Hrs~5:30Hrs Inside invert surface Cleaning + Washing sludge and loading 7:30~17:30Hrs K1+197~1+209 Right Side Concrete surface finishing 7:30~10:00Hrs K1+209-K1+221 Right Side pouring of concrete 2:25~11:20Hrs Total Quantity poured =148m3 Finishing of concrete surface 11:20~15:00Hrs K0+717-0+729 Left side Concrete surface finishing 7:30~11:30Hrs K0+729-0+741 Left side Cleaning surface for invert concrete 7:30~11:00Hrs Pouring of concrete 11:30~16:30Hrs Qty=120m3 Finishing of concrete 19:30~00:30Hrs K1+257~K1+221 Excavation and mucking 20:30~23:30Hrs K1+317~K1+329 Right side Arrangement for pouring concrete 7:30~12:00Hrs K1+329~K1+341 Right side Cleaning surface for concrete 7:30~16:00Hrs Cleaning surface for concrete 19:30~22:30Hrs K1+377~K1+389 Left side Finishing of concrete 7:30~16:30Hrs K1+390~K1+435 Left side Cleaning of sludge 19:30~5:30Hrs K1+437~1+444 Right Wall Drilling for rock bolt 22:00~23:00Hrs K1+444~1+479 Left Side 6th Pouring of self-compacted concrete 7:30~12:00Hrs Quantity 63m3 Fixing of formwork and welding work 19:30Hrs~5:30Hrs K1+444~1+478 Right side Fixing of formwork and welding works for self-compacted concrete 7:30~17:30Hrs Fixing of formwork and welding works for self-compacted concrete 19:30~5:30Hrs K1+444~1+479 Right side 1st lift Pouring of self-compacted concrete 11:30~15:30Hrs Qty=78m3	Downstream K0+650-0+680 Spraying remedial shotcrete 10:30~15:10Hrs K0+600-0+750 Cleaning invert and removing sludge 07:30~17:30Hrs Right Side K1+221~1+233 Cleaning of invert 07:30~17:30Hrs Right Side K1+225~1+245 Excavation 22:30~2:30Hrs K1+100~1+200 Cleaning and removing of sludge from invert 07:30~17:30Hrs Right side K1+329~1+341 Pouring of invert 1m concrete 09:20~13:00Hrs Qty=123m3 Surface finishing 13:00~18:00Hrs Right side K1+341~1+353 Cleaning of surface for invert concrete 19:30~5:30Hrs K1+365~1+389 Cleaning of sludge 19:30~5:00Hrs K1+444~1+437 Right side Cleaning of invert 07:30~16:00Hrs Arrangement for concrete 21:30~2:00HRS Pouring of 1m concrete 2:25~4:45Hrs (Qty 108m3) Total quantity poured ( 108m3) K1+425~1+437 Cleaning of invert 07:30~17:30Hrs Right side K1+444~1+474 Fixing of formwork for self-compacted concrete 07:30~15:30Hrs Pouring of concrete 15:30~22:48Hrs (Qty 62m3)	Downstream K0+650-0+680 Spraying remedial shotcrete 10:30~16:30Hrs K0+750-0+800 Cleaning invert and removing sludge 07:30~17:30Hrs Right Side K1+221~1+233 Cleaning of invert 07:30~17:30Hrs Right side K1+329~1+341 Curing of concrete 8:00~10:00Hrs K1+341~1+353 Right side Cleaning for 1m concrete 7:30~10:00Hrs Arrangement for 1m concrete 10:00~13:00Hrs Pouring of concrete 13:00~16:40Hrs Qty=120m3 Surface finishing 16:40~2:30Hrs K1+444~1+437 Right side Finishing concrete surface 7:30~17:30Hrs K1+425~1+437 Cleaning for 1m invert concrete 07:30~14:00Hrs Cleaning for 1m invert concrete 19:30~2:30Hrs K1+413~K1+425 Right Side Cleaning for 1m invert concrete 19:30~22:00Hrs Pouring of invert concrete 23:50Hrs~2:15Hrs (Qty 132m3) k1+221~1+245 Right side Cleaning for lean and loading waste material 7:30~16:30Hrs Cleaning of surface for invert concrete 19:30Hrs~3:30Hrs k1+245~1+257 Right side Cleaning of surface 19:30Hrs~2:00Hrs Pouring of concrete 4:00Hrs~6:00Hrs..... Outlet Left side K1+444~1+479 Excavation and mucking 8:00~17:30Hrs Excavation with jackhammer and mucking 19:30Hrs~3:00Hrs Right side K1+444~1+474 3rd lift Welding works and Arrangements for pouring 7:30~16:00Hrs Pouring of self-compacted concrete 17:30Hrs~00:10Hrs (86m3)	Downstream K0+700-0+750 Spraying remedial shotcrete 06:30~13:30Hrs K0+705-0+735 Cleaning and washing concrete surface 20:00Hrs~5:00Hrs K0+741-0+753 Remedial shotcrete at crown 22:50Hrs~02:30Hrs K0+750-0+800 Cleaning invert and removing sludge 06:30~14:30Hrs Right Side K1+221~1+245 Cleaning of invert for lean concrete 06:30~14:30Hrs K1+221~1+233 Cleaning for invert concrete 20:00Hrs~03:30Hrs K1+233~1+245 Cleaning for invert concrete 20:00Hrs~03:30Hrs Right side K1+245~1+257 Pouring of invert concrete 06:00~08:50Hrs (Qty 98m3) Surface fishing 9:00~14:30Hrs surface finishing 20:00Hrs~23:30Hrs K1+353~K1+365 Right side Pouring of concrete 12:50~17:00Hrs~ 134m3 Finishing of concrete 20:00Hrs~02:30Hrs Right side K1+437~1+425 Cleaning invert for concrete 06:30~14:30Hrs Cleaning invert for concrete 20:00~05:00Hrs K1+425~1+437 Grouting for rock dowels 23:30Hrs~01:30Hrs Right side K1+413~1+425 Finishing concrete surface 06:00~13:00Hrs Outlet Left side K1+444~1+479 Removing of scaffolding 06:30~12:30Hrs K1+444~1+478 Excavation mucking and cleaning 21:00Hrs~03:00Hrs Right side K1+444~1+474 4th lift Welding works and Arrangements for pouring 06:30~08:00Hrs Pouring of self-compacted concrete 08:00~13:00Hrs Qty=47m3 Fixing of formwork and welding 20:00Hrs~22:55Hrs arrangement for pouring of concrete 22:00Hrs~22:55Hrs Pouring of concrete 22:55Hrs~01:10Hrs 5th lift 46m3 and 6th lift 23m3 total 69m3 Outlet outside l/s portal Drilling for rock bolts 21:30Hrs~22:30Hrs 12 holes drilled
<b>Starter Dam</b>	Cut off wall	Cut off wall	Cut off wall	Cut off wall	Cut off wall

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**Appendix K [13/34]**

	<p>Percussion drilling 7:00~17:30Hrs Starter Dam Drilling for pilling 7:30~17:30Hrs Drilling for pilling 19:30~7:00Hrs Phase II-slot 9-Hole1 Drilling for core sampling 7:30~17:30Hrs Drilling for core sampling 19:30~7:00Hrs III-3 Block # 03 Block Fixing of reinforcement 7:30~17:30Hrs III-1 Block # 06 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~5:30Hrs III-01 Block # 01 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~5:30Hrs III-03 Block # 07 Fixing and welding formwork 7:30~17:30Hrs III-05 Block # 03 Fixing of reinforcement 7:30~17:30Hrs III-02 Block # 01 Fixing of reinforcement 7:30~17:30Hrs III-01 Block # 04 Pouring of concrete 10:45~21:45Hrs Qty=348m3</p>	<p>Percussion drilling 7:00~17:30Hrs Starter Dam Drilling for pilling 7:30~17:30Hrs Drilling for pilling 19:30~7:00Hrs Phase II-slot 9-Hole1 Drilling for core sampling 7:30~16:00Hrs Drilling for core sampling 19:30~7:00Hrs Phase II-slot 5 Arrangement for pouring concrete 11:30~15:00Hrs Pouring of concrete 21:15Hrs~7:05Hrs (Qty 355m3) III-3 Block # 01 Block Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~6:00Hrs III-1 Block # 04 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~6:00Hrs III-01 Block # 01 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~6:00Hrs III-02 Block # 01 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~6:00Hrs III-02 Block # 01 Fixing of reinforcement 7:30~17:30Hrs Fixing of reinforcement 19:30~6:00Hrs III-01 Block # 04 Chipping 7:30~16:30Hrs</p>	<p>Percussion drilling 7:00~17:30Hrs Starter Dam Drilling for pilling 7:30~17:30Hrs Drilling for pilling 19:30~7:00Hrs Phase II-slot 9 Drilling for core sampling 07:30~17:00Hrs Drilling for core sampling 19:30~7:00Hrs Phase II-2 Block 4 Pouring of concrete 7:30~17:30Hrs 316m3 Pouring of concrete 20:50Hrs~1:00Hrs (Qty 348.5) Phase III-3 Block 4 Arrangement for pouring of concrete 7:30~17:30Hrs Phase III-3 Block 5 Removing of formwork 20:00Hrs~3:30Hrs Phase II-2 Block 3 Fixing of formwork 7:30~17:30Hrs Phase II-2 Block 5 Fixing of reinforcement 7:30~17:30Hrs</p>	<p>Percussion drilling 7:00~17:30Hrs Starter Dam Drilling for pilling 7:30~17:30Hrs Drilling for pilling 19:30~7:00Hrs Phase II-slot 9 Drilling for core sampling 07:30~17:00Hrs Drilling for core sampling 19:30~7:00Hrs Phase II-2 Block 4 Pouring of concrete 7:30~17:30Hrs 316m3 Pouring of concrete 20:50Hrs~1:00Hrs (Qty 348.5) Phase III-3 Block 4 Arrangement for pouring of concrete 7:30~17:30Hrs Phase III-3 Block 5 Removing of formwork 20:00Hrs~3:30Hrs Phase II-2 Block 3 Fixing of formwork 7:30~17:30Hrs Phase II-2 Block 5 Fixing of reinforcement 7:30~17:30Hrs</p>	<p>Percussion drilling 06:30~17:30Hrs Percussion Drilling 19:30 Hrs~05:30 Hrs Starter Dam Drilling for pilling 06:30~17:30Hrs Phase I-slot 7 Drilling for core sampling 06:30~17:30Hrs Phase III-2 Block 3 Fixing of PVC pipes 06:30~12:30Hrs Fixing form work and welding 06:30~12:30Hrs Phase III-3 Block 4 Pouring of concrete 07:00~15:30Hrs Qty= 322m3 Phase III-5 Block 5 Fixing of formwork 06:30~12:00Hrs Phase I-05 block II05 Fixing of reinforcement and welding 20:00Hrs~05:30Hrs Phase II-01 block 04 Fixing of reinforcement 20:00Hrs~05:30Hrs</p>
<b>Right Bank Diversion inlet</b>	<p>K0+101~ Charging for blasting 10:30~12:00Hrs Blast 12:09 Mucking and scaling 13:15~18:00Hrs Arrangement for 1st layer shotcrete 20:00~21:00Hrs Spraying 1st layer shotcrete 21:00~21:40Hrs (8m3) Mapping Q value 1.87 20:55~21:10Hrs K0+104~ Survey for blast 23:00~23:30Hrs Drilling for blast 00:30~4:00Hrs Charging for blast 4:30~5:30Hrs Blast 5:40Hrs (Explosive 250kg)</p>	<p>K0+104~ Mucking and scaling 8:00Hrs Mapping 15:30~16:00Hrs Qv 1.88 Arrangement for shotcrete 14:00~14:30Hrs Sprayed a layer of shotcrete 16:00~16:40Hrs Arrangements for 2nd layer shotcrete 16:50Hrs~6:40Hrs K0+097~0+104 Marking for drilling rock bolt 19:30Hrs~21:00Hrs Drilling for rock bolt 21:20Hrs~1:15Hrs Grouting for rock bolt 1:30Hrs~3:40Hrs (48pcs grouted) K0+406.5~ Survey for blast 3:50Hrs~4:20Hrs Drilling for blast 4:30Hrs~6:00Hrs</p>	<p>K0+106.5 Drilling for blast 7:30~10:30Hrs Charging for blast 10:35~12:00Hrs Blast carried out 12:20Hrs( 225Kg explosive used) Mucking and scaling 13:00~ 4:30Hrs Geological mapping 17:30~18:00Hrs( Q.v 1.67) K0+109.5 Drilling for blast 19:30~23:00Hrs Charging for blast 23:00~00:05Hrs blast carried out 00:10 (250Kg explosive used) Mucking and scaling 00:20~6:30Hrs</p>	<p>K0+107.5~0+112.5 Arrangement for 1st layer shotcrete 8:00:9:00Hrs Sprayed 1st layer of shotcrete 9:00~9:40Hrs Total quantity 8m3 K0+97~0+106 Sprayed second layer of shotcrete 11:00 14:12hrs(total quantity 16m3 K0+109.5~0+112.5 Geological mapping 8:00~8:45Hrs( Q.V 1.87) K0+112.5~ Survey for blast 14:30~15:10Hrs Drilling for blast 15:30~17:30Hrs Drilling for blast 20:00~22:50Hrs Charging for blast 23:00Hrs~00:00Hrs Blast 00:05Hrs Mucking and scaling 00:45Hrs~3:30Hrs</p>	<p>K0+112.5 Mucking and scaling 07:00~14:30Hrs Mapping 14:30~15:00 Charging for additional blast 21:15Hrs~22:00Hrs Blast 22:10Hrs explosive used 40Kg Mucking and scaling 22:45Hrs~00:00Hrs Survey for blast 00:30Hrs~01:00Hrs K0+115~ Drilling for blast 01:20Hrs~05:45Hrs</p>
<b>Right Bank Diversion Outlet</b>	<p>K0+475~ Drilling for blast 09:00~12:45Hrs Charging for blast 13:00~13:50Hrs Blast 13:55Hrs EXP used 250kg Mucking and scaling 15:50~17:30Hrs Mucking and scaling 20:00~1:00Hrs Mapping Q value 1.0 1:15~1:40Hrs Spraying 1st layer shotcrete 3:00~3:30Hrs (Qty 6m3) K0+472~ Survey for blast 4:00~4:30Hrs Drilling for blast 6:30Hrs~</p>	<p>K0+472~ Drilling for blast 07:00~12:00Hrs Charging for blast 13:10~15:00Hrs Blast 15:08 Mucking and scaling 15:30~17:30Hrs Mucking and scaling 19:30~21:30Hrs Geological mapping Q value 1.1 22:00Hrs~22:30Hrs Arrangement for 1st layer shotcrete 23:00Hrs~00:00Hrs Spraying 1st layer shotcrete 00:40Hrs~1:20Hrs (Qty 8m3) K0+497~0+485 Spraying 2nd layer shotcrete 1:30Hrs~3:00Hrs (Qty 8m3) K0+485~0+469 Drilling for Remaining rock bolt 4:00Hrs~6:00Hrs</p>	<p>K0+485~0+470 Drilling for rock bolt 07:30~13:45Hrs K0+497~0+485 Drilling for remaining rock dowels 13:50~16:30Hrs Arrangements for grouting 13:00~16:00Hrs Grouting and installation of rock bolts 16:00~18:00Hrs 69 pcs Installed 07 holes collapsed Arrangement for grouting 20:00Hrs~21:00Hrs Grouting for rock bolt 21:00Hrs~00:30Hrs (57PCS Grouted and 5pcs remaining grouted) K0+469.5~ Survey for blast 2:00~2:30Hrs</p>	<p>K0+469.5~ Drilling for blast 7:00~11:30Hrs Charging for blast 11:40~12:30Hrs(225Kg explosive used) Blast carried out 12:33Hrs Mucking 12:33Hrs~17:30Hrs Mucking and scaling 20:00Hrs~22:00Hrs Mapping Q value 1.46 22:15Hrs~22:50Hrs Arrangement for 1st layer shotcrete 23:00Hrs~23:30Hrs Spraying 1st layer shotcrete 23:40Hrs~00:15Hrs (Qty 8m3) K0+485~0+469.5 Spraying 2nd layer shotcrete 00:30Hrs~1:05Hrs (Qty 8m3) K0+467~ Survey for blast 1:40Hrs~2:05Hrs</p>	<p>K0+485~0+470 Drilling for rock bolts 06:30~K0+466.5 Drilling for blast 8:00~15:30Hrs Charging and blasting 15:30~17:00Hrs Mucking and scaling 20:30Hrs~01:30Hrs Mapping 02:00Hrs~02:30Hrs Qv=1.3</p>
<b>Left Bank Traffic Tunnel (From Inlet)</b>	<p>K0+965~0+985 2nd layer shotcrete 08:30~09:00Hrs Qty=8m3 K1+022.5~ Survey and demarcation for drilling blast 08:30~09:00Hrs Drilling for blast 10:20~15:00Hrs Charging 15:30~16:50Hrs Blast 16:58Hrs Ventilation 16:58~17:30Hrs Mucking and scaling 20:30~4:30Hrs Geological mapping (Q value 1.33) 4:30~5:00Hrs</p>	<p>K1+022~1+026 1st layer of shotcrete 9:30~10:00Hrs Qty=8m3 K1+013~1+026 Demarcation for drilling rock bolt 10:30~11:00Hrs Drilling for rock bolt 12:30~17:30Hrs Arrangement for grouting 19:30Hrs~21:30Hrs Grouting stop due lack of ventilation Installation of ventilation pipe 22:30Hrs~4:50Hrs</p>	<p>K1+013~1+026 Preparation for installation and grouting 09:30~12:30Hrs Grouting and installation for rock bolts 12:30~16:30Hrs 49 Pcs installed K1003~1+113 Grouting for remaining rock bolts 16:50~17:30Hrs K1+026~ survey for blast 16:50~17:20Hrs Arrangement for drilling blast 19:30~21:00Hrs Drilling for blast 21:00~00:30Hrs Charging for blast 00:30:2:40Hrs Blast carried out 2:50Hrs Ventilation 2:50~3:20Hrs Mucking 3:30~5:30Hrs Mucking stop due to mechanical falt to loader 5:30~7:00Hrs</p>	<p>K1+026 Mucking continue 7:30~15:40Hrs Mapping 15:45~16:10Hrs Survey for blast 16:20~17:00Hrs K0+980~ Fixing wire mesh 10:20~16:00Hrs Fixing wire mesh 20:00~03:00Hrs</p>	<p>K1+028.5 Survey and demarcation 06:30~07:00 Drilling for blast 07:00~14:00Hr. Charging and blast 14:00~15:40Hr. Ventilation 15:40~16:20Hr. Mucking and scaling 20:00 Hrs~05:00 Hrs</p>

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**Appendix K [14/34]**

<b>Left Bank Traffic Tunnel (From Outlet)</b>	K1+243~ Charging for blast 7:00~8:00Hrs Blast 8:30Hrs Ventilation 8:30~9:00Hrs Mucking and scaling 9:00~17:30Hrs Spraying 1st layer shotcrete 1:00~1:30Hrs (8m3) K1+340~ Spraying remedial shotcrete 1:40~3:45Hrs (16m3)	K1+252~1+240 Arrangements for drilling 7:30~8:30Hrs Drilling for rock bolt 8:30~14:30Hrs Arrangements for grouting 20:00~2:00Hrs Grouting for rock bolt 2:00~5:30Hrs 54pcs grouted and 4pcs collapse	K1+341~1+330 Survey for steel arch 09:00~09:30Hrs Fixing of steel arch 09:30~17:30Hrs Fixing of steel arch 19:30~5:30Hrs	1245 K1+330~ Fixing of steel arch 7:30~17:30Hrs Drilling for anchor bars 9:00~16:30Hrs Fixing of steel arches 20:00Hrs~3:00Hrs	1245 K1+330~ Fixing of steel arch 06:30~14:00Hrs fixing of steel arches 20:00Hrs~03:00Hrs
<b>Right Abutment access road to Cable Crane Platform at D/S (Right bank)</b>	K0+117~ Excavation 8:00~11:00Hrs	K0+111~0+117 No work	K0+111~0+117 No work	K0+111~0+117 No work	K0+117~ Excavation with excavator 08:00Hrs~11:30Hrs
<b>Cable crane foundation (Right Bank)</b>	El: 1050~ Charging for blast 8:00~12:30Hrs Blast 1:00Hrs	El: 1051~ Excavation 8:00~17:00Hrs	El: 1051~ Excavation with excavator 8:00~17:30Hrs Drilling for blast 8:00~17:30Hrs	El: 1051~ Excavation 8:00~17:30Hrs Drilling for blast 8:00~17:30Hrs	El: 1051~ Excavation 8:10~11:30Hrs El.1050~ Drilling for blast 08:00Hrs~13:30Hrs
<b>Siglo RCC Crush Plant 2 Siglo RCC Batching plant No. 2</b>	No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire some staff at this location, for which CGGC does not agree. 2) SMR payment issue
<b>Uchar New Crushing plant #01</b>	No Work	No Work	No Work	No Work	No Work
<b>Kass Camp Parking platform (Day Work)</b>	No Work	No Work	No Work	No Work	No Work
<b>CR-5-2 / LU-2</b>	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 8:30~17:30Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 7:50~17:30Hrs K0+410~0+480 Charging for blast 10:15~11:00Hrs Blast 12:00Hrs Excavation and mucking 12:30~17:00Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 8:30~17:00Hrs K0+410~0+480 Mucking and excavation 8:00~17:00Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 7:30Hrs~17:30Hrs Mucking and excavation 8:00Hrs~17:00Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Mucking and excavation 08:00Hrs~16:00Hrs Drilling for rock bolts 07:30Hrs~16:00Hrs Drilling for blast 09:30Hrs~16:00Hrs
<b>Front of Adit -1</b>	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs Dumping and back filling for Cr2 ceremonial platform 20:00~5:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs	No work 08:00Hrs~05:00Hrs

Date/Day Location	24 Fri.	25 Sat.
<b>Diversion Tunnel A INLET</b>	Top Slab Part 2 Removing of formwork 05:30Hrs~14:00Hrs Removing of formwork 19:30Hrs~5:30Hrs Top slab part 3 slop area Removing formwork and shifting by crane 05:30~14:00Hrs Removing formwork and shifting by crane 19:30~5:30Hrs Gate Slot Right side Removing of form work 05:30~14:00Hrs Surface finishing 05:30~15:00Hrs Gate Slot Left side Pouring of concrete 06:00~5:30Hrs..... Part-1 Removing formwork and scaffolding 06:00~14:00Hrs Repairing of crown portion 06:00~12:00Hrs Removing formwork , scaffolding and loading to outside 19:00~5:30Hrs	Top slab part 3 slop area Removing formwork and shifting by crane 05:30~14:30Hrs Removing formwork and scaffolding 19:30~5:00Hrs Gate Slot Right side Removing of form work 05:30~14:30Hrs Gate Slot Left side Pouring of 2nd stage concrete (night to 12:40Hrs) Qty=183m3 C-28=116m3 C-35=67m3 Part-1 Removing formwork and scaffolding 06:00~14:00Hrs Repairing of crown portion 06:00~12:00Hrs Removing scaffolding 19:30~5:00Hrs
<b>Diversion Tunnel A UNDER GROUND</b>	Downstream K0+750~0+780 Spraying remedial shotcrete 05:30~14:30Hrs Spraying remedial shotcrete 22:00~2:30Hrs (Qty 24m3) K0+780~0+800 Cleaning invert and removing sludge 05:30~15:00Hrs K0+700~0+729 Cleaning of surface 19:30Hrs~3:30Hrs Right Side K1+221~1+233 Pouring of concrete 8:30~11:30 Qty=124m3 Surface finishing 19:30Hrs~5:30Hrs Right side K1+233~1+245 Pouring of concrete 11:40~15:30 Qty= 147m3 Surface finishing 19:30Hrs~5:30Hrs Right side K1+437~1+425 Pouring of concrete is allowed 07:42Hrs Pouring of concrete 10:30~13:45 Qty= Qty= 121.5m3 Right side K1+365~1+377 Pouring of concrete is allowed 08:49Hrs cleaning of surface for invert concrete 19:30Hrs~23:30Hrs Pouring of concrete 23:50Hrs~1:38Hrs (Qty 112m3) Surface finishing 1:40Hrs~5:30Hrs K1+430~1+440 Left side	Downstream K0+800~ Spraying remedial shotcrete 6:30~14:00Hrs Spraying remedial shotcrete 21:30~2:00Hrs Right Side K1+260~1+380 Cleaning invert surface 6:00~ Right Side K1+377~1+389 Pouring of invert 1m bedding concrete 23:00~2:21Hrs Qty=120m3 Right side K1+401~1+413 Surface cleaning for invert 9:00~14:30Hrs Pouring of invert concrete 2:30~10:00Hrs Qty=124m3 Right side K1+401~1+389 Pouring of invert concrete 9:00~12:00Hrs Qty=91m3 Surface finishing 12:00~16:30Hrs Surface fishing 19:30~5:00Hrs Outlet Left side K1+444~1+478 Excavation with jack hummer 8:30~14:00Hrs Mucking 9:00~15:30Hrs Drilling for rock dowels 1:00~2:40Hrs Right side K1+444~1+462th lift Removing of scaffolding 06:00~14:30Hrs

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**Appendix K [15/34]**

	Mucking 22:20Hrs~23:20Hrs Outlet Left side K1+444~1+479 Removing of scaffolding 05:30~12:00Hrs Excavation with jackhammer and mucking 19:30Hrs~00:30Hrs K1+479~ Excavation and drilling 12:00~16:30Hrs Charging for blast 1:00Hrs~2:30Hrs Blast 2:45Hrs (Explosive Qty 25kg) Right side K1+444~1+474 6th lift Pouring of self-compacted concrete 06:00~13:00Hrs 58m3 Removing of scaffolding and loading to outside 19:30Hrs~5:30Hrs Slope protection area Left side	Removing of scaffolding 20:30~5:00Hrs Outlet left side slope protection EL.771~778.5 Fixing of wire mesh 7:30~12:30Hrs Spraying of 2nd layer of shotcrete 22:40~23:45Hrs Qty=15m3
<b>Starter Dam</b>	Cut off wall Percussion drilling 05:30~17:00Hrs Starter Dam Drilling for pilling 05:30~17:00Hrs Drilling for pilling 19:30~7:00Hrs Phase I-slot 7 Drilling for core sampling 05:30~16:00Hrs Drilling for core sampling 19:30~7:00Hrs Phase II-1 Block 04 Fixing of reinforcement 06:00~13:00Hrs Phase III-3 Block 06 Fixing form work 05:30~12:30Hrs Phase III-2 Block 05 Fixing of form work 05:30~14:00Hrs Phase II-3 Block 05 Fixing of reinforcement 20:00Hrs~5:00Hrs Phase III-4 Block 6 Preparation for pouring of concrete 05:30~10:35Hrs Pouring of concrete 10:35~19:00Hrs Qty 332.5m3 so far Pouring of concrete 22:00Hrs~22:30Hrs (QTY 340.5m3)	Cut off wall Percussion drilling 05:30~19:00Hr Drilling for core sampling 5:30~17:30Hr. II-3 Block 4 Fixing of formwork and reinforcement 5:30~14:00Hr. II-2 Block 6 Arrangement for pouring of concrete 6:00~10:00Hr. II-2 Block 4 Pouring of concrete 23:15~05:30Hr. Continue... III-3 Block 6 Arrangement for pouring of concrete 5:30~10:15Hr Pouring of concrete 11:50~18:00Hr. III-5 Block 5 Fixing of formwork 5:30~4:00Hr III-4 Block 6 Removing of formwork 10:00~15:00Hr. III-5 Block 7 Fixing of formwork 10:00~15:30Hr.
<b>Right Bank Diversion inlet</b>	K0+115~ Drilling for blast 05:30~07:30 Charging 08:00~11:30Hrs Blast 11:40Hrs Mucking 12:30~16:40Hrs Mucking 20:30~00:00Hrs Mapping Q value 1.88 00:15Hrs~00:40Hrs Arrangement of 1st layer shotcrete 00:40Hrs~1:20Hrs Spraying of 1st layer shotcrete 1:20Hrs~2:00Hrs K0+112.5~ Marking for rock bolt 2:30Hrs~3:00Hrs Drilling for rock bolt 4:00Hrs~5:30Hrs	K0+106-K0+118.5 Drilling for rock bolt 5:30~13:00Hr Arrangement for grouting 13:00~15:30Hr. Grouting for rock bolt 20:45~00:30Hr. 77pcs installed. Arrangement for shotcrete 1:00~1:30Hr. 2nd layer of shotcrete 1:45~2:20Hr. Qty 15.2m3.
<b>Right Bank Diversion Outlet</b>	K0+466.5~463.5 Preparation for 1st layer shotcrete 05:30~07:30 1st layer shotcrete sprayed 08:15~09:15 (Quantity=8m3) No work due to lack of resources 9:15~12:00Hrs K0+462.5 Survey for blast 12:00~21:40Hrs Drilling for blast 13:00~17:00Hrs Drilling for blast 20:00~00:00Hrs	K0+462.5~ No work 05:30~05:30
<b>Left Bank Traffic Tunnel (From Inlet)</b>	K1+028.5 Mucking and scaling 05:30~09:20 Geological mapping 09:20~10:00 1st layer shotcrete 10:00~11:00Hrs Quantity=8m3 K1+031.5 Survey for blast 11:30~12:00Hrs Arrangements for drilling 12:00~12:50Hrs Drilling for blast 13:00~16:30Hrs Charging for blast 16:40Hrs~17:30Hrs (Explosive used 250kg) Blast 18:00Hrs Mucking and scaling 21:00Hrs~5:30Hrs	K1+031.5~ Mucking and scaling 06:00~06:30Hrs Mapping 11:00~11:45Hrs Survey for blast 11:10~11:50Hrs Drilling for blast 12:20~16:00Hrs Charging for blast 16:20~17:40Hrs Blast 18:00Hrs Mucking and scaling 20:00~3:00Hrs  K0+984~ Fixing of wire mesh 9:00~ 15:00Hrs
<b>Left Bank Traffic Tunnel (From Outlet)</b>	1245 K1+330~ Fixing of steel arch and welding works 05:30~16:00Hrs Arrangement for anchor bar drilling 21:00Hrs~21:30Hrs Drilling stop due to drill jumbo breakdown	1245 K1+330~ No work 05:30~11:00 Drilling for anchor bars 11:00~15:30Hrs Fixing of steel arches 20:00~3:00Hrs 3 Pcs installed
<b>Right Abutment access road to Cable Crane Platform at D/S (Right bank)</b>	K0+111~0+117 No work	K0+111~0+117 No work
<b>Cable crane foundation (Right Bank)</b>	El: 1050~1035 Charging for blast 8:00Hrs~12:00Hrs Blast 12:33Hrs	Left side Grouting and installation of rock bolts 9:30~11:30Hrs 27Pcs installed Excavation 11:30~16:00Hrs
<b>Siglo RCC Crush Plant 2</b>	No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant	No work 7:00~7:00Hrs No work 7:00~7:00Hrs
<b>Siglo RCC Batching plant No. 2</b>	2) SMR payment issue No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire some staff at this location, for which CGGC does not agree. 2) SMR payment issue	
<b>Uchar New Crushing plant #01</b>	No Work	No Work
<b>Kass Camp Parking platform (Day Work)</b>	No Work	No Work
<b>CR-5-2 / LU-2</b>	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for blast 7:30Hrs~15:30Hrs Drilling for rock bolt 8:00Hrs~15:50Hrs Excavation 7:30Hrs~16:30Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for blast 8:00Hrs~16:30Hrs Drilling for rock bolt 7:30Hrs~12:00Hrs
<b>Front of Adit -1</b>	No Work	No Work

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**Appendix K [16/34]**

**Daily Work Records of MW-02**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
Tailrace 01 outlet Construction Tunnel CT-2	Day F. Ch:1+561~1+1557.5 (Upstream) 7:20-9:00 ) Mucking and scaling 10:00-11:30) Charging for additional blast (Expo=50 kg) 11:50) Blast carried out 12:00-14:00) Mucking and scaling 15:45 - 16:05) mapping Qv = 1.87  F.Ch: 1+600(Approx.) (Downstream) no activity Night F. Ch:1+561.5 (U/S) No activity F.Ch: 1+600(Approx.) (D/S) No activity	Day F. Ch:1+561~1+1557.5 (Upstream)  F.Ch: 1+600(Approx.) (Downstream) no activity Night F. Ch:1+561.5 (U/S) No activity  F.Ch: 1+600(Approx.) (D/S) No activity	Day F.Ch:1+561~1+1557.5 (Upstream)  F.Ch: 1+600(Approx.) (Downstream) no activity Night F.Ch:1+561.5 (U/S) No activity  F.Ch: 1+600(Approx.) (D/S) No activity	Day F. Ch:1+561~1+1557.5 (Upstream) No Activity  F.Ch: 1+600(Approx.) (Downstream) Survey for blast Drilling for blast Charging for blast (Expo= 225 kg) Blast carried out Mucking and scaling Night F. Ch:1+561.5 (U/S) No activity F.Ch: 1+605.10(D/S) Mapping () 1st layer shotcrete (PS Qty=7.0m³)	Day F. Ch:1+561~1+1557.5 (Upstream)  F.Ch: 1+600(Approx.) (Downstream) No Activity Night F. Ch:1+561.5 (U/S) No activity  Note: No activities due to unavailability of wire mesh.	Day F. Ch:1+561~1+1557.5 (Upstream)  F.Ch: 1+600(Approx.) (Downstream) No Activity Night F. Ch:1+561.5 (U/S) No activity  F.Ch: 1+605.10(D/S) No activity	Day F. Ch:1+561~1+1557.5 (Upstream) Ch.: 1+558.5 8:40-9:45) Grouting of rock dowels F.Ch: 1+600(Approx.) (Downstream) Ch.: 1+601.5 Grouting of rock dowels. (7 pcs grouted, (Note: Complete row at 1+600 is missing (Not drilled)) Night Ch.:0+360.0~(CT-02) Drilling for blast of Sump well Charging for blast Blast carried out Mucking F.Ch:1+561.5 (U/S) No activity F.Ch: 1+605.10(D/S)
Tailrace 02 outlet Construction Tunnel CT-2	Day F. Ch:1+636.50(U/S) No Activity  F.Ch:1+650.50 (D/S) No activity Night F.Ch:1+636.50(U/S) 19:30~) Drilling for blast  F.Ch:1+650.50 (D/S) No activity	Day F.Ch:1+636.50(U/S) 08:30 - ) Mucking and scaling  F.Ch:1+650.50 (D/S) No activity Night F. Ch:1+636.50(U/S) 19:30~) Drilling for blast  F.Ch:1+650.50 (D/S) No activity	Day F. Ch:1+636.50(U/S) NO Activity  F.Ch:1+650.50 (D/S) Drilling for blast Charging for blast (Expo=200 kg) Blast carried out Mucking and scaling Night F.Ch:1+636.50(U/S) No Activity  F.Ch:1+653.50 (D/S) 20:00~00:00) Mucking & scaling Mapping 1st layer shotcrete (PS Qty=4m³)	Day F.Ch:1+636.50(U/S) NO Activity  F.Ch:1+653.5 (D/S) No Activity Night F. Ch:1+636.50(U/S) No Activity  F.Ch:1+653.50 (D/S) No activity	Day F.Ch:1+632.50(U/S) 7:30-8:00) Survey for blast) Drilling for blast Charging for blast (Expo=250 kg) Blast carried out 13:00-18:00) Mucking and scaling F.Ch:1+653.5 (D/S) No Activity Night F.Ch:1+629.00(U/S) 19:20~20:30) Mapping (Qv=0.94) 20:30~21:30) 1st layer shotcrete (PS Qty=7.0m³) F.Ch:1+653.50 (D/S) No activity	Day F. Ch:1+632.50(U/S) No Activity F.Ch:1+653.5 (D/S) Survey for blast Charging for blast (Expo=250 kg) Blast carried out Mucking and scaling Night F.Ch:1+629.00(U/S) No Activity F.Ch:1+656.50 (D/S) Ch.:1+1+653.5~1+656.5 Mucking & scaling Mapping Qv=0.94 1st layer PS shotcrete (Qty=5m³)	Day ADFT - CT01 Junction09:15~) Installation of service water pipes Night ADFT+ CT01 Junction No Activity
ADFT+ CT01	Day Exhaust shafts no activity. Night ADFT+ CT01 Junction Ch.:0+00.0~0+05.00(towards TRT-01) Invert Excavation by Jackhammer and Mucking	Day ADFT - CT01 Junction Installation of service water pipes Night ADFT+ CT01 Junction Ch.:0+00.0~0+05.00(towards TRT-01) Invert Excavation by Jackhammer and Mucking	Day ADFT - CT01 Junction Installation of service water pipes Night ADFT+ CT01 Junction	Day ADFT - CT01 Junction Installation of service water pipes Night ADFT+ CT01 Junction	Day ADFT - CT01 Junction Installation of service water pipes Night ADFT+ CT01 Junction	Day ADFT - CT01 Junction Installation of service water pipes Night ADFT+ CT01 Junction No Activity	Day 0+006.4 - 013.6 - 6th round) Night 0+006.4 - 013.6 - 6th round) No Activity Night No Activity
Tailrace 01 From CT-01	Day (0+006.4 - 013.4 - 5th round) no activity Night Ch.: (0+006.4 - 013.4 - 5th round) No Activity	Day No Activity Night No Activity	Day 0+006.4 - 013.6 - 6th round) no activity Night (0+006.4 - 013.6 - 5th round) No Activity	Day 0+006.4 - 013.6 - 6th round) no activity Night (0+006.4 - 013.6 - 6th round) Drilling for blast is in progress. Drilling continued charging expr 125kg 05:30 -) blast	Day 0+006.4 - 013.6 - 6th round) Night (0+006.4 - 013.6 - 6th round) Drilling for blast is in progress. Drilling continued from 23:00 charging expr 125kg 05:30 -) blast	Day 0+006.4 - 013.6 - 6th round) Night (0+006.4 - 013.6 - 6th round) 20:00~3:00) Drilling for blast is in progress. Drilling continued from 23:00	Day No Activity Night No activity
Tailrace 02 From CT-02	Day No Activity Nigh No Activity	Day No Activity Night No Activity	Day (0+006.4 - 013.4 - 5th round) no activity Night Ch.: (0+006.4 - 013.4 - 5th round) No Activity	Day (0+006.4 - 013.4 - 5th round) no activity Night Ch.: (0+006.4 - 013.4 - 5th round) No Activity	Day (0+006.4 - 013.4 - 5th round) no activity Night Ch.: (0+006.4 - 013.4 - 5th round) No Activity	Day (0+006.4 - 013.4 - 5th round) no activity Night Ch.: (0+006.4 - 013.4 - 5th round) No Activity	Day No Activity Night No Activity

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**Appendix K [17/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
Transformer Cavern TC	Day F. Ch:0+241.0 I-1, 2, 3 Ch.:0+ 060 - 120 09:00~) Drilling for PS tendon for up to 10m. Delays in drilling due to frequent Unavailability of water.  Night F. Ch:0+241.0 I-1, I-2, I-3 Ch.:0+75.5~0+085.50 Drilling for PS tendons Drilling suspended from e to Drilling Jumbo is breakdown  Ch.:0+205.50~0+220.50 20:45- ) Grouting for PS Tendons	Day F. Ch:0+241.0 I-1, 2, 3 Ch.:0+ 060 - 120 Removal of pipe platform Ch:0+210.5 - 170 08:30~ 16:20) Installation of PS tendon (10pcs) Location: P43-3,4 35-8,7,2,3,4 37-2 36-2 38-8 Ch.: 0+240.5 - 210.5 Grouting for PS Tendons (6 pcs) Night F. Ch:0+241.0I-1, I-2, I-3 3Ch...:0+170.5020:30~) Drilling for PS tendons	Day F. Ch:0+241.0I-1, 2, 3 Ch.: 0+ 060 - 120 12008:30 - 16:00) Drilling/cleaning of holes for PS tendon for up to 10m. DRILLING JUMBO BREAKDOWN FROM) Installation of PS tendon ( 10 pcs- Grouping for PS Tendons (01 pcs). GRUOTING MACHINE BREAKDOWN FROM 10:00 - Night F. Ch:0+241.0 I-1, I-2, I-3 Ch...:0+95.50~0+100.50 20:32~) Drilling for PS tendons Ch...:0+140.5~0+160.5 20:30~02:00) Installation of PS tendons (10pcs installed)  Ch.:0+205.50~0+220.50 21:00.-01:00) Grouting of PS Tendons (04PCS)	Day F. Ch:0+241.0 I-1, 2, 3 Ch.: 0+ 060 - 120 Drilling/cleaning of holes for PS tendon for up to 10m.  Installation of PS tendon (3 pcs) Location: TC27-6, TC48-7, TC43-6 Ch.: 0+ 190 - 230 Grouting for PS Tendons (3 pcs) location: P40-3(233.5kg), P39-4(136.6KG), 38-4 (1295.7) Ch.: 0+150 - 230 packer grouting for PS tendons, (7 Pcs) Night F.Ch:0+241.0 I-1, I-2, I-3 Ch.:0+155.50~0+185.50 20:30~23:30) Predrilling & cutting of rebar's in PS tendons holes  Ch...:0+170.50 23:30~) Drilling for PS tendons up to 10m Location:  Ch...:0+125.50~0+190.50 20:30~00:00 ) Installation of PS tendons (06pcs installed) Ch.: 0+165.50~0+195.50 21:00.-) Grouting of PS Tendons (06PCS)	Day F. Ch:0+241.0 I-1, 2, 3 Ch.: 0+ 060 - 120 Drilling/cleaning of holes for PS tendon for up to 10m.  Installation of PS tendon (9 pcs)  Backfill Grouting for failed WPT for PS Tendons. 11:40~16:30 Grouting machine break down Ch:0+40~16:15~) Water pressure test PS tendon 6m Night F.Ch:0+241.0 I-1, I-2, I-3 Ch.:0+00.50~0+30.50 Water pressure test PS tendon 6m (10pcs) (4.50), Ch...:0+115.50~0+165.50 20:30~03:00) Installation of PS tendons (10pcs installed) Ch.:0+ 160.50~21:00.-) Backfill Grouting for PS Tendons. Ch.:0+205.50~0+201:45~) Packer grout for PS tendons Ch.:0+125.50~0+160.50 20:30~) Predrilling & cutting of rebar's in PS tendons holes	Day F. Ch:0+241.0 I-1, 2, 3 Ch.: 0+ 100 - 120 08:30 - ) Drilling for PS tendon for up to 10m. 09:30~ 17:30) Installation of PS tendon (10 pcs) 08:45 - 11:00) Packing of PS Tendons Ch.: 0+ 09:00~ 11:30) Backfill Grouting for failed WPT for PS Tendons. GROUTING STOPPED AT 11:30 DUE TO UNAVAILABILITY OF EXPANSION AGENT (SIKA INTERPLAST Z) 13-4 (119.3KG) CH:0+020 - 050 Water pressure test PS tendon 6m. Nigh tF.Ch:0+241.0 I-1,I-2, I-3 Ch:0+235.5~0+165.5 20:50~) Predrilling for PS tendon up to 10m (7 Holes Ch:170.0~0+115.5 20:00~2:00)Installat ion of PS tendons (10 Pcs Installed) Locations:- (P34-5,P35-5,P35-6,P26-7,P27-7,P25-6,P23-7,8,9,P24-7) Ch:0+235.5~0+230.5) 21:10~4:00) Installation of formwork for head cap of PS tendons Ch:0+120.5~	Day F. Ch:0+241.0 I-1, 2, 3 Ch.: 0+ 080.5~0+060.5 11:00~) Drilling for PS tendon up to 10m.  Ch.: 0+100.5~110.5 Installation of PS tendon (10pcs) CH: 0+060.5~0+235.5 09:00~15:25) Water pressure test PS tendon 6m (14pcs) 6(3.5)  Ch.:0+235.5~0+225.5 08:30~17:00) Installation of bearing plate and formwork of head block for PS tendons (02pcs) Ch.: 0+175 - 185 06:00 - 06:30) Remedial Shotcrete 04m3 Night F.Ch:0+241.0 I-1,I-2, I-3 tF:0+140.5~20:15~ Predrilling for PS tendon up to 10m Ch:100.5~0+110.5 20:00~2:00)Installatio n of PS tendons (10 PCS )  Ch:0+220.5~20:00~) Installation of bearing plate and formwork of head block for PS Tendons Ch:0+115.0~0+120.0 01:40~ Installation of Supporting Bars For PS Tendons.
PH I-1 Center Crown	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No activity	Day No Activity Night No activity	Day No Activity Night No activity	Day No Activity Night No activity	Day F. Ch:0+241.0 I1, I2, I3 10:00 - 13:00) Arrangements for installation of drill machine for rebar cutting at PS tendons location. Night F. Ch:0+241.0 Ch.:0+219.65 00:30~) Drilling for rebar cutting at PS tendons location.
PH II-1	Day No Activity Night F Ch.:0+241 Ch...:0+115.0 23:00~) Removing rust from rusted TRBs.	Day F Ch.:0+241 Ch.: 145 - 160 Nigh F Ch.:0+241 Ch...:0+115.0 23:00~) Removing rust from rusted TRBs.	Day No Activity Nigh No Activity	Day No Activity Nigh No Activity	Day No Activity Nigh No Activity	Day No Activity Nigh No Activity	Day No Activity Nigh No Activity
PH II-2(1) +Ph. II-2(2) (Left and Right)	Day II-2 LEFT  NO ACTIVITY DUE TO LABOUR SHIFT CHANGE Night II-2 Right CH:0+002.3~0+020 20:30-01:00) Packing of TRB's F. Ch:0+241.0~ Approx Ch.:0+45 09:00~12:30)	Day II-2 Right Ch.: 0+035 - 0+015 08:30 - 15:30) Grouting for TRB (15 pcs) Location: -R73-3 (173.1kg), -R74-3 (68.6kg), -R75-3 (114.7kg), -R71-3 (66.9kg), -R87-3 (62.4kg), -R86-3 (66kg), -R85-3	Day II-2 Right Ch.: 0+040 - 060 08:30 - 13:30) Installation of TRBs ( 15 pcs) Ch.: 0+025 - 0+000 08:30 - ) Grouting for TRB (14 pcs) Location: -R91-4 (101.2kg), -R92-5 (65.2KG) -R95-4(74.3KG), -R96-	Day II-2 Right Ch.: 0+ 08:45 - 15:30) Grouting for TRBs (15 pcs) Location: -R82-4(65.3KG), -R86-4(102.2KG), -R88-4(118.2KG), -R90-4(61.8KG), -R89-3(42.8), -R84-4 (101.6 kg), -R96-4 (70.2kg), -R99-2	Day II-2 Right Ch.: 0+000 - 020 08:40~15:50) Grouting for TRBs ( 15 pcs) Location: -R97-2 (79.1kg), -R98-3 (62.1kg), -R99-2 (61.4kg), -R98-2 (48.0kg), -R93-2 (124.1kg), -R95-2 (60.0kg), -R96-3 (74.8kg), -R92-	Day II-2 Right Ch.: 0+000 - 025 08:40~) Grouting for TRBs (00 pcs). Grouting not started due to unavailability of Sika Interplast Z. GROUTING AGAIN STARTED AT 13:00 LOCATION: -R88-2, -R85-2, -R86-2, -R84-2, -R83-5, -R80-2, -R78-2, -	Day II-2 Right NOTE: NO GROUTING FRO TRBs DUE TO UNAVAILABILITY OF EXPANSION AGENT (SIKA INTERPLAST Z)  Ch.: 0+000 - 0+020 08:45 - 16:30) cutting of grouting pipes for



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**Appendix K [18/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday	
Assembling and installation of axial load transducers	(73.2kg), -R84-3 (161.7kg), -R83-3 (83.5kg), -R82-3 (80.8kg), -R81-3 (67.3kg), -R79-3 (62.5kg), -R78-3 (71.9kg), -R77-3 (76.2kg), -R76-3 (159.8kg) Ch.: 0+146.05 08:45 - 10:30 ) Tensioning of TRBs (01 pc) Location: R27-2 Ch.: 0+130 - 150 08:45 - 16:30) assembling of scaffolding pipe platform over steel platform Nigh II-2 LEFT Ch.: 0+060 - 050 08:30 - 17:00) installation of TRB (15 pcs). Installation stopped at 09:30 due to unavailability of TRB. Again started at 13:30. TRBs with broken return pipe or improper thermal shrinkable sleeves were not allowed to be installed Ch.: 0+035 - 020 12:30- 15:45) Grouting machine break down. Grouting started at 12:30 (09 pcs) Locations: -L97-3 (89.7kg), -L98-3 (139.9kg), -L95-3 (87.2kg), -L98-2 (95.8kg), -L94-2 (84.6kg), -L96-2 (93.4kg), -L95-2 (89.3kg), -L99-2 (114.8kg), -L97-2 (80kg) Ch.: 0+150 - 160 14:00 - 16:00) Tensioning of TRB (03pcs) Locations: L32-2, L35-2, L37-2 L31-2 = Rejected due to nut keep on rotating	(73.2kg), -R84-3 (161.7kg), -R83-3 (83.5kg), -R82-3 (80.8kg), -R81-3 (67.3kg), -R79-3 (62.5kg), -R78-3 (71.9kg), -R77-3 (76.2kg), -R76-3 (159.8kg) Ch.: 0+146.05 08:45 - 10:30 ) Tensioning of TRBs (01 pc) Location: R27-2 Ch.: 0+130 - 150 08:45 - 16:30) assembling of scaffolding pipe platform over steel platform Nigh II-2 LEFT Ch.: 0+060 - 050 08:30 - 17:00) installation of TRB (15 pcs). Installation stopped at 09:30 due to unavailability of TRB. Again started at 13:30. TRBs with broken return pipe or improper thermal shrinkable sleeves were not allowed to be installed Ch.: 0+035 - 020 12:30- 15:45) Grouting machine break down. Grouting started at 12:30 (09 pcs) Locations: -L97-3 (89.7kg), -L98-3 (139.9kg), -L95-3 (87.2kg), -L98-2 (95.8kg), -L94-2 (84.6kg), -L96-2 (93.4kg), -L95-2 (89.3kg), -L99-2 (114.8kg), -L97-2 (80kg) Ch.: 0+150 - 160 14:00 - 16:00) Tensioning of TRB (03pcs) Locations: L32-2, L35-2, L37-2 L31-2 = Rejected due to nut keep on rotating	5(102.6KG), -R93-4(109.9KG), -R94-5(80.6KG), -R97-4(70.9KG), -R80-4(84.6KG), -R78-4(65.4KG), -R76-4(73.9KG), -R74-4(73.6KG), -R98-5(71.1KG), -R99-4(73.0KG), -R90-5(95.3KG) Ch.: 0+025 - 010 12:30- 15:45) Grouting for TRBs (15 pcs) Locations: -L76-3 (153.7kg), -L82-3 (89.7kg), -L78-3 (80.6kg), -L80-3 (126kg), -L79-3 (112.4kg), -L81-3 (329.6kg), -L75-3 (104.1KG), -L77-3 (94.2KG), -L76-2 (89.4KG), -L74-2 (78.1KG), -L73-2 (87.1KG), -L71-2 (103.5), -L69-2 (61.0KG), -L70-2 (92.5KG), -L72-2 (105.7KG), Ch.: 0+110 - 140 14:00 - 17:00) Tensioning for TRBs (08 pcs) Locations: L5-2, L9-2, L7-2, L13-2, L11-2, L21-2, L29-2, L19-2, L1-2, L17-2 = REJECTED DUE TO TRB ROTATED DURING TENSIONING Night II-2 Right CH: 0+100.0~0+157.0 20:30~) Manually excavation & cleaning of side drain. F. Ch:0+241.0~ Approx II-2 LEFT Ch.:0+00.0~0+23.0 21:00~) Grouting of TRB's (04PCS) Location: -L87-4(280.8KG), -L86-3(103.10KG), -L85-3(66.90KG), -L89-3(233.50KG) Ch.:0+070.0~0+109.0 01:45~) Installation of TRBs Ch.:0+60.0~0+109.0 20:30~) Drilling for TRBs CH:0+150.0~0+160.0 20:30~01:30) Installation of bearing plates for TRBs	(69.5kg), -R91-3 (69.4kg), -R97-3 (52.3kg), -R98-4 (78.5kg), -R92-4 (27.3kg), -R93-3 (63.4kg), -R94-4 (70.4kg), -R95-3 (104.9kg) Ch.:0+70~0+100; 0+180~0+241.0 08:45~12:00) Excavation of side drain and invert cleaning Ch.:0+130~0+145.0 08:30~13:00) Welding works for assembling of pipe platform II-2 LEFT Ch.: 0+060~ 135 08:30 -16:30) Installation of TRBs (15 pcs) 15:10~) Packing of TRB Ch.: 0+ 030 - 045 12:30 - ) Grouting for TRBs ( pcs) Locations: -L67-2 (66.5kg), -L68-3 (73.9kg), -L66-2 (54.5kg), -L65-2 (70.3kg), -L69-2 (64.5kg), -L62-3 (69.6kg), -L66-3 (61.7kg), -L68-2 (144.7kg- leakage observed from packer), -L63-3 (126.2), -L61-3 (83.7kg), -L62-2 (86.1kg), -L64-3 (79.0KG), -L65-3 (72.2KG), -L62-3 (95.3KG), Ch.: 0+110 - 140 14:00 - ) Tensioning for TRBs ( pcs) Locations: L18-2, L18-3, L22-3, L26-2, L25-3, LL28-3, L29-3, L30-2, L31-2, L31-3 Ch:0+ 110 - 140 08:30~13:00) Installation of bearings plates for TRBs. L21-3 GROUTING REJECTD BECAUSE TRB ROTATED DURING TIGHTENING OF PLATES Night II-2 LEFT Ch.:0+18.40~0+47.15 21:00~) Grouting of TRB's (13PCS) Location: -L58-1(76.10kg), -L57-2(73.0kg), -L82-4(84.20KG), -L84-3(96.50KG), -L58-2(110.30KG), -L60-2(62.60KG), -L61-3(91.70KG), -L59-2(189.20KG), -L80-3(82.80KG), -L59-3(87.50KG), -L59-3(87.50KG), -L86-3(89.10KG), -L90-2(117.0KG),	(69.5kg), -R91-3 (69.4kg), -R97-3 (52.3kg), -R98-4 (78.5kg), -R92-4 (27.3kg), -R93-3 (63.4kg), -R94-4 (70.4kg), -R95-3 (104.9kg) Ch.:0+70~0+100; 0+180~0+241.0 08:45~12:00) Excavation of side drain and invert cleaning Ch.:0+130~0+145.0 08:30~13:00) Welding works for assembling of pipe platform II-2 LEFT Ch.: 0+060~ 135 08:30 -16:30) Installation of TRBs (15 pcs) 15:10~) Packing of TRB Ch.: 0+ 030 - 045 12:30 - ) Grouting for TRBs ( pcs) Locations: -L67-2 (66.5kg), -L68-3 (73.9kg), -L66-2 (54.5kg), -L65-2 (70.3kg), -L69-2 (64.5kg), -L62-3 (69.6kg), -L66-3 (61.7kg), -L68-2 (144.7kg- leakage observed from packer), -L63-3 (126.2), -L61-3 (83.7kg), -L62-2 (86.1kg), -L64-3 (79.0KG), -L65-3 (72.2KG), -L62-3 (95.3KG), Ch.: 0+110 - 140 14:00 - ) Tensioning for TRBs ( pcs) Locations: L18-2, L18-3, L22-3, L26-2, L25-3, LL28-3, L29-3, L30-2, L31-2, L31-3 Ch:0+ 110 - 140 08:30~13:00) Installation of bearings plates for TRBs. L21-3 GROUTING REJECTD BECAUSE TRB ROTATED DURING TIGHTENING OF PLATES Night II-2 LEFT Ch.:0+18.40~0+47.15 21:00~) Grouting of TRB's (13PCS) Location: -L58-1(76.10kg), -L57-2(73.0kg), -L82-4(84.20KG), -L84-3(96.50KG), -L58-2(110.30KG), -L60-2(62.60KG), -L61-3(91.70KG), -L59-2(189.20KG), -L80-3(82.80KG), -L59-3(87.50KG), -L59-3(87.50KG), -L86-3(89.10KG), -L90-2(117.0KG),	3(80.5KG), -R91-2(70.3KG), -R90-3(73.4), -R90-2(53.7), -R89-2(59.7KG), -R88-3(79.1KG), -R88-2(62.5KG), -R92-2(83.7KG) Ch.:0+130~0+145.0 08:30~13:00) assembling of scaffolding pipe platform 14:00~) Installation of bearings plates for TRBs. II-2 LEFT Ch.: 0+ 060 - 75 09:30-14:40 ) Grouting for TRBs ( 16 pcs) Locations: -L42-3 (107.5kg), -L40-4 (109.6kg), -L42-4 (85.3kg), -L43-4 (81.2kg), -L41-4 (170.2kg), -L39-4(58.7KG), -L40-3(88.3KG), -L38-3(192.3KG), -L37-4(91.8KG), -L36-3(66.5KG), -L36-4(95.9KG)-L34-3(80.0KG), -L34-4(74.5KG), -L32-4(44.0KG) Ch:0+ 110 - 140 08:30~17:00) Installation of bearings plates for TRBs. Night II-2 Right Ch.:0+55.2~0+48.30 21:00~01:30) Grouting of TRB's (09PCS) Location: -R56-2(55.30Kg), -R55-2(88.30Kg), -R58-2(160.80Kg), -R56-3(98.30Kg), -R54-3(122.50Kg), -R54-3(122.50Kg), -R57-2(143.0Kg), -R58-3(55.40Kg), -R52-2(93.90KG) Note: Grouting machine breakdown after 1:30am	R82-2 (REJECTED) NOTE: CONTRACTOR STARTED THE GROUTING FOR TRBS WITH EXPIRED SIKA INTERPLAZT Z (EXPANSION AGENT). GROUTING OF THESE TRBS WERE REJECTED Ch.: 180 - 241 08:30 -) manual cleaning of side drain II-2 LEFT Ch.: 0+ 060 - 75 09:30-14:40) Grouting for TRBs (00 pcs). Grouting not started due to unavailability of Sika Interplant Z. GROUTING AGAIN STARTED AT 13:00 LOCATION: -L24-4, -L27-4, -L30-4 (REJECTED) NOTE: CONTRACTOR STARTED THE GROUTING FOR TRBS WITH EXPIRED SIKA INTERPLAZT Z (EXPANSION AGENT). GROUTING OF THESE TRBS WERE REJECTED Ch:0+ 150 - 165 08:30~13:30) Installation of bearings plates for TRBs.14:30 - 15:00) Tensioning stopped by foreman at 15:00 Location: L39-4, L41-4 Night II-2 Right Ch.: 0+92.0~0+116.0 22:00~3:30 ) Tensioning of Tension Rock bolts (18 Bolts Tested) Locations:-R20-4,-R17-4,-R15-4,-R16-5,-R12-5,-R10-5,-R16-5,-R17-4,-R15-4,-R12-5,-R10-4,-R16-4,-R9-3,-R8-4,R1-4,R2-4) -R19-4 (Nut Rotating During Tensioning ) -R18-18-4(Nut Rotating During Tensioning) II-2 LEFT Ch:0+172.0~0+185.0 02:20~5:00) Installation of bearing plates for Tension rock bolts. Ch.:0+86.0~0+70.0 20:00~5:00) Cutting of Extra pipes of Tension rock bolts. Ch:0+234.0~3:00~) Preparation of Drilling for Rebar Cutting in PS Tendons Holes	TRBs for plates installation. II-2 LEFT NOTE: NO GROUTING FRO TRBs DUE TO UNAVAILABILITY OF EXPANSION AGENT (SIKA INTERPLAST Z) Ch:0+ 110 - 140 08:30~10:00) Installation of bearings plates for TRBs. 10:00 - 16:15) tensioning of TRBs. Location: L17-3, L07-4, L05-4 L4-3 (REJECTED DUE TO TRB ROTATES DURING TENSIONING) Night II-2 RIGHT NOTE: No Grouting for TRBs due to unavailability of SIKa Interplant Z (Expansion Agent) II-2 LEFT NOTE: No Grouting for TRBs due to unavailability of SIKa Interplant-Z (Expansion Agent) Ch:0+1.15~0+35.0 01:40~) Drilling for Tension Rock bolts Ch:0+ 149.50~20:30) Installation of bearing plates for Tension rock bolts. Ch.:0+159.85~21:30~) tensioning of TRBs. (11pcs) Location: L39-3, L38-3, L37~4, L35-3, L36-2, L34-2, L42-2, L36-3, L35-4 L38-2, L37-3 Ch:0+234.0~0+240.0 22:00~02:00) Shifting of scaffolding from right to left

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**Appendix K [19/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
PH I-2 Left Crown	Day F. Ch.:0+241.0~ Approx Ch.:0+45 09:00~12:30) Assembling and installation of axial load transducers Night F. Ch.:0+241.0~ Approx Ch.:0+45.0 20:50-22:00) Grouting of Extensometer and axial load transducer.	Day F. Ch.:0+241.0~ Approx Ch.: 0+045 09:00 - 13:30 Shifting of drill machine from 0+045 to Ch.: 0+110 for extensometer and axial load transducer drilling Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity		Day No Activity Night No Activity
PH I-3 Right Crown	Day F. Ch.:0+241.0~ Approx Ch.:0+45.0  Night F. Ch.:0+241.0(D/S) Ch.:0+45.0	Day F. Ch.:0+241.0~ Approx Ch.: 110 13:30 - 15:30) assembling of scaffolding pipe platform for drilling Night F. Ch.:0+241.0(D/S) Ch.:0+45.0	Day F. Ch.:0+241.0~ Approx Ch.: 110 13:30 - 15:30) assembling of scaffolding pipe platform for drilling Night No Activity	Day F. Ch.:0+241.0~ Approx Ch.: 110 08:30~) Drilling of extensometer Night No activity	Day F. Ch.:0+241.0~ Approx Ch.: 110 08:30~) Drilling of extensometer  Night F. Ch.:0+241.0(D/S) Ch.:0+110.0 20:30~) Drilling of extensometer	Day F. Ch.:0+241.0~ Approx Ch.: 110 08:30~) Drilling of extensometer Note: VENTILATION PROBLEM DUE TO DRY DRILLING Night F. Ch.:0+241.0(D/S) Ch.:0+110.0 20:30~) Drilling of	Day F. Ch.:0+241.0~ Approx Ch.: 110 09:30 - 14:00) Assembling and Installation of extensometer Night F. Ch.:0+241.0(D/S) Ch.:0+110.0 No Activity
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 2	Day PAT- 02 Design Excavation Completed  Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity  PAT 2 Plug Area No Activity Note: -Creaks Appeared on the Plug Area Bench Concrete.  Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity	Day PAT- 02 Design Excavation Completed  Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity  PAT 2 Plug Area No Activity Note: -Creaks Appeared on the Plug Area Bench Concrete.  Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity	Day PAT- 02 Design Excavation Completed  Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity  PAT 2 Plug Area No Activity Note: -Creaks Appeared on the Plug Area Bench Concrete.  Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity	Day PAT- 02 Design Excavation Completed  Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity  PAT 2 Plug Area No Activity Note: -Creaks Appeared on the Plug Area Bench Concrete.  Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity	Day PAT- 02 Design Excavation Completed  Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity  PAT 2 Plug Area No Activity Note: -Creaks Appeared on the Plug Area Bench Concrete.  Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity	Day PAT- 02 Design Excavation Completed  Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity  PAT 2 Plug Area No Activity Note: -Creaks Appeared on the Plug Area Bench Concrete.  Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity	Day PAT 2 Plug Area CONTRACTOR HAS PLACED EXCAVATED MATERIAL ATBEFORE PLUG CONCRETE OF PAT 02  Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area  20:00~23:00 Leveling of dumped Material.
Penstock Admit Tunnel towards Lower pressure Tunnel No 1-manifold area	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity
STB from Powerhous e Connection Tunnel	Day F. Ch.:0+129.0(Approx.) No activity  Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch.:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Appro x.) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F.Ch.:0+128.5~ No Activity Note: STB Access barricaded by OHS	Day F. Ch.:0+129.0(Appro x.) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch.:0+128.5~ No Activity Note: STB Access barricaded by	Day F. Ch.:0+129.0(Appro x.) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch.:0+128.5~ No Activity Note: STB Access barricaded by OHS	Day F. Ch.:0+129.0(Appro x.) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch.:0+128.5~ No Activity Note: STB Access barricaded by	Day F. Ch.:0+129.0(Approx ) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch.:0+128.5~ No Activity Note: STB Access barricaded by OHS	Day F. Ch.:0+129.0(Approx ) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch.:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.

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**Appendix K [20/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday	
		due to ventilation problem.	OHS due to ventilation problem.	due to ventilation problem.	ventilation problem.	due to ventilation problem.		
Surge Chamber Valt Access Tunnel (VAT)+ Vault Gallery	Day Ch.: 0+380~0+400 (Junction Area) 14:20 - 13:30) installation of electrical operation unit for SCVAT- MAT Exhaust fan >No QA/QC person present at site. Night Ch.: 0+00~0+150 20:30~) Installation of supporting bars for ventilation duct Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.: 0+380~0+400 (Junction Area) Night Ch.: 0+490~0+440 20:30- ) Drilling for Invert Blast 02:15- ) Removing of supply pipe Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.: 0+380~0+400 (Junction Area) Night Ch.: 0+490~0+440 Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.: 0+380~0+400 (Junction Area) Night Ch.: 0+490~0+440 Towards Right side Chamber #02 Towards left side Chamber #01 No Activity	Day Ch.: 0+380~0+400 (Junction Area) Night Ch.: 0+490~0+440 Towards Right side Chamber #02 Towards left side Chamber #01 No Activity	Day Ch.: 0+380~0+400 (Junction Area) Night Ch.: 0+350.0~0+325.0 20:30~) Invert Excavation with jack hammer Note: - Ventilation Issue in VAT Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.: 0+420~0+460 (Junction Area) 08:10~15:00) Invert mucking & levelling. Night Ch.: 0+350.0~0+325.0 No Activity Note: - Ventilation Issue in VAT Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	
INTAKE AREA	Day El: ▼0+982.0 Ch.: 0+130.0~0+160.0 8:00-11:00) Excavation.	Day El: ▼0+982.0 Ch.: 0+130.0~0+160.0 no work due to rain	Day El: ▼0+982.0 No Activity	Day El: ▼0+982.0 8:00- ) Excavation and mucking	Day El: ▼0+982.0 8:00- ) Excavation and mucking	No Activity	Day No Activity	
Day work	No Activity	Day No Activity	Day No Activity	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material	No activity	Day No Activity	
Switchyard Compounds	Day El: 930 (1st layer center to right portion) 8:00-10:20) Excavation of 1st layer.	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material	Day El: 957~952 (4th layer center portion to right) 8:20-11:30) Compaction and leveling. El: 957~952 (4th layer center portion to left) 7:50-12:00) Drilling for blast El: 930~935 (2nd layer center to right) 9:30-) Excavation	Day El: 957~952 (4th layer center portion to left) 10:40-) shotcrete 1st layers El: 925~930 (2nd layer center to right) 9:30-) Excavation.	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material Night El: 957~952 (4th layer center portion) 10:40-) shotcrete 1st layer (10 m³) El: 957~952 (4th layer left portion) 9:35- 12:00) Drilling for drain holes (6m) El: 953~950 (4th layer left portion) 8:00-9:30)	El: 957~952 (4th layer center portion) 9:05-) shotcrete 1st layer (15 m³) El: 958~953 (4th layer left portion) 8:00-) Drilling for blast El: 953~950 (4th layer left portion) 8:00-10:20) Excavation of 4th layer El: 925~930 (1st layer center to right) 12:30- ) Excavation of 1st layer	
LU-1	No Activity	No Activity	Day No Activity	No Activity	Day No Activity	Day No Activity	Day Ch.: 0+060~0+200 14:00-) Grouting of missing rock dowels (9 pcs grouted)	
Date/ Day Location	8 Wednesday	9 Thursday	10 Friday	11 Saturday	12 Sunday	13 Monday	14 Tuesday	
Tailrace Tunnels 1 and 2 CT2	Day F. Ch.:1+1557.5 (Upstream) Ch.: 1+560.5 8:50-10:00) Grouting of rock dowels (5 pcs grouted, 6 remaining) F.Ch: 1+605(Approx.) (Downstream) 11:30 - 12:00) Survey for blast 13:00 - ) Drilling for blast Ch.:0+360.0~ (CT-02 Admit) 9:00- ) Excavation for dewatering tank. Night F. Ch.:1+561.5 (U/S) No Activity Due to Shortage of Explosive F.Ch: 1+605.10(D/S) No Activity Note: No activities due to unavailability of wire mesh.	Day F. Ch.:1+1557.5 (Upstream) No Activity F.Ch: 1+605(Approx.) (Downstream) Drilling completed on 08-03-023, Blast not carried out due to shortage of explosive. Ch.: 1+599~1+604 14:00- ) Fixing of wire mesh is in progress. (4 pcs installed) Night F. Ch.:1+561.5 (U/S) Ch:1+561.0~1+557.0 19:10_23:40) Installation of First layer wire mesh (Qty=120.75M2) F.Ch:	Day No Activity Night F. Ch:1+561.5 (U/S) Ch:1+561.0~1+557.0 No Activity Due to Shortage of Explosive & Shotcrete F.Ch: 1+605.10(D/S) No Activity Due to Shortage of Explosive & Shotcrete	Day F.Ch:1+1557.5 (Upstream) No Activity Due to Shortage of Explosive & Shotcrete F.Ch: 1+605(Approx.) (Downstream) No Activity Due to Shortage of Explosive & Shotcrete Night F. Ch:1+561.5 (U/S) Ch:1+561.0~1+557.0 00:30_1:40 2nd layer PS shotcrete Qty=10m³ F.Ch: 1+605.10(D/S) Ch:1+601.0~1+605.0 23:30~00:20 2nd	Day F. Ch.:1+1557.5 (Upstream) No Activity Due to Shortage of Explosive F.Ch: 1+605(Approx.) (Downstream) No Activity Due to Shortage of Explosive Night F. Ch:1+561.5 (U/S) No Activity Due to Shortage of Explosive F.Ch: 1+605.10(D/S) No Activity Due to Shortage of Explosive	Day F. Ch.:1+1557.5 (Upstream) No Activity Due to Shortage of Explosive No further Activity Due to Shortage of Explosive F.Ch: 1+605(Approx.) (Downstream) No Activity Due to Shortage of Explosive Night F. Ch.:1+605.10(D/S) No Activity Due to Shortage of Explosive F.Ch: 1+605.10(D/S) No Activity Due to Shortage of Explosive	Day F. Ch.:1+1557.5 (Upstream) 08:000~14:00) Drilling for blast No further Activity Due to Shortage of Explosive F.Ch: 1+605(Approx.) (Downstream) No Activity Due to Shortage of Explosive Night F. Ch.:1+561.5 (U/S) No Activity Due to Shortage of Explosive F.Ch: 1+605.10(D/S) No Activity Due to Shortage of Explosive	Day F. Ch.:1+1557.5 (Upstream) No Activity Due to Shortage of Explosive F.Ch: 1+605(Approx.) (Downstream) No Activity Due to Shortage of Explosive Night F. Ch.:1+561.5 (U/S) No Activity Due to Shortage of Explosive F.Ch: 1+605.10(D/S) No Activity Due to Shortage of Explosive

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**Appendix K [21/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
		1+605.10(D/S) No Activity Due to Shortage of Explosive		layer PS shotcrete Qty=8m³			
Tailrace Tunnels 2 and 2 CT2	Day F. Ch:1+629.00(U/S) Ch.: 1+638~1+634 7:00-8:40) Grouting for rock dowels (23 pcs grouted, 6 pcs remaining)  F.Ch:1+653.5 (D/S) Ch...:1+650.0~1+653.0 Nigh F. Ch:1+629.00(U/S) No Activity Due to Shortage of Explosive  F.Ch:1+656.50 (D/S) No Activity	Day F. Ch:1+629.00(U/S) No Activity  F.Ch:1+653.5 (D/S) Nigh F. Ch:1+629.00(U/S) No Activity Due to Shortage of Explosive  F.Ch:1+656.50 (D/S) Ch:1+650.5~1+656.5 00:30_) Installation of First layer wire mesh (52.5m2) & in progress	Day F. Ch:1+629.00(U/S) 8:00-11:00) Fixing of wire mesh (11.5 pcs) (Contractor is installing of wire mesh while 1st layer shotcrete are not properly sprayed, Rock exposed on many spots)  F.Ch:1+653.5 (D/S) Ch.: 1+644~1+649 Nigh F. Ch:1+629.00(U/S) No Activity Due to Shortage of Explosive & Shotcrete  F.Ch:1+656.50 (D/S) Ch:1+650.5~1+656.5	Day F. Ch:1+629.00(U/S) No Activity Due to Shortage of Explosive & Shotcrete  F.Ch:1+653.5 (D/S) Ch.: 1+644~1+649 No Activity Due to Shortage of Explosive & Shotcrete  F. Ch:1+629.00(U/S) Ch:0+1+637.5~1+633.0 22:40~23:20 2nd layer PS shotcrete Qty=7m³  F.Ch:1+656.50 (D/S) Ch:1+650.0~1+656.0 20:30~22:30 2nd layer PS Shotcrete (Qty=19.6m³)	Day F.Ch:1+629.00(U/S) Ch.: 0+1+637.5~1+633.0 08:00~11:00) Fixing of 2nd layer wire mesh 16:30~17:15) 3rd layer shotcrete Qty=8cum Ch.:0+1+648.0~0+1+639.0 (Admit 0+451.5~0+455.0) 17:15~17:40) remedial shotcrete Qty= 4cum Admit Ch:0+390.5~0+448.6 17:40~18:40) remedial shotcrete Qty= 4cum F.Ch:1+653.5 (D/S) Ch.: 1+644~1+649 No Activity Due to Shortage of Explosive Night F. Ch:1+629.00(U/S) No Activity Due to Shortage of Explosive F.Ch:1+656.50 (D/S) No Activity Due to Shortage of Explosive	Day F. Ch:1+629.00(U/S) Ch:0+1+637.5~1+633.0 No Activity Due to Shortage of Explosive  F.Ch:1+653.5 (D/S) Ch.: 1+644~1+649 No Activity Due to Shortage of Explosive Night F. Ch:1+629.00(U/S) No Activity Due to Shortage of Explosive  F.Ch:1+656.50 (D/S) No Activity Due to Shortage of Explosive	Day F. Ch:1+629.00(U/S) Ch:0+1+637.5~1+633.0 No Activity Due to Shortage of Explosive  F.Ch:1+656.5 (D/S) Ch.:1+656.5 08:00~12:00) Drilling for blast  No Further Activity Due to Shortage of Explosive Night F. Ch:1+629.00(U/S) No Activity Due to Shortage of Explosive  F.Ch:1+656.50 (D/S) No Activity Due to Shortage of Explosive
Tailrace 01 From CT-01	Day NO Activity Nigh No Activity	Day NO Activity Nigh No Activity	Day NO Activity Nigh No Activity	Day	Day 0+006.4 - 013.6 - 6th round) 12:30~) Installation of wire mesh 03pcs Night (0+006.4 - 013.0 20:40~01:00) Installation & Rectification of wire mesh Note: Inspection is carried out and not allowed for shotcrete until rectification is done.	Day 0+006.4 - 013.6 - 6th round) 10:00~14:00) Rectification of wire mesh 14:45~15:00) Inspection carried out & allowed for shotcrete 16:45~) 2nd Layer shotcrete is in progress (Qty=07cum) Nigh (0+006.4 - 013.0 No Activity	Day
Tailrace 02 From CT-01	Day 0+006.4 - 013.6 - 6th round) Night (0+006.4 - 013.6 - 6th round) No Activity	Day NO Activity Nigh No Activity	Day NO Activity Nigh No Activity	Day No Activity Night Ch.: (0+006.4 - 013.4 - 5th round) Ch:0+54.0~0+60.0 (Junction of TRT02) 20:40~00:30 Installation of wire mesh	Day No Activity Night Ch.: (0+006.4 - 013.4 - 5th round) 01:00~) Rectification of wire mesh	Day (0+006.4 - 013.4 - 5th round) 14:00~) Rectification of wire mesh Nigh Ch.: (0+00 - 013.4 - 5th round) 22:00~22:50 2nd layer PS shotcrete (Qty=8m³)	
TC transformer Cavern	Day F. Ch:0+241.0 I-1, 2, 3 Ch.: 0+ 110~0+130 11:00~15:00) Drilling for PS tendon up to 10m. Machine Break down at 15:00 Locations: 26-2, 24-2, 4 25-4 Ch.: 0+150~0+241 09:30~) Installation of PS tendon (10 pcs)	Day F.Ch:0+241.0 I-1,2,3 Ch:0+080 - 100 09:30~) Installation of PS tendon (11 pcs) Location: 18-3,4 17-3,4 20-7,8,9 19-3,7,8,9 Ch.:0+241 - 180 08:30~13:00) Installation of	Day F.Ch:0+241.0 I-1,2,3 Ch:0+075.5~0+120.5 09:30~15:30) Installation of PS tendon (11 pcs) Location: 20-6,19-6, 18-6,7,8, 17-6,7,8, 16-7, 25-4, 24-2, CH:0+075.5~0+1	Day F. Ch:0+241.0 I-1,2,3 Ch:0+135.5~0+70.5 08:30~15:30) Installation of PS tendon (10 pcs) Location: 34-4, 24-4, 28-5, 20-4,5, 19-4,5, 16-3,4, 15-4	Day F.Ch:0+241.0 I-1,2,3 Ch:0+30.5~0+065.5 08:30~) Installation of PS tendon (11 pcs) Location: P14-3,4, P13-4, P10-8,9, P11-8, P9-8,9, P8-8,9, P7-9	Day F.Ch:0+241.0 I-1,2,3 Ch:0+0.5~0+100.5 08:30~15:45) Installation of PS tendon (11 pcs) Location: P21-5, P16-5, P15-3, P14-2, P7-3, P7-4, P3-8,9, P2-7 ,P1-8, P1-9	Day F.Ch:0+241.0 I-1, 2, 3 Ch.:0+140.5~0+110.5 08:00~) Grouting for PS tendon (11 Pcs) Location: P26-2 (161.6kg),P27-2 (216.7kg),P37-7 (174.1kg),P37-6 (446.9kg), P34-3 (131.5Kg), P25-2(193.0Kg), P24-2

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**Appendix K [22/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
	<p>Location: 48-6, 37-5, 42-5, 6, 30-3, 4, 5 29-3, 5 33-2 Ch.:0+235.5~0+225.5 08:30~17:00) Installation of bearing plate and formwork of head block for PS tendons (3 pcs) Ch.: 0+20 - 40 14:00 - 16:00) Water Pressure Test (07 pcs) Location: 5-4 (3.0), 13-2 (3.3), 7-5(1.1), 8-5 (2.1), 10-5 (2.9), 12-6 (1.4), 13-4 (2.6) Night F. Ch:0+241.0 I-1, I-2, I-3 Ch.: 0+230.5~0+220.5 20:00~) Installation of bearing plate and formwork of head block for PS Tendons. Locations: - (P47-7, 8,P46-7,8,P45-7,8) Ch:0+060.5~0+095.5 23:20~2:00 Installation of PS Tendons (10 Tendons Installed) Locations:-(P17-2,9, P18-2,9, P19-2, P20-2) Note:-(( P13-2, P15-2,9, P16-2 Tendons Installed Without Approved AFI)</p>	<p>bearing plate and formwork of head block for PS tendons (05 pcs) Note: CONTRACTOR HAS BEEN NOTIFID ABOUT THE INSTALLATION OF HEAD BLOCK FORMWORK OF PS TENDONS WITHOUT APPROVED AFI Night F. Ch:0+241.0 I-1, I-2, I-3 Ch.: 0+200.5~0+190.5 21:00_) Installation of bearing plate and formwork of head block for PS Tendons. Locations:-(P41-2,P40-2,P39-2) Ch:0+040.5 20:15 2:00) Installation of PS Tendons (10 Tendons Installed) Locations:-(P29-4, P26-2-4-5 P31-5, P37-5, P27-4-5, P25-5, P24-4) CH:0+090.50~0+95.5 20:30- 22:00 &amp; 2:50~) Predrilling of PS Tendons Locations:-(P19-4,5, P20-4) Ch:0+80.5 22:30~23:20 Removing of Creak portion. Ch:0+85.0~065.0 22:40_) Installation of Supporting bars for PS Tendons</p>	<p>75.5 10:00~) Drilling for PS tendon Location: 28-4,36-4,34-4,16-9 Note: CONTRACTOR HAS BEEN NOTIFID ABOUT THE INSTALLATION OF HEAD BLOCK FORMWORK OF PS TENDONS WITHOUT APPROVED AFI Night F.Ch:0+241.0 I-1,I-2, I-3 Ch:0+200.5~0+235.5 21:00~2:00 Grouting of PS Tendons.(4 Tendons Grouted) Locations:- (P41-7 (221.8KG) P48-5 (634.2KG) P42-2 (239.2KG) P42-8 (301.8KG) Ch:0+200.5~0+150.5 20:40~) Pacer Grouting of PS Tendons.(31 Pacer Grouted) Locations:- (P31-3,P32-3,9, P33-2,3,9, P34-3,7,8,9, P36-3,7,8,9, P37-3, P39-3,7,8,9 P38-7,8,9, P41-9, P40-9, 8, 7, P37-8,9 P35-9,8,7) Ch:0+050.5~0+75.5 21:40~2:00) Installation of PS Tendons (10Tendons Installed) Locations:- (p16-8,9, P15-8, P14-8,9 P13-8,9, P12-8,8, P11-9) CH:0+0+0+70.5~0+175.5 20:00~) Predrilling of PS Tendons (6 Holes Drilled) Locations:- (P36-4, P16-6, P34-4, P24-5, P25-5, P15-6)</p>	<p>09:00~) Drilling for PS tendon is in progress. Night F. Ch:0+241.0 Ch:0+80.0~0+85.0 (Creaks Area) 20:40~Fixing of Rebar mesh without removing of Remaining creaks Ch:0+200.0~0+241.0 00:00~3:00 Pull out Test (3 Bolts)</p>	<p>CH:0+075.5+0+000 08:40~) Drilling for PS tendon is in progress. Night F.Ch:0+241.0 Ch:0+35.5~0+85.5 21:10~2:00 Installation of PS Tendons (10 pcs Installed) Locations:- (P18-5, P15-5, P16-6, P7-2, P11-2, P10-2 P9-2,3 P8-2 &amp; 3) Ch:0+180.5~205.5 21:00~) Grouting of PS Tendons. Locations:-P42-5 (2232 KG) P42-2 Washed due to leakage P39-3 Inject pipe Block Note:- P37-3 (150.6KG) Rejected due to Grout continue from return pipe. Ch.: 0+25.5~0+65.5 20:15~) Drilling for PS Tendons. Locations:-14-2,p6-6,7)</p>	<p>CH:0+025.0+0+000 08:40~) Drilling for PS tendon up to 10m is in progress.. Ch.: 0+090.0~0+190.0 08:00~17:00) PS Tendon packing with Mortar. Ch.: 0+135.5~14:40~) Drilling for PS tendon up to 10m is in progress... Night F.Ch:0+241.0 Ch:0+55.5~0+65.5 20:40~2:30 Installation of PS Tendons (9 pcs Installed) Locations:- (P14-6,7, P13-3,6,7, P12-2,3,4,6) Ch:0+110.5~0+185.5 22:20~ Packer Grouting for PS Tendons (23 pacer Grouted &amp; in progress) Locations:- ( P33-3, 4, P36-6, P38-6, P25-3, P26-3,2, P27-2, P30-6,5,4, P31-4,6,5, P32-4, P34-4, P23-2,3, P24-2,3, P25-2, P31-7, P30-7) Ch:0+55.5~20:15~) Drilling for PS Tendons upto10m Ch:0+80.0~0+85.0 23:20~) Removing of Remaining cracks via D. Jumbo</p>	<p>(183.2Kg), P23-2 (343.2Kg), P38-6 (547.2Kg), P37-5 (139.5Kg), P33-3 (113.9Kg), Note: Grouting stopped because contractor use hardened/Older cement for Grouting. Issue Highlighted to QC Person Ch.: 0+025.5~0+50.5 08:30~ 14:30) Installation of PS tendons (11 pcs) Location: P10-7, P10-6, P9-6, P9-7, P8-7, P11-2, P11-3, P11-4, P7-8, P6-9, P11-7 Ch.:0+80~0+90 11:10~11:25) Shotcrete SF on cracked area (Qty=2m³) Ch.: 0+150~0+180 9:00~10:15) Cleaning of drainage by excavator Ch.:0+80~0+90 15:30~17:00) PS Tendon packing with mortar Note: During shifting of platform, top portion of platform hits Exposed cables of PS Tendon. Issue Highlighted to QC Person Night' F. Ch:0+241.0 Ch:0+55.5~0+65.5</p>
TC II-2(1) +TCII-2(2) (Left and Right)	<p>Day II-2 Right Side 08:45~09:30) Pullout test not performed due to broken hydraulic jack Ch.:0+100~0+000 09:30~10:20) Thickness test II-2 Left side CH:0+000~0+035.0 10:20~11:00) Jointly thickness test Night No Activity</p>	<p>Day II-2 Right Side II-2 Left side. Day II-2 Right Side II-2 Left side.</p>	<p>Day II-2 Right Side Ch.:0+235.5 14:30~15:32) Grouting for PS tendon Location: P48-7(179.9kg), P48-9(190.8kg) Ch.:0+235.5 15:32~) Packer grouting for PS tendon Location: P48-6(10.1kg) II-2 Left side No Activity Night No Activity</p>	<p>Day II-2 Right Side Ch.:0+200.5~0+230.5 14:00~) Grouting for PS tendon (4Pcs) Location: P41-9(171.7kg), P39-9 (151.7kg), P39-8 (237.5kg), P46-9 (168.1kg). Ch.:0+205.5~0+215.5 08:40~10:00) Packer grouting for PS tendon (4Pcs) Location: P44-6(17.6kg), P43-6(9.4kg), P42-5(12.4kg), P42-6(12.4kg)</p>	<p>Day II-2 Right Side Ch.:0+200.5~0+230.5 14:00~) Grouting for PS tendon (08Pcs) Location: P25-9 (172.0Kg), P43-6 (179.8Kg), P39-7 (253.1Kg), P40-7 (187.8Kg), P38-8(274.4kg), P37-8(110kg), P26-9(99kg), P27-9(111.4kg),. II-2 Left side Location: P33-2(207kg) (01pcs)</p>	<p>Day II-2 Right Side Ch.:0+235.5~0+150.5 08:20~14:30) Grouting for PS tendon (08Pcs) Location: P41-8 (164.8Kg), P44-6 (195.7Kg), P44-7 (134.8Kg), P45-6 (112.8Kg), P31-2 (138.0Kg), P42-7 (133.6Kg), P46-6 (118.6Kg), P48-6 (110.0Kg), Ch.: 0+220.5~0+215.5 09:46~11:15) Packer grout for PS tendon (02Pcs) Location: P45-6</p>	<p>Day II-2 left Side Ch.: 0+130.5 11:00~11:30) Packer grout for PS tendon (Pcs) Location: P27-3(12.6kg), P27-4 (11.9Kg), II-2 Right Ch.: 0+ 08:30~) Drilling for PS tendon up to 10m is in progress... Ch.:0+10.5~8:00~17:00) Installation of supporting bars for PS tendon Note: During Shifting Platform hits exposed PS Tendon Cables.</p>

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**Appendix K [23/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
				II-2 Left side No Activity Night II-2 Right Side Ch:0+180.5~0+235.5 20:10~) Grouting for PS tendon (13 Tendons Grouted)	grouted & still in progress... Night No Activity	(11.6Kg), P44-7 (11.3Kg) II-2 Left side No Activity Night No Activity	Issue Highlighted to QC Person. II-2 Left side No Activity Night No activity
PH I 1 Center Crown	Day F. Ch:0+241.0 I1, I2, I3 15:00~) Drilling for rebar cutting for PS tendon. Night F. Ch:0+241.0 Ch.:0+233~0+238 20:30-5:00) Making of Scaffolding Platform  Ch.: 0+210.0~23:00~) Drilling for rebar cutting for PS Tendon.	Day F. Ch:0+241.0 I1, I2, I3 14:30 ~) Drilling for rebar cutting for PS tendon. Ch.: 0+150 - 080 10:00 - 14:00) Survey & installation of convergence monitoring points Night F.Ch:0+241.0 Ch.:0+223~0+228.0 20:30-5:00) Making of Scaffolding Platform Ch.: 0+200.0~0+195 23:00~1:30) Drilling for rebar cutting for PS Tendon. After 1:30 o Clock no Activity due to Machine Break Down.	Day F.Ch:0+241.0 I1, I2, I3 10:20~11:20) Drilling for rebar cutting for PS tendon.  Night F. Ch:0+241.0 Ch.:0+223~0+228.0 2000-5:00) Making of Scaffolding Platform	Day No Activity	Day No Activity	Day No Activity	Day No Activity
- PH II-2(1) +Ph. II-2(2) (Left and Right)	Day II-2 Right NOTE: NO GROUTING FRO TRBs DUE TO UNAVAILIBILITY OF EXPANSION AGENT (SIKA INTERPLAST Z) Ch:0+240 08:30~) Assembling and installation scaffolding pipe platform. II-2 LEFT NOTE: NO GROUTING FRO TRBs DUE TO UNAVAILIBILITY OF EXPANSION AGENT (SIKA INTERPLAST Z) Ch:0+ 172~08:30~09:45) Installation of bearings plates for TRBs. 09:50~) tensioning of TRBs. Location: L50-3, L54-3, L51-4, L56-3,L56-2, L60-4 L52-3 (REJECTED DUE TO TRB ROTATES DURING TENSIONING) Nigh II-2 RIGHT NOTE: No Grouting for TRBs due to unavailability of SIKA Interplant Z (Expansion Agent)  Ch:0+113.85~112.7 2:00~3:00 Tensioning of TRB's Locations:- -R1-3 (Rejected due to TRB Rotating During Tensioning) -R2-4 (Nut Freely Rotating During Tensioning)  Note:-	Day II-2 Right NOTE: NO GROUTING FOR TRBs DUE TO UNAVAILIBILITY OF EXPANSION AGENT (SIKA INTERPLAST Z) Ch:0+240 + 220 08:30~) Assembling and installation scaffolding pipe platform Ch:0+ 140 - 160 08:30~14:00) Installation of bearings plates for TRBs. 14:30~16:50) tensioning of TRBs. (4 pcs) Location: R15-3, R23-3, R24-4, R26-3 II-2 LEFT NOTE: NO GROUTING FOR TRBs DUE TO UNAVAILIBILITY OF EXPANSION AGENT (SIKA INTERPLAST Z) Ch.: 0+000 - 025 08:30 - 16:00) Packing of TRBs  Note: Contractor is highlighted about improper placement of Sika Crete behind TRB plates. Night II-2 RIGHT NOTE: No Grouting for TRBs due to unavailability of SIKA Interplant Z	Day II-2 RIGHT Ch:0+240~0+235 08:30~) Assembling and installation of scaffolding pipe platform 14:30~16:17) Tensioning of TRBs. (13pcs) Location: R14-5, R10-5, R10-4, R11-3, R8-3,R5-3,R2-3,R1-3,R0-4,-R2-4,-R1-4,-R3-3,-R4-4,-R6-4,-R2-5. II-2 LEFT Ch.:0+033.35~0+028.75 14:10~) Grouting for 7m TRBs. Location: -L73-4(77.7kg), -L75-4(64.8kg), -L72-4(57.1kg), -L72-3(246.2kg), -L71-3(75.6kg)  Nigh II-2 RIGHT Ch.: 0+135.7~0+140.3 21:00~3:00 Tensioning of Tension Locations :- ( R18-4, R27-2, R28-2, R22-2&3) R21-3 (Nut Freely Rotating During Tensioning) R20-3 (Nut Freely Rotating During Tensioning) R19-4 (Nut Freely Rotating	Day II-2 RIGHT Ch:0+230.0~0+235.0 08:30~15:00) Assembling and installation of scaffolding pipe platform 08:30~16:00) Tensioning of TRBs. (8pcs) Location: -R4-4, -R5-3, -R6-3, -R7-3, -R8-3, -R11-3, -R15-3, -R23-4, II-2 LEFT Ch.:0+060.95+0+001.15 08:35~17:00) Grouting for 7m TRBs. (29Pcs) Location: -L47-4(75.4kg), -L51-3(130.2kg), -L56-4(124.4kg), -L48-2(94.2kg), -L47-3(61.8kg), -L46-3(75.3kg), -L49-3(80.4kg), -L99-3(90.3Kg), -L55-4(95.3Kg), -L55-3(83.6Kg), -L51-4(67.4Kg), -L54-4(80.1Kg), -L52-3(88.1Kg), -L52-4(80.2Kg), -L53-4(97.8Kg), -L54-3(85.1Kg), -L98-4(56.6Kg), -L99-4(67.3Kg), -L97-4(76.2Kg), -L96-4(102.2Kg), -L96-3(64.5Kg), -L95-4(57.4Kg), -L94-3(72.7Kh), -L94-4(53.1Kg), -L93-3(68.5Kg), -L92-4(106.6Kg), -L93-4(101.8Kg), -L91-4	Day II-2 Right Side Ch.:0+200.5~0+230.5 14:00~) Grouting for PS tendon (08Pcs) Location: P25-9 (172.0Kg), P43-6 (179.8Kg), P39-7 (253.1KG), P40-7 (187.8Kg), P38-8(274.4kg), P37-8(110kg), P26-9(99kg), P27-9(111.4kg),.  II-2 Left side Location: P33-2(207kg) (01pcs grouted & still in progress... II-2 LEFT CH:0+150.0~220.0 08:00~17:00) Drilling for PS tendon up to 6m  Night II-2 LEFT Ch.: +92.0~0+87.0 22:00~) Grouting for 7m TRBs. (5 TRBs Grouted) Locations: - (L20-4 (78.8KG) -L24-4 (82.0KG) -L23-4 (96.9KG) -L21-4 (40.3KG)-22-4 (70.3KG)  Ch:0+185.0~20:40~ Drilling for PS Tendons up to 6m Locations: - (P81-1,2,3) P82,1,2,3.) P83-1,2,3,) P84-1,2,3)	Day II-2 RIGHT Ch:0+230.0~0+235.0 08:30~10:00) Assembling and installation of scaffolding pipe platform Ch:0+110.0~0+220 08:30~10:00) Rectification & installation of bearing plates for 7m TRBs. 10:00~11:15) Tensioning of TRBs (03Pcs) Location: R14-3, R13-2, R10-2, R14-2: Rejected due to TRB rotating during tensioning Ch.:0+73.6~0+72.4 5 10:18~) Grouting for 7m TRBs. (3Pcs) Location: -R37-2 (70.8Kg), -R36-3 (45.6Kg) Note: -R37-4 (66.4Kg) Rejected due to excessive leakage. II-2 Left Ch.:0+014.95~0+016.1 08:40~) Grouting for 7m TRBs. (03Pcs) Location: -L90-4 (91.3Kg), -L88-4 (80.7Kg), -L86-4 (129.2Kg), Ch.: 0+185.0~09:35~) Drilling for PS Tendon up to 6m Ch.:0+200.0~0+000.0 08:00~) Mucking &	Day II-2 Left Ch.: 0+200.0~0+230.0 08:35~) Drilling for PS Tendon up to 6m is in Progress  08:15~) Water pressure test (14 pcs)

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**Appendix K [24/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
	<p>Tensioning Suspended due to Some Issue in Hydraulic Machine. I-2 LEFT NOTE: No Grouting for TRBs due to unavailability of SIKA Interplant-Z (Expansion Agent)</p> <p>21:40~23:30 Tensioning of TRB's Locations: - L19-2 (Nut Freely Rotating During Tensioning) L6-3 (Nut Freely Rotating During Tensioning) L10-2 (Rejected due to TRB Rotating During Tensioning)</p> <p>Ch:0+065~20:30-) Cutting of Extra grouting pipes.</p>	<p>(Expansion Agent) Ch:0+160.0~0+180.0 20:15~22:00 Survey &amp; Marking for PS Tendons. Note:- No Tensioning due to Some Issue in Hydraulic Machine. II-2 LEFT NOTE: No Grouting for TRBs due to unavailability of SIKA Interplant-Z (Expansion Agent) No Activity Note: - No Tensioning due to Some Issue in Hydraulic Machine.</p>	<p>During Tensioning) R19-3 (Nut Freely Rotating During Tensioning) R28-3 (Nut Freely Rotating During Tensioning) II-2 LEFT Ch:0+0+42.55~0+34.5 21:20~) Grouting for Tension rock bolts (10 Bolts Gouted) Locations: - -L70-4 (88.5KG) -L69-4 (97.5KG) -L68-4 (50.5KG) -L67-4 (79.3KG) -L66-4 (79.5KG) -L64-4 (100.8KG) -L61-4 (50.3KG) -L65-4 (62.3KG) -L66-3 (95.7KG) -L63-4 (247.2KG)</p>	<p>(115.3Kg),-L92-3 (74.3Kg) Night II-2 RIGHT Ch:0+142.0~0+149.5 21:20~4:00 ) Tensioning of TRBs. Locations:- (R24-2, R32-3, R33-2 R36-3) Note:- R29-5 (Nut Rotating During Tensioning) R26-2 (Nut Rotating During Tensioning) R30-2 (Nut Rotating During Tensioning) R34-2 (Nut Rotating During Tensioning) R37-2 (Nut Rotating During Tensioning) Ch:0+070.0~0+95.0 21:20~23:20) Drilling for Missing Tension Rock bolts 23:30~00:50 Installation of Missing Rock dowels (Qty=4pcs Installed)</p>	<p>Ch:0+00.0~0+015.0 20:00~Cutting of Extra TRBs pipes.</p>	<p>cleaning of side drain Nigh II-2 RIGHT Ch:0+108.1~0+93.15 20:45~) Tensioning of TRBs.( 11Bolts Tested) Locations:- (-R12-3, -R13-3, -R14-3, -R19-3, -R10-3, -R17-2-R16-2, -R13-2, -R10-2, -R7-2, -R6-2) Note:- -R17-3 (Nut Freely Rotating During Tensioning) -R9-2 (Nut Freely Rotating During Tensioning) II-2 LEFT Ch:0+173.65~0+177.1 1:10~) Water Pressure Test (5 Holes Tested) Locations: - (PH51-1 (2.0l/m) PH52-1 (4.7l/m) PH54-1 (3.4l/m) PH53-1 (3.7l/m) PH57-1 (1.9l/m)</p>	
PH I 2 Left crown	<p>Day No Activity</p>	<p>Day F. Ch:0+241.0~ Approx Left Ch.: 0+110 08:30~14:00) Arrangements for drilling of extensometer 14:30-) Drilling of extensometer Night F. Ch:0+241.0~ Approx Left Ch.: 0+110 20:30-) Drilling for extensometer</p>	<p>Day No Activity</p>	<p>Day No Activity</p>	<p>Day No activity Night F. Ch:0+241.0~ Approx Left Ch.:0+110.0 23:00~Drilling for Extensometer Night</p>	<p>Day F. Ch:0+241.0~ Approx Left Ch.:0+110.0 11:00~) Drilling for Extensometer Night F. Ch:0+241.0~ Approx Left Ch.:0+110.0 23:00~Drilling for Extensometer</p>	<p>Day F. Ch:0+241.0~ Approx Left Ch.:0+110.0 12:30~) Drilling for Extensometer Night F. Ch:0+241.0~ Approx Left Ch.:0+110.0</p>
PH I 3 Right crown	<p>Day F. Ch:0+241.0~ Approx Ch.: 110 08:45~11:00) Assembling and Installation of axial load transducer Night F. Ch:0+241.0(D/S) Ch:0+110.0 No Activity</p>	<p>Day F. Ch:0+241.0~ Approx Ch.: 110 09:00~10:45) Grouting for extensometer and axial load transducer Night F. Ch:0+241.0(D/S) Ch:0+110.0 No Activity</p>	<p>Day No Activity</p>	<p>Day No Activity</p>	<p>Day No Activity</p>	<p>Day No Activity</p>	<p>Day No Activity</p>
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 2	<p>Day PAT 2 Plug Area CONTRACTOR HAS PLACED EXCAVATED MATERIAL BEFORE PLUG CONCRETE OF PAT 02 Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02</p>	<p>Day PAT 2 Plug Area Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02</p>	<p>Day PAT 2 Plug Area No activity Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02</p>	<p>Day PAT 2 Plug Area No activity Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02</p>	<p>Day PAT 2 Plug Area No activity Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02</p>	<p>Day PAT 2 Plug Area No activity Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity</p>	<p>Day PAT 2 Plug Area No activity Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity</p>

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**Appendix K [25/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
	PAT 2 Plug Area No Activity	PAT 2 Plug Area No Activity	PAT 2 Plug Area No Activity	PAT 2 Plug Area No Activity	PAT 2 Plug Area No Activity		
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 1	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day No Activity Night No activity	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.
STB from powerhouse connection tunnel	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F.Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.
Surge Chamber Vault Access Tunnel (VAT)+ Vault Gallery	Day Ch.:0+380 -395 (Junction Area) 09:30 - 14:15 Invert mucking Night Ch.:0+468.0~0+475.0 21:00~22:00 Charging for Invert blast 22:15 Blast carried out 23:00~3:30 Mucking Note: - Ventilation Nonfunctional in VAT Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity						
Intake area	Day El: ▼0+982.0 No Activity	Day El: ▼0+982.0 No Activity	Day No activity	Day No activity	Day No Activity	Day No Activity	Day No Activity
Day work	Switch Existing KKH	Switchyard+KKH	Switchyard + Existing KKH	Switchyard + Existing KKH	Switchyard + Existing KKH	Switchyard + Existing KKH	Switchyard + Existing KKH
Switchyard Compounds	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material Night El; 957~952 (4th layer center portion) 9:05- 10:10) shotcrete 1st layer (5 m³) El; 958~953 (4th layer Center portion) 8:00-) Drilling for Drain holes. El; 953~950 (4th layer left portion) 8:00-) Fixing of wire mesh on 4th layer. El: 925~930 (1st layer center to right) 8:00-) Excavation of 1st layer	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material Night El; 958~953 (4th layer Center portion) 8:00-12:00) Drilling for blast El; 957~954 (4th layer left portion) 8:00-) Fixing of wire mesh on 4th layer. El: 953~950 (4th layer center to right) 8:00-11:00) Excavation and leveling of 4th layer. El: 920~925 (4th layer center to right) 13:00-) Excavation	Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material Night El; 958~956 (4th layer center & left portion) 8:00-) Rectification and installation of wire mesh on 4th layer. El: 953~950 (1st layer center to right) 8:00-) Excavation of 4th layer.	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material Night El; 958~956 (4th layer center to left portion) 8:00~10:45) Rectification of wire mesh on 4th layer. 10:45~17:00) Second layer shotcrete Qty=18.0m³ El: 957~955 (4th layer center to right portion) 08:00~) Fixing of wire mesh El: 920.0 (1st layer center to left) 8:00~) Excavation of ground level	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material Night El; 957~955 (4th layer center to Right portion) 07:00~) Fixing of wire mesh El: 957~950 (4th layer Left portion) 11:00~16:30) Charging for blast Expo=300kg 16:44) Blast carried out El: 920.0 (1st layer center to left) 8:00~) Excavation of ground level	Day Day work order 7:00~11:30 &12:30~17:00 Removing of Debris material Night El; 957~955 (4th layer center to Right portion) No Activity El: 957~950 (4th layer Left portion) No Activity El: 920.0 (1st layer center to left) No Activity	Day El; 957~955 (4th layer center to left portion) 14:00~) Excavation & Mucking El: 957~956 (4th layer Left portion) 07:00~17:00) Fixing of Wire mesh (11Pcs) El: 920.0 (1st layer center to left) No Activity





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**Appendix K [27/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
	<p>F.Ch:0+241.0 I-1, 2, 3 Ch.: 0+05.5~0+140.5 8:10~) Installation of PS tendons (08pcs) &amp; is in progress... Location: P29-2, P28-2, 3, 4, P8-6, P22-6, P7-7, P2-9 Ch.:0+80~0+90 9:15~14:00) Rectification of rebar mesh of crack area. Ch.:0+170.5~0+110.5 8:20~17:00) PS Tendon packing with mortar Ch.:0+205.5~9:30~) Installation and fixing of bearing plates and form working of head cap for PS tendons Ch.: 0+30.5~0+40.5 10:30~) Drilling for PS tendons up to 10m &amp; is in progress... Night F.Ch:0+241.0 Ch.: 0+05~0+20 21:00~) Drilling for PS tendons up to 10m &amp; is in progress... (6pcs Predrilled) Location P1-2, 3, 4, P2-3, 4, P6-5, Ch. 0+0.5~0+25.5 23:30~) Installation of PS tendon (7pcs) Location P6-3, P6-4, P5-2, P5-3, P5-4, P4-2, P4-3, Ch.:0+80~0+90 03:30~04:20) 2nd layer shotcrete at cracks area Qty=4m<sup>3</sup> Ch:0+05~0+100 20:30~) Installation of supporting pins for PS tendon Ch. 0+150~0+200 20:30~) PS Tendon packing with mortar</p>	<p>F. Ch:0+241.0 I-1, 2, 3 Ch.:0+145.5~50.5 08:30~17:00) Packing of PS tendons Ch.: 0+00~0+40.5 08:30~) Drilling for PS tendons up to 10m in progress... Night F.Ch:0+241.0 Ch. 0+0.5~0+20.5 20:00~02:00) Installation of PS tendon (11pcs) Location. P1-4, P2-4, P3-2, 4, 6, 7, P4-2, 3, 6, 7, P5-6, Ch. 0+60~0+100 20:30~) PS tendon Packing with mortar Ch. 0+55.5~0+85.5 21:00~) Drilling for PS tendon 10m is in Progress (4pcs)</p>	<p>F.Ch:0+241.0 I-1, 2, 3 Ch.:0+25.5~0+17.5.5 9:30~ 16:45) Installation of PS tendon (10pcs) Location: P8-4, P6-2, P9-4, P10-4, P36-4, P12-5, P12-7, P17-5, P13-5, P14-5 Ch.: 0+000~0+45.5 08:30~) Drilling for PS tendons up to 10m in progress... Night F.Ch:0+241.0 Ch:0.5~0+50.5 20:00~ Installation of PS Tendons (8 Tendons Installed &amp; Progress Locations:- (P1-6,P1-7,P2-6,P7-5&amp;6 P10-5, P8-5, P11-5 ) Ch:0+0.5~0+30.5 20:55~ Drilling for PS Tendons Upton 10m (5 Holes Drilled &amp; Progress)</p>	<p>F.Ch:0+241.0 I-1, 2, 3 Ch.:0+090.0~0+15.5.5 14:30~16:50) Grouting for PS tendons Location: P19-2(270.6KG), P20-2(283.0KG), P21-2(362.20KG), P22-2(264.60KG), P32-4(231.3KG), Ch.:0+150.0~0+17.5.5 09:00~11:00) Packing for PS tendons Ch.:0+05.50~0+40.50 09:00~15:45) Installation of PS tendon (08pcs) Location: P7-5, P5-6, P5-5, P6-5, P4-5, P9-5, P7-6, P2-8 Night F.Ch:0+241.0 Ch:0+165.5~0+175.5 22:20~ ) Grouting for PS Tendons (5 Tendons Grouted) Locations:- P34-7 (201.1KG) P36-5 (171.2KG) P31-7 (245.9KG) P35-4 (219.1KG) P35-3 (224.6KG) Ch:035.5~0+169.25 20:40~Packer Grouting for PS Tendons (49 Packer Grouted) Installation PS Tendons (2 Tendons Installed)</p>	<p>F. Ch:0+241.0 I1, I2, I3 Ch.:0+45.0~0+170.0 14:00~16:00) Survey for extensometer I-1 Ch.:0+000.~0+125.5 09:00~11:35) Repairing of ventilation duct Note: Ventilation is not functional because ventilation duct repairing and Grouting of PS Tendon Nigh t F.Ch:0+241.0 Ch:0+110.5~0+14.0.5 20:20~) grouting for PS Tendons (14 Tendons Grouted) Ch:0+0+90.5~0+105.5 23:30_ ) Packer Grouting for PS Tendons. Locations:- (P20-5,P19-6,P22-9,P21-5, P21-4, P20-4, P17-2, P21-6, P22-6, P22-8, P22-7, P20-6)</p>	<p>F.Ch:0+241.0 I1, I2, I3 Ch.:0+050.50~0+110.50 9:00~ Grouting of PS tendons (21PCS) Ch.:0+05.50~0+60.50 9:15~14:30 ) Packer grouting for PS tendons (39pcs) Night F.Ch:0+241.0 Ch. 0+45.5~0+95.5 20:00~03:35) Grouting for PS tendons ( 16Pcs Grouted) Location:- Ch. 0+15~5~0+80.5 20:00~) Grouting for PS tendon packer (38pcs grouted), Ch.:0+15.5~0+175.0 08:00~) Assembling and fixing of scaffolding pipe Night F.Ch:0+241.0 Ch. 0.5 ~ 0+150.5 20:00~) Grouting for PS tendons (27 Pcs Grouted)</p>	<p>F.Ch:0+241.0 I1, I2, I3 Ch.:0+30.50~0+135.50 9:00~) Grouting of PS tendons (12PCS) is in progress Location: P13-4(136.3KG), P12-4(224.7KG), P28-3(369.2KG), P5-2(152.8kg), P29-3(228.1kg), P10-4(165.2kg) , P6-2(249.3kg), P7-2(181.4kg), P8-2(181.7kg), P4-2(164.5KG), P3-2(171KG), P-29-5(447KG), P11-4(529.8kg ) , P28-4(2433.9kg, Connected with P29-3 ), P29-4(2929.2kg, Connected with P29-5), Ch.:0+165.0~0+175.0 08:00~) Assembling and fixing of scaffolding pipe Night F.Ch:0+241.0 Ch. 0.5 ~ 0+150.5 20:00~) Grouting for PS tendons (27 Pcs Grouted)</p>
TC II-2(1) +TCII-2(2) (Left and Right)	<p>Day II-2 Right Ch:0+105.5~0+90.5 9:20~11:00) Packing of PS tendons with mortar II-2 Left side No Activity Night</p>	<p>Day II-2 Right II-2 Left side NO ACTIVITY DUE TO LABOUR SHIFT CHANGE Night II-2 Right Side</p>	<p>Day II-2 Right No Activity II-2 Left side No Activity Night II-2 Right Side II-2 Left</p>		<p>Day II-2 Right Ch.:0+65.5~0+95.5 09:00~) Grouting for PS Tendon (08Pcs) &amp; is in progress... Ventilation is not functional because ventilation duct repairing and Grouting of PS Tendon Night No Activity</p>	<p>Day No activity Night No Activity</p>	<p>Day</p>
PH II-2(1) +Ph. II-2(2) (Left and Right)	<p>Day II-2 RIGHT 08:35~14:50) Drilling for PS Tendon up to 6m II-2 Left Ch.:0+110.0~08:45~17:00) Installation of supporting bars for PS tendon 09:05~17:05) Water pressure test (14pcs) Location: PH 58-3(2.6),PH 59-3(2.2), PH 59-4(4.2),Ph. 64-4(0.9), ph. 64-3(5.5),ph. 62-4(3.1),ph. 65-4(2.1),ph. 63-4(0.7),ph. 58-</p>	<p>Day II-2 RIGHT NO ACTIVITY DUE TO LABOUR SHIFT CHANGE II-2 Left Ch:0+162.5~0+171.35 08:30~) Water pressure test (15pcs) Location: P72-4(3.7), P72-3(3.6), P72-2(4.4), P73-4(3.8), P73-3(3.1), P74-4(4.5), P73-2(3.4), P75-4(3.0), P74-3(3.4), P71-2</p>	<p>Day II-2 RIGHT No Activity II-2 Left Ch.:0+118.45~0+155.25 09:30~14:45) Backfill Grouting for failed WPT up to 6m (07Pcs) Location: P52-3 (95.9Kg), P55-3 (84.4Kg), P56-2 (102.2Kg), P68-1 (71.7Kg), P56-3 (157.9Kg), P57-3 (79.7Kg), P55-1 (67.0Kg).</p>	<p>Day II-2 RIGHT Ch.:0+100.0~0+05.0.0 08:20~15:45) Installation of bearing plates &amp; Tensioning for 7m TRBs (12pcs) Location: -R42-4, -R40-4, -R38-4, -R36-4, -R35-3, -R34-3, -R33-3, -R32-4, -R32-3, -R31-2, -R30-2, -R28-3, Night II-2 Left Ch.: 0+130.0~0+145.0</p>	<p>Day II-2 RIGHT Ch.:0+207~0+230.0 08:30~) Installation of bearing plates &amp; Tensioning for 7m TRBs (08pcs) &amp; is in progress... Location: R88-5, R84-4, R80-4, R100-4, R80-4, R51-4, R43-4, R37-4 II-2 Left Ch.: 0+150.65~08:25~) Drilling for PS Tendon up to</p>	<p>Day II-2 RIGHT Ch.:0+111.55~0+62.1 08:30~16:00) Installation of bearing plates &amp; Tensioning for 7m TRBs (14pcs) Location: -R20-5, -R22-5, -R24-5, -R26-5, -R32-5, -R36-5, -R34-4, -R10-5, -R18-5, -R30-5, -R34-5, -R40-5, -R44-5, -R46-5 Ch.:0+170.0~0+155.0 09:07~) Installation</p>	<p>Day II-2 RIGHT Ch.:0+223.10~0+231.15 08:30~16:30) Installation of bearing plates &amp; Tensioning for 7m TRBs (11pcs) Location: R99-3, R98-4, R98-2, R100-2, R101-2, R97-3, R97-2, R95-3, R95-2, R94-4, R94-2 Ch.:0+145.0~0+155.0 09:07~17:30) Installation of supporting bars for PS tendon.</p>

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**Appendix K [28/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
	<p>4(4.2), ph. 63-3(4.5), ph. 60-4(2.7), ph. 60-3(1.4), ph. 62-3(2.7), ph. 61-4(1.1)</p> <p>Ch:0+110.0~14:58~) Drilling for PS tendon up to 13.5m still in progress..</p> <p>Night II-2 RIGHT Ch. 0+23~0+97.75 22:30~) Grouting of Tension rock bolts (5pcs) Location -R26-2 (76.5kg), -R15-2 (108.0kg) -R80-3 (77.4kg) -R77-2 (79.4kg) -R33-2 (57.7kg) II-2 LEFT Ch. 0+120.75~20:30~) Drilling for PS tendon 13.5m is in progress (3pcs) Location PH53-2, 3, 4.</p> <p>Ch... 0+150.65~0+157.55 21:00~) Water pressure test (10pcs) Location PH66-3 (3.9L/m) PH66-4 (2.2L/m), PH67-2 (4.1L/m), PH67-3 (3.6L/m), PH67-4, (2.9L/m), PH68-2 (4.6L/m) PH68-4 (3.8L/m), PH69-2 (4.2L/m) PH69-3 (4.3L/m), PH69-4 (3.8L/m)</p>	<p>(3.9), P76-3 (3.4), P75-2 (3.8), P75-3 (4.6), P74-2 (3.4), P76-2 (2.7).</p> <p>Ch.: 0+110.0~08:35~) Drilling for PS tendon up to 13.5m still in progress..</p> <p>Night II-2 RIGHT No activity II-2 LEFT Ch. 0+ 20:00~) Drilling for PS tendon 13.5m is in progress (5pcs) Location PH 65-3, 4, PH 58-2, 3, 4 PH 51-3, Ch. 0+187.45~0+175.95 21:30~03:00) Water pressure test (15pcs) Location PH81-3 (3.2L/m) PH81-2 (2.3L/m), PH82-2 (3.9L/m), PH82-3 (2.6L/m), PH77-2 (2.5L/m), PH79-2 (0.9L/m), PH77-4 (2.0L/m), PH78-2 (2.7L/m), PH77-3 (3.2L/m), PH78-3 (3.3L/m), PH78-4 (2.8L/m), PH79-3 (3.6L/m), PH79-4 (4.3L/m), PH80- (3.0L/m), PH80-3 (3.2L/m)</p>	<p>Ch.: 0+135~0+150 08:35~) Drilling for PS tendon up to 13.5m still in progress...</p> <p>Ch.:0+190.0~0+220.0 08:30~17:00) Installation of supporting bar for PS Tendon Night II-2 RIGHT Ch:177.3~121.9 2:20~3:00 Tensioning for Tension rock bolts (5 Bolts Tested) Locations:- (R3-2, R2-3, R3-3m, R4-3, R6-3)</p>	<p>08:35~) Drilling for PS tendon up to 13.5m Ch.:0+185.0~0+190.50 09:30~) Drilling for PS tendons (depth=0.5m)</p> <p>Ch.:0+116.50~0+215.05 09:50~) Water pressure test up to 6m (18Pcs) Location: PH92-4 (4.8), PH88-4 (4.7), PH91-4(4.90), PH91-3(2.0), PH91-2(4.40), PH90-3(4.30), PH94-4(4.4), PH51-4(4.20) PH52-4(2.80), PH53-4(3.5), PH54-4(4.3), PH55-4(4.7), PH90-4(4.90), PH93-4(4.30), PH88-4(4.70), PH88-3(4.20), PH92-4(4.8), PH57-4(4.90), PH56-4(4.20) ,PH61-3 (4.8 l/m)</p>	<p>13.5m is in Progress...</p> <p>Ch:0+200.0~08:25~) Drilling for PS Tendon up to 13.5m is in Progress.</p> <p>Ch.:0+238.05~0+217.35 09:50~) Water pressure test up to 6m (09Pcs) Location: PH103-3 (31.9), PH103-4 (3.4), PH104-2 (1.0) ,PH104-3 (0.0), Ph95-3 (0.0), PH 95.4 (4.3) , PH 96-4 (4.5), PH 64-2 (4.6), PH 65-2 (0.0) Night II-2 RIGHT No Activity II-2 LEFT Ch:0+0+146.0~0+162.0 &amp; 0+200.0~0+220.0 20:00 Drilling for PS Tendons up to 13.5m is in progress.</p> <p>Ch:0+132.25~0+120.75 2:15~2:00) Installation of PS Tendons (9 Tendons Installed)</p>	<p>of supporting bars for PS tendon. II-2 Left Ch:0+205.85~0+225.5 08:10~13:00) Drilling for PS Tendon up to 13.5m Ch:0+159.85~185.5 10:42~14:00) Drilling for PS Tendon up to 13.5m No more drilling due to break down of Drilling Jumbo Ch.:0+134.55~0+143.75 08:20~12:30) Installation of PS tendon (10pcs) Ch.:0+193.2~0+218.5 09:00~) Water pressure test up to 6m (13Pcs) Location: PH68-3(2.4), PH75-11(3.1), PH75-13(4.3), PH74-11(3.5), PH75-12(2.80), P90-1(2.2), P89-1(2.0), PH88-1(2.3), PH85-1(1.80), PH 73-11 (4.9), PH73-12 (4.7), PH74-12 (2.7), PH74-13 (4.0). Night II-2 RIGHT Ch. 0+164.45~0+194.35 20:45~) Water pressure test for PS tendon at 6m (15 hole tested) Note:- During water pressure test PH72-11 have water injected 33 Liter in 7L/m after 8, 9, 10, minutes 0.0L/m) PH72-13 (48L injected, result 0.0L/m) PH72-11 (33L injected, result 0.0 L/m)</p>	<p>II-2 Left Ch:0+150.65~0+157.55 08:20~15:10) Installation of PS tendon (10pcs) Location: PH66-4, PH67-2, 3, PH68-2, 3, 4, PH69-2, 3, 4 Ch:0+196.65~208.15 10:45~Water pressure test up to 6m (09pcs) Location: PH 91-11(3.3), 90-13(3.6), 90-10(4.1), 90-11(3.4), 89-11(4.1), 86-11(2.0), 87-12(4.6), 89-12(4.5), 86-12(3.5) Night II-2 RIGHT Ch. 0+160~0+170 20:00~) Drilling for rebar mesh cutting Ch. 0+181.7~0+185.15 01:00~03:20) Tensioning test of tension rock bolts (4 Pcs) Location:- R59-4, R61-4, R61-3, R58-5 II-2 LEFT Ch. 01110~0+120 &amp; 0+190~0+200 20:00~) Drilling for PS tendon 13.5m is in progress. Ch. 0+212.75 ~21:00~) Installation of PS tendon (5pcs installed) and is in progress. Location: PH 93-2, PH94-2, PH94-3, PH95-2, PH95-3</p>
Penstock Admit Tunnel towards Lower pressure Mani fold area. Tunnel No 2	<p>Day PAT 2 Plug Area No activity</p> <p>Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity</p>	<p>Day PAT 2 Plug Area Ch.:0+225.0~0+250.0 11:30~14:00) Removing of underreact with Jackhammer for H-Beam/Steel arch. Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity</p>	<p>Day PAT 2 Plug Area Ch.:0+225.0~0+250.0 08:00~12:30) Removing of under break with Jackhammer for H-Beam/Steel arch. Note: Removing of under break for installation of Steel arches some rock dowels are damaged. Issue highlighted to QC Person the Exposed/Damaged rock dowels to be rejected. Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed</p>	<p>Day PAT 2 Plug Area Ch.:0+225.0~0+250.0 No activity Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area Ch.:0+225.0~0+250.0 22:15~00:00) Removing of under break Via Jack hammer for H-Beam/Steel arch. Note: - During</p>	<p>Day PAT 2 Plug Area Ch.:0+225.0~0+250.0 No activity Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area No Activity</p>	<p>Day PAT 2 Plug Area Ch.:0+225.0~0+250.0 8:15~9:30) Survey for under break 9:30~) Removing of under break by jackhammer Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area Ch.:0+225.0~0+250.0 20:30~21:00) Survey for under break 21:00~03:00)</p>	<p>Day PAT 2 Plug Area Ch.:0+225.0~0+220.0 13:30~) Invert excavation &amp; Levelling is in progress... Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area. Ch.:0+220.0~0+250.0 20:00~23:25) Invert leveling.</p>

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**Appendix K [29/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
			Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug.	Crown Excavation Some Dowels Affected Issue highlighted to QC Person.		Removing of under break by jackhammer	
Penstock Admit Tunnel towards Lower pressure Mani fold area. Tunnel No 1	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area No activity. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area. Ch.:0+225.0~0+250.0 20:30~21:00) Survey for under break 21:00~03:00) Removing of under break by jackhammer Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No activity.	Day F. Ch.:0+129.0(Approx) Junction area 08:30~) Welding of supporting dowel for Ventilation fan. Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.
STB from powerhouse connection tunnel	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) No activity Note: STB ACCESS BARRICADED BY OHS DUE TO VENTILATION PROBLEM Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day F. Ch.:0+129.0(Approx) Junction area 9:00~10:30) Removing of ventilation fan 13:00~) Installation of Ventilation fan. Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	Day Ch.:0+385.0~435 Junction 08:20~11:15) Invert excavation & mucking Ch.:0+385~0+396.0 13:00~) Drilling for additional blast Night Ch.:0+435.0 Ch. 0+420~0+430 21:00~02:30) Drilling for Invert blast
Surge Chamber Valet Access Tunnels (VAT)+Vault Gallery	Day Ch.:0+385.0~0+390.0 Junction 08:20~09:30) Invert Mucking Note: Contractor has been notified about the improper lighting at the additional blast area. NIGHT Ch.:0+385.0~0+390.0 No activity Note: - Ventilation Non Functional in VAT Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.:0+385.0~0+435.0 Junction 08:20~) Invert Mucking & Levelling Night Ch.:0+385.0~0+390.0 Junction 20:30~) Excavation & Invert Levelling by Jack hammer Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.:0+385.0~0+435.0 Junction No Activity due to excavator breakdown at VAT Junction Night Ch.:0+385.0~0+390.0 Junction 00:20~) Excavation & Invert Levelling by Jack hammer Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.:0+385.0~435 Junction 08:30~11:15) Excavation & Invert Levelling by Jack hammer Ch.:0+330.0~08:30~) Arrangements for installation of service pipes Night Ch.0+390.0~0+425.0 Junction 1:00~) Excavation & Invert Levelling by Jack hammer Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.:0+385.0~435 Junction 08:30~) Excavation & Invert Levelling Night Ch.:0+435~21:00~) Drilling for Invert Blast Towards Right side Chamber #02 No Activity Towards left side Chamber #01 No Activity	Day Ch.:0+385.0~435 Junction 9:45~16:00) Drilling for invert blast 16:20~17:45) Charging for blast 18:43) Blast carried out Night Ch.:0+435~ Ch. 0+430~0+440 20:00~) Mucking and leveling.	Day
Intake Area		No Activity	No activity	Day El: ▼0+982.0 08:00~11:30) Excavation & mucking		Excavation and mucking	Mucking and scaling
Day work		No activity	No activity				Day work order 7:00~11:30 &12:30~17:00) Removing of Debris material.

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**Appendix K [30/34]**

Date/Day Location	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
Switchyard Compound	DAY El; 957~950 (4th layer center to left portion) 08:00~) Excavation & Mucking El: 957~955 (4th layer Left portion) 07:00~11:00) Fixing & Rectification of wire mesh done & allowed for shotcrete. 12:00~17:20) Second layer shotcrete Qty=10m³ El: 920.0 (1st layer center to left) No Activity	Day El; 957~952 (4th layer center to left portion) 08:00~14:00) Excavation & Mucking El; 957~955 (4th layer left portion) 10:00~11:30) Curing 15:00~18:00) Second layer shotcrete Qty=012m³ El: 920.0 (1st layer center to left) No Activity Night No Activity	Day Day work order 7:00~11:30 & 12:30~17:00) Removing of Debris material. Night El; 952~949 (4th layer center to left portion) 08:00~14:00) Drilling for blast El; 957~955 (4th layer left portion) No Activity El: 920.0 (1st layer center to left) No Activity	El; 952~949 (4th layer center to left portion) No activity due to labors shifted to right bank cable crane. El: 952.0~955.0 10:00~16:30) Scaling & leveling of slop with jack hammer El; 957~955 ( Left to center portion) No Activity El: 920.0 (1st layer center to left) No Activity	Day El: 970 (5th layer) 07:30~11:30 & 12:30~17:00) Arrangement for day work removal of debris Material Note: - Access preparation to approach the loose material above switchyard top slope. Note: Further No activity due to slush.	Day El: 970 (5th layer) 07:30~11:30 & 12:30~17:00) Arrangement for day work removal of debris Material Note: - Access preparation to approach the loose material above switchyard top slope. Note: Further No activity due to slush.	Day El: 925.0 (1st layer center right portion) 7:30~10:30) Excavating & mucking El 952~955.0 (4th layer left side portion) 10:30~12:30) Scaling & leveling of slope with jack hammer El 952~949 (4th layer center left portion) 10:45~14:50) Charging for blast Expo= 500kg 15:50~) Blast carried out 16:10~) Excavation with jack hammer El; 957~955 ( Left to center portion) No Activity

Date/Day Location	22 Wednesday	23 Thursday	24 Friday	25 Saturday
Exhaust tunnel	Day F. Ch:1+554.8 (U/S) Ch.:1+554.50~1+558.0 10:00~14:30) Installation of wire mesh (6pcs) F.Ch:1+611.80 (D/S) No activity >Unavailability of explosive on Explosive. Night F. Ch:1+554.5 (U/S) Ch.:1+554.0~1+558.0 21:35~22:50) 2nd layer shotcrete Qty=10m³	Day F. Ch:1+554.8 (U/S) Ch.:1+554.50~1+558.0 10:00~14:30) Installation of wire mesh (6pcs) F.Ch:1+611.80 (D/S) No activity >Unavailability of explosive on Explosive. Night F. Ch:1+554.5 (U/S) Ch.:1+554.0~1+558.0 21:35~22:50) 2nd layer shotcrete Qty=10m³	Day F. Ch:1+554.8 (U/S) 07:00~11:30) Drilling for blast 11:30~14:30) Charging for blast Expo =270Kg 14:40) Blast Carried out 15:00~18:00) Mucking & Scaling F. Ch:1+611.80 (D/S) Ch...:1+603.8~1+611.0 07:00~14:00) Installation of wire mesh Night F. Ch:1+551.0 (U/S) 01:20~2:00) Survey and Mapping Qv=2.08	Day F. Ch:1+551.5 (U/S) 08:30~09:00) Survey for blast 07:00~13:00) Drilling for blast 13:00~14:20) (Charging for blast (Expo=370) 14:30) Blast carried out 14:45~20:00) Mucking & scaling F.Ch:1+615.00 (D/S) Ch...:1+612.0~ 07:00~08:00) Drilling for rock dowels Night F. Ch:1+551.5 (U/S) No Activity F.Ch:1+615.4 (D/S) No Activity
TRT O1 FROM CTO1	Day F. Ch:1+621.50(U/S) 08:30~13:30) Drilling for blast Ch.:1+632~1+625.0 14:30~17:00) Installation of wire mesh (4PCS) > Unavailability of Explosive on site. F.Ch:1+665.4(D/S) No activity > unavailability of Explosive on site Night F. Ch: 1+621.50 (U/S) Ch.:1+632~1+622.5 20:00~00:30) Installation & Rectification of wire mesh (28PCS) F.Ch:1+665.4(D/S) Ch.:1+656.5~1+663.5 00:45~) Installation of Wire mesh is in progress	Day F. Ch:1+621.50(U/S) 08:30~13:30) Drilling for blast Ch.:1+632~1+625.0 14:30~17:00) Installation of wire mesh (4PCS) > Unavailability of Explosive on site. F.Ch:1+665.4(D/S) No activity > unavailability of Explosive on site Night F. Ch: 1+621.50 (U/S) Ch.:1+632~1+622.5 20:00~00:30) Installation & Rectification of wire mesh (28PCS) F.Ch:1+665.4(D/S) Ch.:1+656.5~1+663.5 00:45~) Installation of Wire mesh is in progress	Day F. Ch:1+621.50(U/S) 13:00~14:20) Charging for blast (Expo=270kg) 14:40) Blast carried out 15:00~) Mucking is in progress Ch.:1+632.0~1+622.0 08:35~10:20) 2nd layer shotcrete (PS Qty=14m³)  F.Ch:1+665.4(D/S) No Activity Night F. Ch: 1+621.50 (U/S) 20:00~) Mucking and scaling  F.Ch:1+665.4(D/S) Ch:1+660.0~1+664.0 21:30~) Installation of wire mesh is in progress	Day F. Ch:1+618.50(U/S) Ch...:1+622.50~1+618.0 07:00~13:00) Installation of wire mesh (Qty=13pcs) F.Ch:1+668.5(D/S) 10:00~10:20) Survey & mapping Qv=2.8 Night F. Ch:1+618.50(U/S) Ch:1+621.5~1+618.0 21:10~22:00) 2nd layer Shotcrete Qty=6m³ F.Ch:1+668.5(D/S) Ch:1+1665.4~1+1668.0 22:35~23:10) 1st layer Shotcrete Qty=6m³ Ch:1+663.0 00:40~) Drilling for Rock dowels are in progress Note: Ventilation problems in TRT-02
TRT O2 FROM CTO1 TC I 1	No Activity	No Activity		
	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+000~0+025.0 9:00~15:00) Grouting of Packer (21pcs) Location: P2-7, 2-6, 1-7, 1-6, 3-7, 3-6, 1-4, 1-5, 2-4, 2-5, 4-6,7, 5-6,7, 6-6,7, 7-6,7, 8-6, 9-7, 13-7 CH:0+50.5~0+55.5 15:00~) Grouting for PS tendon Location: P11-8(214.4kg), P12-8(186.7kg), P11-7(180.2kg) CH:0+070.0~0+000 14:45~) Packing of PS tendons is in progress.. Ch.:0+165.0~0+175.0 08:00~) Assembling and fixing of scaffolding pipe Night	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+000~0+025.0 9:00~15:00) Grouting of Packer (21pcs) Location: P2-7, 2-6, 1-7, 1-6, 3-7, 3-6, 1-4, 1-5, 2-4, 2-5, 4-6,7, 5-6,7, 6-6,7, 7-6,7, 8-6, 9-7, 13-7 CH:0+50.5~0+55.5 15:00~) Grouting for PS tendon Location: P11-8(214.4kg), P12-8(186.7kg), P11-7(180.2kg) CH:0+070.0~0+000 14:45~) Packing of PS tendons is in progress.. Ch.:0+165.0~0+175.0 08:00~) Assembling and fixing of scaffolding pipe F. Ch:0+241.0	Day F. Ch:0+241.0 I1, I2, I3 No Grouting for PS tendons due to unavailability of cement  CH:0+040.0~0+000 07:15 - ~) Packing of PS tendons is in progress. Ch.:0+165.0~0+175.0 07:00~) Assembling and fixing of scaffolding pipe Night F. Ch:0+241.0 Ch.:0+165.0~0+175.0 21:00~02:00) Assembling and fixing of scaffolding pipe  Ch:0+120.0~0+160.0	Day F. Ch:0+241.0 I1, I2, I3 14:00 - ) Grouting for PS tendons Location: Ch.: 0+170.5 7:20~ ) Drilling for extensometer  night F.Ch:0+241.0 I1, I2, I3 Ch. 0+030.5~0+45.5 21:00 -00:50) Grouting for PS tendons (8pcs) Location: P7-8 (219.8kg), P7-9 (292.9kg), P8-7 (222.5kg), P8-9 (465.9KG), P9-8 (234.0KG), P8-8 (250.4KG), P10-9 (301.1KG.)

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	F. Ch:0+241.0 Ch. 0+104.25 21:30~22:30) Pull out test were not performed due to hydraulic jack pressure problem. Ch.:0+165.0~0+175.0 21:00~01:30) Assembling and fixing of scaffolding pipe Note No PS tendon grouting due to unavailability of cement.	Ch. 0+104.25 21:30~22:30) Pull out test were not performed due to hydraulic jack pressure problem. Ch.:0+165.0~0+175.0 21:00~01:30) Assembling and fixing of scaffolding pipe Note No PS tendon grouting due to unavailability of cement	22:30~02:00) Manually Cleaning of Side Drain  Note: No PS tendon grouting due to unavailability of cement	(P10-7 (234.7KG)  Ch.: 0+170.5 20:30~) Drilling for Extensometer
TC II-2(1) +TCII-2(2) (Left and Right)	No Activity	Day No Activity		
Transformer Cavern Left crown I-2	No Activity	No Activity		
PH. I-1 Center Crown	Day F. Ch:0+241.0 I1, I2, I3 Ch.:0+224~0+200.0 08:45~11:20) Survey for PS tendon Ch.: 0+135.0 - 040 09:00~) Drilling for cutting rebar 1m  Ch.:0+235.0 8:30~12:00) Assembling & Welding of scaffolding platform. Night No Activity	Day F. Ch:0+241.0 I1, I2, I3 Ch.:0+224~0+200.0 08:45~11:20) Survey for PS tendon Ch.: 0+135.0 - 040 09:00~) Drilling for cutting rebar 1m  Ch.:0+235.0 8:30~12:00) Assembling & Welding of scaffolding platform Night F. Ch:0+241.0 I1 Ch.:0+235.0 20:30~) Assembling & Welding of scaffolding platform	Day F. Ch:0+241.0 I1, I2, I3 Ch.: 0+135.0 - 040 07:10~) Drilling for cutting rebar 1m Ch.:0+205 - 215 08:30 - ) water Pressure Test in progress... Location: PH91-5 (3.6), 92-5 (4.1), 93-5 (4.0), 94-5(3.5), 89-4(3.5),100-5(4.8), 99-5(4.2), 98-5(3.8), 102-5(4.2), 101-5(3.6), 96-5(4.4), 95-5(4.0), 97-5(2.2) Night F. Ch:0+241.0 I1 Ch.:0+235.0 20:30~02:00) Assembling & Welding of scaffolding platform	Day F. Ch:0+241.0 I1, I2, I3 Ch.:0+221.95~ 07:15~09:25) water Pressure Test Location: PH103-2(2.9)  Ch.:0+230.0~0+240.0 07:00~) Rectification & welding of scaffolding platform Night F. Ch:0+241.0 Ch.:0+230.0~0+240.0 20:00~02:00) Rectification & welding of scaffolding platform
PH II-2(1) +Ph. II-2(2) (Left and Right)	Day II-2 RIGHT Ch.:0+209.3~0+221.95 08:20 - 16:30) Installation of bearing plates & Tensioning for 7m TRB (12 pcs) Location: R92-4, R91-3, R93-3, R90-3, R91-2, R89-2, R92-3, R94-2, R93-2, R88-3, R86-2, R82-3  Ch.:0+125.0~241.0 08:30~13:00) Installation of supporting bars for PS tendon. II-2 Left Ch.: 0+ 201.25~217.35 08:30~13:00) Installation of PS tendon (10 pcs) Location: PH95-4, 94-4, 89-2, 3, 88-2, 3 91-2, 3 90-2, 3  Ch.:0+200.0~0+220.0 08:30~) Drilling for PS tendon 13.5m Night II-2 RIGHT Ch. 0+160~0+170 20:00~) Drilling for rebar cutting  Ch. 0+181.7 ~0+185.15 22:00~01:30) Tensioning test of tension rock bolts (06 Pcs) Location:- R62-5, R64-5, R66-5, R64-3, R60-3, R59-3  Ch:0+219.65~0+233.45 20:20~) Water Pressure Test for PS tendons Up to 6m Locations:- PH101-13 (2.2) PH102-13 (2.0) PH99-12 (2.2) PH100-13 (1.5) PH99-13 (4.1) PH98-12 (1.1) PH98-13 (1.8) PH96-11 (2.7) PH97-13 (0.7) PH97-12 (2.0) PH96-12 (0.0) II-2 LEFT Ch. 0+130~0+180 20:00~) Drilling for PS tendon 13.5m is in progress Ch. 0+116.15~0+146.05 21:00~01:00) Installation of PS tendon (5pcs) Location: PH 53-4, PH 52-4, PH51-4, PH61-4, PH,64-5	Day II-2 RIGHT Ch.:0+209.3~0+221.95 08:20 - 16:30) Installation of bearing plates & Tensioning for 7m TRB (12 pcs) Location: R92-4, R91-3, R93-3, R90-3, R91-2, R89-2, R92-3, R94-2, R93-2, R88-3, R86-2, R82-3  Ch.:0+125.0~241.0 08:30~13:00) Installation of supporting bars for PS tendon. II-2 Left Ch:0+ 201.25~217.35 08:30~13:00) Installation of PS tendon (10 pcs) Location: PH95-4, 94-4, 89-2, 3, 88-2,3 91-2,3 90-2,3  Ch.:0+200.0~0+220.0 08:30~) Drilling for PS tendon 13.5m Night II-2 RIGHT Ch. 0+160~0+170 20:00~) Drilling for rebar cutting  Ch. 0+181.7 ~0+185.15 22:00~01:30) Tensioning test of tension rock bolts (06 Pcs) Location:- R62-5, R64-5, R66-5, R64-3, R60-3, R59-3  Ch:0+219.65~0+233.45 20:20~) Water Pressure Test for PS tendons up to 6m Locations:- PH101-13 (2.2) PH102-13 (2.0) PH99-12 (2.2) PH100-13 (1.5) PH99-13 (4.1) PH98-12 (1.1) PH98-13 (1.8) PH96-11 (2.7) PH97-13 (0.7) PH97-12 (2.0) PH96-12 (0.0) II-2 LEFT Ch. 0+130~0+180 20:00~) Drilling for PS tendon 13.5m is in progress Ch. 0+116.15~0+146.05 21:00~01:00) Installation of PS tendon (5pcs) Location: PH101-13 (2.2) PH102-13 (2.0) PH99-12 (2.2) PH100-13 (1.5) PH99-13 (4.1) PH98-12 (1.1) PH98-13 (1.8) PH96-11 (2.7) PH97-13 (0.7) PH97-12 (2.0) PH96-12 (0.0) II-2 LEFT Ch. 0+130~0+180 20:00~) Drilling for PS tendon 13.5m is in progress Ch. 0+116.15~0+146.05 21:00~01:00) Installation of PS tendon (5pcs) Location:	Day II-2 RIGHT Ch.:0+209.3~0+221.95 07:00 - 11:45) Installation of bearing plates & Tensioning for 7m TRB (8 pcs) Location: R76-3 & R79-3 = R79-2, R78-2, R75-2, R74-2, R105-4, R106-4, R89-3, R90-4, Ch.:0+0+030 - 060 07:00~) Installation of supporting bars for PS tendon. II-2 Left Ch.: 0+ 201.25~217.35 07:30 -) Installation of PS tendon is in progress (2 pcs) Location: PH80-4, PH80-3 Ch.:0+146 - 196 07:10 -) Drilling for PS tendon 13.5m is in progress... Night II-2 RIGHT Ch. 0+160~0+170 20:00~) Drilling for rebar cutting  Ch. 0+166.75~0+180.55 20:30~02:00) Fixing of TRBs plates & Tensioning test of TRBs ( 07Pcs) Location:- R45-4, R47-4, R48-3, R50-3, R51-3, R57-3, R56-3 Ch.: 0+192.05~0+203.55 20:30~02:00) Water Pressure Test for PS tendons up to 6m (15Pcs) Locations:- PH89-12 (1.2) PH89-13 (1.7) PH85-11 (2.3) PH86-12 (1.8) PH88-12 (3.5) PH88-11 (2.5) PH89-11 (1.6) PH84-11 (2.9) PH84-12 (2.8) PH85-12 (2.6), PH90-12 (2.5), PH100-11 (.5), PH99-11 (2.0), Ph92-11 (2.1), Ph90-11 (2.4) -2 LEFT Ch. 0+195~0+210 20:00~) Drilling for PS tendon 13.5m is in progress. Ch. 0+159.85 20:30~) Installation of PS tendon (pcs)	Day II-2 RIGHT Ch.:0+202.4~0+055.2 06:30~) Installation of bearing plates & Tensioning for 07m TRB (05pcs) Location: R667-2, R69-2, R68-4, R40-3, R38-2, R71-2(During tensioning TRB rotated.)  Ch.:0+050.0~0+000 07:30~) Installation of supporting bars for PS tendons. II-2 Left Ch.: 0+192.05~0+198.95 07:00~10:08) Installation of PS tendon (05pcs) Location: PH87-2, PH86-2, PH73-2, 3, PH72-2,  Ch.:0+169.50~0+175.0 07:10~) Drilling for PS tendon 13.5m still in progress... Night II-2 RIGHT Ch. 0+138.05 ~ 0+125 20:30~02:00) Drilling for Rebar cutting  Ch.:0+156.4~0+150.65 20:00~01:00) Installation of bearing plates & Tensioning for 07m TRB (7 pcs) Location:- R36-4, R35-3, R34-4, R31-3, R33-3, R37-3, R34-3)  Ch:0+162.15~0+189.75 23:10~02:00) Installation of PS Tendons Locations:- PH71-4, PH85-2, PH73-4 II-2 Left Ch. 0+196.65~0+221.95 22:40~02:00) Drilling for PS tendon 13.5m

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		PH 53-4, PH 52-4, PH51-4, PH61-4, PH,64-5	Location: PH 70-3, PH70-4, PH80-3, PH70-2 Ch:0+221.0~0+240.0 22:00~02:00) Installation of Supporting bar for PS Tendons.	
PH 11-2 Left Crown	Day F. Ch:0+241.0~ Approx Left Ch.:0+170.0 09:00~14:00) Assembling and installation extensometer 08:30~12:00) Removal of pipe platform Night F. Ch:0+241.0~ Approx Left Ch.:0+170.0 21:00~23:30) Assembling and installation Axial force transducer	DAY F. Ch:0+241.0~ Approx Left Ch.:0+170.0 09:00~14:00) Assembling and installation extensometer 08:30~12:00) Removal of pipe platform NIGHT F. Ch:0+241.0~ Approx Left Ch.:0+170.0 21:00~23:30) Assembling and installation Axial force transducer		
Penstock Admit Tunnel towards Lower pressure Tunnel No 2	Day PAT 2 Plug Area Ch.:0+225.0~0+220.0 13:30~) Manually drilling for crown under break blast NOTE: WITHOUT APPROVED AFI AT SITE Lower Pressure Tunnel 02 Ch.: 0+014.0~025.0 No activity Night PAT- 02 Design Excavation Completed Lower Pressure Tunnel 02 (towards manifold) Lower Pressure Tunnel 02 PAT 2 Plug Area. Ch.:0+220.0~0+250.0.			
Penstock Admit Tunnel towards Lower pressure Tunnel No 1	Day No activity	No activity		Day PAT- 01 Design Excavation Completed PAT 1 Plug
STB From powerhouse Connection tunnel	Day No Activity Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.	No Activity	Day F. Ch.:0+129.0(Approx) no activity Night No Activity	Day F. Ch.:0+129.0(Approx) VENTILATION PROBLEM. AIR FLOW = 0 Night F. Ch:0+128.5~ No Activity Note: STB Access barricaded by OHS due to ventilation problem.
Surge Chamber Valet Access Tunnel (Vat)+Vault Gallery	Day Ch.:0+420 - 430 junction invert 08:00~08:50) Charging for blast (Expo=13kg) 09:08) blast carried out 10:30~) Mucking Night Ch.:0+420 - 430 20:00~01:00) Invert mucking	Day Ch.:0+420 - 430 junction invert 08:00~08:50) Charging for blast (Expo=13kg) 09:08) blast carried out 10:30~) Mucking Night Ch.:0+420 - 430 20:00~01:00) Invert mucking	Ch.:0+370 - 390 junction invert 07:00 -10:00) Excavation of invert 10:00~) Manually drilling for blast Night Ch.:0+370~0+390 20:00~01:00) Invert	Day Ch.:0+000~0+200 11:00~ installation of an additional ventilation duct from junction Ch.: 0+370 - 430 07:15 - Installation of supporting bars for
Intake Area	Mucking and scaling	Mucking and scaling	Mucking and scaling	Mucking and scaling
Day work	Day work order 7:00~11:30 &12:30~17:00) Removing of Debris material.	No Activity	Removing of debris material	Removing of debris material
Switchyard Compound	EI▼952~949 (4th layer center left portion) 8:10~) Excavation & mucking EI; 957~955 ( Left to center portion) No Activity	Day EI▼952~949 (4th layer center left portion) 8:10~) Excavation & mucking EI; 957~955 ( Left to center portion) No Activity	EI▼952~949 (4th layer center left portion) 8:10~) Excavation & mucking 09:50~) Drilling for blast EI; 957~955 ( Left to center portion) No Activity	Removing of debris material

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**Appendix K [33/34]**

**Daily Work Records of EM-01**

S/No Structure	1 Wednesday	2 Thursday	3 Friday	4 Saturday	5 Sunday	6 Monday	7 Tuesday
Terrace #2	No activity	No activity	Construction of Retaining Wall	No activity	No activity	No activity	No activity
Terrace #4	Construction of Retaining Wall	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #6	Excavation and Levelling	No activity	Excavation For Retaining Wall	Excavation and Levelling & Retaining Wall Foundation PCC	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #9&10	No activity	No activity	Excavation and Levelling	No activity	No activity	No activity	No activity
Terrace #12	Excavation Of Security Building	No activity	No activity	No activity	No activity	No activity	No activity
Terrace #15	Construction of Retaining Wall	No activity	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #16	No activity	No activity	No activity	No activity	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling
RAR to Gate Retiming wall	No activity	No activity	No activity	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Watch Tower	Column Formwork	No activity	Column Concrete	Steel Fixing & Formwork	Steel Fixing & Formwork	Steel Fixing & Formwork	Steel Fixing & Formwork
Watch Tower	Beam & Slab Formwork	No activity	Beam & Slab Formwork	Beam & Slab Formwork	Beam & Slab Concrete	Steel Fixing & Formwork	Steel Fixing & Formwork
Side Boundary Wall	Block Masonry	No activity	Column Concrete	Block Masonry	Block Masonry Work	Block Masonry Work	Block Masonry Work
Retiming Wall Finishing Work	Retiming wall & Brest Tapping Work	No activity	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work
Block Manufacturing	Preparing Block For Boundary Wall	No activity	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	No activity	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	8 Wednesday	9 Thursday	10 Friday	11 Saturday	12 Sunday	13 Monday	14 Tuesday
Terrace #6	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #15	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #16	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling
Watch Tower	Column Steel Work	Column & Slab Concrete Work	Top Beam Formwork	Top Beam Formwork	Column & Slab Formwork & Slab Concrete	Slab Formwork	Slab Formwork
Terrace #12 Security Building	No activity	PCC Work	PCC Work	PCC Work	Column Foundation Steel Work	Column Foundation Steel Work	Column Foundation Steel Work
Side Boundary Wall	Block Masonry Work	Block Masonry Work	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete
Road Side Boundary Wall	Column Concrete	Column Concrete	Column Formwork	Column Formwork	Column Formwork	Column Formwork	Column Formwork
Retiming Wall Finishing Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work
Block Manufacturing	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	15 Wednesday	16 Thursday	17 Friday	18 Saturday	19 Sunday	20 Monday	21 Tuesday
Terrace #15	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Excavation & Levelling Construction of Retaining Wall
Watch Tower	Slab Formwork & Slab Concrete	Slab Formwork & Slab Concrete	Slab Concrete	Slab Formwork Opening	Slab Formwork Opening	Slab Formwork Opening	Slab Formwork Opening
Terrace #12 Security Building	Column Foundation Formwork & Concrete work	Column Foundation Formwork & Concrete work	Column Foundation Formwork & Concrete work	Column Foundation Formwork	Column Foundation Concrete work	Column Foundation & Column Formwork	Column Formwork
Terrace #6 Office Building	No activity	No activity	Leveling & Dressing For Office Building	Excavation Column Foundation Office Building	Excavation Column Foundation Office Building	Excavation Column Foundation Office Building	Excavation Column Foundation Office Building
Terrace #11 3.1 building	No activity	No activity	No activity	No activity	No activity	Foundation Excavation	Foundation PCC Work
Side Boundary Wall	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete	Block Masonry Work& Column Concrete	Block Masonry	Block Masonry
Road Side Boundary Wall	Column Formwork	Column Formwork	Column Formwork	Column Concrete & Plinth Beam Formwork	Column Formwork & Plinth Beam Concrete	Column Formwork & Plinth Beam	Column Formwork & Plinth Beam
Gate	Column Foundation Formwork Concrete	No activity	No activity	No activity	No activity	Column Formwork	Column Formwork
Security Post	No activity	No activity	No activity	No activity	No activity	No activity	Excavation & Levelling
Retiming Wall Finishing Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work	Retiming wall & Brest Tapping Work
Block Manufacturing	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall	Preparing Block For Boundary Wall
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	22 Wednesday	23 Thursday	24 Friday	25 Saturday	26 Sunday	27 Monday	28 Tuesday
Terrace #15	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #16	No activity	No activity	No activity	No activity	No activity	No activity	Excavation & Levelling work



