



# DASU HYDROPOWER CONSULTANTS

Dasu Hydropower Project

Joint Venture of



With sub-consultants



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Contract No: DHP-CSA01

Our Ref. No: DHC/Dasu/WAPDA/GEN/tm/22- 359

Date: 24<sup>th</sup> June 2022

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

**Subject: Dasu HPP – MPR No.94 for the Month of May 2022 under Assignment-B**

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

Sincerely yours,

Project Manager  
Dasu Hydropower Consultants

**Attachment: MPR No.94 (14 Copies)**

**Copy to:**

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



PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY

# DASU HYDROPOWER PROJECT

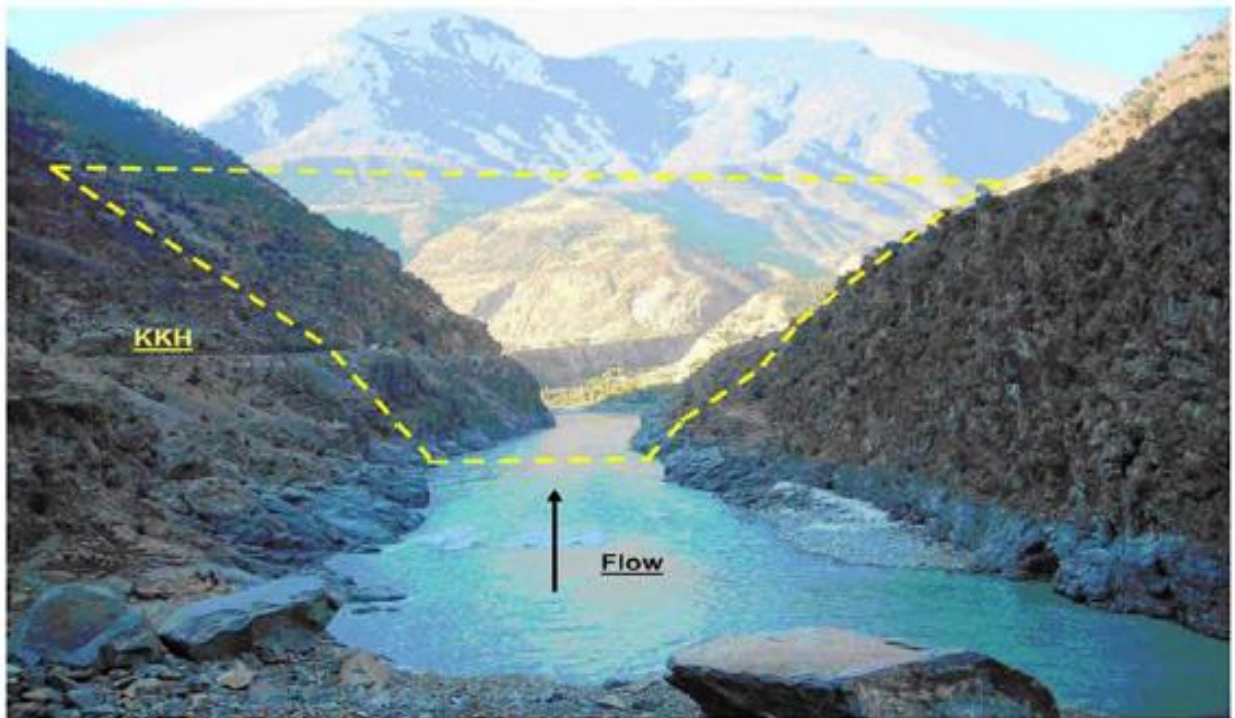
Consultancy Services for Preparation and Implementation of

Dasu Hydropower Project

Assignment – B: Construction Design, Contract Management and

Construction Supervision Support

Contract No. DHP-CSA01



## Monthly Progress Report No. 94

### May 2022

### Dasu Hydropower Consultants (DHC)

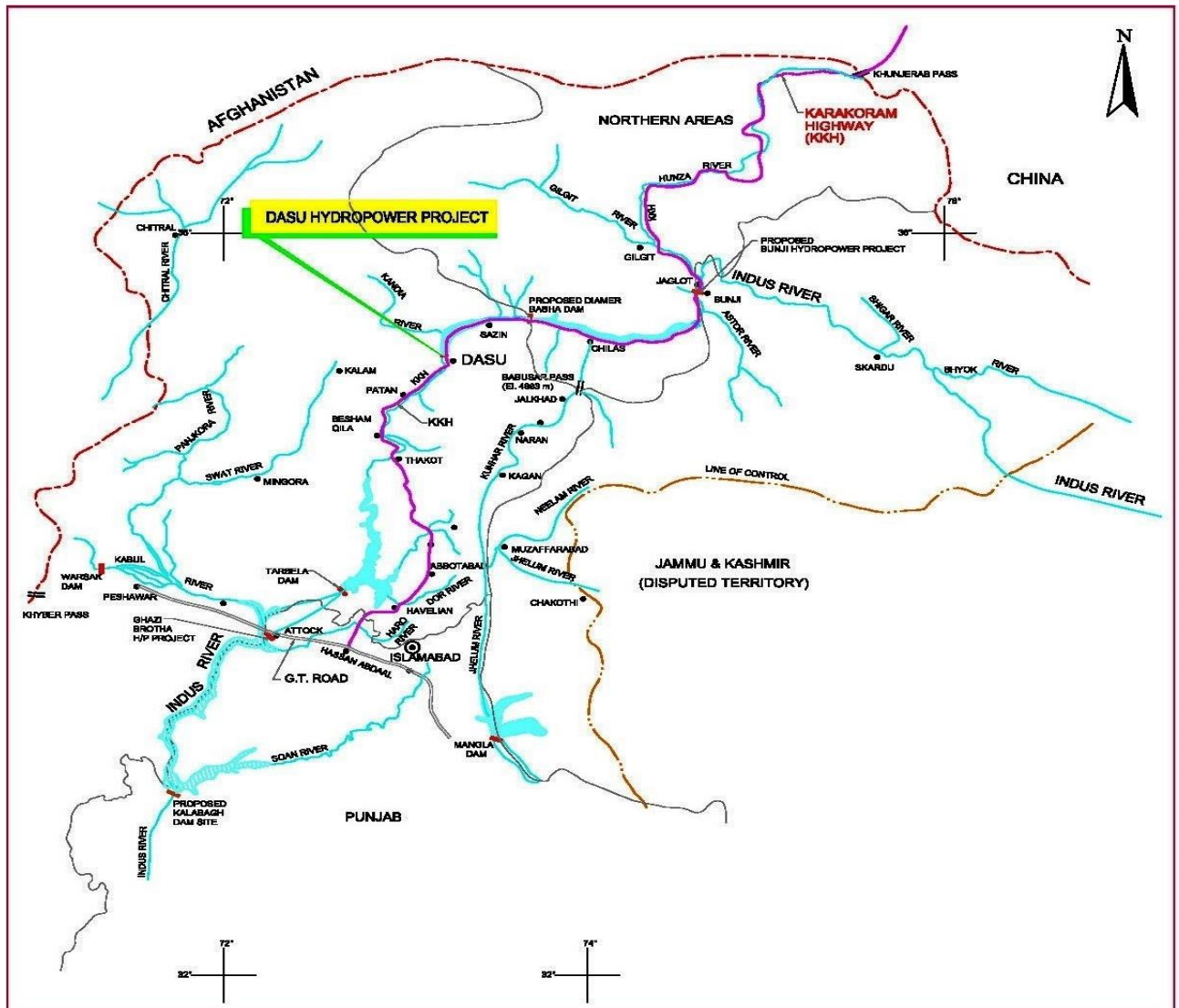
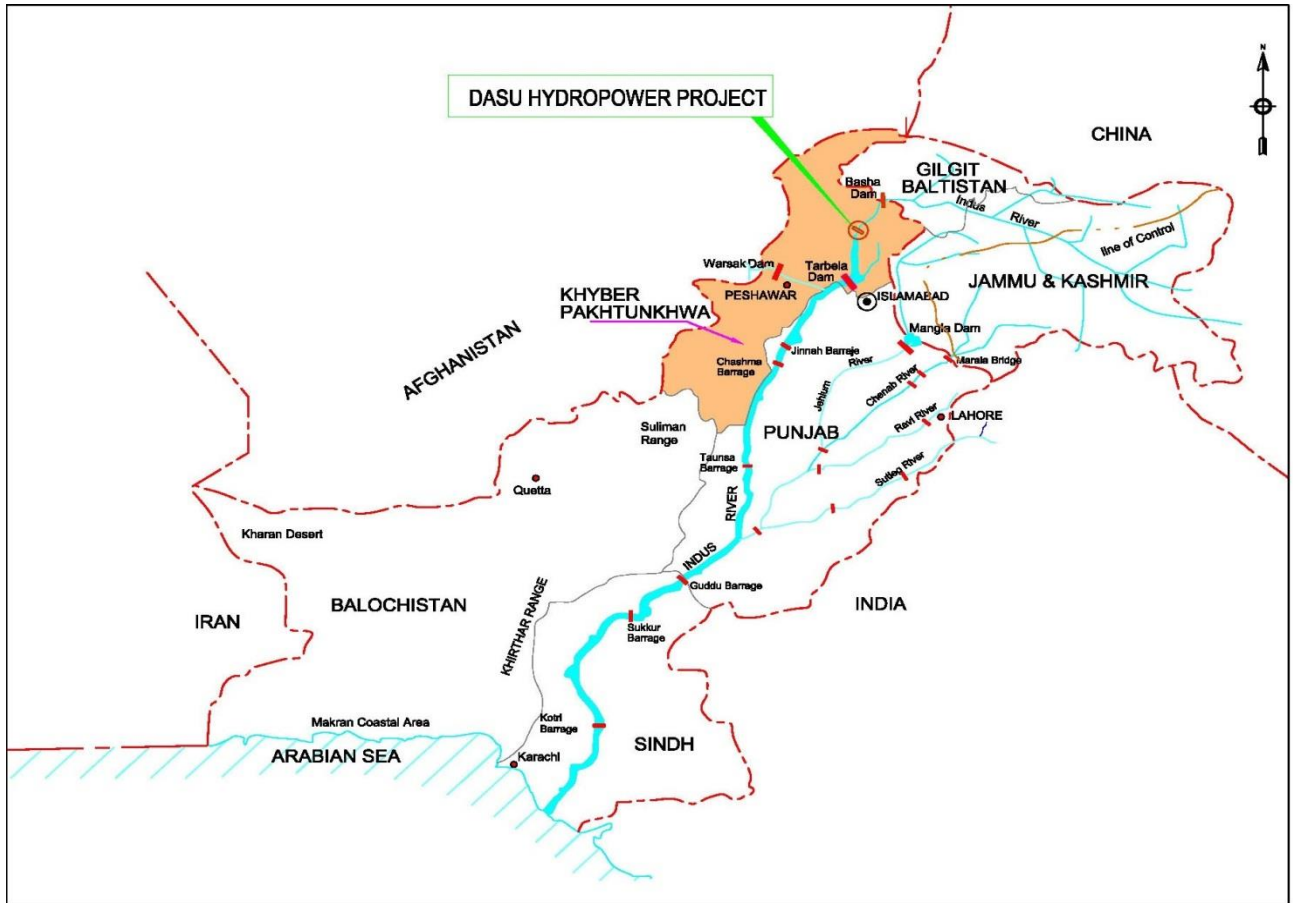
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## ABBREVIATIONS

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 x W x H	212 m (424 m) x 31 m x 62 m
- Transformer Cavern L x W x H	212 m (424 m) x 22 m x 33.5 m
- Maximum Gross Head under 12-unit operation	187.17 m
- Design Head	179.51 m
- Rated Discharge	1,335 m <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>	
- Access to Left Abutment of Dam Crest from Relocated KKH via Switchyard	2.4 km

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## 1 EXECUTIVE SUMMARY

This Monthly Progress Report (MPR) for the Consultancy Services for Dasu Hydropower Project (hereinafter called as the Project) describes the Consultants activities carried out during the month of May 2022.

### 1.1 Major Events

- (1) During May 2022, an amount of PKR 303,578,051/- was paid as compensation payment to 177 PAPs of 26 components. A total of 213 cheques were issued by DC office during the month of May.

At the end of May, a total amount of PKR 18.71 billion was paid, including PKR 18.37 billion to 7,354 PAPs through 10,953 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

- (2) Advisor WAPDA (Mr. Nasir Hanif) visited the site on the 12<sup>th</sup> and 13<sup>th</sup> of May 2022 for a progress review meeting to discuss major issues which could impact the progress of works.
- (3) Chairman WAPDA visited the site on 11<sup>th</sup> May 2022 for a progress review meeting to discuss major issues which could impact the progress of works.
- (4) During the month of May 2022 the Underground Powerhouse Cavern incurred Rock Fall Number V. This happened on the left side at Ch: 0 + 025.00 m. Date of Rock Fall Number V was on the 19<sup>th</sup> of May 2022.

### 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)

Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
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)
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 other 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 the program were planned to be phased over a period of twenty five years as shown in the following Table:

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

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

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

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

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

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

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

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

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

Facilities	Description	Stage I	Stage II
Dam	242m high dam 8 spillway with gates 9 LLO with gates 2 flushing tunnels with gates	Completion of all facilities listed in Description of Dam	
Power Intake & Tunnel	5 intake and shafts with 5 gates. 4 Power tunnel	5 intake and shafts with 2 gates 2 power tunnels	Another 2 gates 2 power tunnels

Facilities	Description	Stage I	Stage II
Underground Powerhouse Complex	Cavern for 12-unit GE space and installation of 12 GE units Cavern for 12-unit GIS space and installation of 12 GIS units 4 surge chambers 4 tailrace tunnels incl. these outlets. 4 bays with Control Building	Cavern for 7 unit GE space and installation of 6 GE units Cavern for 7-unit GIS space and installation of 6 GIS units two surge chambers Two tailrace tunnels incl. these outlets. two bays with Control Building	Cavern for 5-Unit GE space and installation of 6 GE units Cavern for 5-unit GIS space and installation of 6 GIS units two surge chambers, two tailrace tunnels two bays
T/L	765 kV T/L, 2 lines, double circuit	765kV 2 line, double circuit	
Installed Capacity	4,320 MW	2,160 MW	2,160 MW
Energy Production		12,225 GWh/year	18,432 GWh/year

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

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

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

### 3 CONSTRUCTION SUPERVISION CONSULTANTS ACTIVITY

#### 3.1 Contract for the Consultancy Services

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

The Contract agreement between WAPDA and the Consultants was signed on 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



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

### 3.2.4 Commencement of the Services

#### Assignment – A

The Consultants commenced the Services with effect from 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	751.77	13.67	765.44
Dolsar	520.96	301.28	7.46	308.74
Locals	8,950.44	5,102.73	82.47	5,185.20

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

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

Sr. No.	Place of Work	Technical Staff		Non-technical Staff	Total Staff
		Expatriate	Local		
1	Lahore Office	-	1	24	25
2	Head Office Dasu	25	91	233	349
<b>Grand Total</b>					<b>374</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. Juan Carlos Hernandez	Schedule & Analysis Specialist	04 <sup>th</sup> May 2022	NK
2	Mr. Naim Karaman	Deputy Project Manager	10 <sup>th</sup> May 2022	Dolsar
3	Mr. Hiroataka Koizumi	Construction Technical Advisor	16 <sup>th</sup> May 2022	NK
4	Mr. Batuhan Ozdemir	Resident Engineer Road Tunnel KKH-01, KKH-02	16 <sup>th</sup> May 2022	Dolsar
5	Mr. Takahito Naka	Chief Geologist	18 <sup>th</sup> May 2022	NK
6	Dr. Masud Karim	International Environmental Advisor-B / OHS Expert	23 <sup>rd</sup> May 2022	NK
7	Mr. Shuji Nakata	Chief Electrical Engineer	25 <sup>th</sup> May 2022	NK

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

Sr. No.	Name of Staff	Position/Designation	Date of Departure	Name of Firm
1.	Mr. Junichi Fukuwatari	Dam Design Specialist	03 <sup>rd</sup> May 2022	NK
2.	Mr. Birol Murat Erdolu	Construction Technical Advisor-1	10 <sup>th</sup> May 2022	Dolsar
3.	Mr. Serkan Harmandar	Tunnel Design Review Engineer	14 <sup>th</sup> May 2022	Dolsar
4.	Mr. Ali Murat Ozbek	Construction Technical Advisor-3	25 <sup>th</sup> May 2022	NK
5.	Mr. Takeki Kan	Resident Engineer (Infrastructure Development)	20 <sup>th</sup> May 2022	Dolsar

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

Sr. No.	Name of Staff	Position/Designation	Date of Joining	Name of Firm
1.	Mr. Mohsin Tariq	Sr. Contract Engineer	14 <sup>th</sup> May 2022	DMC
2.	Mr. Muhammad Javed	Sr. Geologist	11 <sup>th</sup> May 2022	NDC
3.	Mr. Muhammad Iqbal	Deputy Lead OHS	11 <sup>th</sup> May 2022	PES

**Table 3.7: Demobilization of DHC Local Technical Staff from Project**

Sr. No.	Name of Staff	Position/Designation	Date of Demobilization	Name of Firm
1.	-	-	-	-

### 3.4 Major Activities of Construction Supervision Consultants

#### 3.4.1 Construction Supervision

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

- i. Dasu-KKH-01
- ii. Dasu-RAR-01
- iii. Dasu-RAR-02
- iv. Dasu-TL-01
- v. Dasu-MW-01
- vi. Dasu-MW-02
- vii. Dasu-LBRV-11
- viii. Dasu-LBRV-12
- ix. Dasu-PCI-01R
- x. Dasu-RV
- xi. 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 conveyed the instructions of the Employer to release the balance payment due to completion of works to the Sub-contractor. [MW-01]
- The Engineer instructed the Contractor to ensure the presence of top management of the Contractor in the meetings with the Employer and the Consultants so that immediate decisions can be made. [MW-01 & MW-02]
- The Engineer asked the Contractor for complete evidence on the immediate shutdown of works on various parts of the site due to shortage of diesel, otherwise the matter would be considered as an internal matter of the Contractor and its suppliers. [MW-01 & 02]
- The Engineer advised the Contractor to provide details of its suppliers so the Employer may provide assistance in that matter. [MW-01 & MW-02].
- The Engineer notified the Contractor that any stoppage of Works due to lack of fuel will be considered as "Contractor's Delay" because the Contractor didn't provide any evidence justifying the Claim. [MW-01]
- The Engineer instructed the Contractor to release payment for the provision of helicopter services on 13<sup>th</sup> 20<sup>th</sup> & 22<sup>nd</sup> May 2022. [MW-01].
- The Engineer issued the instructions to the Contractor for the provision of vehicles. [MW-01 & MW-02]
- The Engineer conveyed the Employer's legal opinion on the provisional sum to the Contractor. [MW-01 & MW-02]

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

- The Engineer issued a Draft Variation (VO-004) regarding omission of sites under LBRV-11. [LBRV-11]
- The Engineer issued a Draft Variation (VO-002) regarding omission of sites under LBRV-12. [LBRV-12]
- The Engineer issued interim payment certificate No.11. [LBRV-11].
- The Engineer conveyed the approval of the Employer on the Engineer's determination on the Contractor's idle cost claim due to firing incident at Logro tunnel. [LBRV-11]
- The Engineer conveyed the approval of the Employer on the Engineer's determination on the Contractor's idle cost claim due to firing incident at Logro tunnel. [LBRV-12]

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

- The Engineer notified the Contractor about omission of non-handed over 08 units of category-4D and Adjacent road.
- The Engineer instructed the Contractor to arrange a meeting of the Contractor's higher management with the Employer and the Engineer after Eid at earliest.
- The Engineer issued interim payment certificate No.30
- The Engineer submitted his response regarding the Notice of Correction issued to the Contractor.
- The Engineer submitted his Comments on Notice to Correct to the Contractor and advised the approval of EOT.
- The Engineer responded to the Contractor's request to revise the cost estimate of HDPE water tanks on account of Market inflation (VO-006).

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

- The Engineer submitted his comments to the Employer on the selection of Dispute board members offered by the Contractor.
- The Engineer conveyed the proposal of sole member of dispute board to the Contractor suggested by the Employer
- The Engineer asked the Contractor for complete evidence on the immediate shutdown of works on various parts of the site due to shortage of diesel, otherwise the matter would be considered as an internal matter of the Contractor and its suppliers.
- The Engineer submitted his comments to the Employer on issuance of taking over certificate (TOC-02) for the parts of the works [K9 TO K12]
- The Engineer issued Variation Order-Safety measures for Girti causeway and construction of school barriers for madrassa religious school.
- The Engineer notified the Contractor about the absence of the authorized Contractor's Representative and submissions, signed by unauthorized persons.

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

- The Engineer submitted his comments to the Employer on the selection of Dispute board members offered by the Contractor.
- The Engineer conveyed the proposal of sole member of dispute board to the Contractor suggested by the Employer
- The Engineer notified the Contractor that any stoppage of Works due to lack of fuel will be considered as "Contractor's Delay" because the Contractor didn't provide any evidence justifying the Claim.

**f) Contract ICB No. DASU-RV:**

- The Project Manager gave his advice to the Employer on omission of works relating to non-handed over sites of Contract ICB No. DASU-RV
- The Engineer has certified the Contractor's Interim Payment Certificates No.11.

**g) Contract ICB No. TL-01**

- The Engineer conveyed the request of the Employer to the Contractor to arrange a meeting to conclude adjustment of balance foreign currency component of mobilization advance.
- The Engineer notified the Contractor about the absence of the authorized Contractor's Representative and submissions, signed by unauthorized persons.

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

- The Engineer responded to the Contractor's notice of delays and/or additional cost due to on-going war between Ukraine and Russia and stated that the Contractor is failed to mention any relevant clause to which the Contractor is entitled.
- The Engineer submitted his remarks to the Contractor on the subject of advance payment for local currency portion.
- The Engineer notified the Contractor about the absence of the authorized Contractor's Representative and submissions, signed by unauthorized persons.
- The Engineer submitted his remarks on the Contractor's claim pursuant to Sub-Clause 37.1(a) regarding notice of delays and additional cost due to on-going war between Ukraine and Russia.
- The Engineer responded to the Contractors demand of land handover for the site camp that, sufficient land has already been handed over to the Contractor for the site camp.
- The Engineer responded to the Contractor's claim for additional cost and time due to land handover, has no merit.
- The Engineer informed the Employer that the Contractor submitted the contents of amended advance payment guarantee and found that satisfactory. So advance payment may be released subject to submission of original amendment to the said guarantee.

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

- The Engineer notified the Contractor about the absence of the authorized Contractor's Representative and submissions, signed by unauthorized persons.
- The Engineer conveyed a revised draft of variation order VO-005-TUNNEL, BRIDGES AND CULVERTS to the Employer.
- The Engineer issued instructions to the Contractor to submit the performance security and proceed with the works required for VO-005.
- The Engineer submitted the drafts for performance security and advance payment guarantee to the Employer to review for approval.

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

- The Engineer submitted his remarks to the Employer on the provided options for candidates by the Contractor for the establishment of dispute board.

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

The major DHC activities undertaken during this month:

**a) KKH-01 Team**

**1) Major Activities**

- VO-005 Construction of seven (7) tunnels, three (3) Bridges, and two (2) Culvert has been signed on 14 May 2022.
- The Contractor requested the Engineer to coordinate with MW-01 Contractor to regarding interference between crushing plant construction by MW-01 Contractor and Uchar Bridge Foundation.
- The Contractor requested the Employer to arrange security personnel's and other required facilitations in order to commence K9 tunnel construction work.

**2) Working / Shop Drawings**

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
30-May-22	CCECC/DASU-KKH-01 22/RFA/OHS/235	resubmission detail X section at K1+318.75 to K1+506.25 on KKH-01		Under Review

**b) RAR-01 Team**

**1) Major Activities**

- Joint site visit for checking of local access excavation and progress at K11+600.
- Site visit to Komila bypass for checking of excavation activities and work progress.
- Joint site visit for checking and removing of houses located in ROW at Komila Bypass around between K1+300 to K1+675.
- Joint progress meeting with the Contractor and Employer for Komila bypass.
- Joint visit with Employer to Komila start section regarding slope protection.
- Letter issued to Employer for taking over certificate (TOC-02) for the part of the works from K9 to K12 dated April 27, 2022.
- Letter issued to Employer for stoppage of excavation work due to presence of Houses at K1+356 dated April 22, 2022.
- Letter issued to Contractor regarding suspension of work at Komila & RAR-01 dated April 22, 2022.
- Letter issued to Contractor regarding weekly Progress meeting dated May 10, 2022.
- Letter issued to Contractor regarding weekly meeting minutes RAR-01 & Komila Bypass dated May 18, 2022.
- Letter issued to Contractor regarding local concern for the school at start section of komila Bypass dated May 19, 2022.

**1) Working / Shop Drawings**

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
23-Apr-22	CCECC/DASU-komila by pass/RFDA/25	submission of retaining wall shop drawing from K1+488.25	23/Apr/2022	Approved Except as Noted
26-Apr-22	CCECC/DASU-komila by pass/RW/RFDA/41	Submission of Typical Detail for Crossing Pipes.	26/Apr/2022	Approved
26-Apr-22	CCECC/DASU-komila by pass/BC/RFDA/26	Submission of BBS for Box culvert At K1+334.38	26/Apr/2022	Approved Except as Noted
27-Apr-22	CCECC/DASU-komila by pass/BC/RFDA/27	submission of revised drawing BBS for culvert at K1+334.38	28-04-022	Approved Except as Noted
27-Apr-22	CCECC/DASU-komila by pass/BC/RFDA/28	submission of retaining wall BBS from K1+306.25 to K1+354.01	24/May/2022	Approved
15-May-22	CCECC/DASU-RAR-01/RFDA/40	submission of concrete pavement x-section & plan from K11+534.40 to K11+687.50	17/May/2022	Approved Except as Noted
18-May-22	CCECC/DASU-RAR-01/RFDA/41	Submission of Girti Cause way down stream Common Excavation Work done section 1. K0+000 To K0+130.59	18/May/2022	Returned as Noted
18-May-22	CCECC/DASU-RAR-01/VO/RFDA/44	Submission of water channel Slab RCC A1 Concrete Work Done 1. K7+568.75 to K7+589.05	18/May/2022	Approved Except as Noted
18-May-22	CCECC/DASU-RAR-01/VO/RFDA/43	Submission of Water Channel PCC A1 Concrete Work Done 1. K7+537.75 to K7+589.05 2. K8+933 to K9+003.125	19/May/2022	Approved
22-May-22	CCECC/DASU-komila by pass/BW/RFDA/28	Submission of Breast wall shop Drawing & BBS From K0+000 TO K0+212.50	23/May/2022	Revise and Resubmit
24-May-22	CCECC/DASU-komila by pass/BW/RFDA/28R	Submission of Breast wall Revised Shop Drawing & BBS From K0+000 To K0+212.50	24/May/2022	Approved
24-May-22	CCECC/DASU-komila by pass/BC/RFDA/29	Submission of Detail shop Drawings and Reinforcement Detail of Culvert At K1+334.38	01/June/2022	Approved

**c) KKH-02 & RAR-02 Team**

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

➤ **KKH-02 Team**

**1) Major Activities**

- Contractor commenced the Works of KKH-02 on May 15th, 2022.
- Excavation works from K28 kaigah access Roads and K37 access Road were started during the reporting month.
- Area for temporary spoil dumps has been identified and handed over to the Contractor during the reporting month.
- Construction drawings for Phase 2 of KKH-02, along with ROW, have been issued to the Contractor.
- Furnishing items for Engineer's office at Kaigah camp is also being finalized.
- Two new access roads at K 31 and K34 has been proposed by the Contractor and has been handed over.
- Request for removal of houses inside and below the KKH-02 has been forwarded to the Employer.
- Site visits jointly with WAPDA and Contractor for identification of alternate locations for temporary facilities.
- Instruction and drawings for Kaigah army camp has been issued to the Contractor for further Construction.
- Meetings conducted with the Contractor and the Employer to discuss the ROW hand over.

**2) Design Activities**

The following design activities are in progress.

- Prepared modified design (alignment, profile and cross section) as per joint NSL survey from K48+800 to K51+200.
- Prepared construction drawings from K39+800 to K44+100

➤ **RAR-02 Team**

**1) Major Activities**

- Checking blasting pattern submitted by the Contractor.
- Meeting and site visit with the Contractor for Candia 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) 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:**

- Issued the letter regarding RoW issues of Transmission Line and Grid Station.
- Issued the letter regarding notice to claim idle resources at Grid Station.
- Issued the letter regarding RoW issues at T-149 to T-150B (Sheikh Banda).
- Issued the letter regarding Power transformers at Barotha store.
- Issued the letter regarding No site activities after Eid Holidays.
- Issued the letter regarding trees assessment and compensation payment at T-130A.
- Issued the letter regarding schedule for inspection of tower material.
- Issued the letter regarding stealing of tower material from already erected towers.
- Issued the letter regarding No progress on tower erection and stringing.
- Issued the letter regarding samples of LED surface and tube lights of PCI-01R for approval.
- Issued the letter regarding approval of sample and data sheet of LED tube lights of PCI-01R.
- Review of Contractor's submission regarding request for manufacturer approval of M/s Mega Transformer and M/s AB ampere for the 200KVA and 400KVA Pad Mounted Transformer.

**2) Meetings:**

- Weekly Progress Review meeting with Contractor and Employer held on 11<sup>th</sup> May, 2022.
- Overall Progress Review meeting with Contractor and WAPDA Advisor on 13<sup>th</sup> May, 2022.

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

The major DHC activities undertaken during this month are:

**a) MW-01**

- The Contractor has 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 during this month.
- The Engineer is preparing Request for Proposal for VO about Diversion Tunnel Gates and for LU2 Permanent Road during the month of May.

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

Received Date	Letter/Reference Number	Title	Reply Date
19-May-22	CGGC/MW-01/RFDA/DHC-423	Layout Plan and Section of KASS Parking Platform-(D1)	
19-May-22	CGGC/MW-01/RFDA/DHC-424	Flushing Tunnel LB Traffic Diversion Scheme Plan and Profile Excavation-(D4)	
21-May-22	CGGC/MW-01/RFDA/DHC-425	Diversion Tunnel A&B Outlet Concrete Lining Outline Drawings-(D3)	
21-May-22	CGGC/MW-01/RFDA/DHC-426	Diversion Tunnel A Inlet Tunnel Part 2~4 Reinforcement Drawings-	

Received Date	Letter/Reference Number	Title	Reply Date
		(D3)(D4)(2)	
21-May-22	CGGC/MW-01/RFDA/DHC-427	Diversion Tunnel B Inlet Tunnel Part 3~4 Reinforcement Drawings-(D3)	
21-May-22	CGGC/MW-01/RFDA/DHC-428	Left Bank Traffic Diversion Tunnel Blasting Design of Type IV~V Section-(D1)	

**b) MW-02**

**1) General**

**- Delay on Submission of Third-Party Laboratories Test Results.MW-02.**

The Contractor was requested to provide the formal third-party Laboratories test result on time and in a systematic way as well as the test results shall be formally presented to The Engineer.

**- Provision of Cement Type III for Dasu HPP Project.MW-02.**

The Contractor was formally requested to find a reliable resource for the provision of cement Type III to utilize in the scope of DASU HPP.

**- Report on the Imminent Shutdown of Various Parts of the Site.MW-02**

The Engineer responded:

That there was no public announcement, nor mentioned in the paper or on television or radio of shortage of Diesel in Pakistan, therefore The Contractor should not only be required to provide evidence of such, but also the records of its daily consumption and the correspondence of the diesel supplier of such shortage to support Contractor's contention.

**- Unsafe and Unsupported Slopes within the Switchyard.MW-02**

The Contractor (CGGC) was instructed to rectify the current situation with immediate effect as per datum. Failure to rectify the works will be reflected within The Contractor (CGGC) Monthly submission of their IPC will have a clear reflection of this matter with payment as per Contract with relevant matters into account.

**- Unsafe and Unsupported Electric Cable with PH I-II Drain Tunnel-1 Submerged in Water.MW-02**

The Contractor (CGGC) was instructed to rectify the current situation with immediate effect as per datum. Failure to rectify the works will be reflected within The Contractor (CGGC) Monthly submission of their IPC will have a clear reflection of this matter with payment as per contract with relevant matters into account.

**- The Tailrace Access Adit CT2 Portal Development Works.MW-02**

The Contractor (CGGC) was instructed to rectify the current situation with immediate effect as per datum. Also The Contractor was informed that until such rectification of the Portal Development is Complete there will be no blasting works. Failure to rectify the works will be reflected within The Contractor (CGGC) Monthly submission of their IPC will have a clear reflection of this matter with a payment as per contract with relevant matters into account.

**- Power Intake Platform Protection Fence.MW-02**

It was strictly instructed that The Contractor Should follow his obligations for design of temporary structure/facilities as in the case of fence protection.

**- Provision of GI Sheet and Concrete Blocks at Tailrace Workstation Area.MW-02**

The Contractor was instructed to install GI blind sheet along the KKH (towards station side) to cover the area established at Tailrace site and place concrete block along the KKH (toward station side) in the entire vicinity to secure the area.

**- Engineer Comments on Method Statement Excavation and Support of Switchyard Compound (D4).MW-02**

The Switchyard Compound Method Statement was reviewed and considered as "Approved as Noted" by The Engineer.

**- Repairing Security Fence at CR9 and other Location.**

The Contractor was instructed to resolve the issue by performing immediate repair of fence within the completion time of 48 hrs.



- **Repairing security fence at CR2 and other locations.**

The Contractor was instructed to resolve the issue by performing immediate repair of fence within the completion time of 48 hrs.

**2) Review of Contractor's Working Drawings**

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

Letter Nos.	Title	EAC No.	Reply Date	Remarks
CGGC/MW-02/RFDA/DHC-390	Blasting Design of Surge Chamber Vault Access Tunnel Junction (D2)	EAC-22-019	11-May-22	
CGGC/MW-02/RFDA/DHC-391	Blasting Design of Underground Powerhouse Second Layer	EAC-22-018	11-May-22	
CGGC/MW-02/RFDA/DHC-388	Drawing of Tailrace Outlet Structure Excavation Above EL.780m (D4)	EAC-22-020	16-May-22	
CGGC/MW-02/RFDA/DHC-392	Intake Structure Excavation above EL.961.60 m (D1)	EAC-22-021	19-May-22	
CGGC/MW-02/RFDA/DHC-393	Switchyard Compound Excavation and Embankment Drawing (D1)	EAC-22-022	24-May-22	

**3) Issued Engineer Instruction**

The Engineer issued the following Site Instructions (SIs).

Location	Subject	EI No.	Issue Date
Transformer Cavern	Transformer Cavern I-II Recovery of Profile Ch.0+053-0+050	22-20	08/05/2022
CT2 Adit Tunnel	Tailrace access Adit CT2 Portal Development Work	22-21	08/05/2022
Powerhouse	Unsafe and Unsupported Electric Cable within PHI-II Drain Tunnel submerged in Water	22-22	08/05/2022
Switchyard	Unsafe and Unsupported Slope within the Switchyard	22-23	08/05/2022
CT2 Adit Tunnel	Adit Tunnel CT2 for Tailrace tunnel No.1 & No.2 Portal support measures prior to next half section advancement.	22-24	18/05/2022

**4) NCR Issued by Engineer**

The Engineer issued the following NCR.

Location	Subject	NCR No.	Issue Date
Nil	Nil	Nil	Nil

**3.4.6 Generating Equipment Section (EM-01)**

The major activities undertaken during this month were:

- Coordination meeting with EM-01 Contractor  
Meeting with DHC and the Contractor (EM-01) was held on May 13 2022 for countermeasure of alternative stockyard for 1<sup>st</sup> shipment. GE-PC has schedule to ship the anchorage material of draft tube around July 2022. However, at present, no space is available at his base camp, which is still under construction. At this meeting, WAPDA has proposed alternative storage yard at Ghazi Barotha, Dubair Hydro and Besham.
- Coordination meeting with NTDC  
Coordination meeting with NTDC for discussion on the 765kV dead end tower position and outgoing line direction at Take-off switchyard on May 20, 2022. NTDC team investigated the transmission line routes and dead-end tower position of which direction is perpendicular direction against the 765kV gantry tower. However, the foundation level of dead-end tower is about 40m higher than the take-off ground level of EL.920.00. In this arrangement, insulator springing angel at setting position is too sharp of which condition will not kept insulation clearance between ground and phases. NTDC asked the DHC will restudy the position of the dead-end tower positions and direction of outgoing line with right 90-degree rotation. DHC will check the site condition and possibility of rotating the gantry tower.
- Supervision of Base Camp Contraction  
The design drawing of base camp such and land formation, boundary fence and layout of the base building have been checked and commented.
- 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. 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
24-Jan-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0027	Submission Excitation system Basic design drawing for approval	10-May-22	
21-Feb-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0045	Reply for Detail design drawings of Lower Pit Liner submission for approval	18-May-22	
24-Feb-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0048	Detail design drawings of Head Cover, Bottom Ring, Guide Vane and Operating Ring submission for approval	17-May-22	
24-Feb-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0050	Dasu Generator Upper Bracket, Lower Bracket, lower bracket foundation for Approval	10-May-22	
23-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0053	Reply to DHC Letter No.22-008-Claim for the Additional Cost and Time due to Land Handing Over	10-May-22	
03-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0057	Reply the letter sn/22-021 about the Supplier of Governor system	19-May-22	
08-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0062	Detail design drawings of Distributor assembly and Shaft Seal submission for approval	20-May-22	
09-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0065	Reminder for Dasu Painting Colors Proposed of Equipment for Customer Approval	23-May-22	
11-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0074	Delayed Approval for List of Contractor's Technical Drawings	10-May-22	
16-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0077	Revised Auxiliary Mechanical Diagrams and Calculations for Approval	11-May-22	
16-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0078	Revised Schematic Diagram and Calculation of Transformer Oil Handling System	11-May-22	
25-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0081	Submission of the Proposal Solution for Auto Silt Monitoring System	19-May-22	
19-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0082	"Reminder for Dasu Generator Upper Bracket, Lower Bracket, lower bracket foundation for Approval	10-May-22	
14-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0105	Re-Submission of Governor System Hydraulic Diagram	21-May-22	
14-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0107	Interim Claim of Extension of Time for Completion and Cost due to Delayed Handover of Camp Area (No. EM-01/C-02)	10-May-22	
20-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0123	Request to Provide Security Forces to the Temporary Residence of EM-01	30-May-22	
23-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0126	Submission of Side Boundary Wall of EM-01 Camp for approval	31-May-22	
08-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0128	Dasu Site Camp Land Handover	09-May-22	
28-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0136	Reminder Auto Silt monitoring system and require the river sediment samples	19-May-22	
29-Apr-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0138	Delayed Approval for Contractor's Drawings of Generator Upper Bracket, Lower Bracket, lower bracket foundation	10-May-22	
01-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0143	Notice of Delay and/or Additional Cost due to On-going War Between Ukraine and Russia	06-May-22	
09-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0145	Notice of Additional Cost Due to Change in Laws and Regulations under Contract	24-May-22	
16-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0158	Turbine Instrument P&ID as built submission for Approval & Stamp	17-May-22	
13-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0159	Delayed Approval for Contractor's Drawings of Distributor Head Cover, Bottom Ring, Guide Vane and Operating Ring for Approval	17-May-22	
16-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0161	Delayed Approval for Contractor's Drawings of Lower Pit liner GA for Approval	18-May-22	
16-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0162	Delayed Approval for Contractor's Drawings of Distributor assembly and Shaft Seal for Approval	20-May-22	
23-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0166	Contractor's Representative	24-May-22	
17-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0167	GE reply for 061-08.04.22-Rotor Spider Assembly and Stator Foundation for Approval	27-May-22	
18-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0169	Submission of Boundary Wall Design of the Contractor's Camp	30-May-22	
23-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0174	Request to Provide Security Forces to the Temporary Residence of the Contractor	24-May-22	
24-May-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0175	Submission of Retaining Wall Drawing and Design Calculation	30-May-22	

### 3.4.7 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 instructed the Contractor to close OHS NCR on 22<sup>nd</sup> April 2022.
- The Engineer responded to the Contractor regarding the Draft Variation (VO-004) Omission of Sites under LBRV-11 on 25<sup>th</sup> April 2022.
- The Engineer issued the Interim Payment Certificate No.11.LBRV-11 on 27<sup>th</sup> April 2022.
- The Engineer instructed the Contractor to repair the Surveillance Camera at uchar Camp on 25<sup>th</sup> April 2022.
- The Engineer issued reply letter to the Contractor regarding the Idle Cost Claim Due to Firing Incident at Logro Tunnel.LBRV-11 on 14<sup>th</sup> May 2022.
- The Engineer requested the Contractor to provide the Updated Schedule for Remaining Works.LBRV-11 on 18<sup>th</sup> May 2022.
- The Engineer responded to the Contractor regarding the Cost Claim for Extended Project Guarantees and Insurance - An interim Claim under Non-Possession of Site (Claim No. LBRV-11-C-11) on 20<sup>th</sup> May 2022.
- The Engineer instructed the Contractor to complete the case of Omission of Work Related to Non-Handed over Sites dated 23<sup>rd</sup> May 2022.

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

**b) LBRV-12**

- The Engineer verified and issued Interim Payment Certificate No.8.LBRV-12 on 23<sup>rd</sup> April 2022.
- The Engineer submitted the Draft Variation (VO-002) Regarding Omission of Sites under LBRB-12 on 25<sup>th</sup> April 2022 to the Employer for his review.
- The Engineer responded the Contractor regarding the Idle Cost Claim Due to Firing Incident at Logro Tunnel.LBRV-12 on 14<sup>th</sup> may 2022.
- The Engineer requested the Contractor to provide the Updated Schedule for Remaining Works.LBRV-12 on 18<sup>th</sup> May 2022.
- The Engineer responded the Contractor regarding the Omission of Work Related to Non-Handed over Sites on 25<sup>th</sup> may 2022.

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
5-Mar	ZEG/DASU-LBRV-12 NASIRABAD 02/SD/RFDA/026	Submission of the shop drawing for the internal water supply of mosque of Nasirabad site 2	8/5/2022	Approved
7-Mar	ZEG/DASU-LBRV-12 NASIRABAD 01/SD/RFDA/44	Submission of the shop drawing for the water supply Nasirabad site 1	8/5/2022	Approved
15-Apr	ZEG/DASU-LBRV-12 NASIRABAD 01/SD/RFDA/45	Submission of the bar bending schedule for the mosque of nasirabad site 1	7/5/2022	Approved
16-Apr	ZEG/DASU-LBRV-12 NASIRABAD 02/SD/RFDA/027	Submission of the shop drawing for the slope protection of 1st and 2nd terrace of Nasirabad site 02	16-04-2022	Approved
20-May	ZEG/DASU-LBRV-12 NASIRABAD 01/SD/RFDA/046	Submission of the shop drawing of retaining wall T3 RW-4 at Third Terrace of Nasirabad Site-1	22-05-2022	Approved

**c) RV**

- No letter has been sent to KGL in May.
- No working drawings were submitted by the Contractor in May 2022.

**d) Project Colony – PCI-01R**

- The Engineer verified and issued the Interim Payment Certificate No.30 on 15<sup>th</sup> may 2022.
- The Engineer issued Notice of Correct on 16<sup>th</sup> may 2022.
- The Engineer responded the Contractor regarding the Extension of Time and Notice to Correct on 17<sup>th</sup> may 2022.
- The Engineer responded the Contractor regarding the Poor Paint work Colony Buildings dated 18<sup>th</sup> may 2022.
- The Engineer responded the Contractor regarding the Request for Proposal of Variation Order and design for cable tray at WAPDA Project Office on 18<sup>th</sup> may 2022.
- The Engineer responded the Contractor regarding the revise the cost estimate of HOPE Water Tanks due to market inflation (VO-006) on 19<sup>th</sup> may 2022.

- The Engineer approved the sample of Laminated Sheet for inside Area of the Under Kitchen Counter Slab for Project Colony on 21<sup>th</sup> may 2022.
- The Engineer Responded the Contractor regarding inquiry of V0-011 dated 21<sup>th</sup> may 2022.
- The Engineer responded to the Contractor regarding the Notice of Unreasonable Weightage Coefficient for Price Adjustment on 23<sup>th</sup> may 2022.
- The Engineer responded to the Contractor regarding the Non-Compliance in Paint Work for Colony Buildings on 24<sup>th</sup> may 2022.
- The Engineer responded the Contractor regarding the submission of samples of LED Surface and Tube Lights for approval on 23<sup>th</sup> may 2022.
- The Engineer responded to the Contractor regarding the samples and data sheets of LED Tube Lights for approval on 23<sup>th</sup> may 2022.
- The Engineer responded the Contractor regarding the manufacturer approval for the 200 KVA and 400 kVA Pad Mounted Transformer dated 23<sup>th</sup> may 2022.
- The Engineer responded to the Contractor regarding V0-006- Providing & Installation of HOPE Overhead Water Tank on Roof of Each Colony Building on 25<sup>th</sup> may 2022.
- The Engineer responded regarding the Supply and Installation of 20mm dia uPVC Pipe for A-C Water Drainage dated 25<sup>th</sup> may 2022
- The Engineer approved the Color Cards for Selection of Paint from Nippon Paint Manufacturer for Residence Category-3 Exterior and Interior-PCI-01R DT: 26<sup>th</sup> may 2022.
- The Engineer issued Instructions of the regarding the Paint Work of Colony Buildings on 26<sup>th</sup> may 2022.

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
20-Apr	CGICOP/DASU/PCI-01R/RFDA/608	Submission of the shop drawing for the layout of the S03 road with the side drain of the road finishing layers.	12-May	Approved Except As Noted
22-Apr	CGICOP/DASU/PCI-01R/RFDA/609	Submission of the bar bending Schedule for cat-2 boundary wall	24-May	Approved Except As Noted
23-Apr	CGICOP/DASU/PCI-01R/RFDA/606 Rev.01	Submission of the shop drawing for the layout of the revised S10 road due to change in design along with the side drain of the road finished layers	12-May	Approved
23-Apr	CGICOP/DASU/PCI-01R/RFDA/607 Rev.01	Submission of the shop drawing for the layout of the revised S19 road due to change in design along with the side drain of the road finished layers	12-May	Approved
28-Apr	CGICOP/DASU/PCI-01R/RFDA/610	Submission of shop drawing for the layout of MS pipe stair railing for the residence cat-1	7-May	Approved Except As Noted
14-May	CGICOP/DASU/PCI-01R/RFDA/603-Rev.01	Submission of the bar bending schedule for the reinforcement of boundary walls column for the res cat 1	16-May	Approved
14-May	CGICOP/DASU/PCI-01R/RFDA/611	Submission of the shop drawing for the layout of lighting arrestor at the top of the mumty roof of the wapda project office building	18-May	Approved
16-May	CGICOP/DASU/PCI-01R/RFDA/612	Submission of the bar bending schedule for the outer side drain of the wapda project office building	25-May	Approved Except As Noted
21-May	CGICOP/DASU/PCI-01R/RFDA/613	Submission of shop drawing for the Additional backside windows for the washroom at both side of the wapda project office	23-May	Approved Except As Noted

### 3.4.8 Environment Management Section

#### 1. Overall activities

##### i) Solid Waste Disposal Area

Detailed visits were conducted by the DHC Teams from Environment, Geology and Survey in order to confirm the Environmental suitability, topographic Survey and geological assessment of the new identified Kaigah SWM land in May 2022. The geology section prepared a preliminary report of the newly identified site at Kaigah near Nasirabad. Geologist recommended the site with some conditions which were forwarded to the design team. After approval of the site from WAPDA the designers are working on the design of the solid waste management site.

##### ii) Sharing of Quarterly Environmental progress report format

The new format for quarterly environment progress report has been developed and shared with WAPDA with actual data for 1<sup>st</sup> quarter of 2022, for their input and suggestions before final adoption.

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

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

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

- i. DHC reviewed Monthly Progress Report for KKH-01 and RAR-01 of the previous month of April 2022.
- ii. Environmental site supervision at Zero Point and Khoshe Site of KKH-01, Komila bypass and K4 site of RAR-01 was continuously conducted during the reporting month. Various non-compliances, such as oil spillage and improper water sprinkling operation, were observed and DHC instructed the Contractor to rectify the non-compliances.
- iii. The monthly environmental progress review meeting was conducted on 28<sup>th</sup> May 2022. The contractor agreed to enhance their water sprinkling capacity by hiring new water bowsers on KKH side.

### **2.2. RAR-02**

- i. The Engineer supervised excavation activity at K13+280 on 25<sup>th</sup> May 2022. The spoil was dumped down the slope by the contractor which produced huge amount of fugitive dust. The Contractor was instructed to arrange water sprinkler to suppress the dust. In this regard a written instruction was sent to the Contractor but the non-compliance of dust nuisance is still continued. In this regard an NCR was issued to the contractor in April 2022 to rectify the non-compliance immediately.
- ii. There was a progress review meeting held with project manager of RAR-02 component as well as Director EHS of CGGC on 28<sup>th</sup> of May 2022. The Contractor was instructed to use water bowser for water sprinkling because as per the current progress the road is enough for a bowser to be on the spot or a long pipe may be used for water sprinkling. Also the project manager RAR-02 was asked to engage a dedicated environment manager as proposed in the contract to look after the environmental matters. The contractor was instructed to ensure haulage of the spoil to designated spoil disposal area instead of rolling along the slope.

### **2.3. 132 kV Transmission Line**

- i. Environmental supervision for the grid station site has been conducted during the month. DHC instructed the Contractor to provide training to his staff for EMAP implementation ECPs like Solid Waste Management (SWM), Oil Spills, housekeeping and protection of flora and fauna.
- ii. The monthly environmental progress review meeting was conducted on 27<sup>th</sup> May 2022. The Contractor was instructed to remove oil spills on grid station site, prepare the newly acquired E&M Camp as per ECPs, maintain good housekeeping at site, and ensure water sprinkling on allocated portion of road.

### **2.4. MW-01 and MW-02**

- i. DHC reviewed the Contractor's Monthly Environmental Reports of MW-01 and MW-02 during subject month.
- ii. A letter was sent to the Contractor to mobilize the consultants for air dispersion modelling of the proposed new site of Seo crusher plant which is about 100m upstream of previous site.
- iii. Supervision of the monthly spot environmental monitoring at MW-01 and MW-02 were conducted on 17<sup>th</sup> & 18<sup>th</sup> of May 2022. All other parameters (Turbidity, Dissolved oxygen, conductivity and temperature) for wastewater were satisfactory except pH value. The value exceeded in most of the sedimentation tanks i.e. At CR-02 sedimentation Tank (Batching Plant) was 10.9, at 9.2 pH at Adit-01 sedimentation pond was 10.9, at the outlet of sedimentation tank of MAT was pH 10.6. No Monitoring was conducted at the sedimentation tank of Uchar crush plant because all the three chambers as well as the surrounding was full of sludge,
- iv. Environmental progress review meeting of MW-01&02 works was conducted on 28<sup>th</sup> May 2022. Issues like oil spills and their removal, frequent water sprinkling at construction sites, good housekeeping, hiring of separate Environmental Manager for each contract as per the contract agreement were discussed during the meeting.

## **2.5. LBRV-11 and LBRV-12**

- i. Walk-through environmental inspections at construction sites were conducted on 21<sup>st</sup> May 2022. Based on the observations, sent a walk-through environmental inspection report No.18 to the Contractor for rectification of the environmental non-compliance. The main non-compliance was Oil spillages, improper placement of fuel drums at site, scattered waste and absence of waste bins at site and dust.
- ii. Environmental progress review meeting of LBRV-11 and LBRV-12 was conducted 28<sup>th</sup> May 2022. The contractor was directed to ensure water sprinkling on the site, which they have been neglecting from quite some time. The Contractor failed to show the approval for fuel storage from relevant government department.

## **2.6. PCI-01R**

- i. Walk-through environmental inspection for PCI-01 construction site was conducted on 24<sup>th</sup> May 2022. Based on the observations, DHC prepared a walk-through environmental inspection report No.30 and shared with the Contractor to rectify the non-compliance of the waste management issue i.e., Oil spill, Improper placement of fuel drums, use of wood fuel for cooking purposes at the labour camp and poor housekeeping.
- ii. Environmental progress review meeting was conducted on 28<sup>th</sup> May 2022. The status of the meeting will be updated in the next monthly report. The Contractor was instructed to submit an environmental incident report on oil spill near the crush plant of PC-01. Contractor failed to show the License for fuel storage again.

### **3.4.9 OHS Management Section**

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

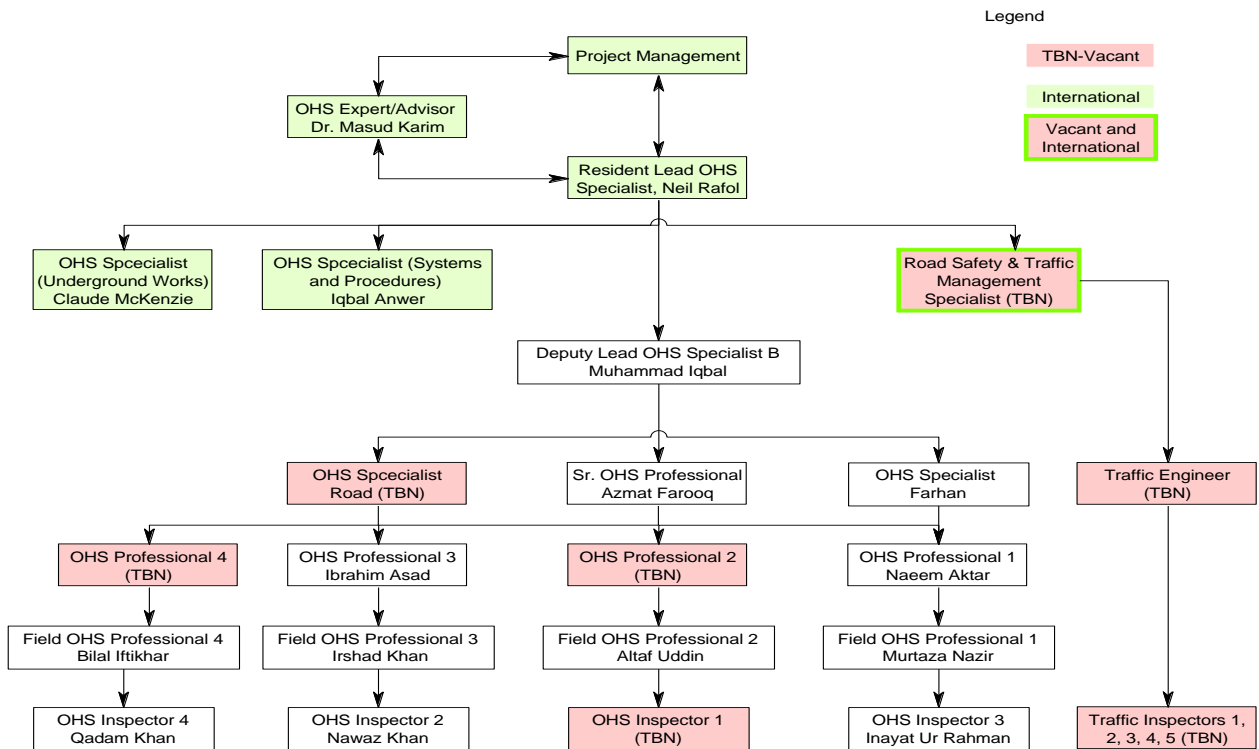
1. Enhanced OHS supervision of all Contractors work activities;
2. Implementation of gap analysis tool for underground works;
3. Advise Contractors in the finalization of an effective OHSMP in compliance with additional provisions in EMAP;
4. Finalization of Project level Emergency Response and Preparedness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

The field OHS staffing of DHC in this month are thirteen (13) persons supported by one International OHS Advisor/Expert. The following field staffs were available with OHS section in this reporting month:

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

During the reporting month, one deputy lead OHS, one field OHS Professional joined DHC and one field inspector promoted to field OHS professional position. Remaining three assistant inspectors promoted to Inspectors (G-2) position. Now, all the positions of field OHS professional positions are filled in DHC.

Figure below presents the organization chart of DHC OHS section. A number of positions are vacant.



Please see Section 6 for OHS Management of the Project performed by The Engineer during the reporting month of April 2022.

### 3.4.10 Social & Resettlement Management Section

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

Work on SRMP implementation continued during the reporting month (May 2022). Major activities carried out by various S&R teams during the reporting month are summarized below, while details of activities carried out under each section are given in Chapter-7.

#### 1. Land Acquisition and GIS Teams performed the following tasks;

- i. Land Acquisition Team continued assisting WAPDA as well as the Office of Deputy Commissioner / Land Acquisition Collector in the process of acquiring remaining land. The team extended its support to Land Acquisition Cell (LAC) for assisting Sub Registrar in completion of documents for private registration deeds to acquire land of the remaining components of New Batch 5.
- ii. Land acquisition formalities for the remaining land under Batch-5 - new Batch (mainly additional land of KKH-01) remained under process for which revenue records have been prepared, GIS Verification for most of the components completed, and Land Acquisition process is underway.
- iii. As per updated status of Land Acquisition obtained from the Land Acquisition Section under Land Acquisition Collector / Deputy Commissioner's Office, Dasu, Kohistan Upper, a total land of about 4,558 acres of land has been awarded / acquired until May 2022. No new land was acquired during the reporting month (May 2022).
- iv. LA & GIS Teams worked to prepare all required documents and verified revenue records and cost assessments of on-going components. The team digitized received revenue record, helped revenue team in record rectification, and submitted the rectified record to GIS team for verification.

- v. Rectified and New Revenue records of 08 components were received for GIS verification during the reporting month. These records were digitized and processed for GIS verification (by LA Teams of WAPDA & DHC) during the reporting month.
- vi. The GIS Team processed and submitted GIS verification of 05 components during the reporting month.
- vii. The LA Team also verified cost assessments of 13 components and submitted to WAPDA for transfer of compensation funds in DC/LAC account;
- viii. The team assisted LAC team in paying compensation money to the PAPs. An amount of Rs. 303,578,051/- was paid as compensation payment to 177 PAPs of 26 components. during the reporting month (May 2022),
- ix. The payment of land leasing of Kass area remained in progress. An amount of Rs. 506,765,499/- has been paid to 249 Beneficiaries of various Kass Areas by the end of reporting month (May 2022). Further cheque was not paid during May 2022. The area of Kass File-2 has been taken over by WAPDA after full payment and all houses have been demolished, while majority of the houses in Kass Area-01 (File-01) and Kass Area-02 have also been taken over by WAPDA.
- x. During the reporting month, no new Section-4 was prepared and submitted to WAPDA for further process.
- xi. Revenue survey of components under rationalization (Batch-V) has almost been completed. The revenue survey of seven components of new additional land demanded by KKH-01 team in different areas for tunnels and bridges has also been completed. The "Partal"/Verification remained in progress.

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

- i. Resettlement Team followed up for the relocation of households for priority components, mainly the community of Barseen and Kass Villages. In this regard, follow up visits were made to Barseen and Kass and meetings held with the AHHs in DHC Office. The relocation of majority of the houses has been completed while the relocation of HHs of Barseen yet not started. Notices were prepared and served to the AHHs of Barseen for the completion of SMR file documents and early relocation of houses.
- ii. The team also remained involved in preparing TRP files and assist WAPDA to pay TRP to the AHHs. By the end of May 2022, a total amount of PKR 72,289,875/- has been paid as TRP to 288 AHHs of 13 components. In addition to HHs, PKR 33,899,220/- were paid to the owners of 43 commercial structures of Khushi, Sigloo, Tailrace Kuz Chuchang, and Barseen Area.
- iii. The S&R and consultation teams supported contractors and Infrastructure teams in resolving issues during the reporting month (Khushi-1, Khushi-2, Nasirabad-1 Nasirabad-2, Chuchang-1, and Chuchang-4). The sites were visited to resolve the emerging social issues during the reporting month.
- iv. By May 2022, an amount of Rs. 398 Million have been paid as ESMR allowance to 115 Affected Households.
- v. File preparation work remained in progress. The SMR Working Team remained engage in preparing the remaining files of priority villages during the reporting month.
- vi. By the end of reporting month (May 2022), the Working Committee has finalized and forwarded 805 files to the Field Verification Committee while Field Verification Committee has completed the verification of 378 files by the end of the reporting month.
- vii. The S&R teams also kept engage in revising the files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC).
- viii. A series of meetings were conducted with the Deputy Commissioner (Kohistan Upper) during the reporting month regarding the progress of SMR files preparation and payments.
- ix. The Public Consultation Team assisted R&R team and LADP teams in community consultations regarding resettlement sites (Khushi 1&2, Nasirabad 1&2, and Dhaat 1), LADP schemes, and resolving day-to-day social issues.



- x. The ILRP team remained involve in conducting survey for the “Utilization of Compensation Money” Reports to get the feedback of the Affected Persons for the utilization of received compensation money. So far 11 reports covering 25 components (where compensation payments completed) have been finalized and submitted to WAPDA. The survey of Sigloo village has been completed and preparation of report is in progress while the survey of “Seer Gayal, Barseen, and Sluch villages,” remained in progress during the reporting month
- xi. The ILRP also assisted R&R and Public Consultation Team in finalizing TRP cases and consultation with the communities regarding TRP as well as estimation of project allowances for disbursements of payments.

**3. Social Development Team (Public Health & Gender Teams, In-Migrant Management (IMM) Team, and Downstream Impact Management (DIM) Team, Communication Team, GRC Team) performed the following Tasks;**

- i. The case for the purchase of two ambulances for health department Kohistan (upper) has approved by the Authority in its meeting held on November 18, 2021. Total Budget is 20 Million PKR.
- ii. The case of procurement of machinery for TMA Dasu Kohistan for solid waste management is in final stage .The tendering is under process with contract Section.
- iii. The new Gender Specialists joined DHC office during the first week of April 2022 and started working on the discontinued proposals & tasks. She reviewed the already developed Skill Development Proposal and incorporated some missing features in order to make the project effective and practical,
- iv. The Communication Team remained engage in public dealing and sharing information regarding Dasu HPP with local community and general public through Public Information Centre (PIC) continued.
- v. Distribution of already published information material continued among the affected communities in the project area.
- vi. The IGRC team updated the GRC status for the month and carried out meetings for resolving the pending complaints,
- vii. The IMM team organized workforce data received from all contractors and other stakeholders. A total 3,292 workers were recorded working with the contractor and other organizations under DHPP by the end of reporting period.
- viii. The Individual Consultant revised the Baseline Report as per comments of the World Bank and WAPDA. The hard and soft copies of the report were submitted and this short individual consultancy contract has been completed.

**4. Monitoring & Evaluation (M&E) and MIS Development Teams performed the following tasks**

- i. M&E Team also supported LA and R&R Teams in monitoring of compensation payments (in DC Office) and TRP allowances disbursement (in WAPDA).
- ii. The M&E team organized compensation payment and TRP data and prepared updated status. The team also remained involve to keep record of Kass Land Leasing which remained in progress during the reporting month.
- iii. The M&E team also supported MIS team in the development and upgradation of on-going modules for finalizing input and output formats. The team mainly worked on SMR sub-module for developing input and output formats.
- iv. The MIS Team mainly worked on the development of “SMR Module” and “Upgradation of the Web Portal”. About 70 % of MIS Development work has been completed by May 2022. The team remained engaged in upgrading the already developed modules and no new module was developed during the reporting month.

**3.4.11 Others**

**a) Schedule, Monitoring and Costing Section**

- i. Meeting and discussions with PCCC Contractor regarding the revision in the updated schedule for an interim EoT-04 claim report for TL-01 in progress. The Contractor has revised the EoT claim report and the Project Manager is analyzing it.

- ii. The Contractor CCECC submitted his revised 4<sup>th</sup> Extension of Time (EoT-4) claim for the Engineer's assessment. However, there were shortcomings in the Contractor's schedule and report. Therefore, the Engineer after a detailed examination shared his comments and asked the Contractor to conduct a joint meeting for his guidance to and resolve the schedule-related issues on priority.
- iii. Examined the Contractor's updated schedule R4D11 of MW-01 and shared the major shortcomings with the Contractor.
- iv. Examined the Contractor's updated schedule R5D10 of MW-02 and shared the major shortcomings with the Contractor.
- v. Reminders to the Contractors of PCI-01R, RAR-01, RAR-02, TL-01, KKH-01, KKH-02, and EM -01 contract regarding the submission of updated resources loaded schedules.
- vi. Prepared presentations for the Chairman WAPDA and Advisor Projects WAPDA regarding the progress review of the Dasu Hydropower Project.
- vii. Updated graphs for the number of vehicles based on the procurement of materials for the Dasu Hydropower Project. Prepared presentation and overall integration for the traffic management plan.
- viii. The Contractor's 2<sup>nd</sup> EoT of MW-02 has been examined, and the Contractor has been requested to provide supporting documents for our appropriate assessment.
- ix. Updated charts, graphs, and layout plans for PC-1 revision and compile the report for the Employer.
- x. Financial quarterly-wise projections of all contracts were reviewed and adjusted according to the Wapda Financial Advisor in Lahore Office.
- xi. Preparation and submission of various periodical reports, presentations, and updates.

**b) Laboratory and Quality Assurance Section**

- i. **QA/QC-related correspondences:** The correspondences coming from all Dasu Contractors (CGGC, CCECC, CGICOP, KGL and Power China) and WAPDA are being reviewed and responded. The issued AFIs (Availability for Inspection) by the Contractors are being controlled and when required commented; and also letters are being prepared and sent to the Contractors related to the QA/QC issues observed at the Site. Intersection meetings and have been held with other parts of DHC regarding Technical Specifications to clarify some design parameters and make a basic platform for QA/QC test methods. The proposed Quality Management Plan for KK-02 and RAR-02 are being reviewed in May.
- ii. **Approval of the material sources and manufacturers:** The documents and certificates being submitted by the Contractors are being reviewed and commented on. In the scope of MW-01&MW-02, Evaluation of proposed STANDARD SAND Source, Continuation of Fauji Cement factory production certificates evaluation, Laboratory test trails on proposed Bestway Early Strength cement for Tendons Grout Mix Design in the scope of MW-01&MW-02, are being performed. JIANSHANG PLASTIC Industry has been conditionally approved for KKH-01 work. Block production in line in KGL also has been proposed in the scope of LADP-JMK work. The approved SOBUTE Manufacturer for admixture based on laboratory and site trials get final approval as an alternative source of admixture in the scope of Main Works.
- iii. **Smart Quality Control Test Results Database:** The database is regularly being prepared including aggregates, cement, admixtures, reinforcement, Concrete, Mortar, Shotcrete, Grout and etc., is also in progress for all Dasu Projects. Gathering and Evaluating data regarding CR2 and CR9 Batching Plants print outs and Daily summaries. The UCHAR Crushing Plant daily production active time is also being monitored (MW-01&MW-02).
- iv. **Sampling and Testing of Fresh Construction Products:** In order to determine the compressive strengths, workability, density of the produced concrete, shotcrete, grout, and mortar mixes; sampling and testing are continuing on a regular base, according to the Technical Specifications for all Dasu Projects. In particular, inlet structure and invert concrete of diversion tunnels were still the major activity in May, in the scope of MW-01&MW-02 works. There were few related activities in Colony and other Dasu HEPP projects.

- v. **Field Tests:** In the scope of MW-01&MW-02 rock bolt and dowels, regular-based pull-out tests are being performed in May. Also Tensioning of “Tensioned rock Bolts” with certain Working load are continuously being performed in the Powerhouse cavern (MW-02). The field trial of the proposed concrete mix design with maximum site aggregate of 50 mm has been tested at the site.
- vi. **Iterative Tests:** The frequent quality control and assurance tests, according to the each contract Technical Specifications of all Dasu Projects are routinely being performed. Quality Control Tests on the fine and coarse aggregates, cement, fresh and hard concrete and etc. are regularly in progress. Comprehensive sampling from different consigned and existing material has been taken and submitted to the third party laboratories.
- vii. **Follow-up, Review, and Evaluation:** Monitoring and evaluation of test results according to technical specifications is in progress for all contractors in the scope of Dasu project. Petrographic analysis and Alkali Silica Reactivity 3<sup>rd</sup> party laboratory test results have been evaluated in the scope of Main works. Besides the regular data assessment, evaluating the batching plants print outs batch by batch, are being performed in the scope of the main works. On this matter, the local DHC inspectors are being trained by the senior Engineers to systematically follow up and control the productions (Concrete, Shotcrete, and Mortar) quantity and quality.
- viii. **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, admixtures are continuing at the Site Laboratories or partly at the 3<sup>rd</sup> party laboratories. The test results have been reviewed and evaluated and consequently relevant actions have been taken. In the scope of MW-01&MW-02 works, taken Rock, aggregates (for petrographic analysis), Cement, Rebar, Rock Bolts, Rock Bolts Components, Admixtures, wire mesh, Hydrophilic Water stop samples have been delivered to the 3<sup>rd</sup> party laboratories for petrographic analysis and Alkali Silica Reactivity Test in May. Also sampling from Dewan cement factory have been carried out and submitted to the third party laboratory. The regular monthly sampling and delivery plan continued in May same as previous months.
- ix. **RCC Mix Design:** Second Stage RCC Mix Trial Program recommended by Dr. Dunstan has been performed with different cement (Fauji and Maple Leaf OPC) and POZZOLAN (Gini) contents. The long-term test results (365 days) results completed on May 2022. The MW-01 contractor has been notified about performing alkali reactivity tests on GINI POZZOLAN material that have been used in mentioned mix trials as per Technical Specifications. The method statement of RCC Field Trail Placement (FTP) has not been sent to the Engineer yet. The Contractor is going to arrange a visit plan from the Gini POZZOLAN processing plant in June. The Engineer submitted the required tests of Gini source investigations as per Technical Specifications. These activities are going to be critical in the Dasu project.
- x. **Mix Designs:** Developing and updating conventional concrete, grout, and shotcrete mix designs by assigning and changing in any ingredients like cement, aggregates sources and etc. are continuing at the site laboratories.  

The new conventional concrete mix designs for different classes (A35, A30, A25 and A20) laboratory trial tests with 50 mm maximum Size Aggregates in the scope of Main Works has been performed. Mix trials of Tendon Grout with Early strength cement are being performed in the scope of the MW-02 works. The Self Compacted Concrete (SCC) mix trails are still pending. In the scope of KKH-01 works, initial contacts with the Contractor regarding high strength concrete for bridges constructions are started in May.
- xi. **Monthly Laboratory Monitoring and other facilities:** Maintenance and Operational condition of the contractor’s laboratories have been regularly performed. Materials, sewage system, calibration testing, power supply, air conditioning and etc.

### c) Survey Section

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

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

- **Joint Survey of Sub grade top level at:**  
Km 10+820 to Km 11+037  
Km 11+043 to Km 11+143.75
- **Joint Survey of water Bound top level at:**  
Km 11+443.75 to Km 11+687.50  
Km 11+712.50 to Km 11+885  
Km 11+912.50 to Km 12+058.25
- **Joint Survey of existing ground at:**  
Km 11+000 (Around)
- **Joint Survey of Causeway cut off wall Both side at**  
Km 10+790 to Km 10+820
- **Joint Survey of after removal of Slide material at:**  
Km 10+700 to Km 12+058.25
- **Joint work done Survey of komila by pass at:**  
Km 1+475 to Km 1 +956
- **Joint Work done Survey Road Excavation at:**  
Km 11+443.75 to Km 11+431.25
- **Joint Survey for rectification of surface Drainage at:**  
Km 7+800 to Km 7+862.20
- **Joint Survey of Sub Base top level at:**  
Km 11+043to Km 11+143.75
- **Joint Work done Survey of Road Excavation at:**  
Km 11+043 to Km 11+143.70  
Km 11+143.75 to Km 11+212.50  
Km 11+262 to Km 11+343.75  
Km 11+443.75 to Km 11+431.25
- **Joint Work done Survey of Local Access Road at:**  
Km k 11+600
- **Joint Survey of Causeway Slab at:**  
Km 10+790 to Km10+820
- **Joint Survey of Sub grade top level at:**  
Km 10+820 to Km 11+037

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

- Joint geological Survey for rock classification at RAR-02 RD Km12+061 to Km12+666
- Joint geological Survey for rock classification at RAR-02 RD Km12+666 to Km13+064
- Joint geological inspection for Rock classification at RAR-02 RD Km12+666 to Km13+064

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

- **Joint survey for the foundation of breast wall at:**  
Km 6+443 to Km 6+500  
Km 8+550 to Km 8+575  
Km 19+100 to Km 19+243
- **Joint survey of foundation of Retaining wall at:**  
Km 5+975 to Km 5+993
- **Joint survey for marking top level of pouring A1 concrete at:**  
Km 8+450 to Km 8+550
- **Joint survey for Breast wall foundation at:**  
Km 8+000 to Km 8+093
- **Verification of Blasting survey at:**  
Km 1+056 to Km1+150
- **Joint survey of breast wall 3rd layer of stone masonry at:**  
Km 6+562 to Km 6+950
- **Joint layout for stone masonry of breast wall at:**  
Km 8+450 to Km 8+550
- **Joint survey of IPC in ZERO POINT at:**  
Km 0+900 to Km 1+273  
Km 3+320 to Km 3+457

- **Joint survey of IPC in KHUSHI at**  
Km 6+700 to Km 6+850  
Km 7+600 to Km 8+000
- **Joint checking of Breast wall levels at:**  
Km 7+781 to Km 7+862
- **Joint layout of Breast wall at:**  
Km 8+450 to Km 8+550

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

- Joint Topographic Survey for access road k37+400 to k37+800 KKH02 at LOOTER
- Joint Survey for classification of geological zone area access road No1 k0+000 to k1+600 KKH-02
- Joint Survey for classification of geological zone area access road No3 K0+000 to k0+173.5 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD K0+000 to K031.25 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD K0+064.25 to K0+071.25 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD K0+125 to K0+137.5 KKH-02
- Joint Survey for shallow-hole and split blasting of access road NO1 at RD K0+162.5 to K0+175 KKH-02
- Joint topographic survey of access road RD 37+400 to 37+800
- Joint inspection for classification of geological zone area access road No1 k0+000 to k1+600 KKH-02
- Joint inspection for shallow-hole and split blasting of access road NO1 at RD K0+000 to K031.25 KKH-02
- Joint inspection for shallow-hole and split blasting of access road NO1 at KKH-02
- Joint Topographic Survey of additional points need access road NO1 at KKH-02

**v. Project Colony Supervision Activities:**

- Joint layout of parapet wall at category 2B part 6
- Joint layout of internal sewerage line at category 1 part -E
- Joint layout of parapet wall at category 2B part 8
- Joint layout of internal sewerage line at category 1 part -F
- Joint layout of internal sewerage line at category 1 part -G
- Joint layout of parapet wall at category 2B part 10
- Joint survey of internal sewerage line excavation at category 1 part A
- Joint layout of parapet wall at category 2B part 12
- Joint survey of internal sewerage line excavation at category 1 part B
- Joint layout of parapet wall at category 2C part 8
- Joint layout of parapet wall at category 2B part 14
- Joint survey of internal sewerage line excavation at category 1 part C
- Joint layout of parapet wall at category 2C part 9
- Joint layout of parapet wall at category 2B part 4
- Joint layout of parapet wall at category 2C part 10
- Joint survey of internal sewerage line excavation at category 1 part D
- Joint layout of parapet wall at category 2C part 11
- Topographic survey of phase 2 at project colony
- Joint layout of parapet wall at category 2C part 12
- Joint layout of parapet wall at category 2C part 13
- Joint layout of parapet wall at category 2C part 14
- Joint layout of parapet wall at category 2B part 3
- Joint layout of internal sewerage line at category 1 part A
- Joint layout of parapet wall at category 2B part 5
- Joint layout of internal sewerage line at category 1 part -B

- Joint layout of internal sewerage line at category 1 part -C
- Joint layout of parapet wall at category 2B part 7
- Joint layout of internal sewerage line at category 1 part -D
- Joint layout of parapet wall at category 2C part 1
- Joint survey of internal sewerage line excavation at category 1 part D
- Joint layout of parapet wall at category 2B part 9
- Joint layout of parapet wall at category 2C part 2
- Joint survey of internal sewerage line excavation at category 1 part F
- Joint layout of parapet wall at category 2B part 11
- Joint layout of parapet wall at category 2C part 3
- Joint survey of internal sewerage line excavation at category 1 part G
- Joint layout of parapet wall at category 2C part 4
- Joint layout of parapet wall at category 2B part 13
- Joint layout of parapet wall at category 2C part 5
- Joint survey of internal sewerage line excavation at category 1 part H
- Joint layout of parapet wall at category 2C part 7
- Topographic survey of phase 2 at project colony

**vi. Resettlement Sites Supervision Activities:**

- Checked the excavation elevation of road RD 0+346 to 0+780 at NASIR ABAD-01
- Checked the layout for lean concrete of road RD 0+346 to 0+780 at NASIR ABAD-01
- Data collection of Access road Shaheen Abad at KHUSHI
- Checked the elevation for columns top of Mosque at NASIR ABAD-01
- Demarcation for permanent access road at NASIR ABAD-01 AND 02

**vii. MW-01 & MW-02**

- Formwork verification at Diversion Tunnel B outlet Dyke
- Formwork verification in DTB sheer zone area part 1 left side CH: 0+290 to 0+302
- Joint survey for formwork verification at Diversion Tunnel B Shear Zone part 02 left and right wall
- Joint survey for excavated area support work at LD-07 CH: 0+695 to 0+725 EL : 795m to 800m
- Joint inspection of water level record provided by contractor at steel truss bridge CR-9
- Joint survey for the excavation area of 4th layer at Switchyard Area
- As built cross sections verification at Transformer Cavern CH: 0+181 to 0+187
- Formwork verification in DTB sheer zone area part 2 left side CH: 0+302 to 0+312
- As built cross sections verification at Traffic Diversion Tunnel CH: 0+238 to 0+250
- Formwork verification at Diversion Tunnel A inlet middle pier
- Joint survey for excavation quantity of the portal area Adit Tunnel CT2 EL: 0+780 to 0+806
- Joint survey for shotcrete quantity of the portal area Adit Tunnel CT2 EL: 0+780 to 0+806
- Joint topographic survey at KASS contractor camp area before backfilling
- Formwork verification at Diversion Tunnel A inlet part 1 left and right side CH: 0+002.3 to 0+019
- Joint as built survey for Geological over break at Adit Tunnel CT-2 CH: -0+001 to -0+004
- Joint checked formwork at Diversion tunnel-A inlet part # 2
- Joint checked formwork at diversion tunnel-A outlet CH: 1+479 wall before pouring concrete
- Joint checked formwork at Diversion Tunnel inlet Part#1 CH: 0+002.3 to 0+019
- joint survey for Cofferdam Dyke at Diversion Tunnel-A outlet area
- Joint checked formwork at diversion tunnel-A inlet part#2 before pouring concrete
- Joint checked formwork at diversion tunnel-B CH: 0+302 to 0+314 before pouring concrete
- Joint checked formwork at Diversion tunnel-B CH: 0+578 to 0+566 before pouring concrete

- Joint checked formwork at diversion tunnel-A inlet CH: 0+002 to 0-033 before pouring concrete
- Joint survey of formwork for invert foundation at diversion tunnel-B CH: 0+650 to 0+662
- Joint checked formwork at Diversion Tunnel-A inlet CH: 0-003.2 to 0-035 before pouring concrete
- Verification of as built cross section of Power House Cavern I-3 CH: 0+001 to 0+100
- Verification of as built cross section of Power House Cavern I-3 CH: 0+100 to 0+050
- Joint formwork verification at Diversion Tunnel A outlet dyke EL: 779.5 to 784
- Joint excavation survey for coffer dam extension at DT-A inlet
- Formwork verification before pouring concrete at coffer dam extension
- As built cross sections verification at Drain Tunnel CH: 0+874 to 0+873
- As built cross sections verification at Drain Tunnel CH: 0+860 to 0+873
- Verification of survey control network at Traffic Diversion Tunnel
- Weekly convergence measurements at Power House caver CH: 0+110, 0+170, 0+141
- Formwork verification at Diversion Tunnel A outlet crown area
- Formwork verification at Diversion Tunnel B shear zone area part 3
- As built cross sections verification at Power House CH: 0+190 to 0+210
- Observed river water level at KASS truss bridge and CR9 truss bridge
- Validation of topographic survey at Dam site Right Bank
- Observed river water level at KASS truss bridge and CR9 truss bridge and KASS truss bridge
- Joint checked formwork at diversion Tunnel-B 0+302 to 0+327 before pouring concrete
- Joint checked formwork at diversion Tunnel-B 0+327 to 0+339 before pouring concrete
- Joint checked Formwork at Diversion tunnel-B CH: 0+302 to 0+314
- Verification survey for re-shotcrete at Diversion Tunnel-A CH: 1+130 to 1+140
- Joint survey for excavation of coffer Dam Dyke at Diversion tunnel-A outlet before concrete
- Joint survey for invert foundation at Diversion Tunnel-B CH: 0+590 to 0+578
- Joint checked formwork at Diversion tunnel-B CH: 0+650 to 0+662 before concrete
- Joint survey of formwork for invert foundation at Diversion Tunnel-B CH:0+566 to 0+578
- Joint checked formwork at diversion Tunnel-B CH:
- Joint as built survey at transformer cavern Bench-1
- Formwork Verification at DTB sheer zone area part 2 right side CH: 0+302 to 0+314
- Formwork Verification at Diversion Tunnel B inlet part 2 Left side
- Joint survey for formwork verification at Diversion Tunnel B Shear Zone part 03 left and right wall
- Formwork verification at Diversion tunnel A inlet coffer dam extension
- As built cross section verification at Traffic Diversion Tunnel CH: 0+300 to 0+310
- Formwork Verification at DTB sheer zone area part 3left side CH: 0+326 to 0+338
- Formwork Verification at DTB inlet part 3 Left and Right side
- As built cross section verification at Traffic Diversion Tunnel CH: 0+338 to 0+341
- Survey control network verification at Power House Cavern
- Formwork Verification at Diversion Tunnel B inlet part 3 Left wall
- Observed river water level at KASS truss bridge and CR-9 truss bridge
- Formwork verification at DTA inlet coffer dam extension
- Joint checked formwork for invert foundation at DT-b CH: 0+590 to 0+602
- Joint checked levels at Diversion Tunnel-B Ch:0+650 to 0+660 before pouring concrete
- Joint checked formwork at DT-A inlet CH: 0+002.3 to 0+019 before pouring concrete left side
- Joint checked formwork at DT-A inlet CH: 0+002.3 to 0+019 before pouring concrete Right side
- Demarcation of Security check posts at CGGC KASS Camp
- Observed River water levels at steel truss Bridge KASS
- Joint as built survey at Power house Bench-1

- As built cross sections verification at Power House Cavern
- Joint survey for formwork at DTB shear zone area part 1 CH: 0+290 to 0+302
- As built cross section verification at Traffic Tunnel CH: 0+238 to 0+250
- As built cross section verification at Traffic Tunnel CH: 0+300 to 0+312
- Observed river water level at KASS truss bridge
- Formwork verification at Diversion Tunnel B Shear zone area part 01 Left and Right wall
- Joint Excavation survey at Traffic Tunnel Outlet area
- Joint checked formwork at diversion Tunnel-A inlet 0+002.3 to 0-033 before pouring concrete
- Observed River water levels at Steel Truss Bridge KASS
- Joint checked formwork at Diversion Tunnel-A CH: 0-003 to 0-035 before pouring concrete
- Joint checked formwork at Diversion Tunnel-A CH: 1+456 to 1+478 before pouring concrete

**viii. Demarcation at :**

- Demarcation of Catch points at Km 4+700 to Km 4+800 KKH-01
- Demarcation of catch points at Km 4+800 to Km 5+100 KKH-01
- Demarcation of center line at Km-4 tunnel outlet KKH-01
- Demarcation of UCHAR access road
- Demarcation at new Camp of KHUSHI
- Demarcation of Center Line at Km 4+600 to Km 4+750 KKH-01
- Demarcation of RDs at Km 8+200 to Km 8+500 KKH-01
- Demarcation of Additional area A3 at CHUCHANG KKH-01

**ix. LADP**

- Joint Topographic Survey of DC Colony Road (in progress)
- Joint Topographic Survey of Dong Nulla Road (In Progress)
- Handed over control Points to contractor IKAN Private Engineering Services
- 01-Control Points of BHU Jalkot
- 02-Control Points of DC Colony Road
- 03-Control Points of Dong Nullah Road
- 04-Control Points of Seo Razika Road
- 04-Control Points of Khusi Access Road

**d) Geology and Geotechnical Section Activities**

**i. Dasu-MW-01**

- **DT-A**  
At different Chainages of DT-A support and invert concrete work in progress.
- **DT-B**  
At different Chainages of DT-B support and invert concrete work in progress.
- **Traffic Diversion Tunnel**  
Carried out subsurface geological mapping/data collected up to 0+376m.

**ii. Dasu-MW-02**

- **Vault Access Tunnel (VAT)**  
No activity related to geological mapping during this month progress remained same 0+517m.
- **Vault Gallery Tunnel Right (VGT-R)**  
No activity related to geological mapping during this month progress remained same 0+015m.
- **Vault Gallery Tunnel Left (VGT-L)**  
No activity related to geological mapping during this month progress remained same 0+016m.
- **Vault Access Tunnel-02 (VAT-02)**  
No activity related to geological mapping during this month progress remained same 0+013m.



- **Service Tunnel-A (ST-A)**  
No activity related to geological mapping during this month progress remained same 0+566m.
- **Drain Tunnel**  
Carried out subsurface geological mapping/data collected up to 0+952m.
- **Access to Drain Tunnel-1 Left side (ADT-1)**  
No activity related to geological mapping during this month progress remained same 0+046m.
- **Gas Insulated Service Tunnel (GIS)**  
No activity related to geological mapping during this month progress remained same 0+116m.
- **In-Situ Over Coring Test (GIST):**  
**New B.H location on Right Wall at 0+033m:**  
**Note:** Contractor has stopped activities for arranging new sub-contractor.
- **Adit Draft Tunnel Right (ADFT-R)**  
No activity related to geological mapping during this month progress remained same 0+053m.
- **Adit Draft Tunnel Right (ADFT-L)**  
No activity related to geological mapping during this month progress remained same 0+059m.
- **Transform Cavern (TC I-1) Centre**  
No activity related to geological mapping during this month progress remained same 0+240m.
- **Transform Cavern (1-2) Left side Downstream**  
Carried out subsurface geological mapping/data collected up to 0+236m.
- **Transform Cavern (1-2) Left side Upstream**  
Carried out subsurface geological mapping/data collected up to 0+035m.
- **Transform Cavern (1-3) Right upstream**  
Carried out subsurface geological mapping/data collected up to 0+117m.
- **Transform Cavern (1-3) Right Downstream**  
No activity related to geological mapping during this month progress remained same 0+240m.
- **Powerhouse (PH i-I) PET**  
No activity related to geological mapping during this month progress remained same 0+240m.
- **Powerhouse (I-2) Left side (Upstream)**  
Carried out subsurface geological mapping/data collected up to 0+010m.
- **Powerhouse (I-2) Left side (Downstream)**  
Carried out subsurface geological mapping/data collected up to 0+220m.
- **Powerhouse (I-3) Right side (Downstream)**  
No activity related to geological mapping during this month progress remained same 0+240.
- **Penstock Adit-1**  
No activity related to geological mapping during this month progress remained same 0+118.
- **Penstock Adit-2**  
Carried out subsurface geological mapping/data collected up to 0+261m.
- **Penstock Adit-2 (Right)**  
Carried out subsurface geological mapping/data collected up to 0+011m.
- **In-Situ Plate Load Test at MAT-02**  
Carried out two numbers plate load test vertical & horizontal completed in MAT-02 on dated: May 17, 2022 and May 24, 2022 respectively, Test reports awaited.  
Preparation works are in progress for second horizontal test in MAT-02

**iii. RAR-01**

- Re-classification of geological zones at access road-1 from K0+000 to K1+680 & access road-3 K0+000 to K0+173.

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

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

**Table 4.1: Basic information of Dasu HPP Overall Baseline Schedule Rev.1 (R1)**

Information in PC-1			Information of Baseline Schedule R3 <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-3 in Progress.
			KKH-02	15-05-20	13-05-22	728	16,265	5.55%	In Progress
	I.2	132kV Transmission Line from Duber Khawar to DHP	TL-01	02-11-15	17-05-20	1,658	1,785	0.61%	EOT-4 in Progress.
	I.3	Internal Roads and Bridges	RAR-01(Komila-Dam, 12km)	24-08-15	16-07-20	1,788	2,714	0.93%	EOT-4 in Progress.
			RAR-02 (Dam - Uttar Gah)	20-05-21	18-05-23	728	6,253	2.13%	In Progress
			RAR-03 (Uttar Gah-Tangir)	01-01-20	29-12-21	728	5,000	1.71%	
		Dismantling 2 bridges at Kandia and Largani		01-01-21	31-12-21	364	1,000	0.34%	
	I.4	Project Colony & Infrastructure	PCI-01R	20-05-19	17-05-21	728	4,900	1.67%	EOT-1 under process.
			PCI-02	-	-	-	2,726	0.93%	
I.5, I.7	Dam and Appurtenant Structures(1.5) HSS - Dam (1.7)	MW-01	23-06-17	10-05-26	3,243	115,003	39.25%	EOT-1 granted.	
I.6, I.8	Underground Powerhouse Complex (1.6) HSS - Waterway and PH (1.8)	MW-02	23-06-17	18-06-26	3,282	64,426	21.99%	EOT-1 granted.	
I.9	Hydro-Mechanical & Electrical Equipment	EM-01	20-05-20	19-06-25	1,856	52,456	17.90%	Effective Date is 1st Feb 2021	
II	II.3	Resettlement Development Cost	LBRV-11	26-12-18	04-12-20	709	1,121	0.38%	EOT-2 in Progress.
			LBRV-12	26-12-18	07-12-20	712	1,017	0.35%	EOT-2 in Progress.
			Dasu-RV	18-06-19	15-12-20	546	655	0.22%	EOT-1 in Progress.
			Other RVs (only 1741.9 MPKR of II.3)	26-12-18	22-12-21	1,092	3,139	1.07%	
Total						292,999	100%		

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

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

Description	Physical Progress (%)	Financial Progress (%)
Scheduled <sup>1)</sup>	86.1	80.9
Actual	13.3	17.5

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

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

The Scheduled Progress mentioned in the above table is according to contract programs/ or revised contract programs as per EoT granted. Progress status and the major activities of each contract undertaken during this month are described hereinafter.

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

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

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

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

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

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

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

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

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-01	81.3	157.3	31.7	-	0.19	100.0	31.8

- Gantt chart and S-Curves of DASU-KKH-01 based on EOT-2 are shown in Figure-8 & 9 respectively

- Scheduled progress of KKH-01 is based on EOT-2. Revised Schedule (EOT-3) for re-alignment (Tunnels & Bridges) in progress.

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

The major activities undertaken during this month were:

- **Limited Construction Activities in this month.**
- Backfilling work at the inlet portal of K3 tunnel was completed and the Engineer prepared punch list of K3.
- Excavation work at first and third benches of Zero point has been suspended since 12<sup>th</sup> April, 2022 due to the financial issue.
- Backfilling work with stone dust of retaining walls at K5 has been completed during the reporting month.
- Excavation work at K6+400-500 is executing continuously during the reporting month.
- Development of the Camp and batching plant at K6+400 has been commenced during the reporting month.

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

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

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

No.	Section	Issue	Measures	Present Status and What Action to be Taken
1.	K8+850 to K14+000	Stoppage of excavation at K9+200 due to design change on Logro tunnel option (Koshe to Uchar).	Implementation of Logro Tunnel.	VO-05 approved and Contractor is waiting for mobilization advance.
2.	K16+000 to K20+600	Unfavorable Geological and Topographical conditions faced at KKH-01 from K17+100 to K17+600	Based on the Contractor's request with his letter ref.19-024, dated 16.02.2019, a geological study was made by DHC Expert.	Uchar-A Detail Design is submitted and waiting for additional Geological Investigation.
		Re-location of the Uchar Bridge. (Uchar Nallah).	Uchar Bridge Construction at new Location.	VO-05 approved and Contractor is waiting for mobilization advance..
		Stoppage of excavation at K20+500 due to additional land acquisition to remove the unstable rock slope. (Barseen to Uchar).	Revised location of Barseen bridge is proposed.	VO-05 approved and Contractor is waiting for mobilization advance.
3.	K20+600 to K24+710	Proposal of new bridge to avoid the passing in the unstable slope area of the Dugah Nullah. (Kaigah to Barseen)	The proposal of new bridge crossing Dugah Nullah has been prepared by DHC and the Bridge proposal option 2 was approved by the Employer.	VO-05 approved and Contractor is waiting for mobilization advance.
		Sliding Area at Kaigah from K23+500 to K23+730	It was decided to bypass the sliding material area by Tunnel construction and passive slope protection measures will be taken.	VO-05 approved and Contractor is waiting for mobilization advance.

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

### 4.2.1 General Contract Data of KKH-02

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

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

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

### 4.2.2 Progress Status of KKH-02

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

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

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-02	0.6	2.3	0.0	-	-	-	<1%

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

### 4.2.3 Major Activities of KKH-02

The major construction activities undertaken during this month were:

- Excavation and blasting work at access roads on K 28 Kaigah and K37 has been started during the reporting month.
- The Contractor has mobilized manpower and Equipment to the Kaigah Contractor's camp during the reporting month.
- The Contractor will start new access roads at K31 and K 34 in next month.

### 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	81.3	138.3	96.8	-	0.25	100.0	97.0

- Gantt chart and S-Curves is based on EOT-2 are shown in Figure-10 & 11 respectively.
- Elapsed time and Scheduled progress based on EOT-3. Revised programme for EoT-4 is in progress.

#### 4.3.3 Major Activities of RAR-01

The major activities undertaken during this month were:

##### Construction Activities

- Replacing of damaged sign boards with new signs boards are in progress and completed from K0 to K9.
- Side drain vertical portion concrete in progress from different location between K9+300 to K12+056 and completed.
- Concrete edge protection barrier around K11+200 to K11+300 preparations in progress.
- Blasting and excavation work at local access at K11+600 in progresses and completed.
- Fixing of wire mesh on edge barriers around K9+250 in progress and completed.
- Side drain rectification for drainage of rain water at K2+600 & K2+700 in progresses and completed.
- Cleaning of asphalt from dust etc. in progress for pavement/road marking from K9 to K12.
- Excavation work, drilling and blasting work, boulder blasting etc. around K0 to K0+500, K0+500 to K1+000 and K2+280 end section in progress at Komila bypass.

##### NOTE:

- RAR-01 project, Asphalt work is completed on Jan 30, 2022 & remaining outstanding/Ancillary work in progress from K9 to K12.
- From K0 to K9 work completed and Taking over certificate issued to Contractor up to K9 on dated November 26, 2021 with effect from July 25, 2021 and remaining punch list activities are in progress.

### 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

Item	Data
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	12.4	51.8	1.0	8.80	0.01	42.5	1.0

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

#### 4.4.3 Major Activities of RAR-02

The major construction activities undertaken during this month were:

- Excavation and blasting work from K12+940 to K13+145 were executed continuously.
- 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	79.0	144.8	88.1	-	0.19	100.0	88.2

- Gantt chart and S-Curves of Dasu-TL-01 based on EOT-2 are shown in Figure 12 and Figure 13, respectively.
- Elapsed time & Scheduled progress of TL-01 is based on EoT-3. Revised program for EoT-4 in progress.

##### 4.5.3 Major Activities of TL-01

###### Activities carried during the month:

- Formwork installation, steel fixing of indoor cable trenches at grid station is in progress.

- Construction of Retaining Wall and stone pitching for slop protection works at Grid Station is in progress.
- Excavation/cutting at access road to Grid Station is in progress.
- Excavation at T-111A is in progress.

**Overall completed activities:**

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

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

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
1	NTDC-1	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The NTDC's Contractor could not drill for pile foundation of tower NTDC-1 and left the site.
2	NTDC-2	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
3	NTDC-3	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
4	NTDC-4	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
5	NTDC-5	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
6	NTDC-6	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
7	T-37	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The Employer instructed the Contractor to carry out the design work for JKD towers. However, the Contractor mobilized his team for subsoil investigation but the landowners stopped the work.
8	T-38	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
9	T-39	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
10	T-40	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
11	T-41	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
12	T-42	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
13	T-43B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
14	T-44B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
15	T-45A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
16	T-46A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
17	T-47A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
18	T-48A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
19	T-49A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
20	T-50A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
21	T-51A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
22	T-52	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
23	T-53	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
24	T-54	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
25	T-55A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
26	T-56A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
27	T-57A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
28	T-58A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
29	T-60A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
30	T-61A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	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	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
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		Work has been stopped by local committee of Pattan and Palas. (T-43B -- T-143A)
								Not started	
44	T-72A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
45	T-73A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
46	T-74A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
47	T-75A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
48	T-76A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
49	T-77A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
50	T-78A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
51	T-79A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
52	T-79M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
53	T-80A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
54	T-80M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
55	T-81A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
56	T-81M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
57	T-82A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
58	T-82M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
59	T-83A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
60	T-83M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
61	T-84A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
62	T-85A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
63	T-86	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
64	T-87	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
65	T-88A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
66	T-89A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
67	T-90	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
68	T-91A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
69	T-92A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
70	T-93A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
71	T-95A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
72	T-96	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
73	T-97A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
74	T-98	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
75	T-101A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
76	T-102A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
77	T-103A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
78	T-104A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		



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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								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	Landowner wants to carry out the construction activities of T113B by themselves. The agreement between landowner & Contractor is almost done but the access way to tower location has multiple landowners and they are also demanding the payments for access way. Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
85	T-111A	ED-24	Not started	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	Not started	
95	T-124A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
96	T-125A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
97	T-126B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
98	T-127B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
99	T-128B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
100	T-129A	ED-24	Completed	Not started	Completed	Completed	Not started	Not started	
101	T-130A	ED-26	Completed	Not started	Not started	Not started	Not started	Not started	
102	T-131B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	Work has been stopped by local committee of Pattan and Palas. (T-43B ~ T-143A)
103	T-132B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
104	T-133A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
105	T-134A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
106	T-135A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
107	T-136A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
108	T-137	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
109	T-138B	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started	Not started	
110	T-139A	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Not started	Not started	
111	T-140	ZM-30 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
112	T-141A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
113	T-142B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
114	T-143A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
115	T-144A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
116	T-145B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
117	T-146A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
118	T-147B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
119	T-148A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Completed	
120	T-149A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
121	T-150A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
122	T-152	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
123	T-153A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
124	T-154A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
125	T-155B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
126	T-156B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
127	T-157A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
128	T-158B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
129	T-159A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
130	T-160A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
131	T-161B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
132	T-162A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
133	T-163A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
134	T-164B	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
135	T-165A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
136	T-166A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
137	T-167A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
138	T-168B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
139	T-169B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
140	T-170B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
141	T-171A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
142	T-172	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
143	T-173A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
144	T-174	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
145	T-175A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
146	T-176A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
147	T-177B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
148	T-178A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
149	T-179B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
150	T-180A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
151	T-181A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
152	T-181M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
153	T-182	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
154	T-183	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
155	T-184	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
156	T-185	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
157	T-186	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
158	T-188A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
159	T-189A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
160	T-190B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	

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S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Erection	Stringing	Remarks
161	T-191B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
162	T-192A	ZM-60 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
163	T-193A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
164	T-193M	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
165	T-194A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
166	T-194M	ZM-60 Standard	Completed	Completed	Completed	Completed	Not started		
167	T-195A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
168	T-196A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
169	T-197A	ZM-60 Standard	Completed	Value is above 10 ohm	Completed	Completed	Not started		
170	T-198A	ZM-30 Modify	Completed	Value is above 10 ohm	Completed	Completed	Not started		
171	T-199A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
172	T-200A	ZM-60 Standard	Completed	Completed	Completed	Completed	Not started		
173	T-201A	ZM-30 Modify	Completed	Completed	Completed	Completed	Not started		
174	T-202A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
175	T-203A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
176	T-204A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		
177	T-204M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
178	T-205A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
179	T-206A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
180	T-207A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
181	T-208A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
182	T-209A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
183	T-210A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
184	T-211A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
185	T-212A	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Completed		

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

**Table 4.15: Overall Summary of Major Activities of Transmission Line**

No.	Description	Already Completed uptil Previous Month	Completed in this Month	In Progress	Completed up to this Month	Remarks
1	2	3	4	5	6=3+4	7
<b>A</b>	<b>Transmission Line</b>					
1	Excavation/Cutting of tower foundation	171	0	1	171	
2	Concrete of tower foundation	168	0	0	168	
3	Backfill of tower foundation	168	0	0	168	
4	Tower Erection	153	0	0	153	
5	Stringing (Spans)	57	0	0	57	
<b>B</b>	<b>Grid Station</b>					
1	Construction of retaining wall at grid station is in progress.					

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

Area	Total Towers	Change Proposal	Excavation Complete	Foundation Concrete Complete	Backfilling Completed	Erection Completed
Palas	10	0	10	10	10	10
Pattan	98	6	90	87	87	84
Sheikh Band	23	0	23	23	23	23
Jhalkot	20	0	20	20	20	20
Teyal Maidan	28	0	28	28	28	16
<b>Total</b>	<b>179</b>	<b>6</b>	<b>171</b>	<b>168</b>	<b>168</b>	<b>153</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)	16
2	Lynux conductor (km)	105
3	110-volt battery charger (Nos)	2
4	11kv switchgear panels (Nos)	15
5	CT/CV/CB ISO (Nos)	20
6	Surge arestors (Nos)	15
7	Grounding conductor for G.S (km)	2.2
8	Rail conductor (km)	12.8
9	Shield wire (km)	38
10	Transmission line and G.S Hardware	Completed (except JKD Towers)
11	Telecom. Equipment	Completed as required.
12	Disc insulators + Post Insulators	12640 + 6
13	Control & Relay panels	6
14	Gantry material of G.S	Beams 3Nos and Columns 5Nos

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

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

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

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	T37, T38, T39, T40, T41, T42 & T113B.			The Employer instructed the Contractor to carry out 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 wants to carry out the construction activities of T113B by themselves. The agreement between landowner & Contractor is almost done but the access way to tower location has multiple landowners and they are also demanding the payments for access way. Work has 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:

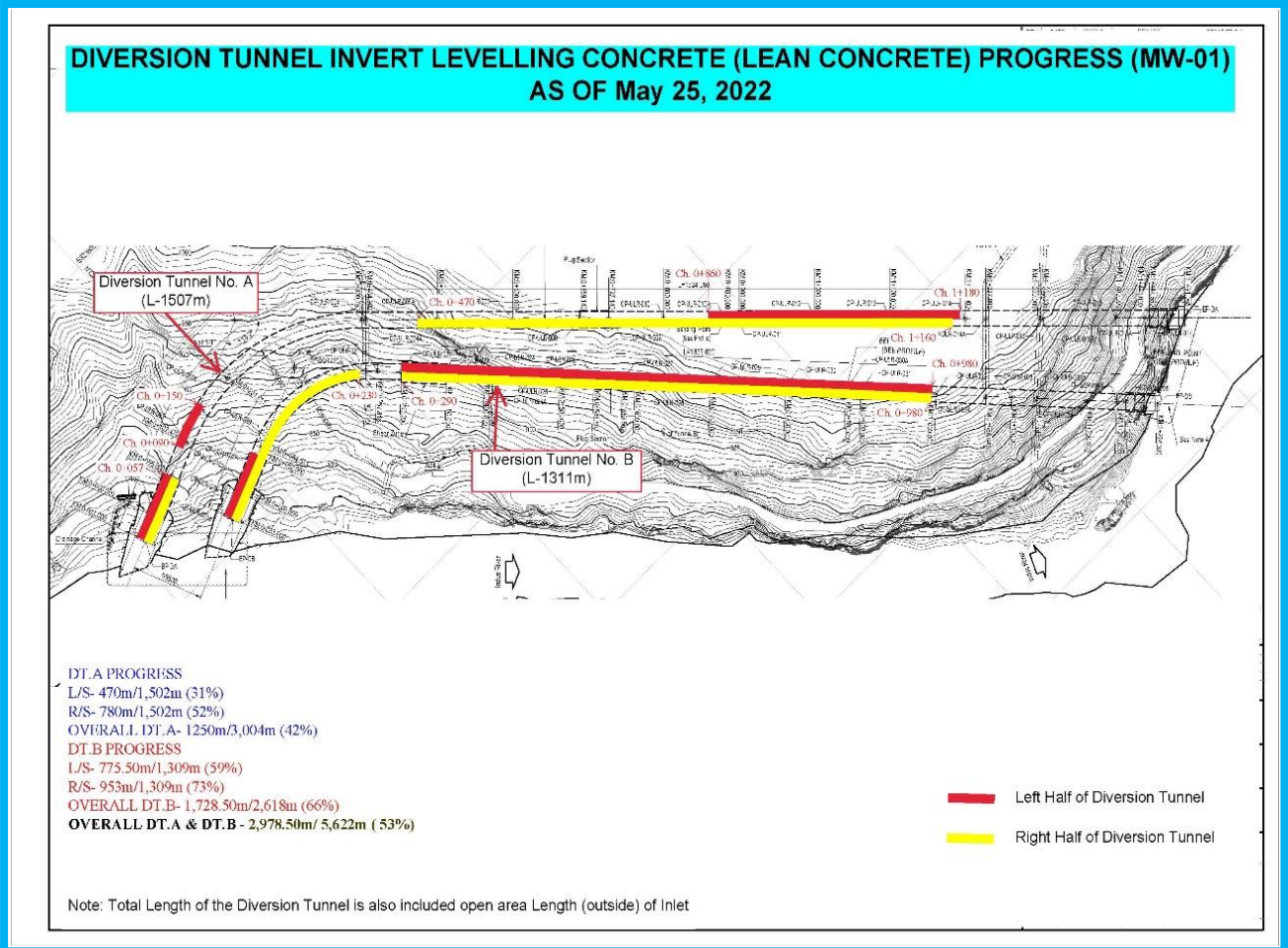
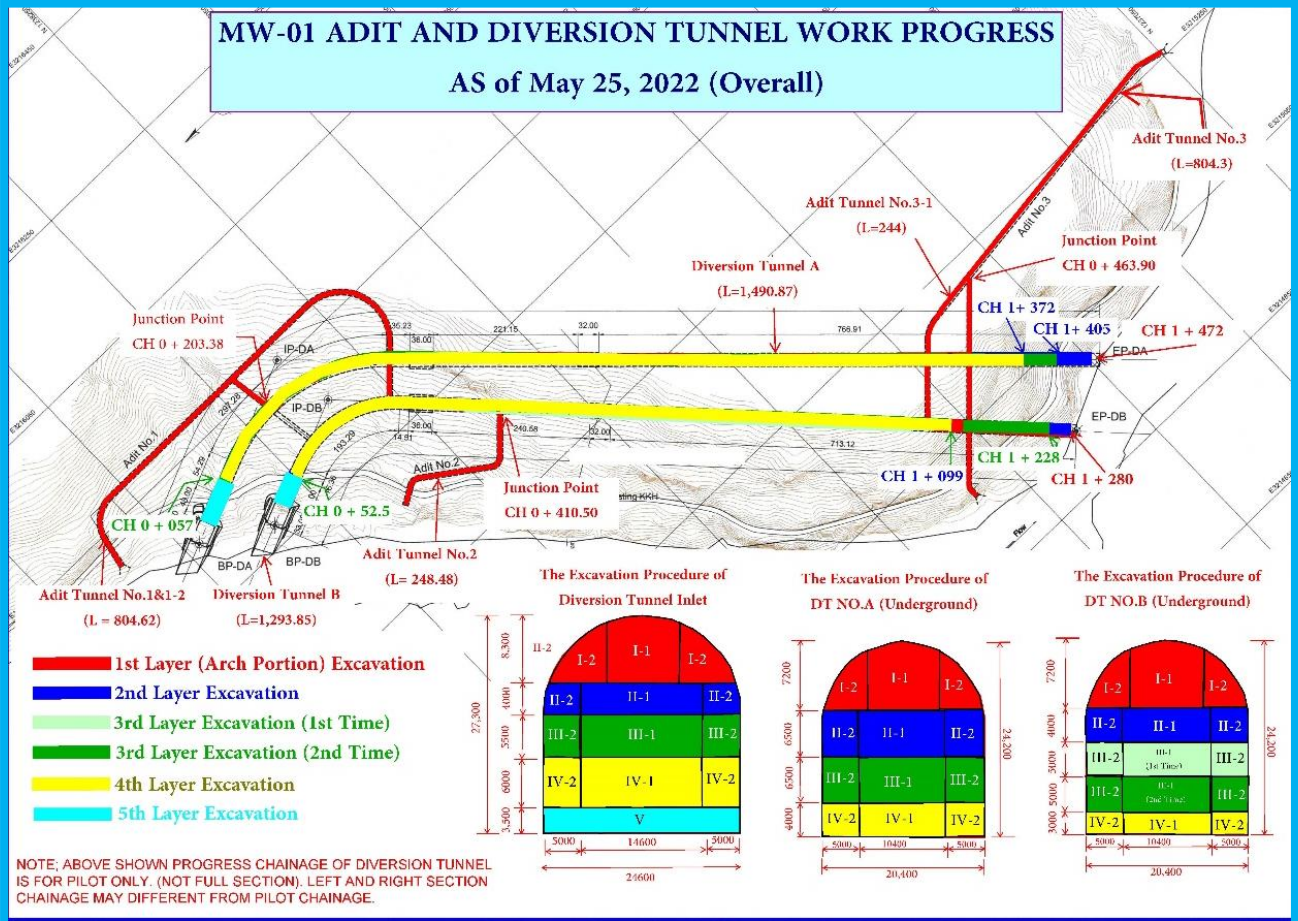
**Table 4.20: Progress of Dasu-MW-01 this Month**

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	59.3	88.5	15.7	0.92	1.52	97.0	17.2

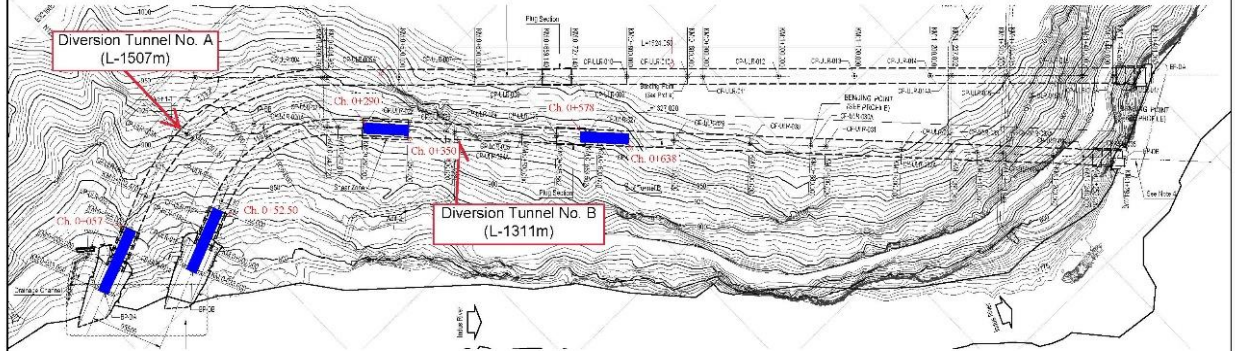
- Gantt chart and S-Curves of Dasu-MW-01 shown in Figure 14 and Figure 15

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

Major construction activities and progress are summarized below:



**DIVERSION TUNNEL INVERT STRUCTURAL CONCRETE PROGRESS (MW-01)  
 AS OF May 29, 2022**

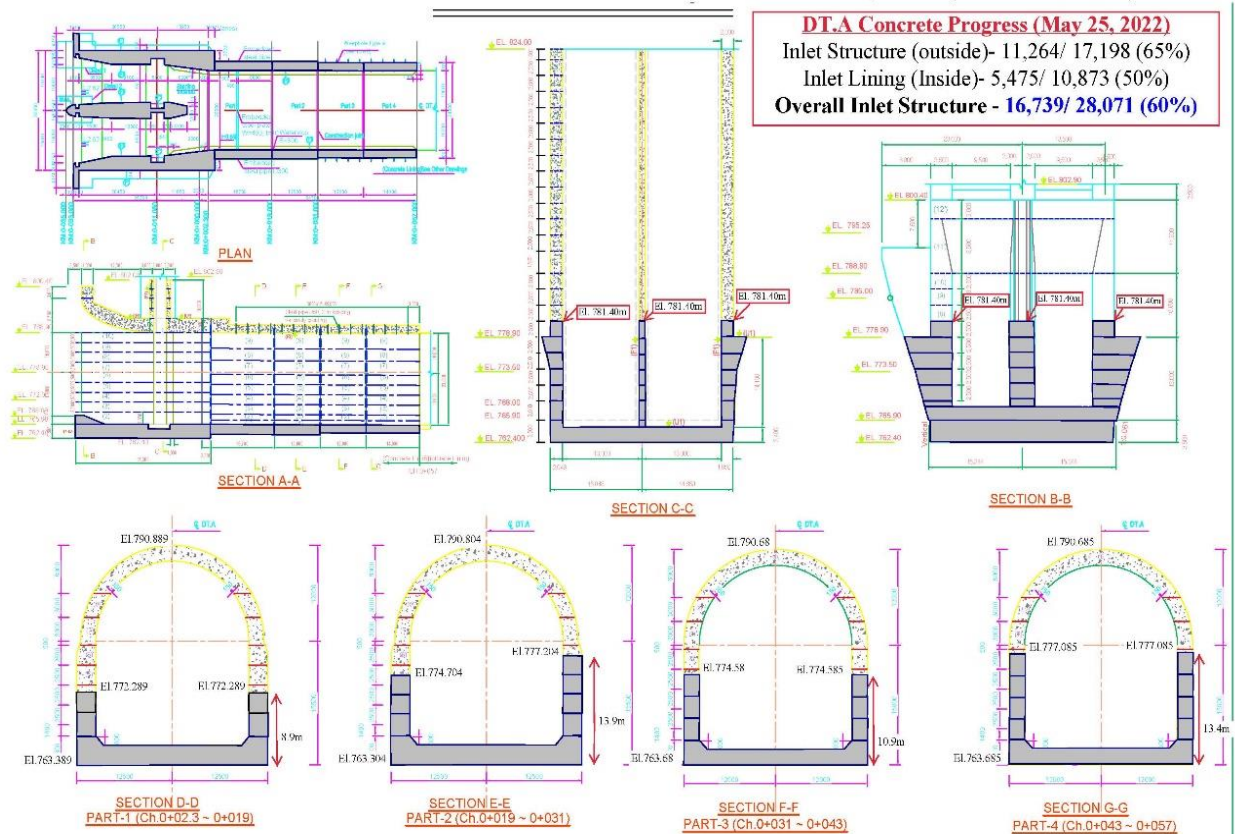


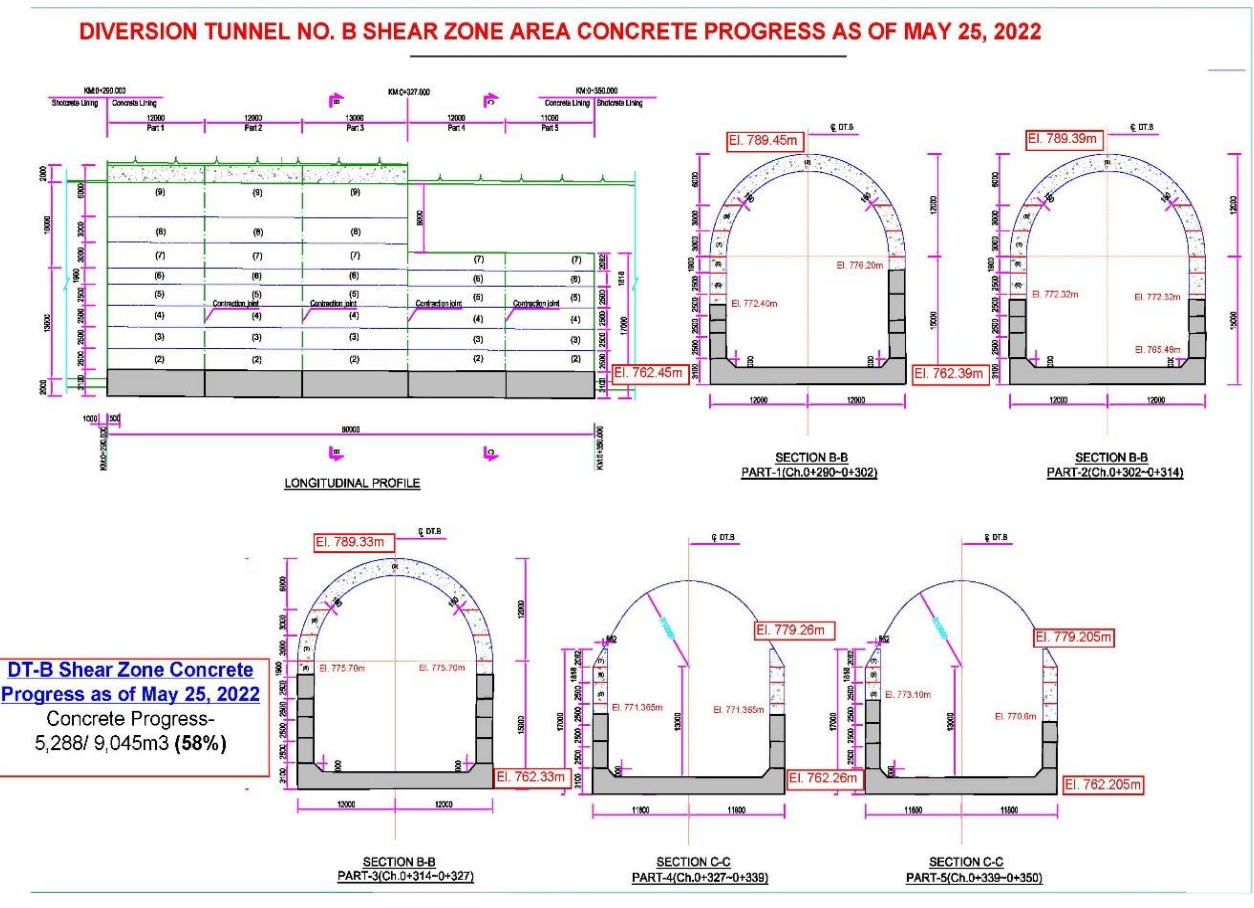
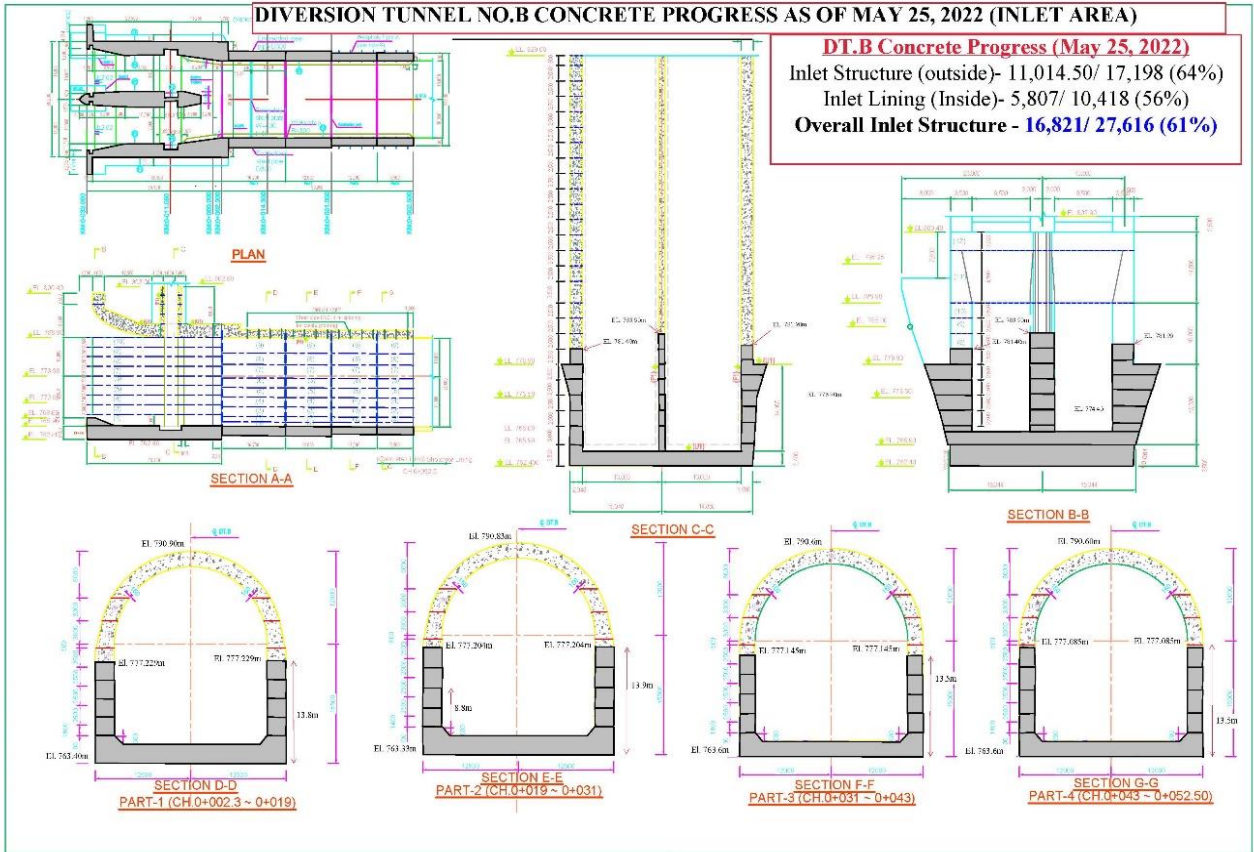
**DT.A PROGRESS**  
 90m/1,502m (6%)  
**DT.B PROGRESS**  
 205.50m/1,309m (16%)  
**OVERALL DT.A & DT.B - 295.50m/ 5,622m ( 5%)**

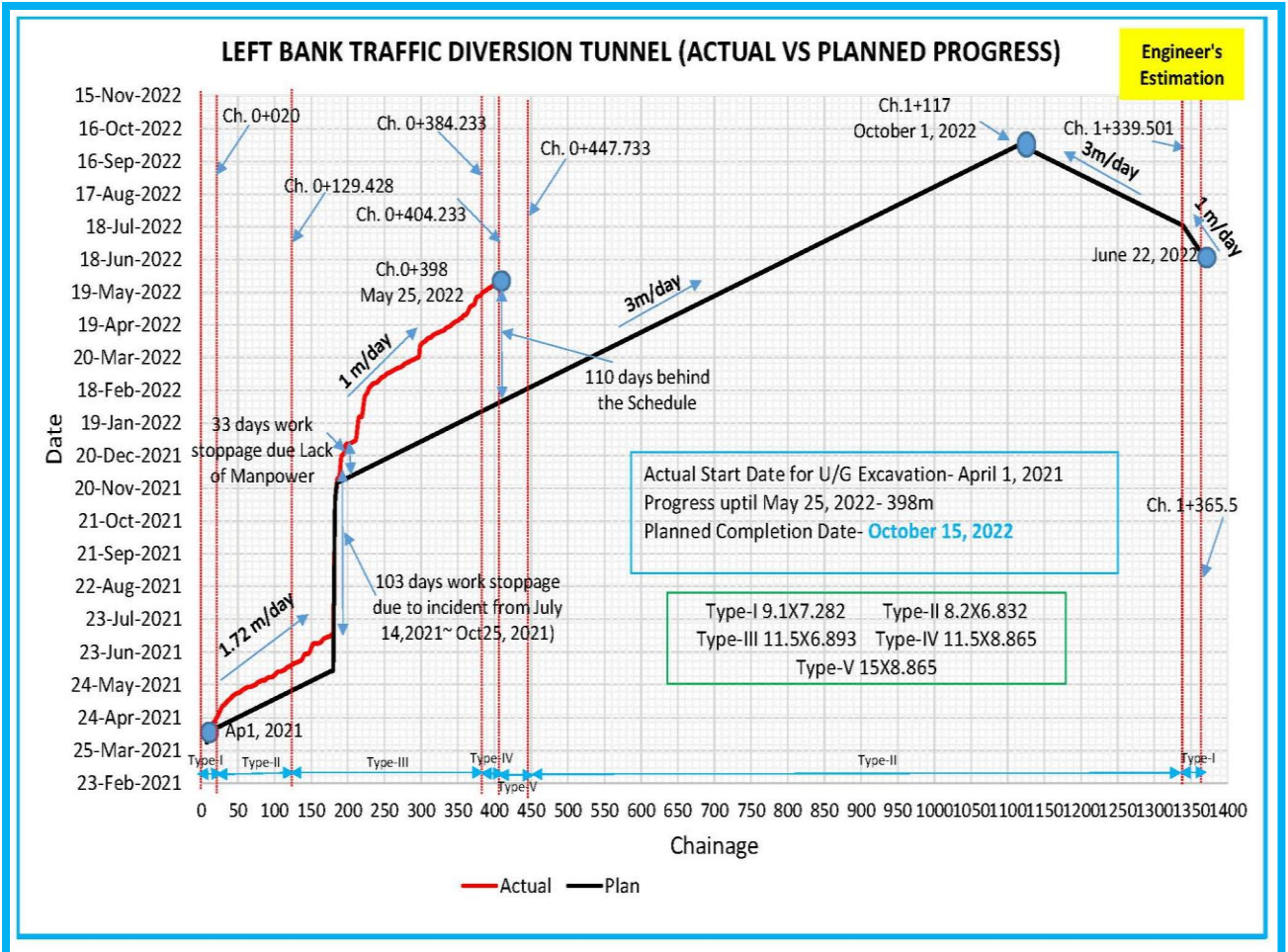
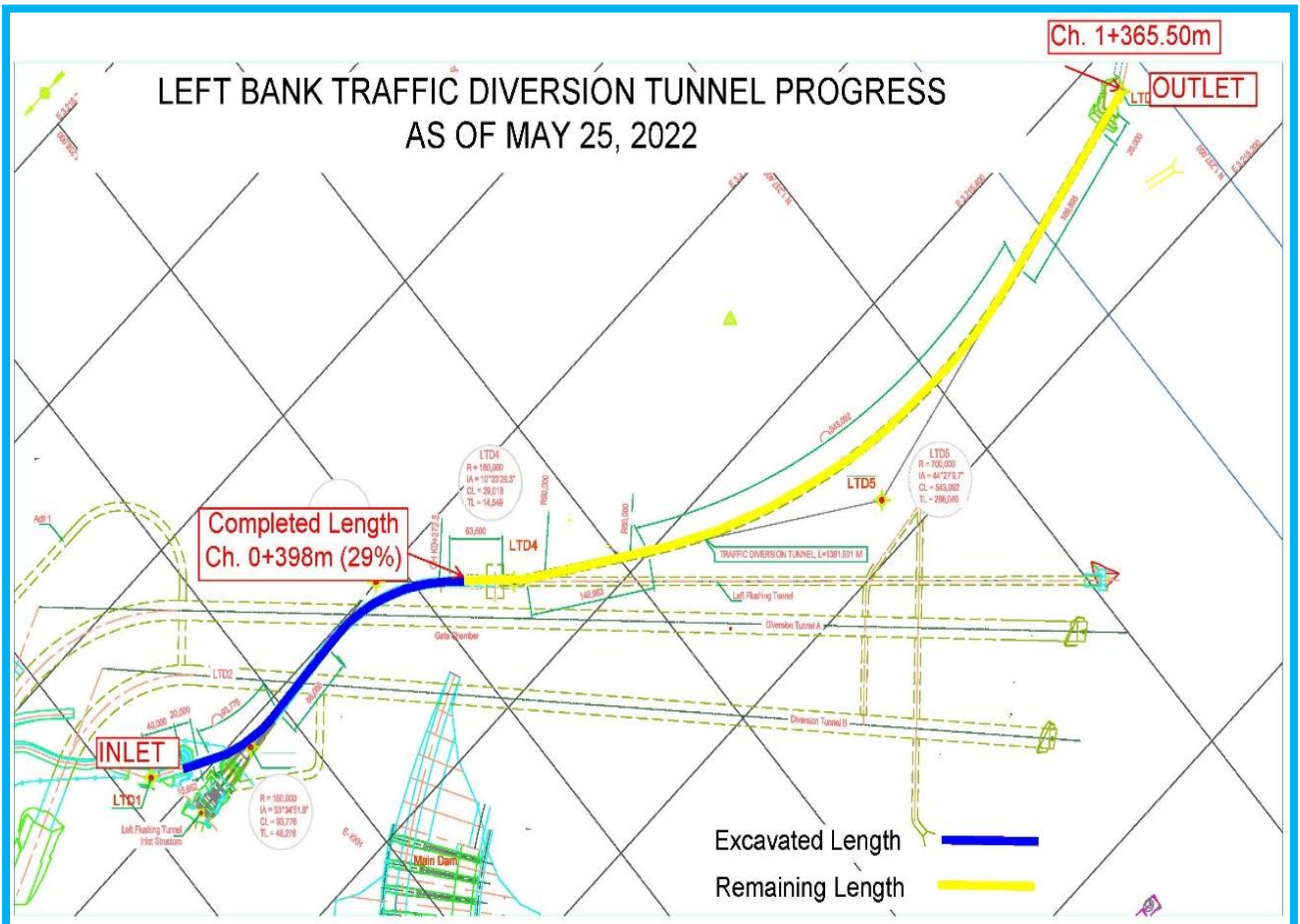
Structural Concrete for Invert Slab

Note: Total Length of the Diversion Tunnel is also included open area Length (outside) of Inlet

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









(1) **Adit Tunnels**

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

➤ **Diversion Tunnel No. A**

• **Inlet Structure Works (Outside)**

- **Excavation:** 43,620/43,620m<sup>3</sup> (100%) open excavation completed at the end of December 2020.
- **Concrete Works:** 11,264m<sup>3</sup> / 21,515m<sup>3</sup> (52%) completed till end of May, 2022.

• **Inlet Lining Works (Inside)**

- **Concrete Works:** 5,475m<sup>3</sup> / 10,873m<sup>3</sup> (50%) completed till end of May, 2022.

• **Invert Levelling Concrete (C20)**

- L/S- 470m / 1,502m (31%)
- R/S- 780m/1,502m (52%)

• **Invert Structural Concrete (A35)**

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

• **Underground Excavation Works**

<b>DIVERSION TUNNEL NO.A (EXCAVATION PROGRESS)</b>			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1 <sup>st</sup>	1,470	1,470	100
2 <sup>nd</sup>	1,470	1,470	100
3 <sup>rd</sup>	1,470	1,405	96
4 <sup>th</sup>	1,470	1,372	93
5 <sup>th</sup>	55	55	100

- The underground excavation of upper section (1<sup>st</sup> layer) is completed and breakthrough was done on 23<sup>rd</sup> September, 2020 at CH.0+995.
- The second bench excavation commenced on April 16, 2020 and completed till end of the June, 2021. The excavated length is **1,470m/1,470m (100%)**.
- The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~ 1+405(1405m) .The Excavated Length is **1,405m/1,470m (96%)**.
- The fourth bench excavation commenced on October 16, 2020. It is also progressed from Adit Tunnel No.3 progress 0+1372. The excavated length is **1,372m/1,470m (93%)**.
- The 5<sup>th</sup> layer for inlet section was started on December 08, 2020 and completed Ch. 0+061 till end of March, 2021.
- Overall Excavation volume progress for DT.A at the end of May is **744,800m<sup>3</sup>/ 760,000m<sup>3</sup> (98%)**.

• **Outlet Structure Works**

- **Concrete Works:** 1034m<sup>3</sup> / 1874m<sup>3</sup> (55%) completed till end of May, 2022.

➤ **Diversion Tunnel No. B**

• **Inlet Structure Works (Outside)**

- **Excavation:** 41,395/41,395 m<sup>3</sup> (100%) open excavation completed at the end of December, 2020.
- **Concrete Works:** 11,014.5m<sup>3</sup>/ 21,600m<sup>3</sup> (51%) completed till end of May, 2022.

• **Inlet Lining Works (Inside)**

- **Concrete Works:** 5,807m<sup>3</sup> / 10,418m<sup>3</sup> (56%) completed till end of May, 2022.

• **Shear Zone Area**

- **Concrete Works:** 5,288m<sup>3</sup> / 9,045m<sup>3</sup> (58%) completed till end of May, 2022.

• **Invert Levelling Concrete (C20)**

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

- **Invert Structural Concrete (A35)**

- 205.50m / 1,309m (16%)

- **Underground Excavation Work**

<b>DIVERSION TUNNEL NO.B (EXCAVATION PROGRESS)</b>			
Layer No.	Total Length (m)	Completed Length (m)	%age Complete
1 <sup>st</sup>	1,270	1,270	100
2 <sup>nd</sup>	1,270	1,270	100
3 <sup>rd</sup> (Part-1)	1,270	1,228	97
3 <sup>rd</sup> (Part-2)	1,270	1,228	97
4 <sup>th</sup>	1,270	1,099	87
5 <sup>th</sup>	52.50	52.50	100

- The top bench excavation broke through on August 23, 2020. Enlargement at the outlet part is remaining for less than 10 m. Open excavation and support work of the outlet in progress.
- On December 17<sup>th</sup>, geological shear zone was encountered at CH.0+318 and tunnel support "Type II-6 (with lining concrete)" was applied. This supporting type continued till Ch.0+290 after that rock condition improved and support type changed to Type II-5.
- The second bench excavation was started on July 01, 2020. It is completed by end of June, 2021. The excavated length is **1,270m /1,270m (100%)**.
- The third bench (1<sup>st</sup> time) excavation was started on July 03, 2020. It is progressed from inlet side (till Ch. 0+350) and from Adit Tunnel No.3 (Ch. 0+350~1+228). The excavated length is **1,228m/1,270m (97%)**.
- The 3<sup>rd</sup> bench (2<sup>nd</sup> time) excavation was commenced on November 02, 2020. It is progressed from the inlet side (till Ch. 0+365) and from Adit Tunnel No.3 (Ch. 0+365~1+228). The excavated length is **1,228m/1,270m (97%)**.
- The 4<sup>th</sup> bench excavation was progressed from Adit Tunnel No.3 Ch. 1+099 (1099m). The excavated length is **1,099m/1,270m (87%)**.
- The 5<sup>th</sup> layer for inlet section was started on December 02, 2020 and completed on December 30, 2020.
- Overall Excavation progress for DT.B at the end of May is **649,900m<sup>3</sup>/ 670,000m<sup>3</sup> (97%)**.

- **Outlet Structure Works**

- **Concrete Works:** 1874.20m<sup>3</sup>/ 1874.20m<sup>3</sup> (100%) completed till end of May, 2022.

- **Inlet dyke**

- Concrete: completed on July 4, 2019.
- Permeability test around the inlet dyke started on January 29, 2020.
- Concrete Pouring for remaining Inlet Dyke completed during the month of May, 2022.

- **Diversion Tunnel Outlet dyke Construction Works**

- **Concrete Works:** for DT-A 100% completed on June 11, 2021
- for DT-B 100% completed on June 13, 2021

- **Diversion Channel on the right bank**

- No activity observed during the month of May, 2022.

- **Temporary facilities (Diversion tunnel Inlet side)**

- Gabion protection for CR2 Road river side 100%

- **Temporary facilities (Diversion tunnel outlet side)**

- Air supply station 100%
- Power station 100%
- Stone masonry for surface ditch on the EL. 785 Platform 100%

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

- Upstream Surface Excavation – 100%
- Underground Excavation Work- 398m / 1,365m (29%)
- Excavation of the Slope for Outlet- 6%

**(3) Steel Truss Bridge at Seo**

Right side Abutment construction

- Foundation Grouting – 100%
- Concrete placement – 100%

Left side Abutment construction

- Concrete placement – 100%
- Bridge Installation- 100%

**(4) 1# Batching Plant and 1# Crushing Plant at Uchar Area**

- 2# Retaining wall excavation Foundation- 100%
- Stone Masonry for retaining wall- 49%
- Concrete Placement for foundation of retaining wall (c20)- 23.3%
- Stone masonry for 6# and 7# retaining wall- 100%
- Coarse Crushing Platform Leveling- 100%

**Semi-Finished Corridor Construction**

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

**Course Crushing System**

- Floor Pouring- 100%
- Side Wall Pouring-79%
- Roof Pouring-0%

**Medium and fine sand Crushing System**

- Cushion Pouring- 100%
- Column Foundation-0%
- Pool Construction
- Foundation Excavation-0%
- Floor Pouring- 0%

**(5) Right Bank of DAM (Siglo Area)**

- Temporary Access Road Construction- 51%
- Excavation and support of Right Bank Cable crane Platform- 15%

**(6) Access Road to Left Bank Cable Crane Platform**

- Excavation of the first layer of CR5-2 Road- 83%
- Slope Excavation-8.4%
- Excavation of the second layer of CR5-2 Road- 21%
- LU1 Road Slope Support- 7.1%

**(7) Construction of Chillas Pozzolan Milling Plant**

- Equipment Installation of Chillas pozzolan milling plant- 96%

**(8) Aggregate Storage at CR9 Area**

- Construction of aggregate storage in CR9 Area- 100%

**(9) Uchhar Army Camp**

- Site Leveling – 100%

**(10) KASS Main Camp**

- Ground leveling for the Contractor's main camp-63%
- Building foundation of the board house- 43%
- Board room hoisting-30%
- Pool Construction-100%
- Stone Masonry for Retaining Wall-47%

- (11) Barseen Camp Almost completed
- (12) Pakistani Camp in Uchar completed
- (13) Uchar Chinese Labor Camp completed
- (14) Review of Contractor's Working Drawings

#### 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	<p>Diversion tunnel inlet access road CR-1 &amp; CR2 100% completed. Reinforcing of KKH retaining wall completed</p> <p>Slope protection of CR-1 along KKH completed</p> <p>Sedimentation tank around Adit Tunnel No. 1 &amp; 2 completed.</p>				
2	Uchar Nallah Water Inlet	<p>Installation of water supply pipe until dam site 100% completed on June.</p> <p>Intake structure 100% completed on June.</p>				
3	Barseen camp	Dormitory & canteen housing finished.				
4	Pakistani Camp	<p>Foundation Leveling: 100%</p> <p>Dormitory buildings : 100% , (8 dormitory houses, 1 Mosque and 1 canteen)</p>				
5	Uchar Chinese Labor Camp	<p>Construction of Prefabricated house: 100%</p> <p>Concrete Placement: 100%</p> <p>Fencing Wall: 100%</p>				
6	Diversion Tunnel	<p><b>1-1 # Adit tunnel</b> was completed on August 8, 2019.</p> <p><b>Adit Tunnel 1.</b> Sedimentation pond started operation on October 15, 2019</p> <p>1-2# Adit tunnel work started from 23<sup>rd</sup> September and completed at 804.6 m on April</p>	<p><b>Diversion and Adit Tunnels</b></p> <ul style="list-style-type: none"> <li>➤ <b><u>Diversion Tunnel No. A</u></b></li> <li>• <b><u>Inlet Structure Works (Outside)</u></b></li> <li>- <b>Concrete Works:</b> 11,264m<sup>3</sup> / 21,515m<sup>3</sup> (52%) completed till end of May, 2022.</li> <li>• <b><u>Inlet Lining Works (Inside)</u></b></li> <li>- <b>Concrete Works:</b> 5,475m<sup>3</sup> / 10,873m<sup>3</sup> (50%) completed till end of May, 2022.</li> <li>• <b><u>Invert Levelling Concrete (C20)</u></b></li> <li>- L/S- 470m / 1,502m (31%)</li> <li>- R/S- 780m/1,502m (52%)</li> </ul>			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		<p>18, 2021.</p> <p><b>2# Adit tunnel</b> underground excavation finished at the end of May. Sedimentation pond operation was started on August 6, 2019.</p> <p><b>3# Adit tunnel</b> underground excavation completed on 2nd April 2020.</p> <p><b>3-1# Adit tunnel</b> underground excavation (244m) was completed on December 13, 2020.</p> <p><b>AdIT Tunnel No.3</b> Sedimentation pond operation was started on August 8, 2019. Retaining wall and backfill was completed during July.</p> <p><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.</p> <p><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.</p> <p><b>Inlet dyke</b> Concrete: completed on July 4, 2019.</p> <p><b>Temporary facilities (Diversion tunnel outlet side)</b> Air supply station 100% Power station 100%</p> <p><b>Barseen Camp</b> Almost completed</p> <p><b>Pakistani Camp in Uchar</b></p>	<ul style="list-style-type: none"> <li>• <b><u>Invert Structural Concrete (A35)</u></b> 90m / 1,502m (6%)</li> <li>• <b><u>Underground Excavation Works</u></b> <ul style="list-style-type: none"> <li>- The underground excavation of upper section (1<sup>st</sup> layer) is completed and breakthrough was done on 23<sup>rd</sup> September, 2020 at CH.0+995.</li> <li>➤ The second bench excavation commenced on April 16, 2020 and completed till end of the June, 2021. The excavated length is <b>1,470m/1,470m (100%)</b>.</li> <li>➤ The third bench excavation commenced on June 27, 2020. It is progressed from inlet side from 0+000~ 1+405(1405m) .The Excavated Length is <b>1,405m/1,470m (96%)</b>.</li> <li>➤ The fourth bench excavation commenced on October 16, 2020. It is also progressed from Adit Tunnel No.3 progress 0+1372. The excavated length is <b>1,372m/1,470m (93%)</b>.</li> <li>➤ The 5<sup>th</sup> layer for inlet section was started on December 08, 2020 and completed Ch. 0+061 till end of March, 2021.</li> <li>➤ Overall Excavation volume progress for DT.A at the end of May is <b>744,800m<sup>3</sup>/ 760,000m<sup>3</sup> (98%)</b>.</li> </ul> </li> <li>• <b><u>Outlet Structure Works</u></b></li> <li>• <b><u>Concrete Works:</u></b> 1034m<sup>3</sup> / 1874m<sup>3</sup> (55%) completed till end of May, 2022.</li> <li>➤ <b><u>Diversion Tunnel No. B</u></b> <ul style="list-style-type: none"> <li>• <b><u>Inlet Structure Works (Outside)</u></b> <ul style="list-style-type: none"> <li>- <b><u>Concrete Works:</u></b> 11,014.5m<sup>3</sup>/ 21,600m<sup>3</sup> (51%) completed till end of May, 2022.</li> </ul> </li> <li>• <b><u>Inlet Lining Works (Inside)</u></b></li> <li>• <b><u>Concrete Works:</u></b> 5,807m<sup>3</sup> / 10,418m<sup>3</sup> (56%) completed till end of May, 2022.</li> <li>• <b><u>Shear Zone Area</u></b></li> <li>• <b><u>Concrete Works:</u></b> 5,288m<sup>3</sup> / 9,045m<sup>3</sup> (58%) completed till end of May, 2022.</li> </ul> </li> <li>• <b><u>Invert Levelling Concrete (C20)</u></b> <ul style="list-style-type: none"> <li>- L/S- 775.50m / 1,309m (59%)</li> <li>- R/S- 953m/1,309m (73%)</li> </ul> </li> <li>• <b><u>Invert Structural Concrete (A35)</u></b> 205.50m / 1,309m (16%)</li> <li>• <b><u>Underground Excavation Work</u></b> <ul style="list-style-type: none"> <li>- The top bench excavation broke through on August 23, 2020. Enlargement at the outlet part is remaining for less than 10 m. Open excavation and support work of the outlet in progress.</li> <li>- On December 17<sup>th</sup>, geological shear zone was encountered at CH.0+318 and tunnel support "Type II-6 (with lining concrete)" was applied. This supporting type continued till Ch.0+290 after that rock condition improved and support type changed to Type II-5.</li> <li>➤ The second bench excavation was started on July 01, 2020. It is completed by end of June, 2021. The excavated length is <b>1,270m /1,270m (100%)</b>.</li> <li>➤ The third bench (1<sup>st</sup> time) excavation was started on July 03, 2020. It is progressed from inlet side (till Ch. 0+350) and from Adit Tunnel No.3 (Ch. 0+350~1+228). The excavated length is <b>1,228m/1,270m (97%)</b>.</li> </ul> </li> </ul>			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		<p>completed</p> <p><b>Uchar Chinese Labor Camp</b> completed</p> <p><b>Left Bank Traffic Diversion</b> Inlet Surface Excavation – 100%</p> <p><b>Diversion Tunnel Outlet dyke Construction Works</b></p> <ul style="list-style-type: none"> <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> </ul> <p><b>Diversion Tunnel Outlet dyke Construction Works</b></p> <ul style="list-style-type: none"> <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> </ul> <p><b>Steel Truss Bridge at Seo Right side Abutment construction</b></p> <ul style="list-style-type: none"> <li>- Foundation Grouting – 100%</li> <li>- Concrete placement – 100%</li> </ul> <p><b>Left side Abutment construction</b></p> <ul style="list-style-type: none"> <li>- Concrete placement – 100%</li> <li>- Bridge Installation- 100%</li> </ul>	<ul style="list-style-type: none"> <li>➤ The 3<sup>rd</sup> bench (2<sup>nd</sup> time) excavation was commenced on November 02, 2020. It is progressed from the inlet side (till Ch. 0+365) and from Adit Tunnel No.3 (Ch. 0+365~1+228). The excavated length is <b>1,228m/1,270m (97%)</b>.</li> <li>➤ The 4<sup>th</sup> bench excavation was progressed from Adit Tunnel No.3 Ch. 1+099 (1099m). The excavated length is <b>1,099m/1,270m (87%)</b>.</li> <li>- The 5<sup>th</sup> layer for inlet section was started on December 02, 2020 and completed on December 30, 2020.</li> <li>- Overall Excavation progress for DT.B at the end of May is <b>649,900m<sup>3</sup>/ 670,000m<sup>3</sup> (97%)</b>.</li> <li>• <b>Outlet Structure Works</b></li> <li>- <b>Concrete Works:</b> 1874.20m<sup>3</sup>/ 1874.20m<sup>3</sup> (100%) completed till end of May, 2022.</li> <li>• <b>Inlet dyke</b></li> <li>- Concrete: completed on July 4, 2019.</li> <li>- Permeability test around the inlet dyke started on January 29, 2020.</li> <li>- Concrete Pouring for remaining Inlet Dyke completed during the month of May, 2022.</li> <li>➤ <b>Diversion Channel on the right bank</b></li> <li>- No activity observed during the month of May, 2022.</li> <li>➤ <b>Temporary facilities (Diversion tunnel Inlet side)</b> <ul style="list-style-type: none"> <li>○ Gabion protection for CR2 Road river side 100%</li> </ul> </li> <li>➤ <b>Temporary facilities (Diversion tunnel outlet side)</b> <ul style="list-style-type: none"> <li>- Air supply station 100%</li> <li>- Power station 100%</li> <li>- Stone masonry for surface ditch on the EL. 785 Platform 100%</li> </ul> </li> <li><b>Left Bank Traffic Diversion Tunnel</b> <ul style="list-style-type: none"> <li>- Upstream Surface Excavation – 100%</li> <li>- Underground Excavation Work- 398m / 1,365m (29%)</li> <li>- Excavation of the Slope for Outlet- 6%</li> </ul> </li> <li><b>1# Batching Plant and 1# Crushing Plant at Uchar Area</b> <ul style="list-style-type: none"> <li>- 2# Retaining wall excavation Foundation- 100%</li> <li>- Stone Masonry for retaining wall- 49%</li> <li>- Concrete Placement for foundation of retaining wall (c20)- 23.3%</li> <li>- Stone masonry for 6# and 7# retaining wall- 100%</li> <li>- Coarse Crushing Platform Leveling- 100%</li> </ul> </li> <li><b>Semi-Finished Corridor Construction</b> <ul style="list-style-type: none"> <li>- Leveling Concrete- 100%</li> <li>- Invert Slab- 100%</li> <li>- Reinforcement Binding- 100%</li> <li>- Side wall Concrete- 100%</li> <li>- Roof Pouring- 100%</li> </ul> </li> <li><b>Course Crushing System</b> <ul style="list-style-type: none"> <li>- Floor Pouring- 100%</li> <li>- Side Wall Pouring-79%</li> <li>- Roof Pouring-0%</li> </ul> </li> <li><b>Medium and fine sand Crushing System</b></li> </ul>			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
			<ul style="list-style-type: none"> <li>- Cushion Pouring- 100%</li> <li>- Column Foundation-0%</li> <li>Pool Construction</li> <li>- Foundation Excavation-0%</li> <li>- Floor Pouring- 0%</li> </ul> <p><b>Right Bank of DAM (Siglo Area)</b> Temporary Access Road Construction- 51% Excavation and support of Right Bank Cable crane Platform- 15%</p> <p><b>Access Road to Left Bank Cable Crane Platform</b> Excavation of the first layer of CR5-2 Road- 83%</p> <ul style="list-style-type: none"> <li>- Slope Excavation-8.4%</li> </ul> <p>Excavation of the second layer of CR5-2 Road- 21% LU1 Road Slope Support- 7.1%</p> <p><b>Construction of Chillas Pozzolan Milling Plant</b> Equipment Installation of Chillas pozzolan milling plant- 96%</p> <p><b>Aggregate Storage at CR9 Area</b> Construction of aggregate storage in CR9 Area- 100%</p> <p><b>Uchhar Army Camp</b> Site Leveling – 100%</p>			
7	Uchar Tentative Crushing Plant (River side)	All civil works and installation of machines completed	In operation			
8	Tentative Batching Plant (at Logro)	All civil works and installation of machines completed	In operation			
9	Kass		<p><b>KASS Main Camp</b></p> <ul style="list-style-type: none"> <li>• Ground leveling for the Contractor's main camp-63%</li> <li>• Building foundation of the board house- 43%</li> <li>• Board room hoisting-30%</li> <li>• Pool Construction-100</li> <li>• Stone Masonry for Retaining Wall-47%</li> </ul>			56% KASS Land handed over to the Contractor

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

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

- Delaying of Relocation KKH (KKH-01):
  - i) River diversion tunnels were revised (VO-003) to secure general traffic and to mitigate inundation risks of the existing KKH,
  - ii) Temporary facilities for construction of diversion tunnel were changed (VO-001 & VO-002) to compliance with increase of the work quantities of diversion tunnels, and
  - iii) Traffic bypass route of general traffic on the existing KKH is required (VO-004) to precede left bank excavation for the main dam.
- Delaying of Handover of Allotted Area:  
General layout of temporary facilities had been forced to rearrange within the limited land (VO-001, VO-002, and VO-005).

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

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

ID	Varied Works	Latest RFP	Contractor's Latest Proposal	Engineer's Assessment	Signed VO
VO-001	Construction Roads and Platforms for Diversion Facilities	06 Mar. 2020	20 Dec. 2021 PKR 1,130 mil.	30 Dec. 2021 PKR 967 mil.	<b>16 Jan 2022</b> <b>PKR 967 mil.</b>
VO-002	Adit Tunnels for Diversion Facilities	17 Jul. 2019	20 Dec. 2021 PKR 1,419 mil.	31 Dec. 2021 PKR 1,275 mil.	<b>16 Jan 2022</b> <b>PKR 1,275 mil.</b>
VO-003	River Diversion Tunnels	29 Sep. 2020	30 Oct. 2020 PKR 25,887 mil.	21 Jan. 2021 PKR 19,805 mil.	17 Nov 2021 PKR 19,805 mil.
VO-004	LB Traffic Diversion Scheme	12 Feb. 2021	20 Dec. 2021 PKR 1,060 mil.	20 Dec. 2021 PKR 991 mil.	<b>16 Jan 2022</b> <b>PKR 1,010 mil.</b>
VO-005	Land Lease at Purana Gao-Seo Area Phase- 1	N/A	N/A	N/A	01 July 2020 PKR 81 mil.

#### 4.6.6 Summary of Daily Work Records of MW-01

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

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

##### 4.7.1 General Contract Data of MW-02

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

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

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

##### 4.7.2 Progress Status of MW-02

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

**Table 4.24: Progress of MW-02 this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. Dasu-MW-02	59.3	87.2	7.2	0.99	0.10	95.9	7.3

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

##### 4.7.3 Major Activities of MW-02

The major construction activities undertaken during this month were:

###### 4.7.3.1 Preparatory Works

###### (1) Khushi Labour Camp

- Khushi Labour Camp is completed in 26<sup>th</sup> 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 13<sup>th</sup> of March 2020.
- 1<sup>st</sup> Blasting of CR4 was executed on 17 March 2020.
- Pilot road excavation of CR4 Road was completed.
- Pilot Road excavation for LU1 Road has been commenced.
- Access road of Power Intake Protection Fence Platform was commenced on 27<sup>th</sup> of October 2021.
- Power Intake Platform protection fence ch.0+113-0+133 are in progress. (April 2022)
- Surface Excavation for lowering level is in progress. (April 2022)
- Surface Boulders blasting is in progress. (May 2022)

###### (3) Khushi Batching Plant:

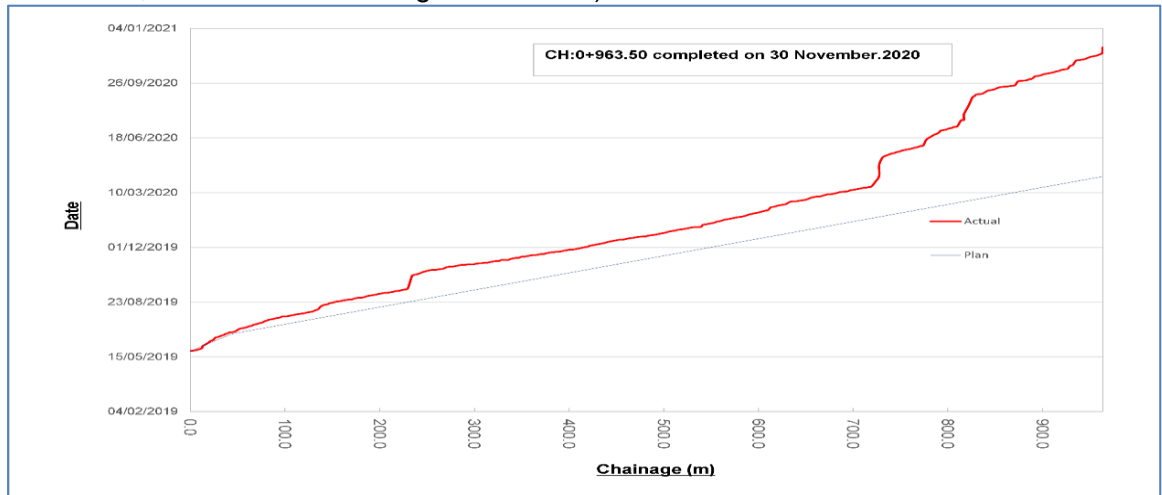
- The Engineer informed the Contractor that the remaining part of LD7 (1.982ha) at Khushi area, where the new batching plant will be constructed, was handed over on 03<sup>rd</sup> March 2020 by letter on 3<sup>rd</sup> of March 2020.



- Contractor submitted document for new batching plant in Khushi on 19<sup>th</sup> of February 2020. The Engineer reviewed and replied with comments by letter on 5<sup>th</sup> of March 2020.
- Khushi Batching Plant is still under assembly with the Aggregates bays being constructed along with the drainage pipe being installed.
- Civil works for aggregate storage area have been completed on 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 Main Access tunnel**

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



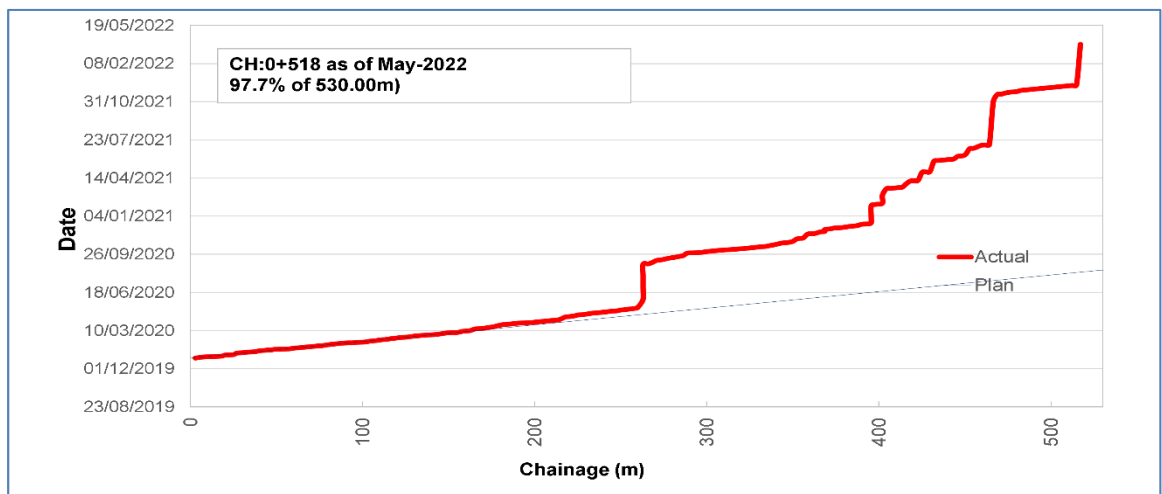
**Figure: Work Progress of Main Access Tunnel**

**4.7.3.3 Main Access Platform**

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

**4.7.3.4 Surge Chamber Vault Access Tunnel**

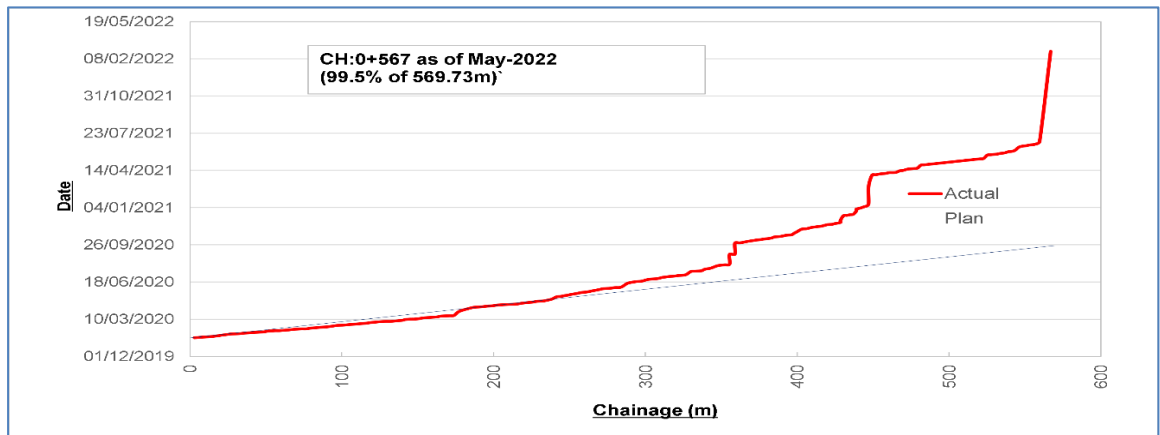
- Excavation of Surge Chamber Vault Access Tunnel was started on 29 Dec 2019.
- Work progress of Surge Chamber Vault Access Tunnel in March 2022: 0.00m (518.00 m in total, 97.7 % of total length of 530.0 m)



**Figure: Work Progress of Surge Chamber Vault Access Tunnel**

#### 4.7.3.5 Service Tunnel A

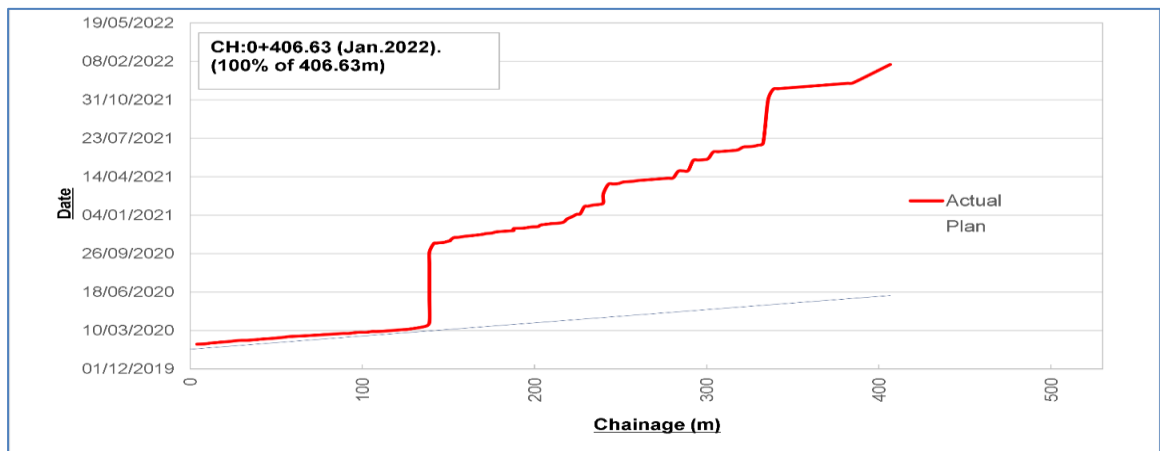
- Excavation of Service Tunnel A was started on 20 January 2020.
- Work progress of Service Tunnel A in April 2022: 0.00m (567 m in total, 99.5% of total length of 569.73m)



**Figure: Work Progress of Service Tunnel A**

#### 4.7.3.6 Service Tunnel C

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



**Figure: Work Progress of Service Tunnel C**

#### 4.7.3.7 GIS Room Access Tunnel

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

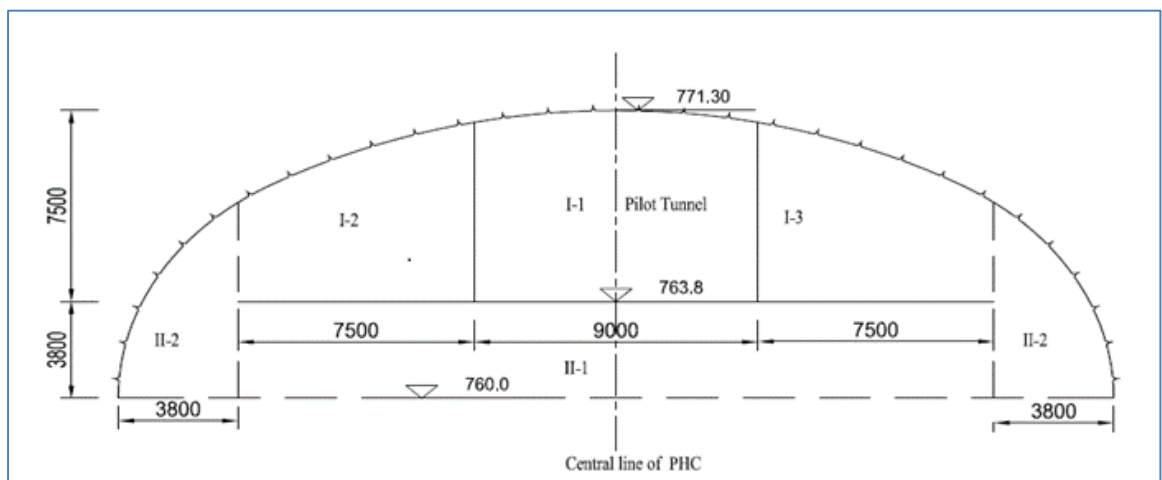
#### 4.7.3.8 Exhaust Tunnel

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

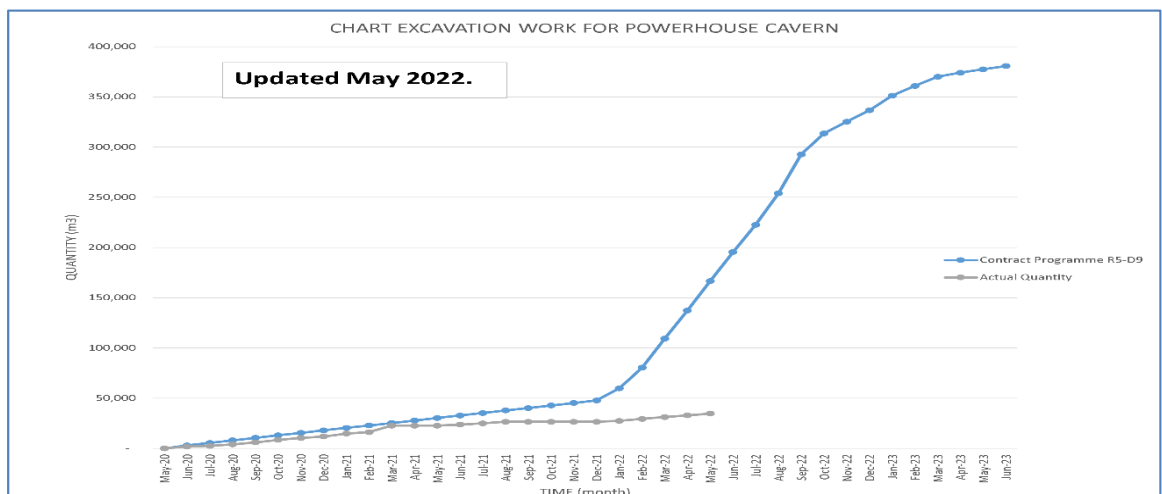
### 4.7.3.9 Underground Powerhouse

#### Crown Portion

- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) was commenced on 23 May 2020.
- Pilot excavation was completed.
- Work progress of the Tunnel in May 2022 is 41 m (211.0m of I-2 Enlargement (Left Wall) Tunnel of total length 242m).
- I-3 Enlargement (Right Wall) Tunnel of total length 242m). (I-3 Enlargement was completed in March 2022)
- Total Excavation Volume of May. 2022 is 34719.33 of Total Powerhouse Cavern Excavation Volume of 378,570.46 m<sup>3</sup> which is the progress of **9.17%** in total.
- Support Work is in progress for the overall Crown Pilot Portion.



**Figure: Section of Powerhouse Cavern Bench 1**



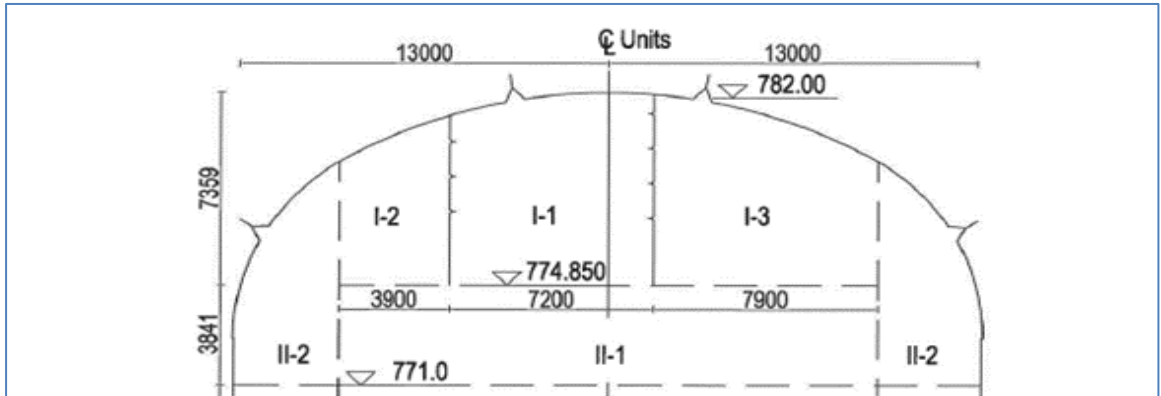
**Figure Work Progress of Pilot tunnel Excavation of Powerhouse Cavern Bench 1**

### 4.7.3.10 Underground Transformer Cavern

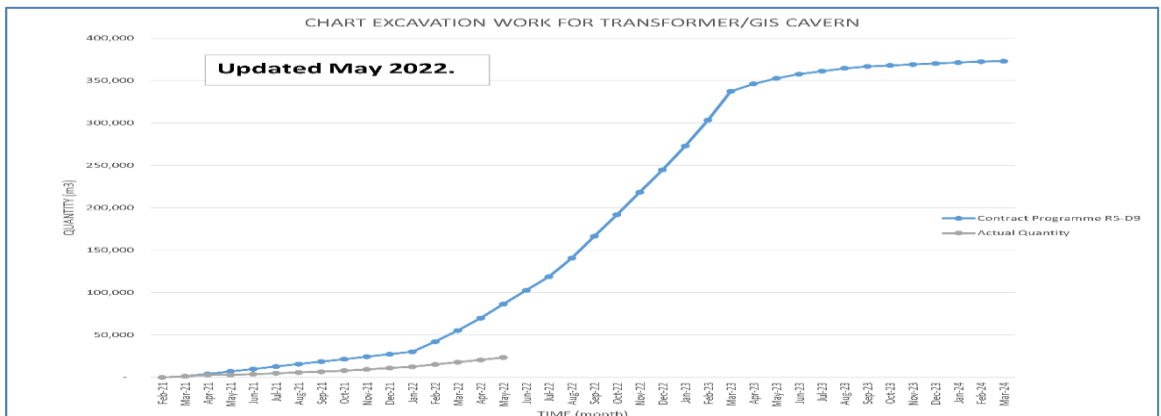
#### Crown Portion

- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) was commenced on 04 June 2020.
- Updated rock support drawings were issued on 02 June 2020.
- (241.5 m of I-1 Pilot Tunnel of the total length of 242m). (Excavation was Completed I-1 in the Month of December 2021)

- Work progress of the Tunnel in May 2022: 72.00m (212.0m of I-2 Enlargement (Left Wall) Tunnel of total length 242m). (Support work is in progress)
- Work progress of the Tunnel in May 2022:35.00m (121.0m of I-3 Enlargement (Left Wall) Tunnel of total length 242m)
- Total Excavation Volume of May. 2022 is 20712.84 of Total Transformer Cavern Excavation Volume of 234,829.30 m3 which is the progress of **9.97%** in total.
- The Contractor was installed the PS tendons/anchors for trial after the results of the water pressure test were accepted by the Engineer.



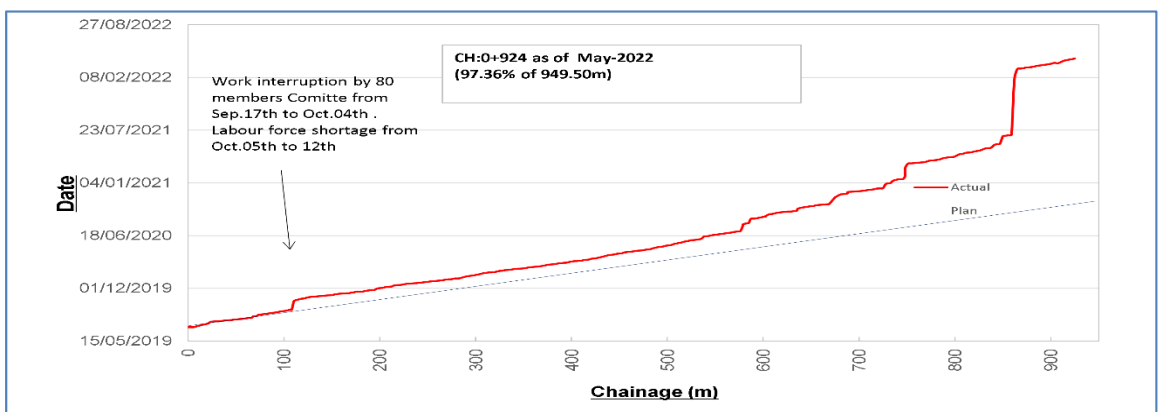
**Figure: Section of Transformer/GIS Cavern Excavation Bench Diagram**



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

#### 4.7.3.11 Drain Tunnel

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



**Figure: Work progress of Drain Tunnel**

**4.7.3.12 Connection Tunnel to Transformer Cavern**

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

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

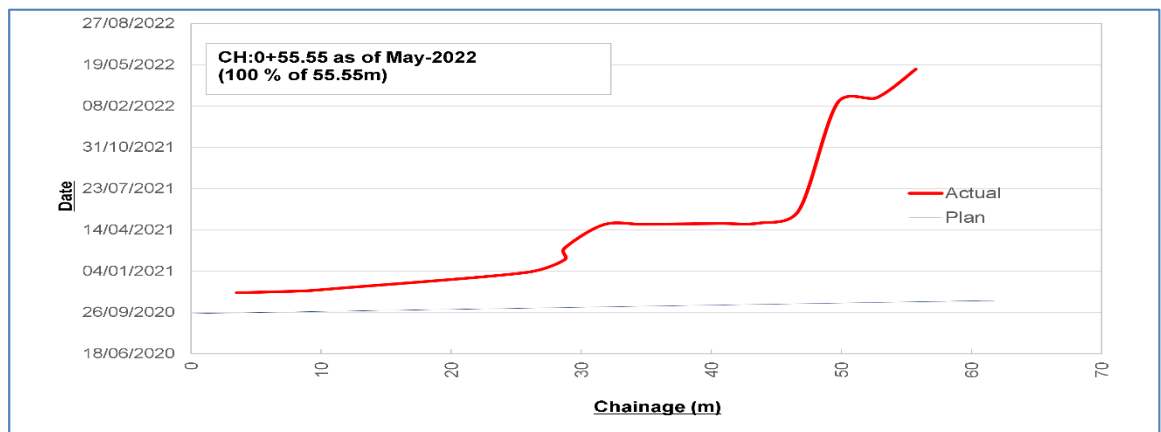
- Tunnel was commenced on 06 May 2020.
- Tunnel has been completed on 21 May 2020.

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

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

**4.7.3.15 Penstock Adit Tunnel No.01**

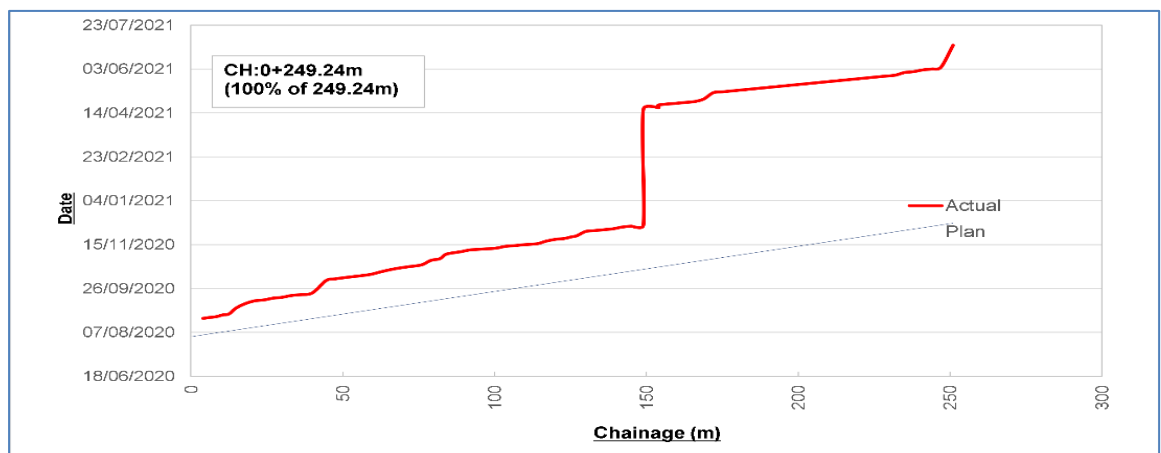
- Tunnel excavation was commenced on 12 November 2020.
- Work progress of the Penstock Adit Tunnel No.01 in May 2022: 2.55m (53 m in total, 95.4% of total length of 55.55m).
- Lowerpressure#1 Tunnel excavation was in progress (Started 08/05/2022)



**Figure: Work Progress of Penstock Adit Tunnel No.01**

**4.7.3.16 Penstock Adit Tunnel No.02**

- Tunnel excavation was commenced on 23 August 2020.
- Work progress of the Penstock Adit Tunnel No.02 in April 2022: 0.00m (249.24 m in total, 100 % of total length of 249.24m).
- Tunnel design length has been achieved on 7 June 2021.
- Lowerpressure#2 Tunnel excavation was in progress (Started 21/05/2022)



**Figure: Work Progress of Penstock Adit Tunnel No.02**

#### 4.7.3.17 Permanent Access Road LD 7

- Pilot excavation and initial slope protection
- Second stage excavation and initial support works were conducted between Ch:0+325 to 0+650.
- No Activity due to diversion of the access road to LD7 for CR-9 area access. (May 2022)

#### 4.7.3.18 Switchyard

- The Engineer issued a day work order to install a fence along the local residential area with blind curtain prior to land handover on 25th February 2020 to proceed with the portal work, safely.
- Fence material arrived on 9th March 2020. However, the Contractor has not started fencing work yet, since the Contractor shifted all materials and works to the Adit No.3 of Diversion Tunnel (MW-01).
- Engineer asked Contractor to start the activity at Switchyard during joint inspection dated 31st of October 2021.
- Engineer asked Contractor for Join Inspection to commence the activity at Switchyard area on 2nd December 2021.
- Demolishing of local houses / with self-resettlement has been in progress (December 2021) at Switchyard Area.
- Topographic Survey for the Initial Excavation is in progress.
- Joint inspection was conducted to specify the Boundary of Switchyard Area and Relocated KKH Tunnel A. (Joint Inspection Attended WAPDA, CGGC, CCECC, and DHC Engineer).
- Preparatory work for switchyard area Labour Camp.
- Joint topographic survey has been conducted by Contractor (CGGC) and Engineer.
- Reinforcement and formwork of the water tank are in progress.
- Removing of Dumping material by Daywork is in progress.
- Excavation of 1<sup>st</sup> layer/Bench was started on 14 April 2022. (In Progress)
- Excavation of 1<sup>st</sup>, 2<sup>nd</sup> and 5 layer/Bench was in progress (May 2022)

#### 4.7.3.19 Daywork Order in the month of April 2022

- Removing of Dump Material from Switchyard area.

#### 4.7.4 Location wise Status of MW-02

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

**Table 4.25 Location wise Status (MW-02)**

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
1	Steel Truss (Superstructure)	30 Oct.2018 Preparation work has been started. 24 Nov.2018 CB200 on the left bank has been completed. 25 Nov.2018 Erection of temporary nose beam has been stated. 30 Dec. 2018 Main bridge CB450 was moved at the designated position. 07Jan. 2019: Move down of CB450 at the	1) The Contractor submitted the drawings however the essential information was lacked and rejected on 16 August 2018. 2) The Contractor submitted MS	1) The Contractor submitted required documents. However, most of the documents are insufficient. 2) Securing safety of the site erection work for steel truss superstructure. 3) Landowner at right bank frequently stop the construction work. 4) Improvement approach road for public use on right bank has been started on 24August 2019and was completed on 08 Aug.2019.	1) Bridge installation work will be delayed drastically because of the Contractor's poor method statement and quality management. 2) Due to poor coordination, the erection work will be delayed	1) The Engineer instructed the Contractor to take contract oral procedure on 16 August 2018. 2) The Engineer reviewed his method statement carefully and suggested appropriate installation method. 3) The Engineer will dispatch experienced instructor for steel bridge erection. 4) The Engineer repeatedly conducts verbal explanation and issue the letter to fulfil contractual requirement for bridge truss installation. 5) Engineer repeatedly explains importance of safety measure to the Contractor by verbal explanation and letter. 6) Engineer repeatedly instructs to finalize method statement of truss bridge by verbal explanation and letter

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		designated position. 11 Jan. 2019: CB450 has been completed. 24 Feb. 2019 CB200 on RB has been completed	however, internal coordination is required.  LEI N/A	LEI N/A	drastically. (Construction will have a serious impact resulting in delay(s).)  LEI N/A	7) Engineer checked the status of landowner's interruption 8) Engineer requested to change layout the route of the approach road. 9) Engineer issued daywork order to construct RB approach road on 03 July 2019 10) Engineer issued daywork order to improve RB approach road for public use on 21 August 2019.
2	Main Access Portal	Work and Issue was completed on 22 May 2019	LEI N/A	LEI N/A	LEI N/A	LEI N/A
3	Main Access Tunnel	Started on 21 May 2019. Excavated up to 509m as of 31Dec.2019	Geological condition gradually becomes good.	1) Portal is located small fault zone of Khushi contact. 2) Tunnel geology is not so good because of Khushi contact	LEI N/A	1) Engineer instructed to shift portal location 2) Engineer instructed to install canopy tube at portal and fore-poling at cutting face. 3) Engineer carefully observed geological conditions and issue timely instruction to cope with site geology. 4) Continued above 3) in Dec.2019
4	LD7	Excavation work started on 13 July 2019. However, due to bad geology the work as suspended on 14 July 2019.	LEI N/A	1) Contractor requested to relocation houses at Khushi area (above Seo Bridge) 2) Along the LD7, excavated material during KKH construction is deposited. The deposit is much larger than expected amount.	LEI N/A	1) The Engineer frequently requested the Employer to relocate the houses. 2) The Engineer carefully observing geological condition and issue timely instruction or revised drawings to cope with actual site geology. 3) Continued about 2) in Oct.2019. 4) No Activity (May2022)
5	Barseen	LEI N/A	LEI N/A	Handover of the remaining land is urgently required for temporary facilities.	LEI N/A	1) Coordinating with the Employer to expedite land acquisition process.
6	Uchar	LEI N/A	LEI N/A	Handover of the land is urgently required for temporary facilities. The Contractor requested to handover the land on 01 August 2019 to construct his batching plant	LEI N/A	1) Coordinating with the Employer to expedite land acquisition process 2) Engineer suggested the Employer to replace CCCECC'S plant with the CGGC's new plant.
7	Kass	LEI N/A  LEI N/A	LEI N/A  LEI N/A	Handover of the land is urgently required for temporary facilities/waste disposal.  LEI N/A	LEI N/A  LEI N/A	1) Coordinating with the Employer to expedite land acquisition process. 2) Demolishing existing houses is in progress 3) Excavation of access road for Camp is in progress. 4) Demolishing of Local Houses by day work order is in progress. 5) Installation of pre-Cast room for the CGGC Chinese Dormitory. (In Progress April 2022) 6) Stone Masonry Stone is in progress (Breast Wall) 7) (In Progress May 2022)
8	Khushi Labour camp	LEI N/A  LEI N/A	The Employer made payment for temporary relocation to the landowners Land issues has been resolved on 16 December 2019  LEI N/A	The labour camp area has been handed over on 15 March 2019. Demolishing houses have been completed on 20 March 2019. Engineer issued daywork order to demolish houses on 03 August 2019. However, due to the slow progress of self-relocation, the demolishing work has not been completed	The Contractor will issue claim for delaying land handover for Labour camp.  LEI N/A	1) Coordinating with the Employer to expedite land acquisition process. 2) The Engineer proposed alternative land to the Employer. Coordination with stakeholders is in progress. 3) Khushi Labour Camp is completed but the Pakistani staff yet to be shifted. 4) Engineer reminded the Employer to enforce demolishing houses by letter. 5) Engineer issued a daywork order for demolishing houses on 08 March 2019 and the work has been started on 14 March 2019. 6) Engineer issued daywork order to demolish houses on 03 August 2019 7) The Engineer requested the Employer to enhance self-relocation 8) Khushi Labour Camp is Completed in June 2021
9	Khushi Parking area	LEI N/A	Land issue has been solved on middle of July 2019.	Land was handed over on 27 December 2018 The Contractor intended to use the land only for low flow season. The Contractor informed that landowner interrupted his work	LEI N/A	1) Employer suggested using phase -2 of colony area. The Engineer is coordinating with Zonghmi Contractor. 2) Engineer informed the Employer to solve landowner issue ASAP
10	Khushi Spoil Bank and Batching Plant	Left Empty Intentionally	The Employer coordinated with C&W to relocate	The Contractor proposed new layout of spoil bank and batching plant in Khushi.	His proposal requires shifting CCECC's spoil bank and	1) The Engineer is conducting justification study of the proposal and request the Contractor to provide supporting document. 2) The Engineer coordinates the contractors to arrange relocation area

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		LEI NA	his bridge girders from Batching plant area  LEI NA	LEI NA	coordination with local bridge contractor in Khushi.  LEI NA	<p>of the girders</p> <p>3) The Engineer continuously conducts coordination of 2) above.</p> <p>4) The remaining part of Khushi Batching Plant site was handed over on 02 March 2020</p>
11	Switchyard Area	LEI N/A	Self-relocation has been completed in the month of August 2021 Self-relocation along access road to vent tunnel was completed in Feb.2020	<p>1) Contractor requested hand over of switchyard area to start vent tunnel</p> <p>2) Contractor requested to hand over the whole area of the switchyard.</p> <p>3) Some residents interrupted the Contractor's activity Due to lack of material and workforce the Contractor shifted the material and workers to Adit No.3 outlet.</p>	Switchyard construction work may be critical work if the whole area will not be completed within December 2019.	<p>1) Engineer to propose pertain handover to start vent tunnel.</p> <p>2) Engineer identified partial hand over area by several discussions with Contractor.</p> <p>3) The Engineer informed the Employer the land should be handed over in the middle of June by letter on May2019.</p> <p>4) The Engineer reminded the Employer in Nov.2019</p> <p>5) The Engineer carefully monitors the self-relocation process in Jan.2020</p> <p>6) The Engineer issued instruction to install fence and blind curtain around residential area on 27 February 2020.</p> <p>7) The Engineer requested the Contractor to prioritize his work and to show resource arrangement of each workforce.</p> <p>8) Engineer asked Contractor to start the activity at Switchyard during joint inspection dated 31 October 2021.</p> <p>9) Engineer asked Contractor for Join Inspection to commence the activity at switchyard area on 2nd December 2021.</p> <p>10) Demolishing of Local Houses by day work order is in progress</p> <p>11) Removing of Dump/spoil material by Daywork in progress (January 2022).</p> <p>12) Joint Topographic Survey Is in progress for initial Excavation.</p> <p>13) Joint Topographic Survey has been done (Feb.2022.)</p> <p>14) Preparatory work for the Local Labour Camp at Switch Area.</p> <p>15) Excavation for Water Tank is in progress.</p> <p>16) Reinforcement and formwork of the water tank are in progress.</p> <p>17) Removing of Dumping material by Daywork is in progress</p> <p>18) Excavation of 1st layer 16 April 2022.</p> <p>19) Excavation of 2<sup>nd</sup> and 5<sup>th</sup> Layer was in progress.</p>
12	Intake (Logro area above KKH)	LEI N/A	Payment of self-relocation has been made	<p>Self-relocation has been completed partial on 12 November 2019.</p> <p>Logro 1 area was partially handed over on 13 December 2019.</p> <p>Relocation of graves in the hand over is required.</p> <p>The contractor is informing that Logro-1 is not handed over by letter on 17 Jan.2020</p>	Intake construction work may be critical work, if the land handover will not be completed in August 2019	<p>1) The Engineer informed the Employer the land should be handed over in the middle of June by letter in May 2019.</p> <p>2) The Engineer reminded the Employer in Sep. 2019.</p> <p>3) The Engineer confirmed status with the Employer in Oct.2019</p> <p>4) The Engineer suggested the Contractor to change temporary road alignment to avoid excavating graveyard</p> <p>5) Engineer replied that the Contractor shall secure and protect the handed over area.</p> <p>6) Engineer is instructed to relocate timber at upstream of Logro1 Area on 20 February 2020.</p> <p>7) A part of the Logro 1 area (0.53 ha) was handed over on 13 March 2020.</p> <p>Power intake protection fence excavation was commenced on the 28<sup>th</sup> of October 2021 and still is in progress.</p> <p>Blasting of surface boulders and lowering surface level was in progress (May 2022.)</p>
13	Barseen Spoil Bank	To accommodate spoil material excavated from Main work site the Engineer requested CCECC to share his spoil bank at Barseen with CGGC.	Under negotiation with CCECC	CCECC refused the Engineer's proposal	Spoil bank for main work construction will be short.	<p>1) The Engineer is negotiating with CCECC to share the spoil bank at Barseen</p> <p>2) The Engineer instructed the Contractor to use the Barseen Spoil bank on 27 November</p>

Note: The quantities and percentages mentioned herewith are approximate physical measurement.

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

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



#### 4.7.6 Dewatering Record

Dewatering Record during Contractor's Suspension Work- for the Month of May 2022 MW-02						
Workforce			Equipment			Remarks
Type	Location	Qty	Type	Power/Capacity	Qty	
Tech. Staff	MAT 0+370	0	Water Pump	75Kw	2	One Operator Visiting Different Faces
Electrician		1				
Skilled		1				
Tech. Staff	MAT 0+510	0	Water Pump	7.5kw	1	
Tech. Staff		0				
Electrician		0				
Skilled		1				
Tech. Staff	STA To PA & STA 0+300	0	Water Pump	7.5Kw	1	
Tech. Staff		0		75Kw	2	
Electrician		0				
Skilled		1				
Tech. Staff	PH	0	Water Pump	45Kw	2	
Tech. Staff		0				
Electrician		0				
Skilled	ADFT	1				
Tech. Staff		0	Water Pump	7.5kw	1	
Tech. Staff		0				
Electrician		0				
Skilled	MAT 0+820	1				
Tech. Staff		0	Water Pump	75Kw	2	
Tech. Staff		0				
Electrician		1				
Skilled	CR-9 PowerStation	1				
Tech. Staff		0				
Tech. Staff		1				
Electrician		1				
Skilled		0	Generator	880KVA	1	

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

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

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

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

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

##### 4.8.2 Progress Status of LBRV-11

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

**Table 4.27: Progress of LBRV-11 this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-LBRV-11	41.2	176.7	29.5	-	7.62	100.0	37.1

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

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

The following are major construction activities undertaken during this month:

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

###### ➤ Khoshe Site-01

- Road sub grade laying in progress.
- Pcc on permanent access road in progress.

➤ **Khoshe Site-02**

- No activity

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

- No activity

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

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

**Table 4.28: Location wise Status (LBRV-11)**

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Khoshe-1	Water tank, septic tank, anaerobic tank, stone masonry retaining walls, manholes, Mosque & Khuprail tile, backfill of retaining wall Completed slope protection at 2 <sup>nd</sup> , 3 <sup>d</sup> terrace completed. PAR excavation Completed .slope protection completed.	Road sub grade laying in progress. Pcc on permanent access road in progress.		Slope Protection	
2	Khoshe-2	Link-01, Land Development and stone masonry safety wall, RCC sewerage line is completed			Nil	
3	Uchar 01	Site is handed over to local people except Mosque on 05 <sup>th</sup> November, 2020 Mosque grey structure and boundary wall, Sewerage line & soakage pit completed	No activity.		Nil	

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

**4.9.1 General Contract Data of LBRV-12**

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

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

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

**4.9.2 Progress Status of LBRV-12**

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

**Table 4.30: Progress of LBRV-12 this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-LBRV-12	41.2	183.7	19.6	-	3.02	100.0	22.6

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

**4.9.3 Major Activities of LBRV-12**

The major construction activities undertaken during this month were:

**(1) At Nasirabad- Site-1**

- PCC road in progress.
- Slope protection in progress at 2<sup>nd</sup> terrace.
- Boundary wall of mosque and washroom in progress.
- Shortcrete for slope protection at 1<sup>st</sup> terrace in progress.
- Water supply work in progress.

**(2) At Nasirabad- Site-2**

- Water supply work in progress
- Water tank construction in progress.
- Slope protection is in progress.
- Boundary wall in progress.

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

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

**Table 4.31: Location wise Status (LBRV-12)**

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Nasirabad-1	Excavation for plots and road completed. Septic tank completed. Stone masonry retaining wall completed. Water tank completed. Sewerage work 98% completed. mosque frame structure completed.	Pcc road in progress. Slope protection in progress at 2 <sup>nd</sup> terrace. Boundry wall of mosque and washroom in progress. Shortcrete for slope protection at 1 <sup>st</sup> terrace in progress. Water supply work in progress.			
2	Nasirabad-2	Excavation of plots and road completed. Stone masonry retaining wall completed. Septic tank completed. anaerobic tank completed. pcc of road completed. mosque structure completed. sewerage work 98 % completed.	Water supply work in progress Water tank construction in progress. Slope protection is in progress. Boundry wall in progress			

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

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

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

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

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

##### 4.10.2 Progress Status of PCI-01R

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

**Table 4.33: Progress of PCI-01R this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-PCI-01R	36.4	152.2	54.0	-	3.27	100.0	57.3

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

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

The major construction activities undertaken during this month were:

- Marble grinding at project office ground floor and first floor is in progress.
- Stair marble work is in progress.
- Cremics tiles fixing is in progress at project office first floor and second floor.
- False ceiling work is in progress at project office.
- Electrical work at project office including Internet cable, Firm Alarm cable, TV & Telephone cable.
- Paint work is in progress at project office.
- Electrical pole Excavation is in progress.
- Plaster work is in progress at cat 2C.
- Plaster work is in progress at cat 2D.
- Boundary wall excavation of Cat1 units is in progress
- Paint work – primer coat of Cat 1 units is in progress.

- Ceramic and poreclean tile work of Cat1 units is in progress.
- Electrical wiring and DBs work of Cat1 units is in progress.

#### 4.10.4 Location wise Status of PCI-01R

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

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

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Project Colony at Choochang	<p>PROJECT OFFICE</p> <p>Frame structure &amp; block masonry at G.F, 1st floor, 2nd floor and mummy floor is completed. Plaster work completed. Marble tiles fixing completed except stairs. Alluminium work of windows completed. Internal premier completed up to 95%. Residence cat 1 fame structure completed.</p> <p>RESIDENCE CAT-1 blocks masonry work completed. Plaster work completed .marble tiles up to 65% completed.</p> <p>RESIDENCE CAT-2: Frame structure work completed.</p> <p>RESIDENCE CAT 2. Block masonry completed and plaster work completed.</p> <p>Residence Cat-2A: Frame structure work completed.</p> <p>Residence cat 2A: block masonry work and plaster work completed. Completed.</p> <p>Residence Cat-2B: frame structure and block masonry work completed .plaster work up to 95 % completed.</p> <p>Residence Cat-2C: frame structure and block masonry completed.</p> <p>Residence Cat-2D: Farm structure and block masonry completed.</p> <p>Cat-3A: frame structure completed.</p> <p>Cat-3B: frame structure completed except part 1, 2 f/f.</p> <p>3C: ground floor slabs completed.</p> <p>Cat-3D: Footing, g/f columns &amp; RCC retaining walls completed</p> <p>Cat-4A: frame structure completed.</p> <p>4B: frame structure completed.</p> <p>Stone masonry &amp; RCC retaining walls completed.</p> <p>Cat-4C: frame structure completed except f/f slab part 1, 2 and 3.</p> <p>P1 Road-RCC retaining Wall concrete, backfilling and stone masonry parapet wall is completed.</p> <p>Community Center block masonry under plinth completed.</p>	<p>Marble grinding at project office ground floor and first floor is in progress.</p> <p>Cremics tiles fixing is in progress at project office first floor and second floor.</p> <p>False ceiling work is in progress at project office.</p> <p>Electrical work at project office including Internet cable, Firm Alarm cable, TV and Telephone cable.</p> <p>Paint work is in progress at project office.</p> <p>Electrical pole Excavation is in progress.</p> <p>Plaster work is in progress at cat 2C.</p> <p>Plaster work is in progress at cat 2D.</p> <p>Boundary wall excavation of Cat1 units is in progress</p> <p>Paint work – primer coat of Cat 1 units is in progress.</p> <p>Ceramic and poreclean tile work of Cat1 units is in progress.</p> <p>Electrical wiring and DB,s work of Cat1 units is in progress</p>			

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

##### 4.11.1 General Contract Data of RV

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

**Table 4.35: General Contract Data of Dasu-RV**

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

##### 4.11.2 Progress Status of RV

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

**Table 4.36: Progress of Dasu-RV this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Schedule d (%)	Actual (%)
ICB No. DASU-RV	35.5	197.6	37.5	-	0.50	100.0	38.0

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

##### 4.11.3 Major Activities of RV

The major construction activities undertaken during this month were:

###### (1) Additional Choochang site 1

- The Site has been handed over to the Employer.

**(2) Choochang Site 1**

- Stone masonry retaining wall is in progress.
- Septic tank work is in progress.

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

- Retaining wall work in progress.

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

- No activity

**(5) Shatial Rock Carving Site**

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

**4.11.4 Location wise Status of Dasu RV**

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

**Table 4.37: Location wise Status (DASU-RV)**

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Shatial Rock Carving	Stone masonry of road retaining wall (P1-P2), (P2-P3), (P3-P4) is completed.	No activity.	Work stop due to social issue	-	Employer will take action on this.
2	Additional Choochang	Handed over to Local community on 5 <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	Stone masonry retaining wall is in progress. Septic tank work is in progress.	Nil	Nil	Nil
4	Choochang-2	Nil	Not yet started	Work stopped due to non-availability of Access road land.	Access is required	Nil
5	Choochang-3	Nil	Not yet started	Work stopped due to non-availability of Access road land.	Access is required	Nil
6	KUZ Choochang lower portion & upper portion	Excavation is completed at lower Kuz Choochang	Retaining wall construction in progress.	Nil	Nil	PAR is decided and Layout drawing issued to the Contractor for the shop drawing

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

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

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

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

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

#### 4.12.2 Progress Status of EM-01

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

**Table 4.39: Progress of EM-01 this Month**

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-EM-01	24.4	40.0	3.5	0.69	0.16	5.6	3.7

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

#### 4.12.3 Major Activities of EM-01

The major construction activities undertaken during this month were:

- Design of equipment was conducted continuously in home office.
- Procurement of material for turbine and generator has been conducted.
- Progress of manufacturing equipment was limited to the draft tube which will be delivered to site on October 2022.
- The Contractor has continued earthwork and boundary wall construction work for his camp.

### 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	8,628,983.85	2,726,702,454				
Sr. No.	Inv. No.	Description	Submitted To Wapda			Payments Received From WAPDA *				
			Date	JPY	EURO	PKR	Date	JPY	EURO	PKR
1		Mobilization Advance		0	0	0	10.04.2015	284,715,484	777,494.84	167,799,158
2	001	Aug-14	06.03.2015	8,405,708	150.00	16,562,851		0	0.00	0
3	002	Sep-14	06.03.2015	11,922,037	150.00	18,508,898		0	0.00	0
4	003	Oct-14	06.03.2015	22,629,091	150.00	18,580,716		0	0.00	0
5	004	Nov-14	16.03.2015	27,598,424	29,849.00	27,713,464		0	0.00	0
6	005	Dec-14	18.03.2015	25,234,974	28,994.00	20,594,485		0	0.00	0
7	006	Jan-15	24.03.2015	12,711,871	16,375.00	29,801,646		0	0.00	0
8	007	Feb-15	30.03.2015	12,841,559	32,919.00	19,037,857		0	0.00	0
9	008	Mar-15	19.06.2015	21,055,679	44,401.00	29,446,228		0	0.00	0
10	009	Apr-15	19.06.2015	26,370,102	22,116.00	25,287,607		0	0.00	0
11	010	May-15	19.06.2015	19,567,111	45,421.00	28,157,418		0	0.00	0
12	011	Jun-15	27.07.2015	18,599,162	57,684.00	29,568,830		0	0.00	0
13	012	Jul-15	20.08.2015	11,939,864	39,018.00	28,833,478		0	0.00	0
14	013	Aug-15	23.09.2015	11,447,313	66,020.00	34,179,554		0	0.00	0
15	014	Sep-15	20.10.2015	15,648,775	61,828.00	29,842,901		0	0.00	0
16	015	Oct-15	23.11.2015	18,420,095	57,606.82	53,248,321	29.02.2016	0	0.00	5,751,295
17	016	Nov-15	21.12.2015	23,367,864	53,588.90	29,564,237	03.02.2016	0	0.00	9,211,398
18	017	Dec-15	25.01.2016	18,530,461	43,902.00	29,012,517	29.02.2016	0	0.00	9,475,900
19	018	Jan-16	26.02.2016	23,422,910	59,880.00	46,873,375	28.03.2016	0	0.00	13,388,161
20	018-R**	From Aug 2014 to Dec 2015	24.03.2016	0	0.00	40,964,475	12.04.2016	0	0.00	15,759,401
21	019	Feb-16	31.03.2016	20,078,687	48,599.00	28,361,112	18.05.2016	0	0.00	10,076,078
22	019-R***	From Aug 2014 to Jan 2016	07.04.2016	0	0.00	12,023,529	18.05.2016	0	0.00	1,481,194
23	020	Mar-16	22.04.2016 Resubmitted on 30.06.2016	23,432,735	58,393.00	25,971,654	19.07.2016	0	0.00	12,581,502
24	021	Apr-16	20.05.2016 Resubmitted on 28.07.2016	18,431,384	58,223.00	24,185,560	08.09.2016	0	0.00	14,436,817
25	022	May-16	20.06.2016 & PKR resubmitted on 22/09/2016	17,749,931	43,655.00	30,528,705	07.10.2016 & JPY & EURO 27.02.2017	7,057,385	0.00	19,625,266
26	Final Supplementary Invoice	For the month of July 2013, June 2014 & July 2014 Assignment-A	29.06.2016	3,818,324	2,741.93		JPY 27.12.2016 & EURO 03.01.2017	2,432,327	1,717.14	
27	Final Supplementary Invoice	From Sep 2011 to July 2014 Assignment-A	11.07.2016			47,341,439	23.11.2016	0	0.00	14,855,888
28	023	Jun-16	26.07.2016 & PKR submitted on 09/09/2016	19,139,749	36,432.57	27,473,100	11.11.2016 & JPY & EURO 27.02.2017	14,345,806	0.00	17,670,947
29	Arrears of Escalation	From Oct 2015 to Apr 2016	28.07.2016	0	0.00	1,355,438	07.10.2016	0	0.00	413,116
30	024	Jul-16	24.08.2016 & PKR submitted on 31/10/2016	20,944,715	61,066.95	24,665,984	30.12.2016 & JPY & EURO 27.02.2017	16,193,143		15,846,067
31	025	Aug-16	28.09.2016 & PKR Submitted on 19/12/2016	28,898,700	59,162.13	21,740,830	06.03.2017 & JPY & EURO 27.02.2017	22,370,210	15,264.32	18,538,901
32	026	Sep-16	25.10.2016 & PKR Submitted on 12.01.2017	20,457,552	33,105.11	32,972,027	06.03.2017 & JPY & EURO 27.02.2017	15,933,806	25,748.04	29,723,302
33	027	Oct-16	06.12.2016 & PKR 14.02.2017	14,676,229	56,107.14	22,391,491	JPY & EURO 27.02.2017 & PKR 10.04.2017	11,298,749	44,624.14	17,951,057
34	028	Nov-16	12.01.2017 & PKR Submitted on 22.03.2017	17,010,852	52,348.86	22,566,949	JPY 03.04.2017 & EURO 20.04.2017 & PKR 24.04.2017	13,561,713	41,751.99	17,202,754
35	001S to 005S	From Aug 2014 to Dec 2014	17.01.2017	35,021,686	16,189.72	50,871,653	19.06.2017 & Remuneration JPY 19.01.2018	9,296,144		25,721,225
36	006S to 011S	From Jan 2015 to Jun 2015	23.01.2017 & JPY & EURO on 24.01.2017	36,756,702	69,747.67	85,353,118	PKR Remuneration 19.06.2017 & PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & EURO Remuneration 29.01.2018	6,660,958	10,514.98	52,016,281
37	PST	Claimed PST Withheld from Assignment-B Invoices from Aug 2014 to Jul 2016	03.02.2017			61,313,933	17.01.2017 & 13.02.2017			61,313,933
38	012S to 017S	From Jul 2015 to Dec 2015	JPY & EURO 03.02.2017 & PKR 06.02.2017	36,713,717	83,680.21	93,151,635	PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & PKR Remuneration 15.11.2018	10,508,656		54,091,709
39	PST	Claimed PST withheld from Assignment-A Invoices	03.02.2017			5,399,488	PKR Remuneration & Reimbursable 04.02.2019			4,927,884
40	029	Dec-16	09.02.2017 & PKR 18.04.2017	9,687,563	45,911.56	24,460,842	JPY 03.04.2017 & EURO 20.04.2017 & PKR 17.05.2017	7,767,335	37,719.01	17,535,952
41	018S to 026S	From Jan 2016 to Sept 2016	22.02.2017 & PKR 13.04.2017	53,959,508	118,419.93	72,655,226	Jan 2016 & Feb 2016 PKR Reimbursable 19.10.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 15.11.2018 & PKR Remuneration (Arrears of Escalation) 15.11.2018 & PKR Remuneration 11.04.2019	3,249,301		21,244,401



42	030	Jan-17	13.03.2017 & PKR 09.06.2017	11,265,956	43,683.70	27,832,378	JPY 10.04.2017 & EURO 24.04.2017 & PKR 17.07.2017	8,584,183	35,141.90	23,123,731
43	031	Feb-17	28.04.2017 & PKR 29.06.2017	11,051,050	54,667.29	24,625,784	07.06.2017 & 08.06.2017 & PKR Remuneration 27.07.2017 & PKR Reimbursable 06.09.2017	8,685,804	43,511.06	18,200,721
44		Topographical Survey & Geological Investigations & Tax on Reimbursable Assignment-A	03.05.2017			13,642,099				
45	032	Mar-17	11.05.2017 & PKR 19.07.2017	15,970,258	51,374.51	25,592,856	07.06.2017 & 08.06.2017 & PKR Remuneration 06.09.2017 & PKR Reimbursable 28.11.2017	12,524,914	41,337.00	18,351,490
46	033	Apr-17	01.06.2017 & PKR 23.08.2017	12,781,338	26,299.29	26,070,330	JPY 17.08.2017 & EURO 28.08.2017 & PKR Remuneration 19.10.2017 & PKR Reimbursable 21.12.2017	10,404,229	21,503.04	18,834,526
47	034	May-17	EURO 23.06.2017 & JPY 29.06.2017 & PKR Remuneration 14.09.2017 & PKR Reimbursable 18.09.2017	39,936,930	55,714.50	27,133,610	Remuneration JPY 17.08.2017 & EURO 28.08.2017 & Remuneration PKR 14.11.2017 & Reimbursable PKR 28.11.2017 & Reimbursable JPY 19.01.2018 & EURO Reimbursable 29.01.2018	32,079,999	44,725.14	18,701,410
48	035	Jun-17	11.08.2017 & PKR 09.10.2017	18,594,227	48,853.54	28,277,373	PKR Remuneration 21.12.2017 & PKR Reimbursable 24.01.2018 & JPY & EURO 07.03.2018	14,869,448	39,543.20	17,561,796
49	036	Jul-17	13.09.2017 & PKR 06.11.2017	18,438,264	37,552.83	25,611,161	PKR Remuneration 21.12.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 24.01.2018 & EURO Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018	13,544,246	30,479.94	15,695,688
50	037	Aug-17	05.10.2017 & PKR Remuneration 06.12.2017 & PKR Reimbursable 07.12.2017	22,283,721	39,071.29	26,800,350	Remuneration JPY 19.01.2018 & PKR Remuneration 24.01.2018 & EURO Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018.	13,524,337	31,475.13	13,785,805
51	038	Sep-17	30.11.2017 & PKR 11.12.2017	25,275,450	55,319.25	36,272,828	PKR Remuneration 24.01.2018 & JPY Remuneration 02.02.2018 & EURO Remuneration 06.02.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018.	16,737,519	39,191.87	29,029,316
52	039	Oct-17	18.12.2017 & PKR Remuneration 12.01.2018 & PKR Reimbursable 26.01.2018	30,965,060	48,541.16	24,755,246	JPY & EURO 07.03.2018 & PKR 07.03.2018	21,993,304	22,393.73	15,289,782
53	040	Nov-17	28.12.2017 & PKR Remuneration 02.02.2018 & Reimbursable 07.02.2018	24,890,298	41,737.97	24,452,117	JPY & EURO 07.03.2018 & PKR 27.03.2018	17,614,630	21,996.73	15,454,332
54	041	Dec-17	26.01.2018 & PKR Remuneration 06.03.2018 & Reimbursable 30.03.2018	26,066,347	76,887.16	40,807,244	JPY & EURO 07.03.2018 & PKR 25.05.2018	16,523,377	39,755.19	32,281,427
55	042	Jan-18	23.02.2018 & PKR Remuneration 13.03.2018 & Reimbursable 23.04.2018	24,236,376	63,217.93	58,859,377	JPY 26.03.2018 & EURO 27.03.2018 & PKR Remuneration 25.05.2018 & PKR Reimbursable 21.06.2018	14,993,551	35,810.16	17,564,044
56	043	Feb-18	30.03.2018 & PKR Remuneration 19.04.2018 & Reimbursable 21.05.2018	28,152,289	54,667.29	28,490,928	JPY 23.05.2018 & EURO 24.05.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 18.07.2018	19,670,980	43,511.06	17,650,847
57	044	Mar-18	PKR Remuneration 25.04.2018 & JPY & EURO 30.04.2018 & PKR Reimbursable 30.05.2018	36,295,537	52,761.29	29,253,565	JPY 19.06.2018 & EURO 20.06.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 13.08.2018	25,775,591	42,328.19	16,065,238
58	045	Apr-18	PKR Remuneration 01.06.2018 & JPY & EURO 14.06.2018 & PKR Reimbursable 16.07.2018	32,505,357	52,708.81	35,840,584	PKR Remuneration 18.07.2018 & JPY 30.07.2018 & EURO 31.07.2018 & PKR Reimbursable 10.09.2018	21,316,744	42,275.71	21,301,930
59	025S to 029S	From Aug 2016 to Dec 2016 Supplementary	PKR Reimbursable 22.06.2018			1,275,354	PKR Reimbursable 15.11.2018			1,151,599
60	030S to 035S	From Jan 2017 to Jun 2017 Supplementary	PKR Reimbursable 22.06.2018			22,576,668	PKR Reimbursable 20.02.2019			20,675,144
61	036S to 041S	From Jul 2017 to Dec 2017 Supplementary	PKR Reimbursable 22.06.2018			11,466,211	PKR Reimbursable 20.02.2019			11,043,683
62	046	May-18	PKR Remuneration 25.06.2018 & JPY & EURO 06.07.2018 & PKR Reimbursable 27.07.2018	32,008,847	46,592.45	30,724,047	PKR Remuneration & Reimbursable 10.09.2018 & JPY 13.09.2018 & EURO 14.09.2018	21,610,245	37,673.66	12,938,115
63	047	Jun-18	JPY & EURO 06.08.2018 & PKR Remuneration 07.08.2018 & PKR Reimbursable 31.08.2018	35,266,862	55,283.25	28,514,236	JPY & EURO 26.09.2018 & PKR Remuneration & Reimbursable 16.10.2018	25,217,683	44,127.01	10,704,248
64	048	Jul-18	PKR Remuneration 30.08.2018 & JPY & EURO 05.09.2018 & PKR Reimbursable 09.10.2018	32,147,418	45,863.63	31,146,584	PKR Remuneration 16.10.2018 & PKR Reimbursable 11.12.2018 & JPY & EURO 17.12.2018	21,964,368	37,099.32	10,408,872
65	049	Aug-18	JPY & EURO 25.09.2018 & PKR Remuneration 11.10.2018 & PKR Reimbursable 07.11.2018	25,432,383	39,013.50	29,369,478	PKR Remuneration 15.11.2018 & JPY & EURO 17.12.2018 & PKR Reimbursable 18.01.2019	17,212,308	31,374.11	11,224,532
66	050	Sep-18	JPY & EURO 08.11.2018 & PKR Remuneration 08.11.2018 & PKR Reimbursable 11.12.2018	39,850,521	53,658.43	28,933,129	PKR Remuneration 11.12.2018 & JPY & EURO 17.01.2019 & PKR Reimbursable 18.01.2019	30,044,462	43,061.56	10,047,290
67	025S to 031S	From Oct 2016 to Apr 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY 13.12.2018 & JPY resubmitted on 24.04.2019	1,116,215		8,259,285	PKR Remuneration 11.04.2019 & JPY 17.07.2019	802,442		6,175,779
68	034S to 041S	From May 2017 to Dec 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY & EURO 13.12.2018 & JPY & EURO resubmitted on 25.04.2019	22,029,176	68,383.85	23,991,175	PKR Remuneration 11.12.2018 & JPY & EURO 17.07.2019	17,327,640	55,071.04	18,445,696
69	040S to 048S	From Nov 2017 to Jul 2018 Supplementary	PKR Remuneration & Reimbursable 20.11.2018 & JPY & EURO 13.12.2018 & PKR resubmitted on 28.03.2019. JPY & EURO resubmitted on 07.05.2019.	25,644,843	18,643.45	104,355,765	PKR Reimbursable 29.05.2019 & PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019	19,999,819	15,119.47	84,652,061
70	Arrears of Escalation	From Oct 2017 to May 2018	PKR Remuneration 23.11.2018			4,035,216	PKR Arrears of Escalation 11.04.2019			1,271,759
71	051	Oct-18	JPY & EURO 04.12.2018 & PKR Remuneration 19.12.2018 & Reimbursable 31.01.2019	40,454,707	75,582.07	31,586,089	JPY & EURO 17.01.2019 & PKR Remuneration 20.02.2019 & PKR Reimbursable 14.03.2019	28,889,800	61,067.49	10,333,221

72	052	Nov-18	JPY & EURO 01.01.2019 & PKR Remuneration 02.01.2019 & Reimbursable 08.02.2019	41,317,140	85,200.25	29,612,815	PKR Remuneration 20.02.2019 & JPY 28.02.2019 & EURO 01.03.2019 & PKR Reimbursable 14.03.2019	29,887,757	49,817.33	9,027,308
73	Arrears of Escalation	Oct-18	PKR Remuneration 11.01.2019			739,718	PKR Arrears of Escalation 14.05.2019			154,889
74	053	Dec-18	PKR Remuneration 15.01.2019 JPY & EURO 11.02.2019 & PKR Reimbursable 26.03.2019	31,942,910	101,848.50	32,553,105	JPY 26.03.2019 & EURO 27.03.2019 & PKR Remuneration 11.04.2019 & PKR Reimbursable 14.05.2019.	22,385,178	59,806.28	20,237,682
75	054	Jan-19	PKR Remuneration 19.02.2019 JPY & EURO 26.02.2019 & PKR Reimbursable 10.05.2019	21,550,814	85,535.58	34,254,443	PKR Remuneration 14.03.2019 & JPY 26.03.2019 & EURO 27.03.2019 & PKR Reimbursable 25.07.2019.	17,201,786	53,092.20	21,134,328
76	055	Feb-19	PKR Remuneration 04.04.2019 & JPY & EURO 09.04.2019 & PKR Reimbursable 22.05.2019	33,275,362	109,184.58	30,115,175	JPY 10.05.2019 & EURO 13.05.2019 & PKR Remuneration 14.05.2019 & PKR Reimbursable 25.07.2019.	26,050,980	86,872.11	26,465,134
77	049S to 052S & 054S	From Aug 2018 to Nov 2018 & Jan 2019 Supplementary	PKR Remuneration 11.04.2019 PKR & Reimbursable 15.04.2019 & JPY & EURO 29.05.2019.	22,845,819	50,545.90	95,850,188	PKR Remuneration 29.05.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	18,077,618	40,588.79	82,621,973
78	056	Mar-19	PKR Remuneration 30.04.2019 & JPY & EURO 15.05.2019 & PKR Reimbursable 27.06.2019	28,469,007	110,926.51	32,011,879	PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	21,481,129	88,780.92	28,304,851
79	057	Apr-19	PKR Remuneration 24.05.2019 & JPY & EURO 17.06.2019 & PKR Reimbursable 12.07.2019	32,083,700	100,912.16	45,226,298	JPY & EURO 19.07.2019 & PKR Remuneration 05.08.2019 & PKR Reimbursable 18.09.2019	25,621,145	80,991.61	35,201,624
80	058	May-19	PKR Remuneration 29.06.2019 & JPY & EURO 09.07.2019 & PKR Reimbursable 19.07.2019	48,913,348	104,280.03	40,084,902	PKR Remuneration 05.08.2019 & JPY & EURO 07.08.2019 & PKR Reimbursable 31.10.2019	38,792,523	84,037.20	36,049,192
81	059	Jun-19	PKR Remuneration 26.07.2019 & PKR Reimbursable 05.08.2019 & JPY & EURO 11.09.2019	41,230,758	107,591.61	35,881,227	PKR Remuneration 18.09.2019 & PKR Reimbursable 31.10.2019 & JPY & EURO 21.11.2019	31,909,521	76,286.52	31,366,838
82	Arrears of Escalation	Oct-2018 Supplementary	PKR Remuneration 19.08.2019			538,449	PKR Remuneration 31.10.2019			414,169
83	060	Jul-19	PKR Remuneration 06.09.2019 & JPY & EURO 17.09.2019 & PKR Reimbursable 25.09.2019	41,502,491	140,944.13	50,840,724	PKR Remuneration 31.10.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 03.12.2019	31,563,206	90,942.77	43,128,562
84	053S	Dec-2018 Supplementary	PKR Remuneration 30.09.2019			11,476,907	PKR Remuneration 03.12.2019			8,799,116
85	061	Aug-19	PKR Remuneration 30.09.2019 & JPY & EURO 23.10.2019 & PKR Reimbursable 26.10.2019	37,231,310	89,562.05	42,727,013	PKR Remuneration 03.12.2019 & JPY & EURO Remuneration 09.01.2020 & PKR Reimbursable 07.02.2020 & JPY & EURO Reimbursable 28.02.2020	29,041,127	73,020.65	35,430,131
86	062	Sep-19	PKR Remuneration 13.11.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 29.11.2019	38,733,736	129,812.23	43,387,882	PKR Remuneration 14.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	30,883,076	103,716.04	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	135,856.32	50,181,714	PKR Remuneration 24.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	24,793,910	108,677.40	41,393,909
88	054S to 060S	From Jan 2019 to Jul 2019 Supplementary	JPY & EURO 09.12.2019	5,092,138	60,973.69		Reimbursable JPY 28.04.2020 & Reimbursable EURO 30.04.2020 & JPY & EURO Remuneration 15.05.2020	3,353,531	49,458.37	
89	064	Nov-19	PKR Remuneration 20.12.2019 & JPY & EURO 07.01.2020 & PKR Reimbursable 10.01.2020	45,807,870	115,221.62	43,571,960	JPY & EURO 28.02.2020 & PKR Remuneration 18.03.2020 & PKR Reimbursable 04.05.2020	36,488,385	94,006.17	34,852,280
90	065	Dec-19	PKR Remuneration 23.01.2020 & JPY & EURO 29.01.2020 & PKR Reimbursable 10.03.2020	40,957,503	141,050.29	58,976,694	JPY & EURO 11.03.2020 & PKR Remuneration 08.04.2020 & PKR Reimbursable 10.06.2020	32,462,083	113,144.20	50,261,213
91	Arrears of Escalation	From Oct 2019 to Nov 2019	PKR Remuneration 31.01.2020			5,266,917	PKR Arrears of Escalation 14.04.2020			4,044,354
92	066	Jan-20	PKR Remuneration 24.02.2020 & JPY & EURO 09.03.2020 & PKR Reimbursable 27.04.2020	35,922,505	146,377.95	52,379,808	PKR Remuneration 02.04.2020 & JPY & EURO 15.05.2020 & PKR Reimbursable 06.07.2020	28,616,260	117,384.14	46,172,804
93	067	Feb-20	PKR Remuneration 18.03.2020 & JPY & EURO 07.04.2020 & PKR Reimbursable 09.06.2020	38,743,766	158,283.84	50,877,843	PKR Remuneration 04.05.2020 & JPY & EURO 25.06.2020 & PKR Reimbursable 03.08.2020	28,986,611	126,018.58	44,233,452
94	068	Mar-20	PKR Remuneration 28.04.2020 & JPY & EURO 05.05.2020 & PKR Reimbursable 15.07.2020	45,523,859	160,794.84	56,498,786	JPY & EURO 02.07.2020 & PKR Remuneration 03.08.2020 & PKR Reimbursable 02.11.2020	33,489,540	123,560.27	49,674,390
95	069	Apr-20	PKR Remuneration 22.06.2020 & JPY & EURO 07.07.2020 & PKR Reimbursable 25.08.2020	36,087,897	165,009.75	52,033,891	PKR Remuneration 03.08.2020 JPY 07.08.2020 & EURO 10.08.2020 & PKR Reimbursable 02.11.2020	26,950,173	131,521.04	45,136,180
96	070	May-20	PKR Remuneration 23.06.2020 & JPY & EURO 08.07.2020 & PKR Reimbursable 10.09.2020	29,407,988	165,663.69	51,755,642	PKR Remuneration 17.09.2020 & JPY 28.09.2020 & EURO 25.09.2020 & PKR Reimbursable 28.10.2020	21,116,812	89,724.84	43,199,160
97	071	Jun-20	PKR Remuneration 19.08.2020 & JPY & EURO 21.08.2020 & PKR Reimbursable 29.09.2020 resubmitted on 15.12.2020	32,122,120	165,189.75	49,538,690	PKR Remuneration 02.11.2020 & JPY & EURO 02.12.2020 & PKR Reimbursable 20.01.2021	25,263,288	131,721.05	40,122,417
98	072	Jul-20	PKR Remuneration 31.08.2020 & JPY & EURO 08.09.2020 & PKR Reimbursable 23.10.2020 resubmitted on 15.12.2020	32,771,320	103,073.49	56,796,363	PKR Remuneration 02.11.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 24.02.2021	25,931,960	84,063.43	44,997,291
99	073	Aug-20	PKR Remuneration 25.09.2020 & JPY & EURO 30.09.2020 & PKR Reimbursable 31.12.2020	34,054,161	121,793.46	55,615,127	PKR Remuneration 28.10.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 08.03.2021	26,896,979	98,976.32	46,537,554
100	074	Sep-20	PKR Remuneration 19.10.2020 & JPY & EURO 21.10.2020 & PKR Reimbursable 08.02.2021 resubmitted on 25.03.2021	38,528,252	165,009.75	56,635,346	JPY & EURO 17.12.2020 & PKR Remuneration 21.12.2020 & PKR Reimbursable 03.05.2021	30,758,356	131,541.05	49,292,375
101	061S to 070S	From Aug 2019 to May 2020 Supplementary	JPY & EURO 28.10.2020	11,647,508	59,527.03		JPY 19.02.2021 & EURO 17.02.2021	9,190,079	48,748.56	

102	075	Oct-20	PKR Remuneration 13.11.2020 & JPY 27.11.2020 & EURO 19.11.2020 & PKR Reimbursable 19.03.2021	45,952,237	160,742.41	53,295,719	PKR Remuneration 07.01.2021 & JPY & EURO 12.01.2021 & PKR Reimbursable 20.05.2021	34,606,197	128,533.11	46,509,885
103	076	Nov-20	PKR Remuneration 21.12.2020 & JPY & EURO 28.12.2020 & PKR Reimbursable 13.04.2021	55,457,397	117,756.28	59,839,602	PKR Remuneration 20.01.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 31.05.2021	40,049,051	97,431.74	53,069,623
104	01S to 05S & 08S	From Aug 2014 to Dec 2014 & Mar 2015 177-M Supplementary	PKR Reimbursable 04.01.2021			1,735,825				
105	077	Dec-20	PKR Remuneration 20.01.2021 & JPY & EURO 04.02.2021 & PKR Reimbursable 15.04.2021	53,686,285	134,364.15	61,213,773	PKR Remuneration 24.02.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 30.06.2021	38,693,932	109,079.95	53,872,497
106	Arrears of Escalation	From Oct 2020 to Nov 2020	PKR Remuneration 08.02.2021			4,367,028	PKR Arrears of Escalation 29.03.2021			3,357,254
107	059S to 065S	From Jun 2019 to Dec 2019 Supplementary	PKR Remuneration 26.02.2021			13,201,527	PKR Remuneration 26.04.2021			10,306,734
108	066S to 074S	From Jan 2020 to Sep 2020 Supplementary	PKR Remuneration 02.03.2021			12,219,301	PKR Remuneration 26.04.2021			9,533,351
109	I.Tax-REIMB-001	From Aug 2014 to Jul 2016	PKR Reimbursable 06.04.2021			7,677,758				
110	078	Jan-21	PKR Remuneration 26.07.2021 & JPY & EURO 27.07.2021 & PKR Reimbursable 27.07.2021	48,993,921	156,845.57	61,580,382	PKR Remuneration 12.08.2021 & PKR Reimbursable 10.09.2021 & JPY & EURO 13.09.2021	39,022,205	126,910.21	53,961,613
111	079	Feb-21	PKR Remuneration 28.07.2021 & PKR Reimbursable 28.07.2021 & JPY & EURO 02.08.2021	39,842,807	156,803.46	61,119,247	PKR Remuneration 10.09.2021 & PKR Reimbursable 24.09.2021 & JPY & EURO 08.10.2021	31,550,549	126,897.82	53,919,977
112	080	Mar-21	PKR Remuneration 02.08.2021 & JPY & EURO 02.08.2021 & PKR Reimbursable 02.08.2021	46,933,791	117,734.60	60,828,467	PKR Remuneration 24.09.2021 & JPY & EURO 08.10.2021 & PKR Reimbursable 15.10.2021	37,273,926	94,772.04	53,809,689
113	081	Apr-21	PKR Remuneration 02.08.2021 & JPY & EURO 03.08.2021 & PKR Reimbursable 02.08.2021	50,360,981	135,755.23	61,848,229	JPY & EURO 08.10.2021 & PKR Remuneration 15.10.2021 & PKR Reimbursable 02.11.2021	40,499,764	109,590.46	54,878,121
114	082	May-21	PKR Remuneration 06.08.2021 & JPY & EURO 06.08.2021 & PKR Reimbursable 06.08.2021	38,398,709	117,955.04	66,602,680	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 26.11.2021	30,708,564	95,752.56	59,499,966
115	083	Jun-21	PKR Remuneration 09.08.2021 & JPY & EURO 10.08.2021 & PKR Reimbursable 07.09.2021	41,331,568	125,544.91	73,154,118	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 31.12.2021	31,899,578	103,265.24	66,199,405
116	084	Jul-21	JPY & EURO 02.09.2021 & PKR Remuneration 07.09.2021 & PKR Reimbursable 27.09.2021	37,031,624	174,114.00	62,486,066	JPY & EURO 29.10.2021 & PKR Remuneration 26.11.2021 & PKR Reimbursable 11.01.2022	29,628,387	141,530.44	55,495,681
117	085	Aug-21	PKR Remuneration 22.09.2021 & PKR Reimbursable 22.10.2021 & JPY & EURO 25.10.2021	43,337,513	162,190.11	65,776,983	PKR Remuneration 26.11.2021 & JPY & EURO 09.12.2021 & PKR Reimbursable 07.02.2022	35,807,673	144,519.98	58,797,008
118	086	Sep-21	PKR Remuneration 29.10.2021 & JPY & EURO 03.11.2021 & PKR Reimbursable 24.12.2021	32,714,524	181,227.84	68,477,340	JPY & EURO 15.12.2021 & PKR Remuneration 31.12.2021 & PKR Reimbursable 03.03.2022	27,949,152	161,641.28	65,011,885
119	DHC-DD-001	Double Deduction of Audit Recovery	PKR 18.11.2021			471,604				
120	072S to 077S	From July 2020 to Dec 2020 Supplementary	JPY 29.11.2021	13,829,217			JPY 15.02.2022	11,645,309		
121	078S to 084S	From Jan 2021 to July 2021 Supplementary	JPY & EURO 02.12.2021	1,767,800	3,475.15		EURO 14.02.2022 JPY 15.02.2022	1,255,200	2,781.66	
122	087	Oct-21	PKR Remuneration 02.12.2021 & JPY & EURO 08.12.2021 & PKR Reimbursable 03.01.2022	41,115,860	197,497.85	66,395,695	PKR Remuneration 11.01.2022 & JPY & EURO 19.01.2022 & PKR Reimbursable 24.03.2022	32,512,800	174,016.82	62,947,262
123	088	Nov-21	PKR Remuneration 31.12.2021 & JPY & EURO 05.01.2022 & PKR Reimbursable 18.01.2022	59,389,109	203,783.52	62,723,287	PKR Remuneration 07.02.2022 & EURO 14.02.2022 & JPY 15.02.2022 & PKR Reimbursable 08.04.2022	47,145,767	183,359.70	58,989,159
124	089	Dec-21	PKR Remuneration 25.01.2022 & JPY & EURO 11.02.2022 & PKR Reimbursable 14.03.2022	56,775,167	180,336.31	68,206,392	PKR Remuneration 03.03.2022 & JPY & EURO 14.04.2022 & PKR Reimbursable 23.04.2022	47,869,445	140,687.23	63,350,345
125	Arrears of Escalation	From Aug 2014 to Sep 2021	JPY & EURO 18.02.2022	86,181,370	366,027.56		JPY 10.05.2022 & EURO 09.05.2022	74,889,089	322,243.93	
126	090	Jan-22	PKR Remuneration 02.03.2022 & JPY & EURO 04.03.2022 & PKR Reimbursable 29.03.2022	47,988,271	231,246.06	78,338,629	PKR Remuneration 24.03.2022 & JPY & EURO 09.05.2022	35,849,929	183,998.96	27,773,543
127	091	Feb-22	PKR Remuneration 18.03.2022 & JPY & EURO 04.04.2022 & PKR Reimbursable 28.04.2022	49,351,025	238,651.09	72,344,440	PKR Remuneration 23.04.2022			24,855,768
128	Arrears of Escalation	From Oct 2021 to Dec 2021	PKR Remuneration 30.03.2022			7,068,517	PKR Arrears of Escalation 26.05.2022			6,160,113
129	092	Mar-22	PKR Remuneration 25.04.2022 & JPY & EURO 28.04.2022	49,365,007	249,212.40	32,128,217				
130	093	Apr-22	PKR Remuneration 27.05.2022 & JPY & EURO 31.05.2022	50,667,037	244,679.02	31,968,608				
131										
Total				3,206,471,174	9,446,026.50	4,511,612,578		2,223,352,171	6,637,918.14	3,061,756,445

**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	Add. Land for Wapda Offices & colony at Chuchang	2015-16	294,493,544
3	23/11/2015	CONTRACTOR CAMP UCHAR NULLAH DASU	2015-16	5,822,142
4	23/11/2015	CONTRACTOR CAMP ZAAL SEO	2015-16	16,714,957
5	03/02/2016	KKH-01	2015-16	658,041,445
6	16/05/2016	Protection of Rock Carving at Shatial	2015-16	6,623,625
7	16/05/2016	Ucher Access Road.	2015-16	79,999,633
8	16/05/2016	Zaal Contractors Camp at Seo.	2015-16	3,385,955
9	16/05/2016	Contractor Camp Uchar	2015-16	2,730
10	21/06/2016	Grid Station Dasu	2015-16	4,678,938
-		<b>Total Amount Released in FY 2015-16</b>		<b>1,484,666,093</b>
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
-		<b>Total Amount Released in FY 2016-17</b>		<b>375,778,866</b>
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
-		<b>Total Amount Released in FY 2017-18</b>		<b>1,289,146,478</b>
55	03/07/2018	Barseen Contractor Camp	2018-19	149,411,432
56	03/07/2018	Uchar Contractor Camp-2	2018-19	90,125,808
57	03/07/2018	Tailrace Area Kuz Chuchang	2018-19	56,753,658
58	03/07/2018	Seer Gayal RAR-02	2018-19	54,912,887
59	03/07/2018	Largani Reservoir	2018-19	3,902,900
60	03/07/2018	Rangoo Bypass RAR-01	2018-19	2,052,290
61	15/08/2018	Ucher Dumping Area	2018-19	256,701
62	15/08/2018	Pani Bah Access Road	2018-19	47,621
63	15/08/2018	Zongmei Contractor Camp	2018-19	12,870

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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 Area	2018-19	46,383
157	11/04/2019	Shuri Nullah Dumping Area	2018-19	2,969
		<b>Total Amount Released in FY 2018-19</b>		<b>2,820,048,907</b>
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	Add 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 Camp 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
-	-	<b>Total Amount Released in FY 2019-20</b>		<b>2,968,389,280</b>
327	14/07/2020	Shuri Das Access road	2020-21	16,550,382
328	17/07/2020	Pani Bah Reservoir	2020-21	358,605,821
329	17/07/2020	Barseen Baily Bridge Site-II	2020-21	172,847,803
330	17/07/2020	Sigloo Blasting Area	2020-21	32,603,566
331	17/07/2020	Addl. Land KKH-01 (K-3 Tunnel)	2020-21	5,100,448
332	04/08/2020	Chilashi to Looter Reservoir Area	2020-21	249,485,714
333	04/08/2020	Logro Reservoir Area-2	2020-21	80,837,537
334	04/08/2020	Kaigah Quarry Area-2	2020-21	56,140,028
335	04/08/2020	Uchar Crushing Plant	2020-21	26,249,159
336	04/08/2020	Additional Land for Grid Station Chuchang	2020-21	15,134,498
337	04/08/2020	Barseen Contractor Camp	2020-21	33,878,313
338	04/08/2020	Looter Reservoir	2020-21	1,442,739
339	07/08/2020	Dumping Area Summar Nullah	2020-21	76,382,222
340	14/10/2020	Pani Bah Reservoir Area-2	2020-21	232,970,420
341	14/10/2020	Uchar logro	2020-21	103,839,286
342	14/10/2020	Siglo-3	2020-21	75,775,648
343	14/10/2020	Lor Summar Nullah to Sazeen Limits	2020-21	73,483,857
344	14/10/2020	LoR Shuri Nullah To Summar Nullah	2020-21	65,843,126
345	14/10/2020	LoR Sazeen Nala To Shatial Limits (File-1)	2020-21	48,282,768
346	14/10/2020	Addl. Land Tailrace Area at Kuz Chung	2020-21	21,973,117
347	14/10/2020	Sigloo-1 (File-2)	2020-21	11,144,393
348	14/10/2020	Addl. Land RAR-01(ZAAL)	2020-21	1,965,761
349	14/10/2020	Addl. Land of Rango Bypass	2020-21	1,203,203
350	14/10/2020	Siglo-2 (File-3)	2020-21	118,507,107
351	14/10/2020	Seer Gayal (RAR-02)	2020-21	14,776,899
352	14/10/2020	Addl Land Grid Station Chuchang	2020-21	721,071
353	03/11/2020	Kaegah Quarry Area-II	2020-21	8,761,380
354	03/11/2020	Uchar Crushing Plant	2020-21	3,012,113
355	03/11/2020	Pani Bah Reservoir Area-2	2020-21	1,250,200
356	03/11/2020	Barseen Dumping & Reservoir Area-1	2020-21	669,550
357	03/11/2020	Sigloo Blasting Area	2020-21	421,970



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

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432	15/12/2020	Lachi Nala File-3	2020-21	167,518
433	15/12/2020	Addl. Land Tailrace	2020-21	166,559
434	15/12/2020	Lachio Nala (F-5)	2020-21	91,927
435	15/12/2020	Baily Bridge Gumoon/ Looter (Left bank)	2020-21	78,690
436	15/12/2020	Lachi Nala (File-2)	2020-21	44,852
437	15/12/2020	Sazeen Nala to Shatial Limits (File-1)	2020-21	43,134
438	28/12/2020	Gayal Nala to Kandia bridge Reservoir area	2020-21	270,576,717
439	28/12/2020	LoR Baily Bridge Gumoon	2020-21	237,437,738
440	28/12/2020	Gandeer 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-1	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
-		<b>Total Amount Released in FY 2020-21</b>		<b>13,126,462,656</b>
620	10/08/2021	Barseen Contractor Camp-1	2021-22	14,653,970
621	10/08/2021	Millar to Dogah Nullah File-2	2021-22	1,960,517
622	10/08/2021	Siglo Blasting Area	2021-22	540,569
623	23/09/2021	Kishu Karh Reservoir Area	2021-22	187,024,120
624	23/09/2021	Access road to Grid Station At Kuz Chuchang	2021-22	9,518,488
625	30/08/2021	Kotgal-2 Kandia Reservoir area	2021-22	15,448,737
626	10/09/2021	KKH-01 Additional Land ( Bar Chuchang)	2021-22	2,983,172
627	10/09/2021	KKH-01 Additional Land (Area-3) at Chuchang	2021-22	1,400,083
628	10/09/2021	New Additional KKH-01 Land Area-2	2021-22	1,091,677
629	10/09/2021	Kishu Karr Reservoir Area	2021-22	364,954
630	07/10/2021	Additional Land for WAPDA colony Chuchang	2021-22	596,368
631	07/10/2021	Access road to Grid Station At Kuz Chuchang	2021-22	375,256
632	07/10/2021	KKH-01 Addl Land Area-3 Chuchang	2021-22	91,504
633	15/10/2021	KKH-01 Additional Land Area-4A & 4B at Chuchang	2021-22	4,571,140
634	15/10/2021	KKH-01 Additional Land Area-4 at Chuchang	2021-22	3,070,090
635	18/10/2021	KKH-01 Additional Land (E-15) Khushi	2021-22	20,629,641
636	18/10/2021	KKH-01 ADDITIONAL LAND E-3/ ZERO POINT	2021-22	131,715
637	18/10/2021	KKH-01 Additional Land K-15 Tunnel Area 03B	2021-22	100,762
638	18/10/2021	KKH-01 ROW Additional Land Area-16	2021-22	19,125,711
639	22/10/2021	KKH-01 Additional Land E-4 (C) Uchar Nala (Area 4C)".	2021-22	60,457
640	22/10/2021	KKH-01 ROW ADDITIONAL LAND-3 AREA-16	2021-22	124,964
641	22/10/2021	KKH-01 ADDITIONAL LAND AREA-4 CHUCHANG	2021-22	115,948
642	22/10/2021	KKH-01 ADDITIONAL AREA 4A & 4B CHUCANG	2021-22	91,840
643	22/10/2021	KKH-01 AREA-14 AFTER UCHAR NULLAH	2021-22	43,540
644	22/10/2021	KKH-01 ADDITIONAL LAND K-15 TUNNEL AREA 03B	2021-22	34,832
645	22/10/2021	KKH-01 ADDITIONAL Land E-4 ( C ) UCHAR NUALL (AREA 4C)	2021-22	16,128
646	22/10/2021	KKH-02 (SAZEEN)	2021-22	79,596,249
647	22/10/2021	KKH-02(SHUKAIT NULLAH TO SHURI NULLAH )	2021-22	77,259,081
648	22/10/2021	KKH-02(SHURI NULLAH TO SUMMER NULLAH )	2021-22	34,257,666
649	22/10/2021	KKH-02(SHUKRAIT NULLAH TO SHURI NULLAH )	2021-22	28,464,733
650	22/10/2021	KKH-02 ADDITIONAL LAND (SUMMER NULLAH )	2021-22	22,982,784
651	22/10/2021	KKH-02 ADDITIONAL LAND (SHURI NULLAH TO SUMMER NULLAH)	2021-22	18,146,725

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

#### A – Personal Injury (Work Related)

Contract Package	Incident Category								Total Incidents till Reporting Month (A+B)
	To End Previous Month				During Reporting Month				
	Fatal	LTI	MTC	Total (A)	Fatal	LTI	MTC	Total (B)	
KKH-01	1	9	7	17	0	0	0	0	17
RAR-01	1	8	3	12	0	0	0	0	12
132kV TL	2	1	0	3	0	0	0	0	3
MW-01	2	41	4	47	0	0	0	0	47
MW-02	0	15	4	19	0	0	0	0	19
LBRV-11 & 12	2	1	1	4	0	0	0	0	4
PCI-01R	3	6	1	10	0	0	0	0	10
Dasu-RV	1	0	0	1	0	0	0	0	1
LADP-IKAN	0	1	0	1	0	0	0	0	1
LADP-RHC	0	1	0	1	0	0	0	0	1
DHC	0	6	3	9	0	0	0	0	9
PMU	0	1	0	1	0	0	0	0	1
<b>Total</b>	<b>12</b>	<b>90</b>	<b>23</b>	<b>125</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125</b>

\* 3 LTIs is associated with the incident

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

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

#### C – Machinery Damage

Contract Package	Incident Category						Total Incidents till Reporting Month (A+B)
	To End Previous Month			During Reporting Month			
	Major Damage	Minor Damage	Total (A)	Major Damage	Minor Damage	Total (B)	
KKH-01	16	12	28	0	0	0	28
RAR-01	4	3	7	0	0	0	7
132kV TL	0	2	2	0	0	0	2
MW-01	6	16	22	0	0	0	22
MW-02	3	4	7	0	0	0	7
LBRV-11/12	0	6	6	0	0	0	6
PCI-01R	0	1	1	0	0	0	1
Dasu-RV	0	0	0	0	0	0	0
LADP-IKAN	0	0	0	0	0	0	0
DHC	3	5	8	0	1	1	9
<b>Total</b>	<b>32</b>	<b>49</b>	<b>81</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>82</b>

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

#### 6.1.1 Description of Incidents/Accidents

Date of Incident	Location of Incident	Contract	Description of Incident	Category	Corrective Action	Status
<b>Work Related</b>						
-	-	-	-	-	-	-

#### 6.1.2 Property damage

Date of Incident	Location	Contract	Description of Incident	Category	Reporting/ Corrective Action	Status
15 <sup>th</sup> May 2022	China Bridge (komila Bazar)	DHC	On 15 <sup>th</sup> May 2022 at about 10:05 am, DHC vehicle # PSD 306 (NCP) of QA-QC department was coming to the office after picking the field inspector from Environment hostel nearby Komila bridge turn where the traffic was jammed from one side while from other side Army Convey was crossing. At the mean time the army truck back side was scratched with right rear side quarter panel area of DHC Wahgay car and got minor damaged. Army vehicle driver apologize for the incident and went off. No one was injured in the incident.	Minor	OHS section gathers information. Conducted awareness with the driver.	Closed

#### 6.1.3 Key Performance Indicators – During Reporting Month

Table 6.1: Key Performance Indicators during Reporting Month

Metrics	PMU	DHC	RAR-01	KKH-01	TL-01	MW-01	MW-02	PCI-01	LBRV 11/12	RAR-02	KKH-02	DHPP Total	Target
Number of Staff/Workers	309	349	116	54	48	1197	1197	67	70	0	0	3407	
Recordable Injuries & Illness (RI)	0	0	0	0	0	0	0	0	0	0	0	0	
Incidence Rate (TRIR, monthly) *	0	0	0	0	0	0	0	0	0	0	0	0	
TRIR (Year-to-date)													1.25 <sup>1</sup>
Lost time injuries (LTI)	0	0	0	0	0	0	0	0	0	0	0	0	
LTI Frequency Rate (LTIFR monthly) **	0	0	0	0	0	0	0	0	0	0	0	0	1.0 <sup>2</sup>
First-Aid Cases (FAC)	0	0	0	0	0	2	0	0	0	0	0	2	
FAC frequency rate (FACFR, monthly)	0	0	0	0	0	0.1	0	0	0	0	0	0.05	

Medical Treatment Cases (MTC)	0	0	0	0	0	0	0	0	0	0	0	0	0
Near-miss Incidence (NMI, monthly)	0	0	0	0	0	1	2	2	0	0	0	5	
NMI Investigated & corrective actions taken	0	0	0	0	0	1	2	2	0	0	0	5	
% NMI closed	0	0	0	0	0	100	100	100	0	0	0	100	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	0 <sup>4</sup>
No of OHS AFI attended by DHC	0	0	0	0	0	9	11	0	0	0	0	20	
No. of AFI approved	0	0	0	0	0	7	9	0	0	0	0	16	
No. of OHS EI issued by DHC	0	0	1	1	2	3	4	2	2	0	0	15	
NO of EI Closed	0	0	1	1	0	3	4	1	1	0	0	11	
% of OHS EI closed	0	0	100	100	0	100	100	50	50	0	0	73	
No. of OHS Training	0	4	4	0	4	12	8	2	3	0	0	37	
Training (No. Attendees)	0	21	48	0	46	267	255	27	90	0	0	754	
No. of OHS NCR issued	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	5	656	656	17	07	0	0	1379	
TBT Participants of Contractors	0	0	458	0	48	19680	19680	275	28	0	0	40169	
<b>No of OHS walk-through-Inspections by</b>													
Contractor Management/ Senior Staffs	0	0	0	0	0	06	06	04	02	0	0	18	
DHC Management/ Senior Staffs	0	0	0	0	0	6	26	2	0	0	0	34	
Contractor Supervisors	0	0	0	0	0	40	40	9	2	0	0	91	
DHC Supervisors	0	0	0	2	1	16	30	3	1	3	2	58	
<b>Daily Inspections by DHC</b>													
Unsafe Acts	0	0	0	0	01	36	29	2	01	0	0	69	
Unsafe Conditions	0	0	2	03	04	92	81	7	2	2	2	195	
<b>No of Joint Inspections Conducted</b>													
	0	0	0	3	0	0	0	1	0	0	0	4	
<sup>1</sup> DHPP TRIR Target for 2022 (assumed), <sup>2</sup> DHPP Lost Time Injury Frequency Rate (LTIFR) Target 2022, <sup>3</sup> % NMI Closer Target within 30 days, <sup>4</sup> COVID-19 Frequency Rate (number of cases per 100 workers/staffs) <sup>5</sup> Does not include actions related to interactions / audits. * IR = $\frac{\text{Recordable Incidences}}{\text{Total man hours worked per month}} * 16,000$ ** LTIFR = $\frac{\text{Number of lost time injuries}}{\text{Total man hours worked per year}} * 16,000$													

**\*Please Note:**

No data from KGL, IKAN, RAR-02, KKH-02 & EM-01 contractors received for the KPI data set for May 2022. This illustrates discontinuity associated with Contractor submitted data.

## 6.2 Safety Performance

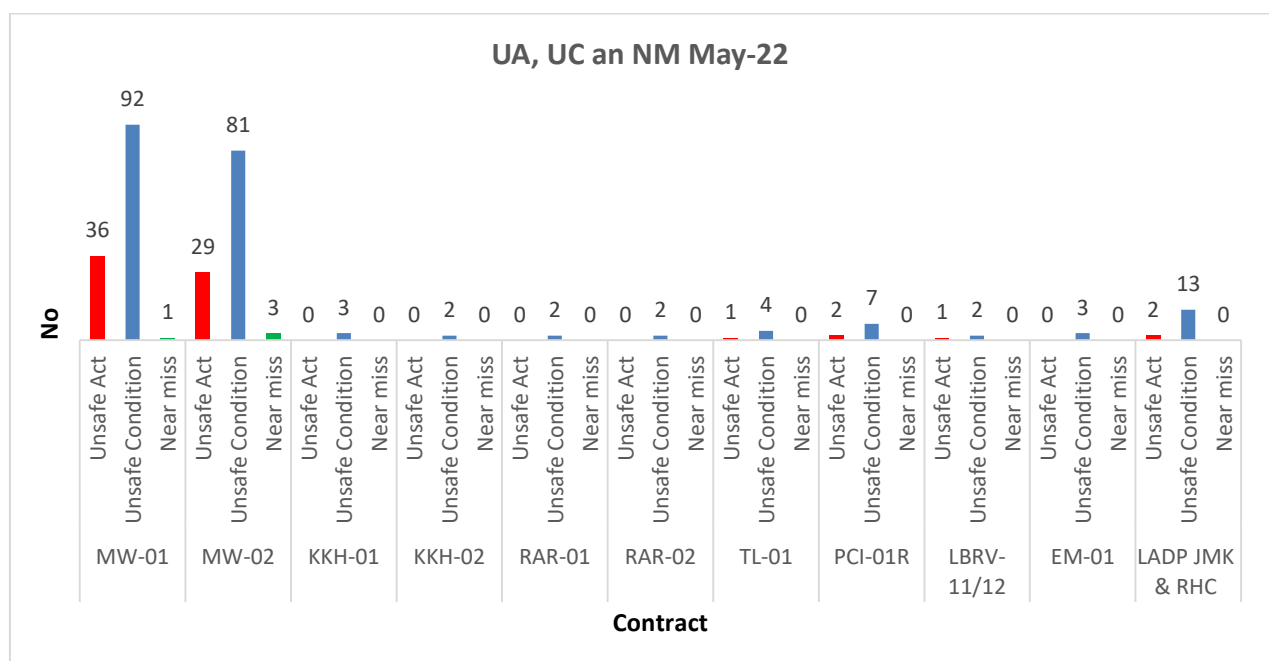
In May 2022, 2 first aid cases were recorded at MW-01.

### 6.2.1 Injuries and Illness Performance

Total recordable injury and illness during the reporting month were zero 4. As a consequence, monthly FACFR of DHPP for May 2022 is estimated as 0.05. MW-01 had 2 first aid cases during the reporting month.

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

71 unsafe acts, 211 unsafe conditions and 4 near misses were identified during the reporting month. Figure below presents contract wise unsafe acts, conditions and near misses during the reporting month.



**Figure: Contract-wise unsafe acts and conditions**

### 6.2.3 Higher Concentration of CO in Powerhouse

It has been observed that CO concentration in Powerhouse Cavern was distributed in the range of 5 - 60 ppm during the reporting month. CGGC has been instructed to take preventive measures so that there is no untoward situation in the tunnel by improving the ventilation and air flow. Monitoring of CO concentration should continue at least once during each shift and when controlled to lower or close to zero level, monitoring may be relaxed, however, any indication of CO is observed during daily monitoring, measurements should continue before every shift.

### 6.2.4 Monthly OHS Progress Review Meeting

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

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

Sl.	Contract	OHS MoM Status in May-22				
		Total	Open	Partially closed	Closed	New Items added
1.	MW-01/02	11	5	0	1	5
2.	RAR-01	7	1	0	2	4
3.	KKH-01	7	3	0	0	4
4.	PCI-01	6	3	0	0	3
5.	TL-01	5	1	0	1	3
6.	LBRV 11/12	4	3	0	0	1
<b>Total</b>		<b>40</b>	<b>16</b>	<b>0</b>	<b>4</b>	<b>20</b>

### 6.2.5 Status of NCRs

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

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

Contracts	Previous Open	Open in April	Previous Closed	Closed in April	Total
KKH-01	0	0	3	0	3
RAR-01	0	0	6	0	6
TL-01	0	0	2	0	2
MW-01/02	1	0	37	0	38
PCI-01R	0	0	14	0	14
LBRV-11/12	0	0	2	0	2
RAR-02	1	0	0	0	1
<b>Total</b>	<b>2</b>	<b>0</b>	<b>64</b>	<b>0</b>	<b>66</b>

### 6.2.6 Joint Site Inspection by tripartite:

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

Sl. No	Contract	No. of Joint Inspection by DHC, WAPDA & Contractors
1.	MW-01/02	3
2.	RAR-01	0
3.	KKH-01	0
4.	PCI-01	1
5.	TL-01	0
6.	LBRV 11/12	0
<b>Total</b>		<b>4</b>



### 6.2.7 Training and Capacity building:

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

Sl. No.	Trainings arranged by DHC				
	Date of Training	Subject of Training	Trainer	Target Group	No. of Participants
1.	May 22, 2022	Heat Stress Management	Muhammad Iqbal (Deputy Lead OHS -DHC) Azmat Farooq (Sr. OHS Sp)	DHC, PMU & Contractors OHS staff	18
2.	May 11, 2022	Induction	Neil Rafol (Lead OHS-DHC)	New OHS Staff	1
3.	May 14, 2022	Induction	Farhan Khan (OHS Sp)	New OHS Staff	1
4.	May 7, 2022	Induction	Neil Rafol (Lead OHS-DHC)	New planning Engineer	1
<b>Total</b>					<b>21</b>

Details of trainings arranged by the Contractors are presented below:

Sl. No	Contract	Number of Trainings during April-22	No. of Participants
1.	RAR-01	4	48
2.	KKH-01	0	0
3.	TL-01	4	46
4.	MW-01	12	267
5.	MW-02	8	255
6.	PCI-01	2	27
7.	LBRV 11/12	3	90
<b>Total</b>		<b>33</b>	<b>733</b>

### 6.2.8 Tool-box Talk

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

Sl. No	Contract	Number of daily TBT conducted by the contractors during the reporting month	No. of Participants
1.	RAR-01	38	458
2.	KKH-01	0	0
3.	TL-01	5	48
4.	MW-01	656	19680
5.	MW-02	656	19680
6.	PCI-01	17	275
7.	LBRV 11/12	7	28
<b>Total</b>		<b>1379</b>	<b>40169</b>

## 6.3 General OHS Management Activities

### 6.3.1 High-Level OHS Management

The International Environment Advisor B/ OHS Expert travelled to Pakistan between May 24-31, 2022 and supporting field team remotely in the following matters:

- Review and comment on the PowerPoint presentations prepared by the field team for the World Bank Regional Safeguards mission to Dasu,
- Update PowerPoint presentations for the bank mission based on the detailed comments of the Bank,

- Attend an informal session with Regional Safeguard Advisor (RSA) and Regional Safeguard Coordinator (RSC) in Islamabad and provide an update about the Project,
- Review Main Works Contract and recommend CGGC to comply with the Atmospheric Monitoring requirements, especially for CO in Powerhouse.
- Review proposed incident investigation template and provide comments and recommendations on improvement,
- Review field progress, prepare agenda for weekly OHS meetings, send Zoom invitations to all participants, attend and moderate the meetings,
- Discuss with field team on the field issues need to be presented in the weekly OHS meeting, guide them in preparing the priorities,
- Advise field team for the improvement of monthly progress report and help them in finalization of the report,
- Prepare training presentations for the Contractors and DHC staffs on organization management and leadership behaviour, and
- Communicate with DHC Project Management regarding WAPDA's security policy for expatriates on night travels. Provide recommendations to PMU how to strengthen the security and safety of individuals.

### **6.3.2 OHS Systems and Procedures**

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

- Attend Weekly OHS meeting with team members
- Incident investigation support to field teams
  - Reviewed finger amputation and grinder misuse incidents and guidance provided to DHC OHS section on appropriate investigation
- Support Contractors (CGGC, CCECC, CGICOP) in updating their OHSMPs based on the comments from DHC and World Bank for final submission to DHC for full approval.
  - Clarification and guidance on OHSMP processes and SOPs
- Review of Motor Vehicle safety measures and provide comments
- Review and update of new incident investigation template
  - This new template will facilitate contractors in their investigation. The template has been aligned with PR-12 incident investigation process.
- Review and advice on WhatsApp groups for unsafe acts and conditions.

### **6.3.3 OHS Underground Works**

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

- *Incident and accident review and providing guidance and input.* Participation in the incident and accident investigation review for the thumb amputation and the grinder used without guard. Following the team review of those incidents, providing guidance to the DHC field team and contractor OHS in regards to present better and/or more suitable root causes determination. Also provided guidance on using different methodology than 5 WHY for serious incidents.
- *Discussion with OHS Advisor to find better investigation reporting template:* Following the review and analysis of the incident reports, it was suggested to develop a different incident / accident reporting format to guide and help contractor OHS to perform a better analysis of all incidents. It was suggested to create a template/form that would guide them through stages in finding root causes.
- *Developing a new incident reporting template:* A template was developed for step-by-step and easy to use incident investigation. The template is being reviewed to ensure it is adapted to the PR-12 of the OHSMP.

#### **6.4 The Engineer's Training/Drills Participation**

During May 2022, the Engineer delivered 4 trainings to DHC, WAPDA and Contractors staff on heat stress general OHS.

#### **6.5 The Engineer's Inspection/Audit/Instructions**

- DHC OHS team have conducted 102 Walk-through Inspections on different worksites during the reporting period. Senior staffs were involved in 5 number and field professionals, inspectors and Jr. OHS Professional were involved in 97 numbers of walk-through, respectively.
- Issued (15) Engineering Instructions to all contractors during the reporting period.

## 7 SOCIAL AND RESETTLEMENT MANAGEMENT ACTIVITIES

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

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

#### 7.1 Land Acquisition and Compensation Payment

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

##### 7.1.1 Land Acquisition Status

As per updated status of Land Acquisition obtained from the Land Acquisition Section of the Deputy Commissioner's Office, Dasu, Kohistan Upper, a total land of about 4,558 acres has been awarded / acquired by the end of May 2022. It includes 729 acres of land (Batch-1) awarded before ECNEC decision (November 2019), as well as, 12 acres of land acquired for main works through direct payments to PTDC and FWO departments, while 3829 acres of land was acquired after ECNEC decision (after November 2019). The land awarded after ECNEC decision; includes, 331 acres land acquired through compulsory acquisition and 3,142 acres land acquired under private negotiation. No new land was acquired during the reporting month. Land acquisition formalities for the remaining land of Batch-3 and 4 (mainly additional land of KKH-01 & KKH-02) remained under process according to the scheduled timeline. Batch-wise land acquisition status is given below.

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

Batch	Total Land To Be Acquired	Land Acquired	Remaining Land To Be Acquired	Status
Batch-1	741	729 (12 acres direct payment)	–	100% land acquired and handed over to the Contractor.
Batch-2	957	957	–	100% land acquired and possession of 885 acres (92%) has been taken over by WAPDA
Batch-3	1,553	1,516	37	The possession of 1,516 acres (98%) of the acquired land has been taken over. The acquisition of remaining land is under process and delayed due to enquiry in progress.
Batch-4	981	981	–	100% land acquired and possession of 960 acres (98%) has been taken over by WAPDA.
Batch-5	793	375	418	Acquisition of remaining land is under process. The possession of 18 acres (4.8%) of the acquired land has been taken over.
<b>Total</b>	<b>5,025</b>	<b>4,558</b> (12 acres direct payment)	<b>455</b>	The possession of 4558 acres (90%) has been acquired

In addition to the above total (5,025 acres) land in District Upper Kohistan, about 654 acres land will be acquired in District Diamir making the total land to 5,679 acres.

##### 7.1.2 Status of Compensation Payments

At the end of reporting month, a total amount of PKR 18.71 billion was paid, including PKR 18.37 billion to 7,354 PAPs through 10,953 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

During May 2022, an amount of PKR 303,578,051/- was paid as compensation payment to 177 PAPs of 26 components. A total of 213 cheques were issued by DC office during the reporting month. Component wise detail of payment is given in table below:

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

S. No.	Component	# of PAPs	# of Cheques	Amount
1.	Access Road to Grid Station at Kuz Chuchang	1	1	27,576
2.	Barseen Dumping & Reservoir-1	2	2	785,068
3.	Dam Site Siglo-01 File-01	1	1	167,790
4.	Dam Site Siglo-02 File-03	2	6	3,114,901
5.	Dam Site Siglo-02 File-04	3	6	2,140,959
6.	Dam Site Sigloo-3 File-2	1	1	2,161,731
7.	Dandar to Uthoor	0	7	14,582,713
8.	Dogah Nulla to Gayal Limit Res Area (02) Part (A)	1	1	17,522,017
9.	Jhali Nullah to Kuma Nullah	1	1	557,936
10.	Kishu Kar Reservoir Area	8	8	109,576,792
11.	KKH-01 Additional Land Largani	1	1	39,375

12.	KKH-02 Additional Land Awai to Looter Part (A)	23	23	5,364,998
13.	KKH-02 Addl Land (Kaigah to Awai) Area-1(A)-I	10	11	8,691,161
14.	KKH-02 Addl Land (Kaigah to Awai) Area-2(A)-I	2	2	2,168,239
15.	KKH-02 Addl Land (Kaigah to Awai) Area-2(A)-II	2	2	771,545
16.	KKH-02 Additional Land Kaigah to Awai 2A	5	5	2,986,084
17.	KKH-02 Additional Land Looter to Shukrait Nalla 1A	13	13	2,094,854
18.	KKH-02 Additional Land Looter to Shukrait Nalla 2A	14	14	2,997,925
19.	KKH-02 Additional Land Shuri Nala to Sammar Nala	1	2	2,371,750
20.	KKH-02 Kaigah to Awai Area-1 (A)	29	34	37,587,600
21.	KKH-02 Kaigah to Awai Area-1 (B)	15	17	26,977,532
22.	KKH-02 Looter to Shukrait Nullah Area 1A	23	23	22,442,186
23.	KKH-02 Looter to Shukrait Nullah Area 1B (II)	14	21	7,551,552
24.	KKH-02 Shuri Nala to Sammar Nala	1	2	3,640,594
25.	Millar to Dogah Nullah File( 02) Part (A)	3	5	26,260,342
26.	RAR-02 (Seer Gayal)	1	4	994,831
	<b>Total</b>	<b>177</b>	<b>213</b>	<b>303,578,051</b>

### 7.1.3 Meetings of Compensation Disbursement Committee (CDC)

During the reporting month, CDC's meetings held for various components as listed in Table below.

S/N	Component Name	CDC Meeting Date
1	KKH-02 Kaigah to Awai Area-01 (Part-B)	12.05.2022
2	KKH-02 Additional Land Kaigah to Awai Area-02 Part-A (ii)	12.05.2022
3	KKH-02 Additional Land Kaigah to Awai Area-01 Part-A(ii)	12.05.2022
4	KKH-02 (Looter)	12.05.2022

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

### 7.1.4 Land Revenue Survey and Revenue Record:

The partial of 07 components was completed by Gadawar, Tehsildars and DK office during this month. Later on, the revenue records of these components were sent to WAODA/DHC for GIS verification.

- KKH-01, Additional Land Area-PTB-02
- KKH-01, Additional Land Area-PTB-05 KKH-01.
- KKH-01, Additional Land Area-PTB-06, Barseen
- KKH-01, Additional Land Area-PTB-07
- KKH-01, Additional Land Area-PTB-4A, Barseen
- KKH-01, Additional Land Area-PTB-4B
- KKH-01, Additional Land, Bailey bridge, Gumoon/ Lotter (Right side) Area

Following Revenue Records are received during the month of May, 2022.

Sr. No.	Component	Received on	Submitted on
1	KKH-01 Additional land PTB-7	29.04.2022	15.05.2022
2	KKH-01 Additional land PTB-4A / Barseen	29.04.2022	11.05.2022
3	KKH-01 Additional land PTB-4B	29.04.2022	11.05.2022
4	KKH-01 Additional land PTB-6 / Barseen	29.04.2022	12.05.2022
5	KKH-01 Additional land PTB-5	29.04.2022	26.05.2022
6	KKH-01 Additional land PTB-2	29.04.2022	11.05.2022
7	KKH-01 Additional land PTB-7	28.04.2022	26.05.2022
8	KKH-01 Additional land PTB-7	28.05.2022	28.05.2022
9	Bailey Bridge Gumoon/Looter Right Side Area	12.05.2022	30.05.2022

### 7.1.5 GIS Verification

GIS verification was completed for the following components during the reporting month.

**Table 7.3: Status of GIS Verification Done during Reporting Month**

S/N	Component	Received on	Submitted to WAPDA on
1	KKH-01 Additional land PTB-2	29.04.2022	11.05.2022
2	KKH-01 Additional land PTB-4A / Barseen	29.04.2022	11.05.2022
3	KKH-01 Additional land PTB-4B	29.04.2022	11.05.2022
4	KKH-01 Additional land PTB-6 / Barseen	29.04.2022	12.05.2022
5	KKH-01 Additional land PTB-5	29.04.2022	26.05.2022
6	KKH-01 Additional land PTB-7	29.04.2022	26.05.2022

### 7.1.6 Issuance of Notifications under Section-4 and Corrigendum

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

### 7.1.7 Cost Assessments and Verifications

Verification of cost estimates continued during the reporting month and verification of 13 components was completed and submitted to WAPDA for transfer of funds to LAC designated account. The details of cost assessments are given in Table below;

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

Sr. No.	Component	Received on	Submitted on	Amount (Rs.)
<b>Land</b>				
1	KKH-01 Additional Land (PTB-07)	19.05.2022	26.05.2022	1,300,092.00
2	KKH-01 Additional Land (PTB-02)	19.05.2022	26.05.2022	1,195,885.00
3	KKH-01 Additional Land (PTB-04B)	19.05.2022	26.05.2022	1,303,537.00
4	KKH-01 Additional Land (PTB-06 / Barseen)	19.05.2022	26.05.2022	214,512.00
5	KKH-01 Additional Land (PTB-05)	19.05.2022	26.05.2022	1,400,854.00
6	KKH-02 Additional Land Kaigah to Awai (Area-02) Part-A&B	19.05.2022	26.05.2022	1,073,782.00
7	KKH-01 Additional Land (PTB-04A / Barseen)	19.05.2022	26.05.2022	4,454,728.00
<b>Non Fruit Trees</b>				
1	KKH-01 Additional Land PTB-07	25.05.2022	30.05.2022	16,296.00
2	KKH-01 Additional Land PTB-06	25.05.2022	30.05.2022	1,276.00
3	KKH-01 Additional Land PTB-05	25.05.2022	30.05.2022	21,980.00
4	KKH-01 Additional Land PTB-04B	25.05.2022	30.05.2022	106,652.00
5	KKH-01 Additional Land PTB-02	25.05.2022	30.05.2022	25,154.00
6	KKH-01 Additional Land PTB-04A	25.05.2022	30.05.2022	42,932.00

### 7.1.8 Status of Land Lease of Kass

After finalizing the Land Lease Agreement of Kass the payments to the AHHs were started. On an overall, Kass Area-1 (File-2) and Kass Area-2 has been taken over by WAPDA and handed over to CGGC. Similarly, major portions of Kass Area-1 (File-1) and Kass Area-1 (File-3) has also been taken over and handed over to E&M and CGGC contractors, however houses with some disputed title ownership are still to be paid and relocated. Status of various components of Kass in term of payments and land handover by the end of reporting month is as under;

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

- All 83 beneficiaries of Kass have signed the agreement and 76 have been paid the advance money (3-months land lease rent + 10% of the BUP Value).
- Majority of the 76 beneficiaries (who have received advance money) have demolished their houses and they have been paid the remaining amount (57-months land lease rent + 90% of the BUP Value).
- About 91% of the area (375 Kanals) have been taken over by WAPDA and the houses have been demolished. The demolishing of remaining houses is in progress and cheques are ready for payment as soon they will complete the demolishing of their houses.
- Area for E&M Camp also fall in Kass File-1 Area, which includes a total of 37 houses out of which 34 had been demolished by the end of reporting month which have been paid. The demolishing of remaining houses is in progress.

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

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

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

- Agreement signing of Kass Area-1/File-3 yet not completed and out of total 105 beneficiaries 63 have signed the agreements. Remaining beneficiaries did not sign the agreement mainly due to land dispute / court cases and resistance of few households.
- Out of total 63 beneficiaries (who have signed agreement), 59 have been paid the advance money (3-months land lease rent + 10% of the BUP Value), while 43 households have demolished their houses and they have been paid the remaining amount (57-months land lease rent + 90% of the BUP Value).

- About 48% of the area (219 Kanals) have been taken over by WAPDA and the houses have been demolished. The demolishing of remaining houses is in progress and cheques are ready for payment as soon they will complete the demolishing of their houses.
- The teams are working on the files of Kass Area-1 / File-3 and following up the remaining PAPs to make them agree for receiving their advance payments as early as possible. However about 47.2 kanals land is disputed and the Jirgas are underway to resolve the disputes as early as possible.

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

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

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

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

### **7.2.1 Progress of Seven under Construction Resettlement Sites**

A total of 40 resettlement sites were planned to resettle / relocate Affected Households of 34 Villages. Of the total planned resettlement sites, 27 were finalized and agreements with the affected community were done, while the resettlement site planning for 13 remaining resettlement sites is in progress. Four RV Packages (LBRV-11, LBRV-12, RBRV-11, and Dasu-RV) consisting of 21 resettlement sites (out of 27 finalized sites) were awarded to three contractors. The contract of Zhongmei for LBRV-11 & 12 was commenced on December 26<sup>th</sup> 2018 and five priority sites (Nasirabad 1&2, Khushi 1&2 and Uchar-1) were handed over to the Contractor, while Dasu-RV contract for Chuchang resettlement sites was commenced on 18<sup>th</sup> June 2019 and the area was handed over to the contractor.

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

- Work is in progress on all ongoing resettlement sites except Khushi-2
- Water tank, access road to Mosque site at Chuchang and all other local issues resolved during the month
- During some social issues reported by Contractor from resettlement -4 Chuchang and S&R team resolved the matter smoothly.
- Consultation meeting was held on 16-05-2022 with resettlement site-4 community about finalization of sites for development of Water Tank, Graveyard and Masjeed.
- Haroon Group of Chuchang RV-1 has some issues in plot size. The matter was discussed with DHC Resident Engineer (Infrastructure Section) in detail. RE told that Infra team did not compromised on design which has already issued to the Contractor but it is possible to adjust according to the design.

### **7.2.2 SMR Implementation Progress**

- So far an amount of Rs. 398.85 Million have been paid to 115 Affected Households while 48 more SMR Files of Batch-2 and Batch-3 are ready for payment – forwarded to SMR-IC for payment and planned to be paid soon;
- File preparation work remained in progress. The SMR Working Committee remained engaged in preparing the files of priority villages like Sigloo, Barseen, Kaigha, Kotgal and Sluch during the reporting month. By the end of reporting month 888 (766 Priority I and 122 Priority II villages) ESMR files submitted to FVC/RSC.

- The S&R teams also kept engage in revising the files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC).
- Missing Signs of AHHs on Affidavit & Other Documents as well as signs on Special Power of Attorney are the major issues and obstacles in the smooth process of SMR implementation. The villages of Siglo and Barseen were main villages where AHHs are/were reluctant to provide the Affidavits and allowing to take the house pictures.
- The team also remained busy in contacting and following up with each individual HH for getting his / her signature on the agreements / Affidavit.
- All priority areas (8 villages) are planned to be paid by June 2022. A plan for Community Jirgas and SMR Payment has been shared with the Deputy Commissioner to convey the Time limits for relocation of houses;
- S&R Team has already given Notices to the AHHs of Priority Areas for early relocation;
- The S&R Team also remained engaged to receive & review number of applications regarding SMR from the community. The reply of priority applications was prepared and submitted.

### 7.2.3 Status of TRP Payments

At the end of May 2022, a total amount of PKR 72,289,875/- paid as TRP to 208 RVs (PKR 61,435,000/-) and 86 self-opted (PKR 10,854,875/-) AHHs of 13 components.

Component wise details of TRP and allowances are given in table.

**Table 7.5: Status of Payments of TRP & Allowances to the Owners of AHHs**  
**(Updated by End of Reporting Month)**

S. No.	Component Name	Status by previous Month			Status during Reporting Month			Grand Total
		RVs AHHs	Self AHHs	Grand Total	RVs AHHs	Self AHHs	Amount Paid	
1	Additional ROW (KKH-01)	6	4	3,740,749	0	0	-	3,740,749
2	Bar Chuchang	1	3	495,924	0	0	-	495,924
3	Khushi Access Road to VT	13	1	3,760,983	12	0	990,000	4,750,983
4	Khushi Dumping	9	8	4,857,651	2	0	180,000	5,037,651
5	Khushi to Logro	56	0	4,560,000	2	0	90,000	4,650,000
6	KKH-01 (ROW)	34	22	20,192,349	0	0	-	20,192,349
7	Logro	43	0	19,690,000	0	0	-	19,690,000
8	RAR-01 (ROW)	16	26	6,937,729	0	0	-	6,937,729
9	Uchar Thoki (Uchar Contractor Camp-2 Thoki)	15	0	755,000	0	0	-	755,000
10	WAPDA Office & Colony	11	0	820,000	0	0	-	820,000
11	Zhongmei Camp	4	1	2,655,124	0	0	-	2,655,124
12	Khushi Access Road	0	18	2,235,461	0	0	-	2,235,461
13	Tailrace Area Kuz Chuchang	0	3	328,905	0	0	-	328,905
<b>Total</b>		<b>208</b>	<b>86</b>	<b>71,029,875</b>	<b>16</b>	<b>0</b>	<b>1,260,000</b>	<b>72,289,875</b>

The updated status for the payments of project allowances to the owners of Commercial Structures is given in Table 7.6. During the reporting month (May 2022), one cheque was issued to the workers commercial business/enterprises relocated from Barseen area. A total amount PKR 27,000/- was paid during the reporting period.

During the month, S&R Team prepared TRP files of various villages, the details are:

- 07 TRP files of Sigloo village for payment of TRP for 6th,7th & 8th Installments
- 06 Files of RAR (RoW) of Sigloo village for payment of remaining installment as well as applicable project allowance like Transfer allowance & reconstruction allowance as they have received ESMR Package of Rs.3.5 million.
- 25 TRP files of Gul-e-Bagh, Khushi and Kuz Chuchang prepared and submitted to WAPDA for payment for 12th, 13th, 14th and 15th Installments.
- 14 AHHs received their TRP Cheque for different installment of Khushi village

**Table 7.6: Status of Payments of Allowances to the Owners of Commercial Structures**  
**(Updated by End of Reporting Month)**

Sr. No.	Component	Status by Previous Month		Status during Reporting Month		Grand Total
		# of Commercial Structures	Amount Paid (Rs)	# of Commercial Structures	Amount Paid (Rs)	
1	RAR(RoW) Seo Village	8	448,784	0	0	<b>448,784</b>
2	Khushi Access Road	11	638,938	0	0	<b>638,938</b>
3	Tailrace Area Kuz Chuchang	13	1,555,708	0	0	<b>1,555,708</b>
4	Barseen	11	1,255,790	01	27,000	<b>1,282,790</b>
<b>Total</b>		<b>43</b>	<b>3,899,220</b>	<b>01</b>	<b>27,000</b>	<b>3,926,220</b>



### 7.2.4 Relocation of Houses

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

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

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

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

- A meeting with 80 members Reservoir Committee “the Committee” at DHC Conference Hall. The Committee refused to allow social and field activities until fulfillment of their demands by Deputy Commissioner Kohistan and GM/PD WAPDA. After the meeting the Committee agreed to allow field activities for 4 days with conditions of an early meeting with DC Upper Kohistan on their demands.
- The Contractor M/s CGGC ha approached S&R Section for relocation of houses at Pani Bah Bypass. A meeting was held with AHHs of Pani Bah Reservoir Area-01 for their early relocation. All the AHHs showed their consent for early relocated and demanded the field verification of their houses for SMR package.
- A detail meeting was held with Chief Engineer (A&P) WAPDA on 10-05-2022 on land and SMR Package and submitted the required documents to him.
- On 10-5-2022 a joint meeting was held with Mr. Muhammad Shah of Sigloo 2 File 1 by the S&R team and Additional Assistant Commissioner (AAC-Revenue) in the office of AAC for the verification of houses in the component of Sigloo 2 File 2 for field verification. Mr. Shah gave his consent to verify their houses in the mention component.
- On 10-5-2022 DHPP/SMR Review and Scrutiny Committee (R&SC) meeting was held in the office of Director S&R WAPDA. In this meeting SMR files of Uchar Logro Reservoir Area-2 were reviewed thoroughly and recommended 17 SMR files to SMR implementation Committee (IC) for further payment.
- On 12-5-2022 a joint Field Visit was organized to the component of Sigloo 2 File-01 for the purpose of onsite verification of houses for SMR package. The FVC found that no house is existing on the ground as all 61 houses in the mention component have already been demolished by the contractor with the approval of WAPDA & DHC on need basis.
- On 13-5-2022 meeting was held with Director S&R in his office regarding the issue of houses dismantling in the component of Sigloo 2 file-01. The director was apprised about all official correspondence of all stakeholders in connection of the demolishing of houses in the aforesaid component.
- Consultation meeting was held on 16-05-2022 with resettlement site-4 community about finalization of sites for development of Water Tank, Graveyard and Masjeed)

- On 18-5-2022 an introductory meeting was held with the new convener (AC-HQ) Review & Scrutiny Committee (RSC) in his office at Dasu, in which director S&R WAPDA has also participated. The new convener was briefed about the Modus operendi of R&SC committee.
- On 20-5-2022 a joint field visit was organized to Pani Bah Reservoir Area-01, Pani Bah Access Road and Chalashi to Looter Reservoir Area for the purpose of onsite field verification of houses for SMR package. Field verification of 23 houses was completed successfully.
- On 26-5-2022 a joint field visit was organized to Pani Bah Reservoir Area-01 for the purpose of onsite field verification of houses for SMR package. Field verification of 28 houses was completed successfully.
- On 30-5-2022 a joint field visit was organized to WAPDA offices & Colony Chuchang for the purpose of onsite field verification of houses for SMR package. Field verification of 27 houses was completed successfully.
- On 30-5-2022 held meeting of Review and Scrutiny Committee (RSC) in the office director S&R under the chairmanship of Assistant Commissioner Dasu-HQ. In this meeting detailed discussions were held on the 58 SMR files of Sigloo 2 File-01 and 92 SMR files of various components. After thread bar revision of the files RSC found some discrepancies in the files prepared by Working Committee and also in the report of FVC, hence 58 SMR files of Sigloo 2 file 1 were returned back to Working Committee for further substantiating the files and some files out of rest 92 files were processed for SMR payment and some were rejected on the basis of FVC reports and other ineligibility of the PAPs for SMR.
- On 31-5-2022 a joint field visit was organized to Pani Bah Reservoir Area-1 & Tata Pani Kaiga Reservoir Area for the purpose of onsite field verification of houses for SMR package. The field verification team successfully completed verification of 11 houses in the component of Pani Bah Reservoir Area-01 and 27 houses in tat Pani Kaiga Reservoir area components.
- During the reporting month SMR team prepared SMR files of various priority components. Apart from this SMR team also collected the missing documents from the AHHs and completed the document deficient SMR files in all respect and submitted to working committee for further process.

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

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

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

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

- A consultation meeting was conducted with community of Kuz Chuchang Resettlement Site-04 for identification of land for construction of water tank, source of water along with the pipeline route and Masjid. During consultation, the community was informed that there will be only one Mosque for the site at a central location. Required land was visited along with the Community and Survey team acquired the coordinates and forwarded to Infrastructure section for further appraisal and feasibility. Community also requested for the development of graveyard for the site. For which they were told that the matter will be dealt according to the policy derived in Resettlement Action Plan (RAP - Vol. 5 of SRMP).
- On May 24, 2022, the Community stopped the work on various sites by blocking the KKH-01 near Kuz Chuchang as a protest for release of TRP payment which was delayed for 9 months. As DHC has submitted the files for two installments to WAPDA. The Community was consulted and informed that payment is under process and will be released at earliest. The work was resumed after detailed consultation with the community

- On May 25, 2022, PC&P team visited Chuchang Site-01 to record coordinates of the land of Mr. Haroon to redesign his plots and shared with RE Infrastructure for further process. The said plots were being overlapped on land of Mr. Muhammad Jan. During the visit Mr. Abdul Rehman also raised the issue that due to division of land among family members the size of his plot decreased and he proposed a new location for development of plot. PC&P team clearly informed to him that such shifting is not possible at this stage, to facilitate the AHH Survey team recorded coordinates of the newly proposed location and shared with Infrastructure section to check feasibility of development of the plot at new location. The matter was resolved.

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

**Table 7.8: Consultation Meetings Conducted Regarding Resettlement Site Development**

Sr. No	Resettlement Site	Consultations Done (By Previous Month)	Consultations Done (During Reporting Month)	Remarks
1	Kuz Chuchang	14	02	- Identification of Water Source and land for Water Tank - Work Stoppage due to non-payment of TRP Cheque.
2	Chuchang – 01	14	02	- Coordinates for boundaries of land to develop Mr. Haroon Plots

### 7.3.2 Public Consultations Regarding Temporary Relocation Package

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

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

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

### 7.3.4 Public Consultations Regarding Local Area Development Program

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

### 7.3.5 Public Consultations Regarding Other Components / Construction Sites to Resolve Issues

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

### 7.3.6 Other Major Activities Carried Out during the Reporting Month

Public Consultation and Participation section of DHC extended its services with Land Acquisition Cell (LAC) to assist Sub Registrar for completion of documents for private registration deeds to acquire land for various components of Batch 4 and Additional Land for different component. The components completed during the reporting month are as under:

- Additional Land Kaigah to Awai Part An area 1.
- Additional Land Kaigah to Awai Part (i) an area 1.
- KKH – 02 Sazin
- KKH – 02 Looter to Shukrait Nullah part an area 1.

- KKH – 02 Kaigah to Awai file 2 A
- KKH – 02 Looter 02.

#### 7.4 Income and Livelihood Restoration

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

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

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

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

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

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

**Table 7.9: Status of Submitted Reports on Utilization of Compensation Money**

Sr. No	Title	Village Name	Component Name	Status
1	Report on Perceptions of PAPs for Utilization of Compensation Money	Uchar	1. Contractor Camp Uchar	Submitted on December,2016
		Zaal	2. Contractor Camp Zaal	
2		Bar Chuchang	1. WAPDA Colony	Submitted on October,2017
		Kuz Chuchang	2. Grid Station	
3		Uchar	1. Access Road Uchar	Submitted on June,2018
		Barseen	2. Access Road Barseen	
4		11 villages (Dasu to Kaigha)	1. KKH-01	Submitted on March,2019
5		6 Villages (Kass to Sigloo)	1. RAR-01	Submitted on March,2021
6		Kotgal Village	1. Kotgal Reservoir-01	Submitted on March,2021
			2. Kotgal Access Road	
			3. Japan bridge to Dhundar	
7		Uchar Village	1. Access Road to resettlement site-1 Uchar	Submitted on August,2021
	2. Contractor Camp-2 (Thoki Uchar)			
	3. Dumping area Uchar			
	4. Contractor (Zhongmei) Camp Uchar			
	5. Uchar to Logroo reservoir			
8	Pani Bah Village	1. Pani Bah Access Road	Submitted on August,2021	
		2. Pani Bah Reservoir-01		
		3. Pani Bah Reservoir-02		
9	Logroo Village	1. Logroo-01	Submitted on August,2021	
		2. Logroo-02		
		3. Logroo Reservoir-01		
		4. Logroo Reservoir-02		
10	Kuz Chuchang	1. Tailrace Area	Submitted on August,21	
11	Sigloo Village	1. Sigloo-1 File-1	Submitted on December,2021	
		2. Sigloo-1 File-2		
		3. Sigloo-2 File-1		
		4. Sigloo-2 File-2		
		5. Sigloo-2 File-3		
		6. Sigloo-2 File-4		
		7. Sigloo-3 File-1		
		8. Sigloo-3 File-2		
12	Barseen Village	1. Barseen Reservoir Area-1	Submitted on April,2022	
		2. Barseen Reservoir Area-2		
		3. Barseen Contractor Camp-1		
		4. Barseen Access Road		
		5. Barseen Nullah Reservoir Area		
		6. Barseen Zhongmei Explosive Magazine		

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

**Table 7.10: Status of On-going Surveys/reports on Utilization of Compensation Money**

Sr. No	Village / Component	Status (By Previous Month)	Work Done (During the Reporting Month)	Remarks
1	Sluch Village	104 PAPs interviewed	Report is in progress	Report will be submitted in June,2022
2	Seer Gayal Village	Survey in progress (132 PAPs interviewed)	-----	The revenue survey of one component in Seer Gayal village has not been completed yet the verification is in process. When the revenue survey is completed than this component will be added.

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

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

#### 7.4.3 Assessment and Allowances Payment to Commercial Structures

By the end of reporting period, allowances and income loss compensation to owner, workers and other stakeholders of 43 commercial structure have been paid, while files along with allowance sheets for 8 commercial structures located in Uchar area are submitted to WAPDA PMU for payment process

During the reporting month an assessment carried out regarding commercial structure in different villages on Left bank. The summary of assessed commercial structures is presented in table 7.12 below

**Table 7.11: Status of New Commercial Structures on Left Bank**

Sr. No	Name of Village	Total Commercial Structure	Status
1	Pani Bah	1	Functional
2	Gadeer	4	Functional
3	Kaigha	6	Functional
4	Looter	7	Functional
5	Chilassi	4	Functional
6	Dochba	6	Functional
7	Lachi Nalla	16	Functional
8	Shori Nallah	6	Functional
9	Summer Nallah	48	Functional

#### 7.4.4 Other Major Activities carried out during the Month

The ILRP Team undertook following activities to support Resettlement Team

- Wrote letter to WAPDA to coordinate with LAC office for name correction in C&W record as per CNIC/Fard-e-Badar. Total 35 files were submitted to WAPDA office along with the letter, corrections completed in all files during May 2022.
- Conducted separate meetings with DD WAPDA and Land Acquisition Collector (LAC) on required correction in C&W record of ESMR files.
- Compilation data of Komila By Pass component for UCM
- Assisted Working Committee regarding finalization of SMR files of different villages
- Meeting with Shakeel sb MSC regarding UCM survey & reports and vocational training data
- Prepared Allowance sheet of Kotgal village
- Meeting with Gender Specialist regarding future plan and skill development activities under GIP
- Visited District Education Office (Female) along with Gender Specialist regarding female education in district Upper Kohistan

#### 7.5 Local Area Development Program (LADP)

The implementation of LADP was started in 2019. A total of three priority batches covering about 54 schemes has been finalized. One scheme “Solar Street Light at Komila and Dasu” was completed in July 2020; while three more schemes (Jalkot Bridge, Rehabilitation of Rural Health Center, and Jamia Mosque) were awarded in 2020-21 and are under construction. The Contact Agreement for “Rehabilitation and Improvement of Sanitation System for Komila and Dasu” was signed during the reporting month and execution of works are supposed to be started accordingly. The status of priority-I schemes by the end of the reporting month is as under;

**Table 7.12: Status of Priority-I Schemes under LADP**

Sr. No	ID	Scheme	Description of Scheme	Tentative Cost (Million PKR)	Status By November 2020
1	SP-1	Solar Street Lights at Komila and Dasu	Installation of Solar Street Lights at Komila and Dasu.	4.31	<ul style="list-style-type: none"> <li>➤ Installation of all 60 Poles completed in July, 2020</li> <li>➤ Completion Certificate issued on July 25, 2020.</li> <li>➤ Payment Certified.</li> </ul>
2	RB-14	Jalkot bridge	Design and Construction of New RCC Bridge at Jalkot Nullah	69.94	<ul style="list-style-type: none"> <li>➤ Construction Work started from January 01, 2021</li> <li>➤ Contractual completion date is December 31, 2021</li> <li>➤ Bridge Structure is completed.</li> <li>➤ Approach slab in progress</li> <li>➤ Approach road retaining wall completed</li> <li>➤ Old bridge is demolished</li> </ul>
3	MI-1	Rural Health Center (RHC), Dasu	Repair and Rehabilitation of Rural Health Center (RHC), Dasu	107.70	<ul style="list-style-type: none"> <li>➤ Commencement letter issued on March 18, 2021</li> <li>➤ Contractual completion date is April, 2022</li> <li>➤ Rehabilitation work for possession area completed</li> <li>➤ Rehabilitation work for medical blocks in progress</li> <li>➤ Installation of GI Sheets for all roofs completed</li> <li>➤ Construction of boundary walls completed</li> <li>➤ Sewerage work in progress</li> </ul>
4	DW-1	Drinking water supply facilities for Komila, Dasu, Jalkot and Teyal	Design and Construction of Drinking Water Supply Facilities for these 4 towns, consisting of water intake, pipeline and distribution tanks	216.80	<ul style="list-style-type: none"> <li>➤ Bids opened on April 08, 2021</li> <li>➤ Bid Evaluation report submitted on May 05, 2021</li> <li>➤ Bids were annulled being unresponsive on July 06, 2021</li> <li>➤ Revised Bidding Document will be prepared once the Komila water Intake issue is resolved.</li> <li>➤ Tentative commencement of project: March, 2022</li> </ul>
5	MI-2	Reconstruction of Jamia Mosque Komila	Design and Reconstruction of Jamia Mosque at Komila	203.20	<ul style="list-style-type: none"> <li>➤ Commencement on August 31, 2021</li> <li>➤ Dismantling of existing Mosque completed</li> <li>➤ Pouring of Concrete for Ground Floor columns completed for Mosque</li> <li>➤ Shuttering for Ground Floor roof slab of Mosque in progress</li> </ul>
6	SA-1	Sanitation & Sewerage Systems in Kamila and Dasu	Improvement of sewerage and sanitation facilities at Komila and Dasu towns	116.30	<ul style="list-style-type: none"> <li>➤ Contract signed on December 30, 2021.</li> <li>➤ Commencement Letter issued on January 01, 2022.</li> <li>➤ Detailed design submitted by Contractor and under review by Engineer.</li> </ul>
7	SH-1	GHS/GPS at Seo village	Design and construction of Government High School and Government Primary School at Seo.	30.00	<ul style="list-style-type: none"> <li>➤ Tentative completion of Basic Design work by December, 2021.</li> <li>➤ Preparation of Bidding document in January, 2022</li> <li>➤ Tentative bid opening: March 2022</li> <li>➤ Bid evaluation: April, 2022</li> <li>➤ Letter of award: May, 2021</li> <li>➤ Submission of performance security: June, 2022</li> <li>➤ Tentative commencement of project: July, 2022</li> </ul>

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

GIP Team carried out the following activities during the reporting month of May 2022.

### 7.6.1 3<sup>rd</sup> Revision and Approval of Vocational Training Center a Pilot Phase in Kuz Chuchang

Skill Development Proposal was reviewed 3<sup>rd</sup> time as market prices are increased rapidly. Training Material cost and equipment budget is reviewed and increased according to current market prices. Number of participants also increased from 20 to 25. The revised budget is approved along with the covering letter.

Results of this pilot phase will be measured and on that basis the training will be replicated in other villages.

### 7.6.2 Review of documents related to Gender Action Plan for further use in the community.

School Health & Hygiene Program and Youth Health Promotion etc. are reviewed and material for simple use in the community is prepared. Health and Hygiene booklet was found important to be used for mothers and children in the communities as well. Awareness of health and hygiene practices and principles were shared and demonstrated in the eight villages of Cuz-Chuchang, Rango, Sach Seo, Kaiga, Shityal (Two villages), Sazeen (Lachi Nala) and Kandya (Kodgal). A total of approximately 240 women and 112 children benefitted from these messages.

### 7.6.3 Field Visits with Women Communities for Awareness and Mobilization, Their Needs assessment and Needs Prioritization in a participatory manner.

Field visits were made to Eight Villages, and detailed meetings were held to mobilize them to form a group of interested women. Meetings focused on facilitating them to identify women critical issues, their felt needs' identification and prioritization. Women and children actively participated in the process and their major needs were found skill development training, adult literacy trainings, Livestock, Poultry rearing, kitchen gardening etc. were their needs identified. Women also showed their great interest for health awareness of prenatal and postnatal issues. In some of the villages where school teachers are not available, community suggested for supporting them teacher salary and they will arrange teacher/s at their community level. They proposed men teachers of their own villages as women are not educated at all.

### 7.6.4 Follow-up coaching sessions with Ulemma

Two Ulemma; Including District Khateeb shared their increased interest in awareness of the communities from Islamic perspective in a culturally sensitive manner.

Following major activities were carried out for PHIP during the reporting month (May 2022);

- The case for the purchase of two ambulances for health department Kohistan (upper) has approved by the Authority in its meeting held on November 18, 2021. Total Budget is 20 Million PKR and tentative date of completion is March 2022. The Tendering is under process. Procurement is in final Stage with contract section of Dasu HPP.
- The case of procurement of machinery for TMA Dasu Kohistan for solid waste management is in final stage .The tendering is under process with contract Section.

### 7.7 Implementation of Communication Plan

Following major activities were carried out during the reporting month

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

### 7.8 Independent Grievance Redress Committee (IGRC)

- The most recent status of pending & new complaints as well as the complaints resolved by category of complaints by the end of the month is given in Table below;

Sr. No.	Category of Complaints	Total Grievances Received during the last months (years) up to December 2021	Total Disposed up to December 2021	Under Process By December 2021	New Complaints Received By March 2022	Total Disposed up by March 2022	Total Complaints Resolved by April 2022	Under Process during April 2022
A	Different kinds of Category	350	347	03	05	—	—	—
B1	TRP not paid / Delayed	—	—	—	—	01	01	—
B2	Trees Counting and compensation of Trees	—	—	—	—	01	01	—
B3	Construction / Hazards Spoil, Dumping, Spr. Dust Traffic Jam.	—	—	—	—	04	04	—

<b>B4</b>	Resettlement Site Survey Issue	—	—	—	—	01	01	—
<b>B5</b>	Violence of Labour Laws, Low Daily Wages, etc	—	—	—	—	01	01	—
<b>Total</b>		<b>350</b>	<b>347</b>	<b>03</b>	<b>05</b>	<b>—08</b>	<b>08 (100%)</b>	<b>- (0%)</b>

## 7.9 Migration Management

The In-migrant Management Specialist of DHC resigned and left the job during February 2022. Following major activities related to In-migration Management were carried out by the Assistant Director In-migrant Management during the reporting month (May, 2022):

### 7.9.1 Status of Workforce Data

Workforce data of all contractors as well DHC and WAPDA was entered in MIS till the last month. Based on the workforce data received from various contractors and other organizations a total of 3,292 workers / staff were estimated. Out of total (3,292); 1,851 (56%) were locals, 977 (30%) were non-local national, while 443 (14%) were foreigners. A total of 21 females were working in the project during the reporting month which is 1 percent of the whole workforce.

**Table 7.13: Status of Workforce Data**

Sr. No.	Components	Status By Previous Month	Status During Reporting Month	REMARKS
1	DHPP Workforce Data	<ul style="list-style-type: none"> <li>➤ Total 2,492</li> <li>➤ Locals: 1,243,</li> <li>➤ Non-local: 887,</li> <li>➤ Foreigners:362</li> </ul>	<ul style="list-style-type: none"> <li>➤ Total 3,292</li> <li>➤ Locals: 1,851,</li> <li>➤ Non-local: 977,</li> <li>➤ Foreigners:443,</li> <li>➤ Female: 21</li> </ul>	Data of preceding month is reported in the subsequent month.

### 7.9.2 Status of Security Forces Data

Data of security forces (consists of Frontier Constabulary, Frontier Core, Police, WAPDA /Private security guards and Dir Scouts (QRF)) were also collected during the reporting quarter. This data was collected through law-and-order representative (Deputy Director Security (Social), WAPDA office. Total 813 security personals have been engaged for DHPP during the reporting quarter as mentioned in table. (27 Persons from regular FC are not included in list).

**Table 7.14: Status of Security Forces Staff**

Sr. No	Locations	Foreigners	F.C	Police	WSF	Private Security Guards	Dir Scouts (QRF)	Total
1	Zaal Camp CCECC	2	25	17	-	-	6	50
2	Uchar -1 Camp-CCECC	13	20	30	-	-	-	63
3	Uchar -2 Camp-ZEGL	7	19	7	-	-	-	33
4	Chuchang Camp- CGICOP	12	30	3	-	-	-	4
5	Kaigah Camp	0	4	-	-	-	-	4
6	Khushi Camp	0	30	-	-	-	-	30
7	Barseen Camp	114	144	28	-	-	6	292
8	Pakistani Camp (Uchar-3)	13	19	-	-	-	9	41
9	CR-9 MW-02	-	4	-	-	-	-	4
10	CR-2 MW-01	-	14	-	-	-	-	14
11	CR-4	-	5	-	-	-	-	5
12	Shaal Camp- CCECC	7	12	-	-	-	-	19
13	Explosive Magazine- CGGC	-	5	-	-	-	-	5
14	Explosive Magazine- ZEGL	-	5	-	-	-	-	5
15	Explosive Magazine- RAR-01	-	4	-	-	-	-	4
16	Explosive Magazine- KKH-01	-	9	-	-	-	-	9
17	Explosive Magazine- KKH-02	-	5	-	-	-	-	5
18	Officer Hostel, BHU, ADC	-	5	-	4	-	-	9
19	DHPP- GM Office	-	-	-	8	-	-	8
20	DHPP- SRU Office	-	-	-	8	-	-	8
21	Crush Plant – CGGC	-	8	-	-	-	-	8
22	DHC Office	-	4	-	-	16	-	20
23	Sadat Plaza-PCCCL	3	-	7	2	-	-	12
24	Kamal Plaza-DHC	13	10	-	-	9	6	38
25	Alamgeer Plaza-CCECC	6	3	8	-	-	-	17
26	Fazal Plaza- MS, Conlts	1	4	-	-	4	-	9
27	WAPDA Parking, DDS off	-	-	-	11	-	-	11
28	Jameel Plaza	-	4	-	-	-	-	4
29	Chillas	8	13	-	-	-	-	21
30	Hattian	41	20	-	-	-	-	61
	<b>G. Total</b>	<b>240</b>	<b>425</b>	<b>100</b>	<b>33</b>	<b>29</b>	<b>27</b>	<b>813</b>



### 7.9.3 Awareness Session

No awareness sessions were conducted with labor/staff members of contractor and the community during reporting month as the IMM Specialist of DHC has resigned. The new IMM Specialist will join soon.

### 7.9.4 Inspection of camps

No Camp was visited by the IMM team during the reporting month. The observations noted during the previous month are given below.

**Table 7.15: Observations Noted during the Contractors' Camps Inspection**

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

### 7.10 Downstream Fisheries Impact Management

- The Individual Consultant revised the Baseline Report as per comments of the World Bank and WAPDA. The hard and soft copies of the report was submitted and this short individual consultancy contract has been completed.
- The DIM Team now preparing the work plan based on the recommendation given in the updated Socio-economic Baseline Report to mitigate the adverse impacts of the project.
- The revised proposal on the "Entrepreneurship Program for Fisheries Business Development" is under internal review.
- The team also worked on the proposal of forestry management plan of the ecology section under Environment for preparing a draft proposal.

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

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

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

At the end of reporting month, a total amount of PKR 18.41 billion was paid. Details are given in Section 7.1.2, above.

S. No.	Components	Status upto Previous Month			Status during Reporting Month			Grand Total
		# of PAPs	# of CHQ	Amount	# of PAPs	# of CHQ	Amount	
1	All Components	7,177	10,740	18.07	177	213	0.30	18.37

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

During May 2022, WAPDA office did not release lease payment cheques to PAPs. At the end of reporting month, a total amount of PKR 506.8/- million was paid to the PAPs as lease and compensation for built-up properties and trees.

S. No.	Components	Status upto Previous Month			Status during Reporting Month			Grand Total
		# of PAPs	# of CHQ	Amount	# of PAPs	# of CHQ	Amount	
1	Kass Disposal Area-01 (File-01)	62	96	136,970,565	0	0	-	136,970,565
2	Kass Disposal Area-01 (File-02)	28	67	115,372,658	0	0	-	115,372,658
3	Kass Disposal Area-01 (File-03)	43	63	78,587,887	0	0	-	78,587,887
	Kass Disposal Area-02	112	278	175,834,389	0	0	-	175,834,389
	<b>Total</b>	<b>245</b>	<b>504</b>	<b>506,765,499</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>506,765,499</b>

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

At the end of May 2022, a total amount of PKR 72,289,875/- paid. Details are given in Section 7.2.3, above.

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

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

- Data entry of land compensation payments in MIS from received Qabzul Wasool remained in progress. During reporting period data entry of 10,145 (93% of total cheques/Qabzul Wasools) have been entered in MIS. Data entry of remaining Qabzul Wasools is in progress, a backlog of 803 Qabzul Wasools recorded by end of the reporting period.
- Total 27 SMR issued to AHHs by May 31 2022 were entered in MIS and MS Excel Database.
- TRP cheques issue to 18 AHHs during reporting period, all these issue cheques entered in MS Excel database and updated summary tables. In addition, one cheques issue to commercial structures/enterprises were also recorded in MS Excel Database.
- 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	30,437	900
2	Compensation Payment Entry in MIS	10,020	125
3	Lease Payment Data Entry in MS Excel Database	504	0
4	PAPs Documents Uploading in MIS	22,211	900
5	TRP Cheques Entry in MIS	1142	18
6	SMR Cheques Entry in MIS	88	27

### 7.12 Development of Management Information System

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

### 7.12.1 Web Portal Backend System

During the month under reporting, the web portal's front end and backend modules were upgraded to make it more flexible and efficient in its operations as desired by the client.

Following modules were developed during the reporting period

- News & Events module
- Efficiency in loading and displaying information on portal
- Module to show project's latest news on home page
- Opportunities (Job, Tenders & Trainings)
- Backend and database related modules

### 7.12.2 Lease Management System

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

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

- Data/Result fetching module
- User interfaces
- Reporting System

### 7.12.3 Resettlement Payment Module

Resettlement payment related modules were upgraded and integrated with the main resettlement system. The modules were more related to SMR payments for self-managed resettlement. It was identified that the partial payments for SMR only allowance is to be recorded in the system and the remaining payment to be awaited. In order to handle this type of payment, the following upgrades were made in the system which are depicted in the following points.

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

- SMR Package handler module
- Acceptance of SMR only cheques in the system
- Option to record remaining payments when available

### 7.12.4 Environment Module

During the month under reporting the existing data entry system for environment module was reviewed for further development and discussed with environment team

### 7.12.5 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 April 2022	Progress during May 2022	Remarks
<b>&gt; Land Acquisition and Compensation Payment (LA &amp; CP)</b>				
1	Land Acquired (Acres)	4,558	–	Total land acquired 4,558 acres (90% of the total land)
2	Number of PAPs Compensated	6,964	213	Total PAPs compensated 7,177
3	Compensation Paid (M. Rs)	17.88	0.19	In addition to this an amount of Rs. 245 M paid to courts and Rs.93.32 M, directly paid to PTDC & FWO
4	GIS Verifications Completed (Number of Components)	181	01	GIS Verification of KKH-02 has almost been completed while few components of KKH-01 are remaining
5	GIS Verification Completed ( Area of Components in Acres)	5,312.65	2.75	
<b>&gt; Resettlement &amp; Relocation (R&amp;R)</b>				
1	Number of Resettlement Sites Completed	02	–	Chuchang-1 (Add Block) and Uchar-1 were completed in November 2020
2	Number of HHs relocated to completed sites	–	–	Defective work in progress
3	Number of HHs received TRP relocating to RVs	208	16	TRP payments of Khushi to Logro, Khushi Dumping, Khushi Access Road Component. TRP was mainly paid to HHs moving to RVs

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Sr. No	Key Performance Indicator (KPI)	Status by April 2022	Progress during May 2022	Remarks
4	Number of HHs received TRP relocating on SMR	86	–	
5	Total TRP Paid to HHs relocating to RVs (M. Rs)	58.4	1.76	Total TRP paid by reporting month = Rs. 61.18 Million
6	Total TRP Paid to HHs relocating on SMR (M. Rs)	4.15	–	Total TRP paid by reporting months = Rs. 4.15 Million
7	Amount of Allowances Paid to HHs relocating on SMR (M. Rs)	6.70	–	Shifting Allowance, Reconstruction Allowance, Special SMR Allowance, Vulnerability Allowance
8	Number of Commercial Structures Relocated	43	11	Remaining cheques of workers of 11 CS in Barseen were paid
9	Amount of Allowances Paid to Owners of Commercial Structures (M. Rs)	3.89	3.92	Including dislocation, Shifting and Covered Area Allowance per square meter
12	Total TRP & Allowances Paid (M. Rs)	71.03	1.26	
13	Total Budget for TRP Payment (M. Rs)	225	225	
14	Budget Utilized for TRP Payment (%)	69.184	1.845	By the end of May 2022, a total of Rs. 72.23 Million have been consumed About 32% of Total TRP Budget
10	Total Cost of RV Construction (LBRV-11, LBRV-12 and Dasu RV)- On-going Contracts (M. Rs)	3,163	3,163	
11	Cost utilized for RV construction of (LBRV-11, LBRV-12 and Dasu RV ) (M. Rs)	833	–	About 26.34 percent of total awarded Budget of RVs has been utilized / certified by January 2022
<b>&gt; Public Consultation and Participation (PC&amp;P)</b>				
1	Number of Consultation Meetings Conducted	764	02	Various meetings were conducted regarding ESMR Package.
2	Percent issues / disputes resolved	83	75	The resolution of remaining issues in progress
3	Percentage of PAPs participating in consultation meetings	82	84	% PAPs from related villages presented during the meetings
4	Percentage of their suggestions taken into account	87	80	The suggestions regarding design changes are sometimes difficult to accommodate
<b>&gt; Income and Livelihood Restoration Program (ILRP)</b>				
1	Number of UCM components Completed & submitted	11	1	12 reports prepared & submitted to WAPDA.
2	Number of UCM components (survey completed and reports in progress)	--	1	Sluch survey completed and report is in progress
3	Survey for UCM in progress	1	---	Survey in progress, 1, Seer Gayal village
4	Number of interviews related to UCM Survey completed and ongoing	2054	---	----
5	Number of Capacity Building Trainings Conducted	10	---	10 vocational/capacity building trainings conducted in different trades
6	Number of Local Youth Benefited from Trainings	228	--	Trained under 09 Batches of training conducted by DHPP. The training of new Batch (81) Locals started in July at ATI, NLC Gilgit and completed in September 2021
<b>&gt; Local Area Development Program (LADP)</b>				
1	Total Number of Schemes Identified	40	40	Total schemes revised & finalized by WAPDA so far
2	Number of Schemes Completed	01	–	Solar Street Light Scheme completed in July 2020
3	Number of Schemes under construction	04	04	Jalkot Bridge, Jamia Mosque Komila, RHC, and Sanitation Scheme Komila
4	Number of Schemes Awarded	01	01	Package-1 (Five Link Roads)
5	Number of schemes where work has been commenced / started	--	--	
6	Number of Schemes under Bidding Process	03	03	120 Solar Lights, Computer Labs Equipment and Solar System for Computer Labs
7	Number of Schemes for which Design has been Completed & under Review	05	05	
8	Number of Schemes for which feasibility has been Completed & under Review	07	07	
9	Number of Schemes under Feasibility & Design Process	15	15	
10	Schemes where Design not started yet	06	06	
11	Schemes Cancelled	04	04	

**Dasu Hydropower Project**  
**Monthly Progress Report No. 94 (May 2022)**

Sr. No	Key Performance Indicator (KPI)	Status by April 2022	Progress during May 2022	Remarks
12	Percent LADP Budget Utilized	5.97	5.97	
<b>&gt; Public Health Implementation Plan (PHIP)</b>				
1	Number of Medical Camps Organized	09	09	Nine medical camps organized from February 2017 to April 2022
2	Number of Males Treated	3,227	3,227	Total patients treated in 9 medical camps
3	Number of Females Treated	4,056	4,056	
4	Number of Children Treated	3,854	3,854	
5	Number of Capacity Building Trainings Conducted	02	–	Training of two batches (48 local Ulemas) was conducted in Islamabad in December 2019 and February 2021.
6	Number of PH Schemes Completed	–	–	
7	Number of PH Schemes Under Process	02	–	Rehabilitation of RHC and Procurement of Ambulances
8	Total PH Budget (Million Rs)	1500	1500	
9	Percent Budget Utilized (Million Rs)	1.46	0.35	
<b>&gt; Gender Implementation Plan (GIP)</b>				
1	Number of Gender Core Workgroup Program (GCWP) Quarterly Meetings Conducted	02	–	Discussion has been made with WAPDA to plan after establishment of concrete activities
2	Number of Gender Sensitization Sessions Conducted with CGBT / WVCs	04	07	Seven sessions held in 7 villages i.e. Kaega, Rango, Sach Seo, Shityal (2), Lachi Nala and Kodgal (kanya) with women and children and some men.
3	Number of Gender Sensitization Sessions Conducted with Various Target Groups (PMU, DHC, Contractor, and other stakeholders)	03	02	Informal coaching sessions on need based are found highly important and useful. These had served the change in their thinking, attitude and practice in a gender sensitive context. This is a continue approach used as and when required in various situations arose.
4	Number of VTCs established	0	01	In Consultation with DHC and PMU Management duration, technical and budgetary allocations have been reviewed 3 <sup>rd</sup> time to make this pilot phase a real success, so that other interventions are built on this activity effectively. Some more women were also added, keeping into view their greater interest.
5	Number of Skill Development Trainings conducted	–	–	New proposal on “Enhancing Vocational Skills of Local Women” is to be implemented
6	Number of GIP Information Centers Identified	01	06	06 locations identified in Shatial and Sazeen in consultations with health department
7	Number of GIP Information Centers Established	–	–	No progress during current month
8	Number of Schools Covered under Health & Hygiene Program	02	–	No progress during current month
9	Number of Project Staff (including Contractor’s staff) Benefited from sensitization trainings	72	–	CCECC and PMU Staff
10	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	02	–	Last training was conducted in February 2021 Second; one-week training /excursion trip of Ulemas of District Kohistan Upper held in Islamabad. Next 24 Ulemas are trained and total number is 48 now. Next Visit of third batch is Planned in month of June / July. Individual meeting with two Ulemas has been found effective and provided a good foundation for their positive role during a formal follow-up session of 25 Ulemas in June / July
11	Number of Ulemas Benefited	48	02	Two Batches consisting of 24 each are benefitted making total 48 Ulemas. These Ulemas are now creating awareness among their respective communities. Two Ulemas individual coaching sessions have deepened their understanding and positive role in mobilizing women participation
12	Percent of women using health facilities in project area	25	–	Based on rough estimate, this will be updated figure will be collected during moth of May through health department, Kohistan
13	Percent of women engaged in Income Generating Activities in the Project Area	30	08	Figure is updated from the field visits experience and eye witnessed of shops run by women in the villages.

**Dasu Hydropower Project**  
**Monthly Progress Report No. 94 (May 2022)**

Sr. No	Key Performance Indicator (KPI)	Status by April 2022	Progress during May 2022	Remarks
<b>&gt; In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)</b>				
1	Total Staff working on DHPP	2,492	3,292	Workforce data includes staff (including labor) of all contractors, DHC, and WAPDA
2	Local Staff working on DHPP	1,243	1,851	
3	Non-local Staff working on DHPP	887	977	
4	Foreigner Staff working on DHPP	362	464	One awareness session has been conducted with community during the reporting month.
5	Number of Awareness Sessions on CoC Conducted with Community	26	01	
6	Number of Total Participants in Community Awareness Sessions	404	15	Two awareness session has been conducted during the reporting month with the labor and staff of CGICOP and PCCCL.
7	Number of Awareness Sessions on CoC Conducted with Labor	54	01	
8	Number of Total Participants in Labor Awareness Sessions	1,066	11	Continuous activity. By January 2022 various contractors' camps were visited 77 times to monitor the compliance. In January 2022, one camp was visited; M/s CGGC Barseen.
9	Number of visits for Camp Inspection	77	01	
<b>&gt; Communication Plan (CP)</b>				
1	Baseline Documentary for socio-economic situation	Completed	–	It includes printed copies newsletter and flyers & brochures related to S&R sections including IEC material on Covid-19
2	Number of IEC Material prepared and printed	24,000	–	
3	Number of Quarterly Newsletters prepared and issued	02	–	Preparation of third & fourth newsletter in progress
4	Number of Awareness Sessions conducted with various target groups of community	12	–	Awareness about DHPP to school teachers, students and community representatives
5	Number of Exposure visits organized	02	–	No visit during the reporting month
6	Arrangement of NADRA Van for registration of unregistered PAPs (number of rounds)	02	–	NADRA Van was arranged two times (2017 and 2020) and registration of 690 PAPs (80% Women) was completed
7	Provision of Pick & Drop facility for school going children (M/F) in project area.	06	–	06 vans arranged by WAPDA to pick & drop school children within project area
8	Installation of Digital display screen (SMD) in project area.	Completed	–	Screen installed in Komila Bazar to present key information regarding DHPP
9	Number of DHPP events covered	82	01	All project events including important meetings, ceremonies, exposure visits, and other events
<b>&gt; Grievances Redress Plan (GRP)</b>				
1	Number of Grievances / Complaints Received	350	350	Complaints received since 2015
2	Number of grievances / complaints redressed / resolved	347	347	Total 308 grievances resolved by December 2021
3	Percent of grievances / complaints redressed / resolved	99	99	
4	Number of New Complaints received	03	01	
5	Number of grievances / complaints under process of resolution	03	04	
6	Number of grievances stand unresolved	02	02–	
7	Number of IGRC Meetings conducted	02	–	
<b>&gt; Downstream Impact Management Plan of Fishing Communities (DIMP)</b>				
1	MoU signed with the Provincial Fisheries Department	Under Process	Under Process	MoM of last meeting with Fisheries Deptt are under discussion
2	Updating of Baseline Survey Started	Draft Report Completed	Final Report Completed	The Consultancy will be completed in April 2022
3	Number of IEC Material (Brochures / Pamphlets) prepared printed & distributed	–	–	Reviewed by Communication section, shared with Fisheries Deptt; KPK for technical review and will be published soon
4	Number of Awareness Sessions conducted with Community	–	–	Awareness sessions regarding illegal fish catch and conserving local fish will be carried out through Fisheries Department after MoU
5	Number of Awareness Sessions conducted in Schools / Colleges	–	–	
<b>&gt; Internal Monitoring and Evaluation(M&amp;E)</b>				
1	Preparation of Compensation Payment Summaries for WAPDA Submission (Rs. Billion)	16.86	0	
2	Submissions of Compensation Payment Summaries to WAPDA for	15.06	0	

**Dasu Hydropower Project**  
**Monthly Progress Report No. 94 (May 2022)**

Sr. No	Key Performance Indicator (KPI)	Status by April 2022	Progress during May 2022	Remarks
	Adjustment (Rs. Billion)			
3	PAPs Documents Organization (Number)	30,437	900	
4	PAPs Documents Uploading in MIS (Number)	22,211	900	
5	Development and Operationalization of MIS Developed Modules	9	0	
6	Number of Internal M&E (SRMP & EMAP) Reports Submitted	11	0	
7	Lease Payment (Amount in Million)	506.77	0	
8	Lease Payment Data Entry in MS Excel Database	504	0	
<b>➤ Development of Management Information System (MIS)</b>				
1	Total Modules to be Developed	18	18	Two new modules added; (i) Kass Land Lease, and (ii) Reporting System to view MIS modules by stakeholders
2	Number of Modules Completed	08	09	Land Acquisition, Resettlement, IGRC, LADP IMM,PH, Reporting System, Web Portal, Lease Payments Management
3	Number of Modules Partially Completed	02	01	Environment
4	Number of Modules in Progress / Up-grades	1	1	Environment
5	Number of Remaining Modules (Development yet to be started)	6	6	GIP, PC&P, DFIM, OH&S, Communication, M&E
6	MIS Development Work Completed (%)	71.5	73	Remaining is planned to be completed by April 2022. Detailed Implementation Plan by Modules is available

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

Sr. No	Activity	Timeline	Status / Remarks
<b>➤ 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 84% of land has been acquired so far. Land leasing of Kass is in progress. Land Acquisition of KKH-01 and KKH-02 Additional Land is in progress. Assessments of built-up property and fruit trees of remaining components in progress. Compensation payments in progress.
2	GIS verification of targeted components as per timelines		
3	Preparation of Corrigendum u/s-4 for submitting to WAPDA & LAC		
4	Verification of cost assessments of land and land based assets (Trees & Built-up Property) of required components		
5	Update the status of LA and GIS verification for submitting to WAPDA		
<b>➤ Resettlement &amp; Relocation (R&amp;R)</b>			
1	Preparation of ESMR Files	Continuous Activity	Melar, Kotgal, Sluch and Nutbail
2	Collection of document from Community for ESMR Files	Continuous Activity	
3	Monitoring of under construction resettlement sites	Continuous Activity	Visit to all ongoing site will be carried during the month
4	Preparation of TRP files and Distribution of TRP Cheque	Continuous Activity	Payment to the beneficiaries who already receiving the TRP
5	Matching AHHS data of remaining villages with GIS Verified record.	Continuous Activity	GIS verification of some villages is awaited.
6	Other Key Activities( Letter, meetings with WAPDA, Contractor and stakeholders)	Continuous Activity	As needed
<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>➤ Income and Livelihood Restoration Program (ILRP)</b>			
1	Survey/Assessment on Efficient Utilization of Compensation Money of Seer Gayal Village	Survey in progress	Survey in progress
2	Proposal on Fish Farm		Proposal will be finalized soon
3	Assessment of Commercial Structure	Survey in progress	Assessment will be start in June,2022 on right bank

**Dasu Hydropower Project**  
**Monthly Progress Report No. 94 (May 2022)**

Sr. No	Activity	Timeline	Status / Remarks
4	Working with resettlement team regarding SMR files	Continues activities	Continues activities
<b>&gt; Local Area Development Program (LADP)</b>			
1	Preparation of Bidding Document of remaining schemes	Continuous	
2	Finalization of Design of remaining schemes	Continuous	
3	Finalization of Feasibility assessment of remaining schemes	Continuous	
4	Preparation of design of remaining 06 schemes (Not yet started)	Continuous	
5	Supervision of construction works of 02 schemes (Jalkot Bridge and RHC)	Continuous	
<b>&gt; Public Health Implementation Plan (PHIP)</b>			
1	Finalization of PH schemes (under PHIP) in consultation with Provincial Health Department	Delayed In progress	List of priority PH schemes have been finalized for implementation
2	Procurement of 02 well equipped Ambulances to be handed over to Health Department Kohistan (Upper)	Delayed	Under Process
3	Holding Medical Camps	Continuous	The planning of next medical camp in June 2022 in progress
<b>&gt; Gender Implementation Plan (GIP)</b>			
1	Third Meeting of Gender Core Workgroup	Process will be initiated in June for the 3rd meeting	Discussions have been made with WAPDA and a letter was also issued to WAPDA, it was observed and advised to plan this high profile meeting once we have some concrete interventions.
2	Visit to Kuz Chuchang site for Establishment of VTC for a group of 25 Women.	Last Week of June	Pilot Phase Training center in Kuz Chuchang Village will be started in June. Proposal had to be revised rs time due to Rapid Increase in Market prices
3	Follow-Up sessions with Ullama, who received trainings from International Islamic University Islamabad	Last Week of June	Engaging the Ulemma through a process oriented approach for their continue role in mobilizing communities from an Islamic Perspective
4	Gender Sensitization Session With CBGT/ WVCs in selected Villages	Last Week of June	Awareness sessions with women group in Kanya will be conducted
5	Gender Sensitization session held with Various Target Group (PMU, DHC, Contractor and other Stakeholders)	3rd week of June	Preparations for a gender Sensitization Session will be made
6	Preparation of Implementing Plan on SH&HP for further villages and follow ups with the existing villages	3rd week of June	As the Schools of Project area are closed for summer vocations, The activity will be conducted with mothers and children in the communities.
7	Implementation on EPP Plan will be decided in GCW Meeting	-	-
8	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	Preparations for 3rd group of Ulemas will be made during the month of June	3rd. batch of Ulemas will be identified and finalized for a week residential training session at Islamic University Islamabad In June and July.
<b>&gt; In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)</b>			
1	Collection of workforce data and entry in MIS	Continuous activity	Workforce data of March will be organized and entered into MIS by April, 2022
2	Awareness Sessions with Labor	Continuous activity	3 Awareness Session will be conducted with labor at RAR-01 andKKH-01 and MW-02.
3	Awareness Sessions with Community	Continuous activity	New IMM Specialist will join soon
4	Camp Inspection	Continuous activity	CCECC Uchhaar & CGGC Pakistan Labor Camp Uchaar camp will be visited during February, 2022.
<b>&gt; Communication Plan (CP)</b>			
1	Review, finalization, printing and distribution of 3 <sup>rd</sup> newsletter	Delayed	3 <sup>rd</sup> and 4 <sup>th</sup> newsletters are under preparation. Not achieved within planned time
2	Editing & finalization of baseline documentary		A separate contract with the media house for editing of documentary is in progress
3	Installation of Digital display screen (SMD) in project area.		Completed & installed. Further working to display information
4	Management of Web Portal		Updating of web portal design and uploading of most recent information in progress
5	Media Coverage of DHPP Events	Continuous	Coverage of major DHPP events on social media and press releases
<b>&gt; Grievances Redress Plan (GRP)</b>			
1	Meetings of IGRC Members for resolution of pending cases	Delayed	Meeting could not be conducted in the reporting month
2	Entry of existing complaints into MIS	Delayed	CMS has been completed by MIS Specialist. Data has been entered
3	Registration of new grievances / complaints	Continuous	New complaints will be registered and entered into the system
4	Preparation of updated reports	Continuous	Report for next month will be prepared

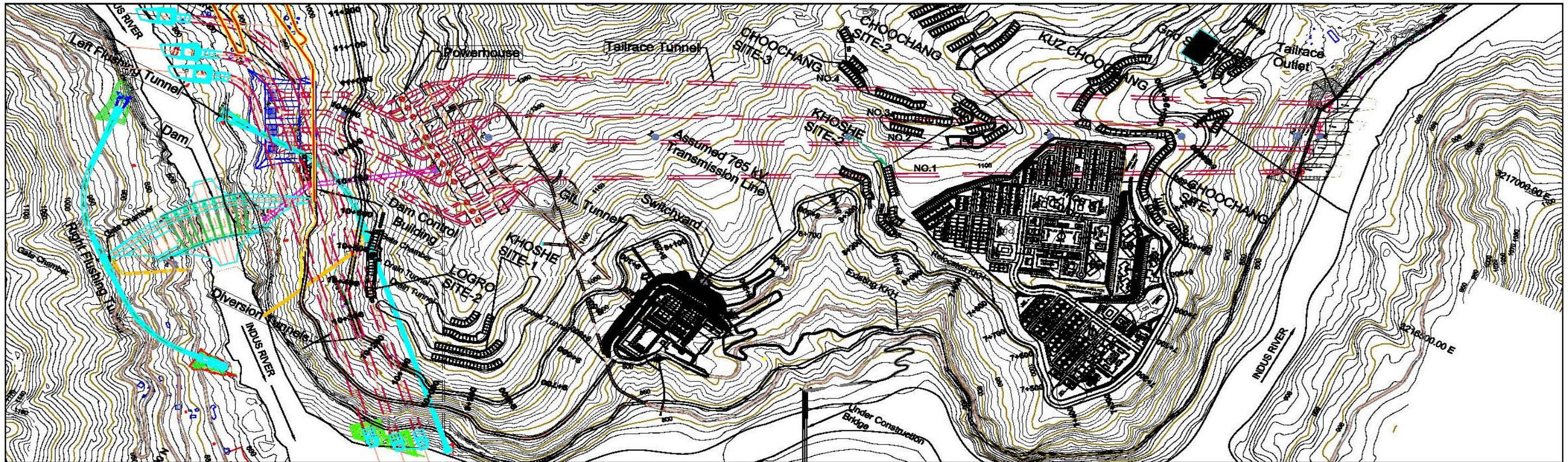


**Dasu Hydropower Project**  
**Monthly Progress Report No. 94 (May 2022)**

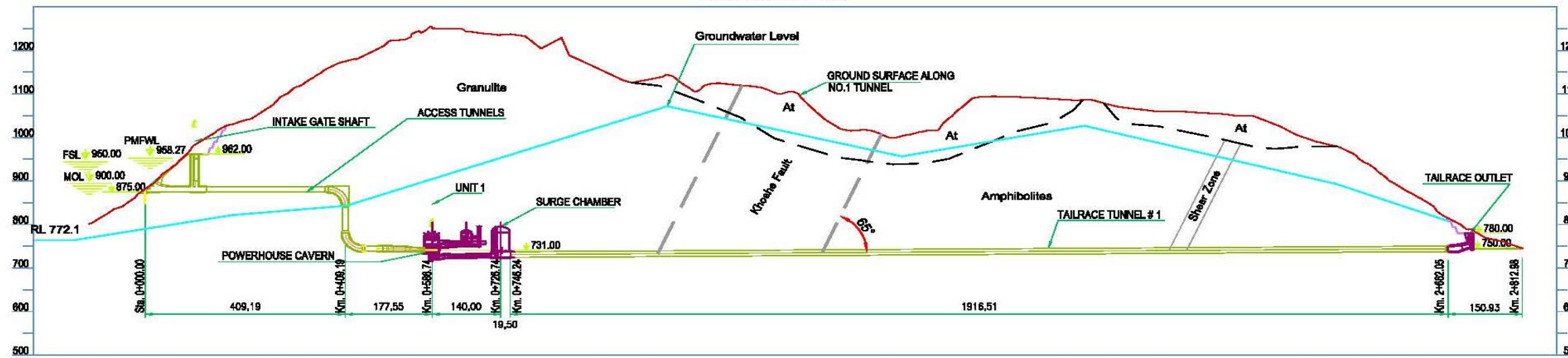
Sr. No	Activity	Timeline	Status / Remarks
<b>➤ Downstream Impact Management Plan of Fishing Communities (DIMP)</b>			
1	Baseline Socio-Economic Study	April 2022	The report has been finalized and submitted by the Consultant during April 2022
2	Follow-up with Provincial Fisheries Department to finalize MoU for signing	Delayed	MoU not yet finalized and being followed up with Fisheries Department.
3	Publishing of Booklet on "Importance of Fisheries and Cultivable Fish"	Delayed	Under review process with Fisheries Department, KPK.
4	Draft Proposal on Fisheries Entrepreneurship Program	Delayed	Meeting with fish farmers and field visit to be conducted.
<b>➤ Internal Monitoring and Evaluation(M&amp;E)</b>			
1	Submission of MPR on M&E Section	03-05-2022	
2	Preparation of Compensation Payment Summaries/Submissions	30-06-2022	
3	PAPs documents uploading	Continuous	
4	Support in Development of MIS	Continuous	
5	Compensation and TRP Payments	Continuous	
6	Verification and preparation of files for SMR Package	Continuous	
7	Preparation and Review of ESMR Files	30-06-2022	
<b>➤ Development of Management Information System (MIS)</b>			
1	Finalization of environment data entry system and development of its reporting system	June 2022	Development of remaining input / output modules for environment management system
2	Technical Support / development of new features in existing modules if required	June 2022	Maintenance of developed and operational modules. It can include improvements in existing systems, addition of new features in existing modules as per requirements

# FIGURES

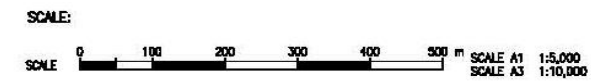




LAYOUT PLAN



WATERWAY PROFILE



**DASU HYDROPOWER PROJECT**



**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: Nishimiyu Hironobu 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

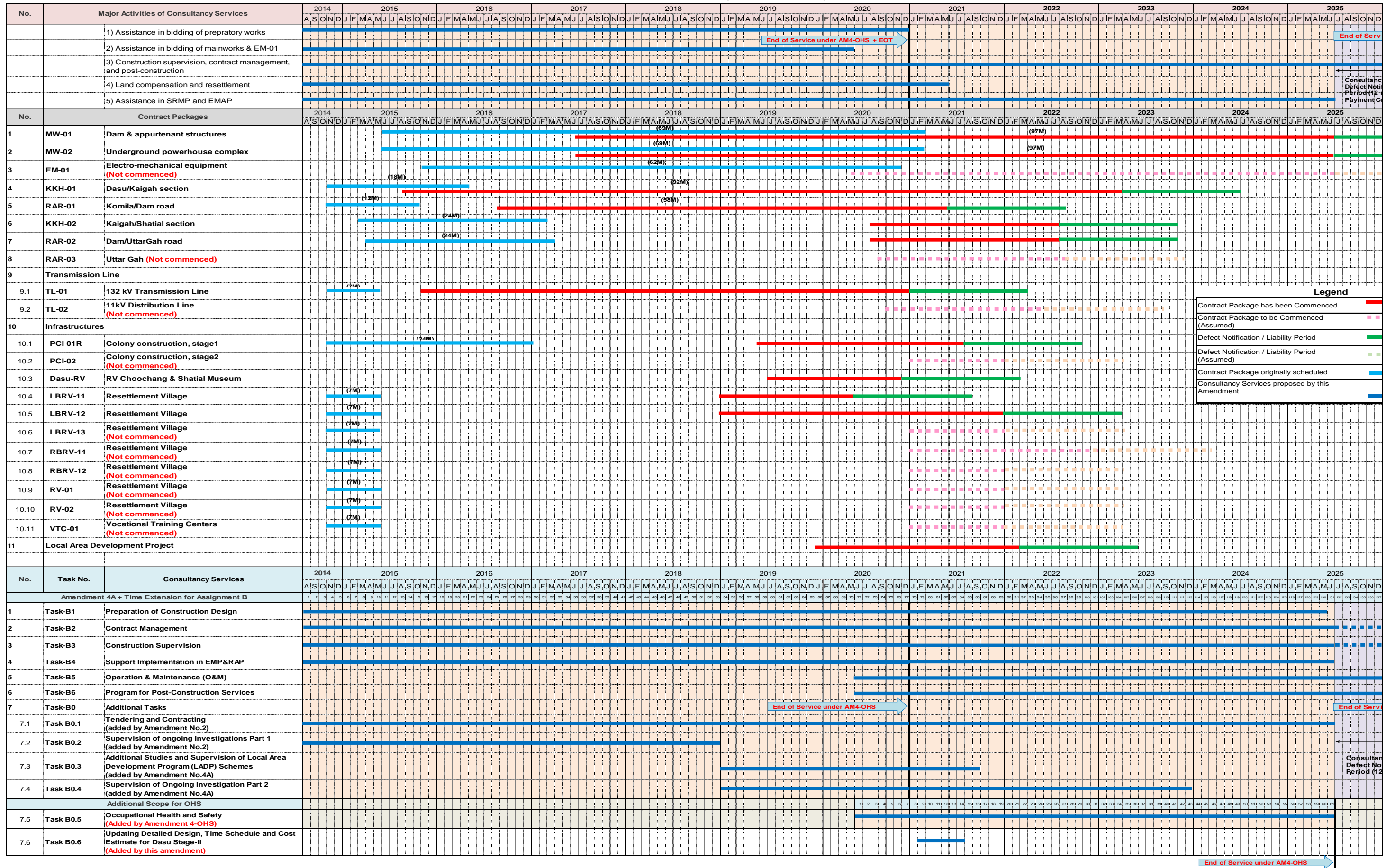


Figure 2: Implementation Schedule

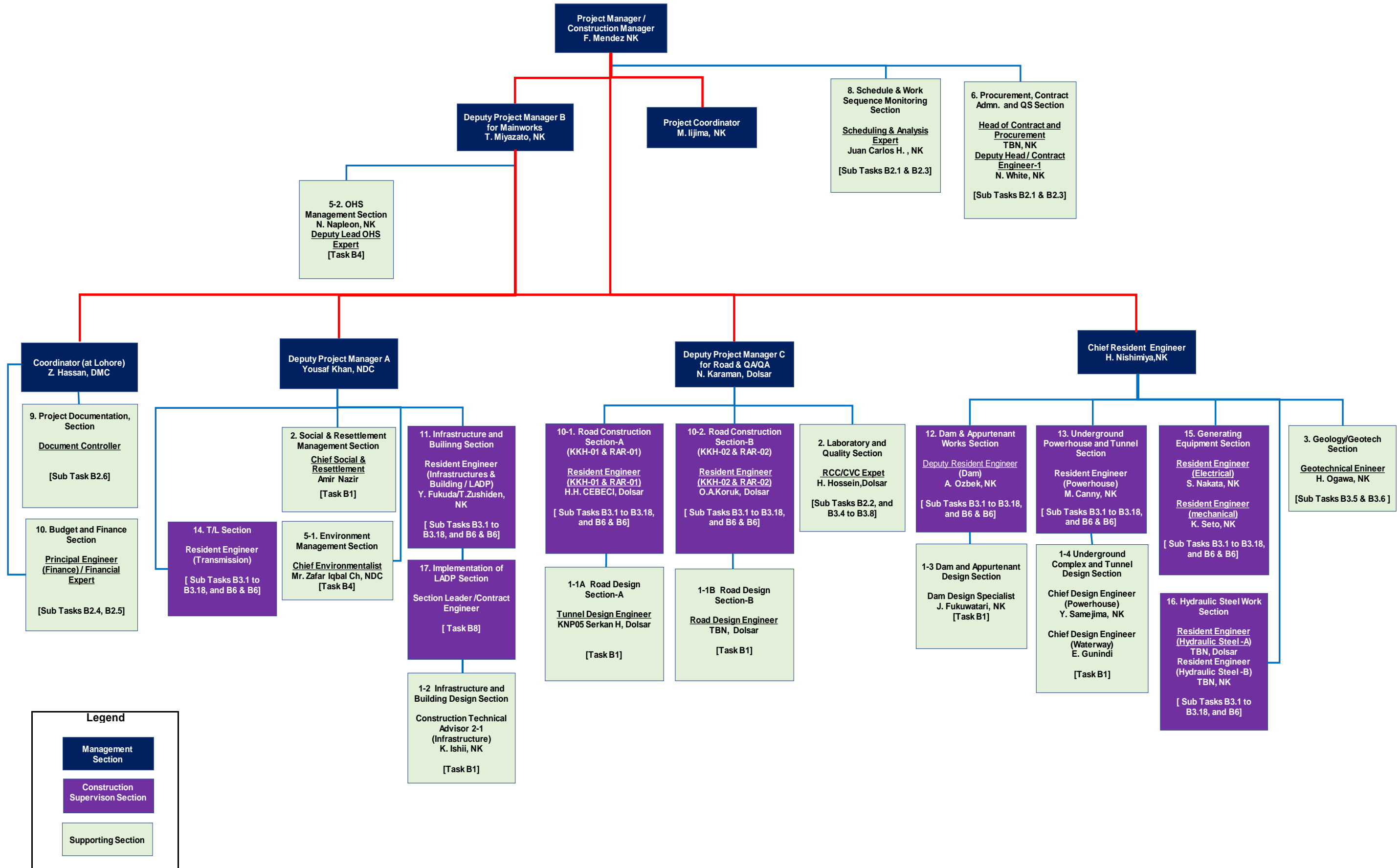


Figure 3: Organization for Consultant Team of Dasu Hydropower Project for Assignment-B



Figure 4 [1/1]

### Work Progress Upto Reporting Month

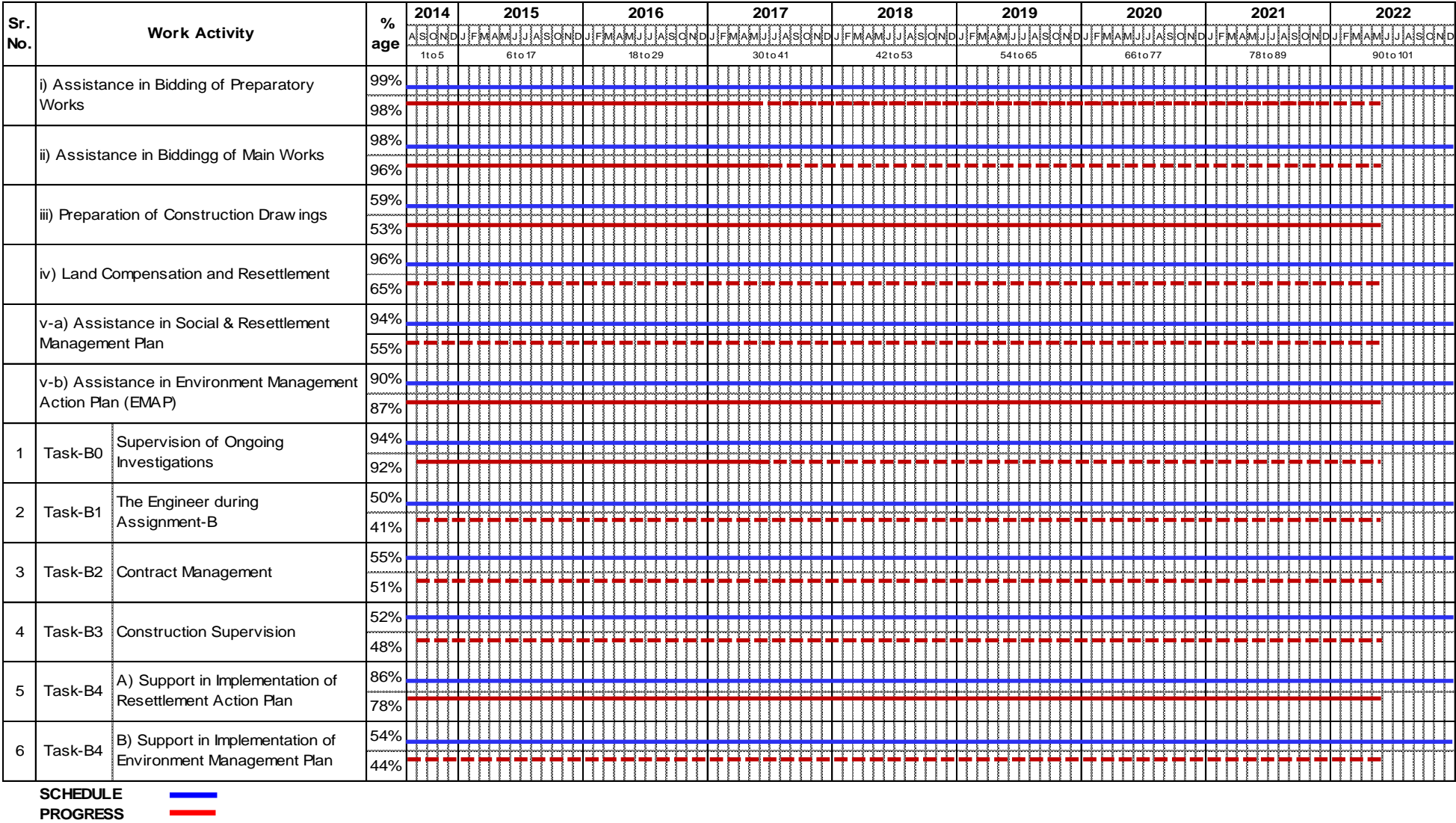


Figure 4: Work Progress



**DASU CONTRACTS PROCUREMENT SCHEDULE (May, 2022)**

Sr. No.	ACTIVITY	2020												2021												2022											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Bid of KKH-01																									Work Under Progress											
2	Bid of RAR-01																									Work Under Progress											
3	Bid of TL-01																									Work Under Progress											
4	Re-Bid of PCI-01R																									Work Under Progress											
5	Re-Bid of DASU-RV																									Work Under Progress											
6	Bid of KKH-02																									Work Under Progress											
7	Bid of RAR-02																									Commenced on 20th May 2021											
8	PQ of RAR-03																																				
9	Bid of RAR-03																																				
10	Bid of Resettlement Villages LBRV 11, LBRV 12 & RBRV 11																									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	Bid of MW-01																									Work Under Progress											
15	Bid of MW-02																									Work Under Progress											
16	Bid of EM-01																									Work Under Progress											

**Legends**

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

**Figure 5: Contracts Procurement Schedule**

### Dasu HPP Overall Physical Progress (%)

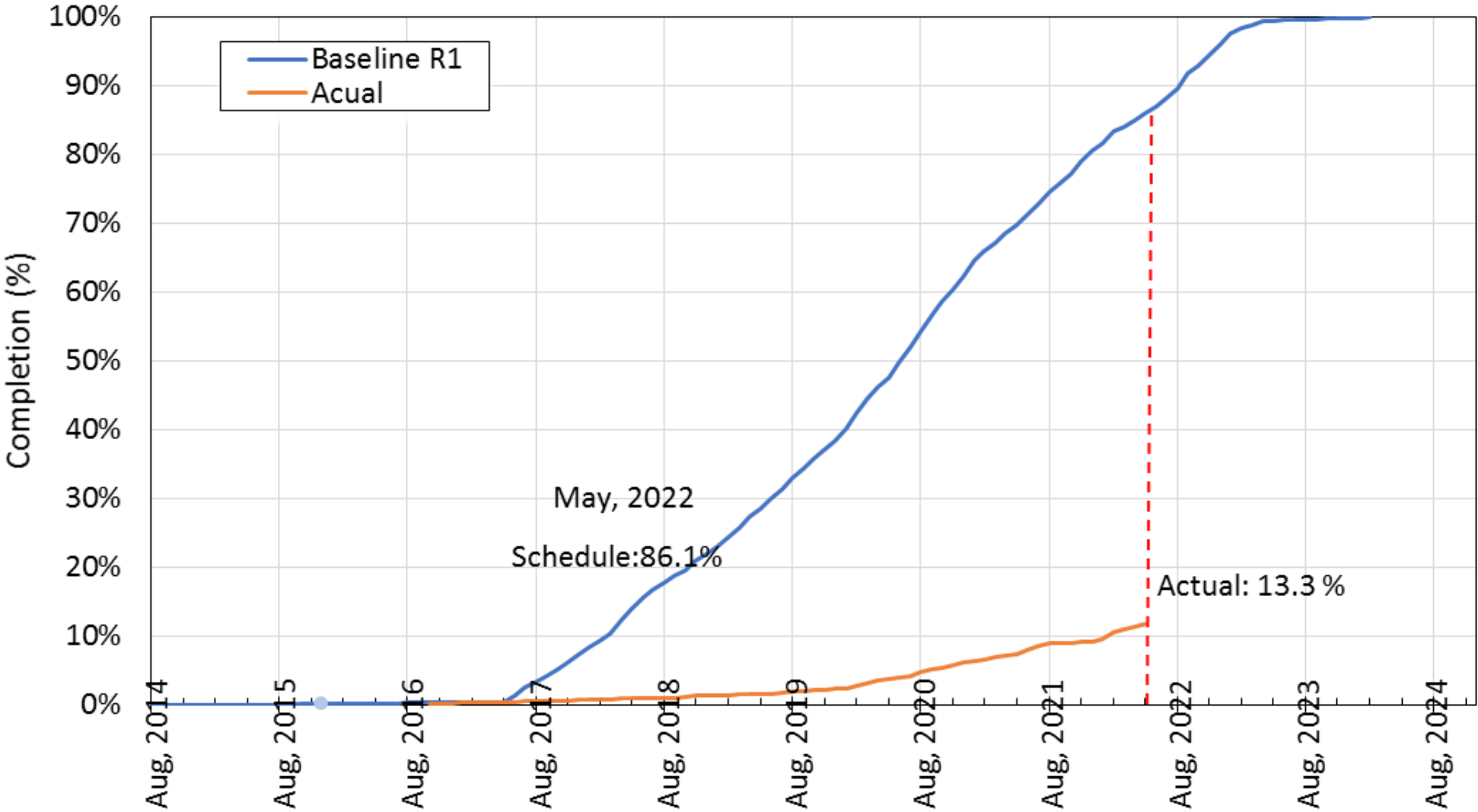


Figure 6: Dasu HPP Overall Progress (Physical Progress)

### Dasu HPP Overall Financial Progress (%)

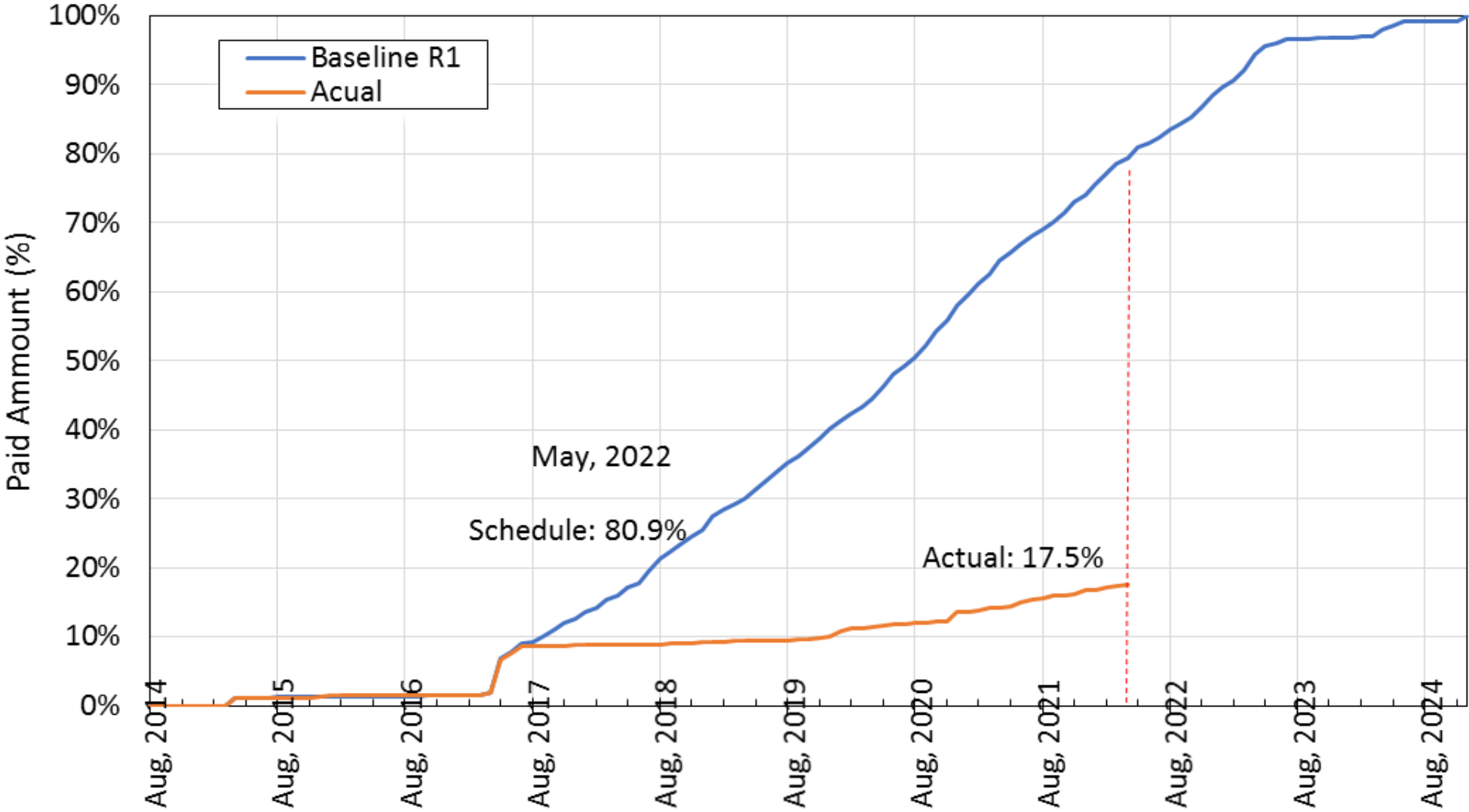


Figure 7: Dasu HPP Overall Progress (Financial Progress)



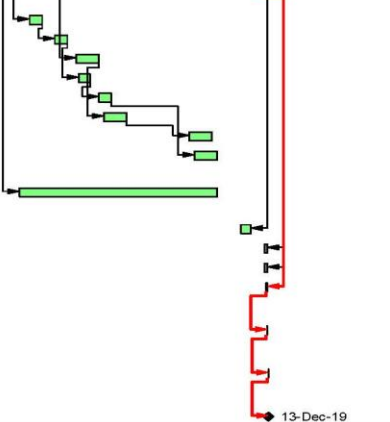






Figure 8 [5/5]

DASU-KKH-01 (2nd EOT) Contract Work Execution Programme							
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float
2015							
2016							
2017							
2018							
2019							
2020							
218	<b>Culverts</b>		365	03-Sep-18	02-Sep-19	0	102
219	A507580	Construction of Culvert at K1+400 (kaigah bypass)	25	03-Sep-18	27-Sep-18	0	102
220	A507570	Construction of Culvert at K1+080 (kaigah bypass)	25	22-Oct-18	15-Nov-18	0	102
221	A507510	Construction of Culvert at K21+711	45	02-Dec-18	15-Jan-19	0	112
222	A507560	Construction of Culvert at K0+830 (kaigah bypass)	25	06-Dec-18	30-Dec-18	0	102
223	A507550	Construction of Culvert at K0+589 (kaigah bypass)	25	16-Jan-19	09-Feb-19	0	102
224	A507520	Construction of Culvert at K21+886	45	26-Jan-19	11-Mar-19	0	112
225	A507530	Construction of Culvert at K22+518	45	10-Jul-19	23-Aug-19	112	112
226	A507540	Construction of Culvert at K23+013	45	20-Jul-19	02-Sep-19	102	102
227	<b>Drainage and Erosion Works</b>		385	14-Aug-18	02-Sep-19	0	102
228	A507610	Erosion works and Drainage works	385	14-Aug-18	02-Sep-19	102	102
229	<b>Ancillary Works</b>		52	20-Oct-19	10-Dec-19	0	3
230	A507710	Metal guard rail	20	20-Oct-19	08-Nov-19	35	35
231	A507720	Signs	6	05-Dec-19	10-Dec-19	3	3
232	A507730	Pavement marking and road studs	5	06-Dec-19	10-Dec-19	3	3
233	A507740	Kilometer post	2	09-Dec-19	10-Dec-19	0	0
234	<b>Submission of As-built Documents</b>		1	11-Dec-19	11-Dec-19	0	0
235	A600000	Submission of as-built documents	1	11-Dec-19	11-Dec-19	0	0
236	<b>Test on Completion and Acceptance</b>		2	12-Dec-19	13-Dec-19	0	0
237	A700000	Test on Completion	2	12-Dec-19	13-Dec-19	0	0
238	<b>Acceptance</b>		0	13-Dec-19	13-Dec-19	0	0
239	A800000	Acceptance	0		13-Dec-19	0	0



Remaining Work    ◆    Milestone  
 Critical Remaining Work

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



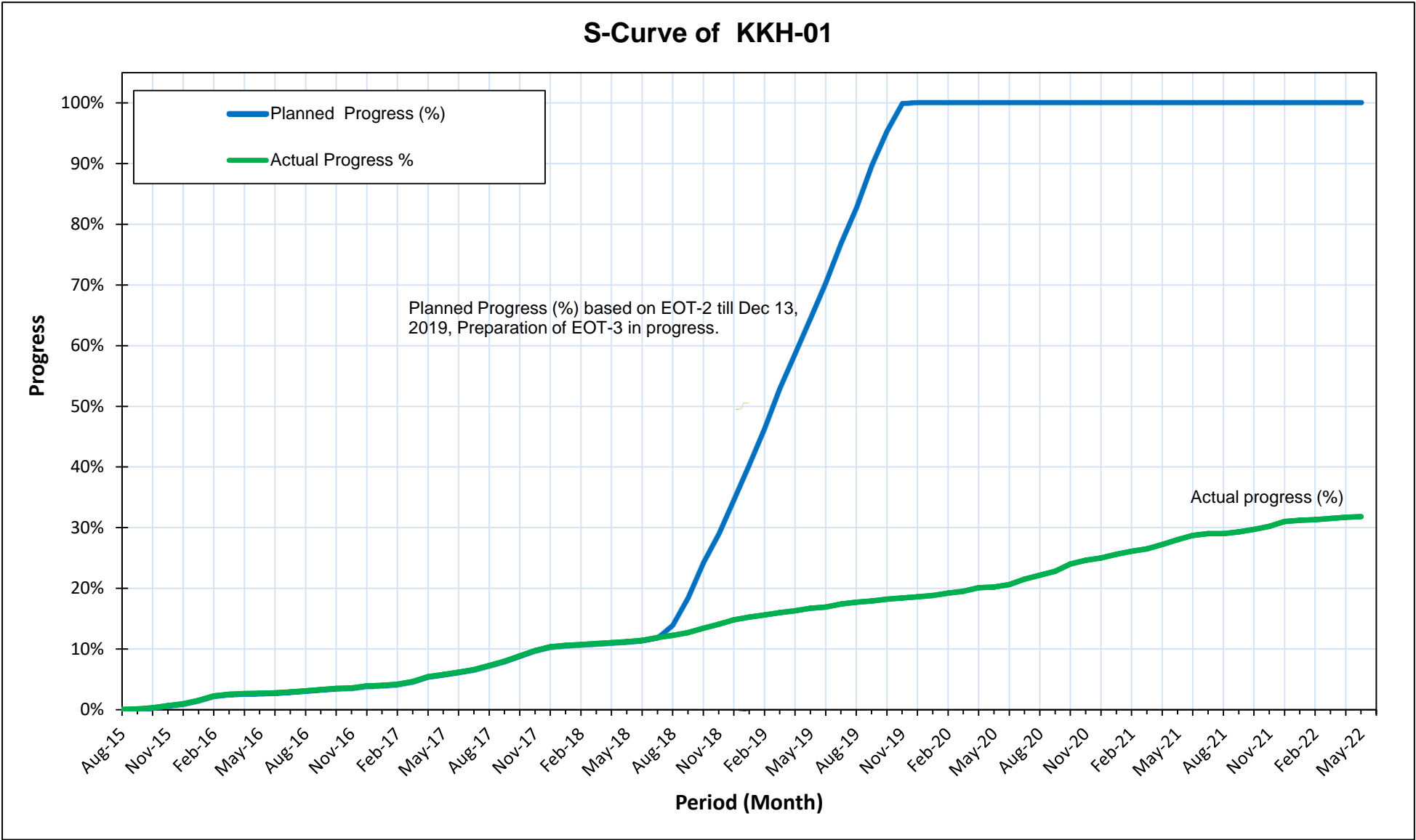


Figure 9: S Curve for Dasu-KKH-01

Figure 10 [1/6]

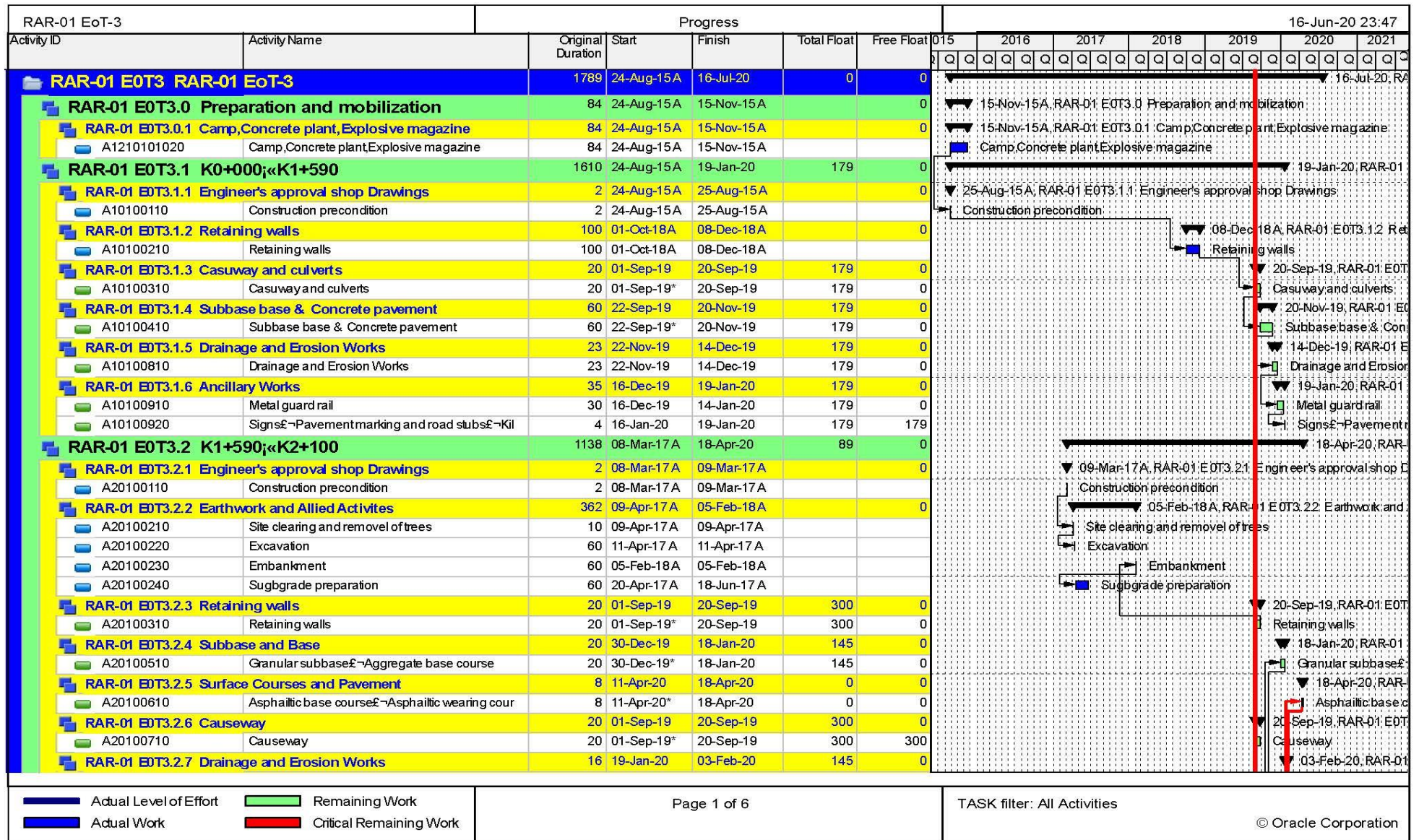
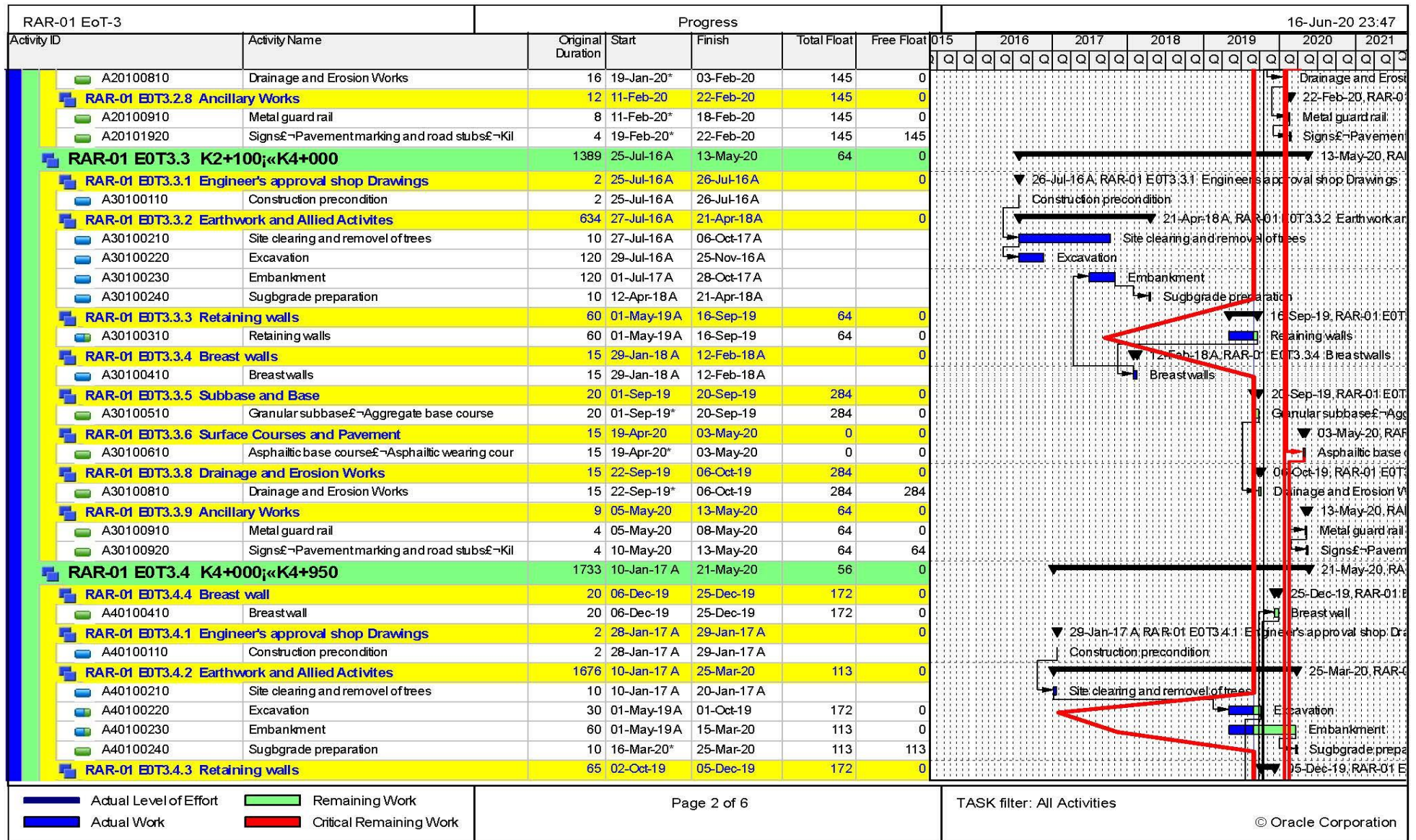


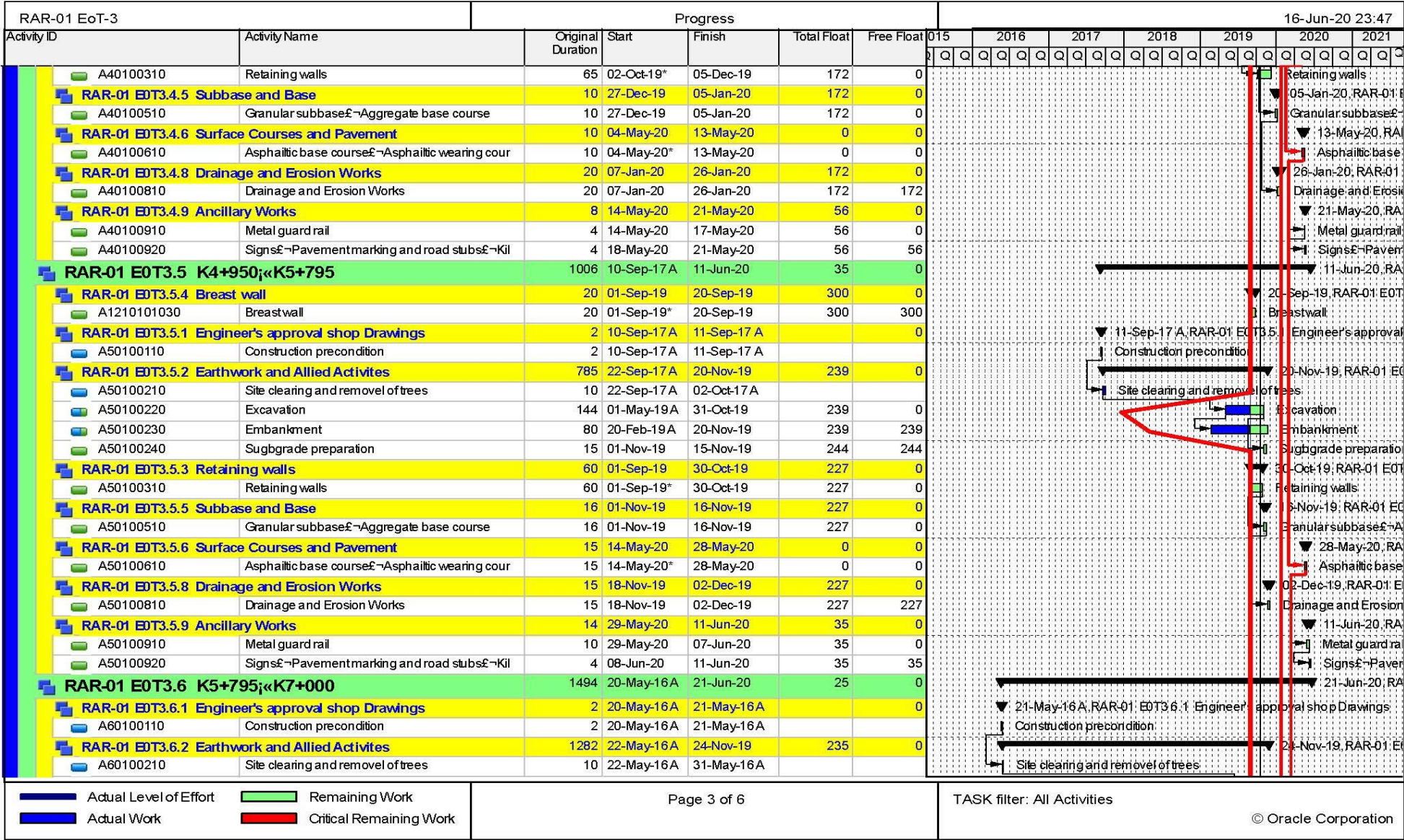
Figure 10: Gantt Chart of Dasu-RAR-01 (1 of 6)

Figure 10 [2/6]



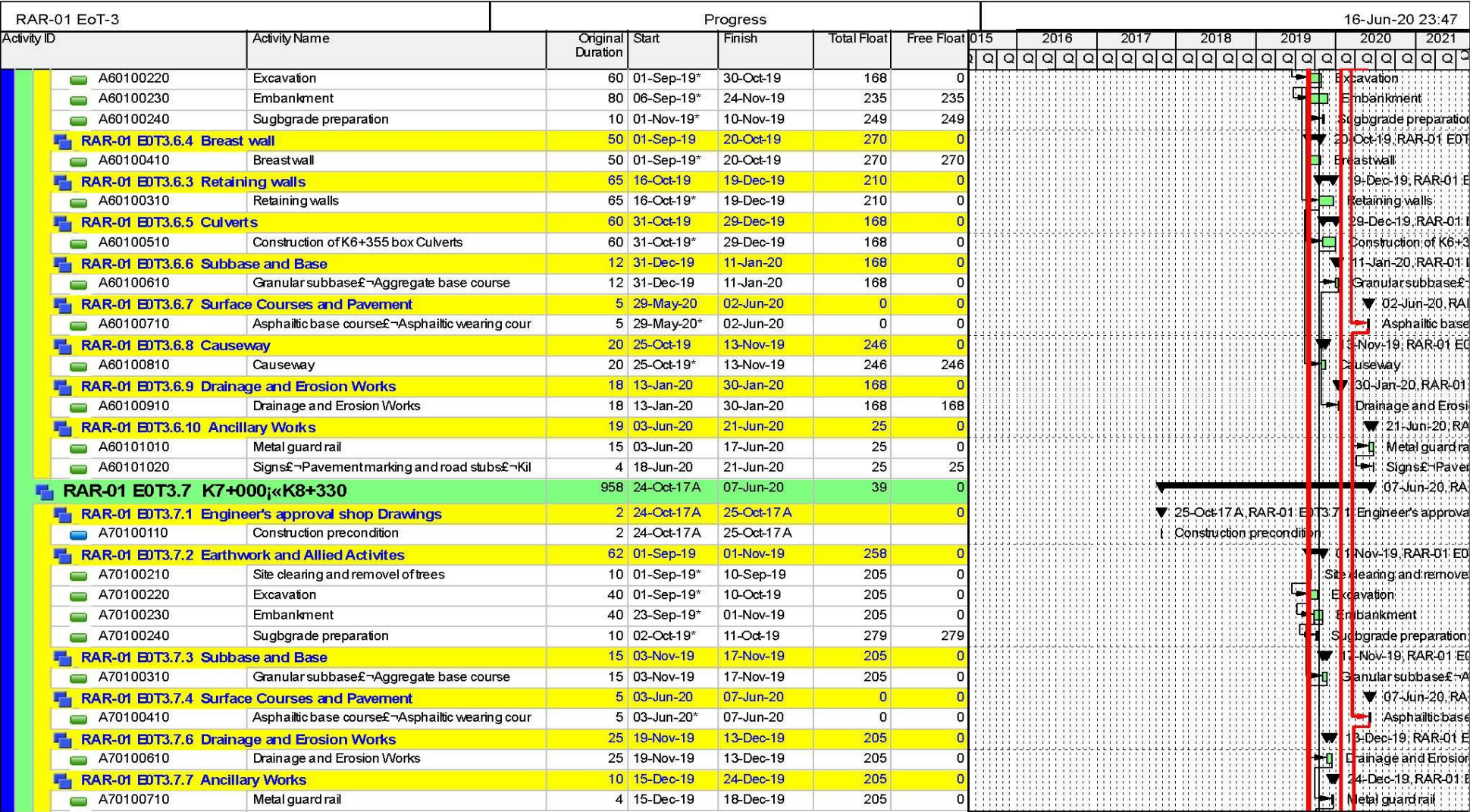
Gantt Chart of Dasu-RAR-01 (2 of 6)

Figure 10 [3/6]



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

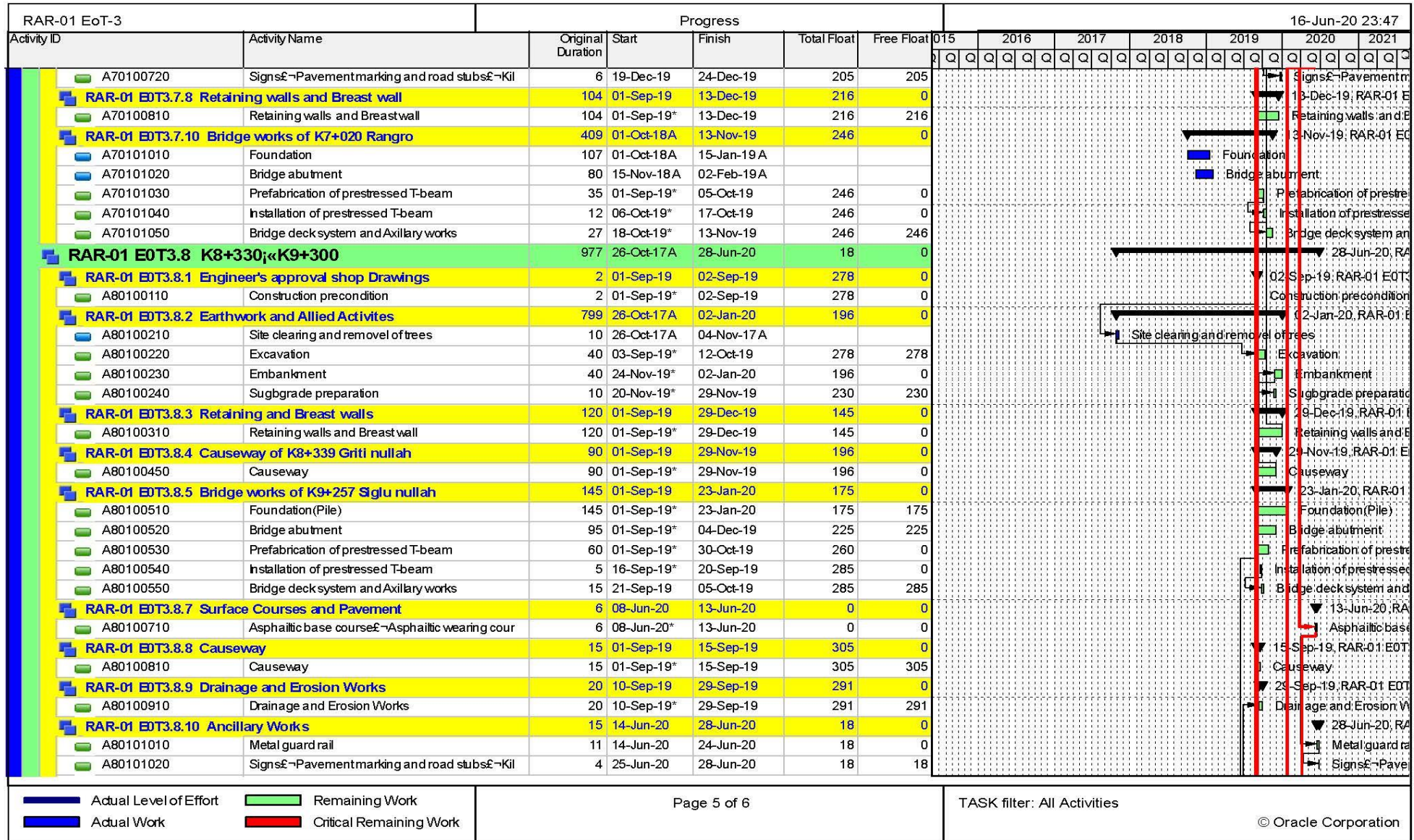
Figure 10 [4/6]



■ Actual Level of Effort    ■ Remaining Work  
■ Actual Work                    ■ Critical Remaining Work

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

Figure 10 [5/6]



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

Figure 10 [6/6]

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
RAR-01 EDT3.8.6	Subbase and Base	9	01-Sep-19	09-Sep-19	291	0																	
A80100610	Granular subbase&Aggregate base course	9	01-Sep-19	09-Sep-19	291	0																	
RAR-01 EDT3.9	K9+300;<K12+071	315	01-Sep-19	11-Jul-20	5	0																	
RAR-01 EDT3.9.1	Land issue solved	1	01-Sep-19	01-Sep-19	0	0																	
A1210101050	land issues solved (assumed)	1	01-Sep-19*	01-Sep-19	0	0																	
RAR-01 EDT3.9.2	Bypass Construction	29	01-Sep-19	29-Sep-19	291	0																	
A90100210	Bypass Construction	29	01-Sep-19*	29-Sep-19	291	291																	
RAR-01 EDT3.9.3	Earthwork and Allied Activites	283	01-Sep-19	09-Jun-20	0	0																	
A90500310	Site clearing and removal of trees	10	01-Sep-19*	10-Sep-19	0	0																	
A90500320	Excavation	265	01-Sep-19*	22-May-20	0	0																	
A90500330	Embankment	265	15-Sep-19*	05-Jun-20	0	0																	
A90500340	Subgrade preparation	260	24-Sep-19	09-Jun-20	0	0																	
RAR-01 EDT3.9.4	Retaining walls	261	19-Sep-19	05-Jun-20	0	0																	
A90100410	Retaining walls	261	19-Sep-19	05-Jun-20	0	0																	
RAR-01 EDT3.9.5	Breast walls	261	19-Sep-19	05-Jun-20	0	0																	
A90100510	Breastwalls	261	19-Sep-19	05-Jun-20	0	0																	
RAR-01 EDT3.9.6	Culverts	75	01-Sep-19	14-Nov-19	245	0																	
A90100610	Construction of K11+908 Box Culverts	75	01-Sep-19*	14-Nov-19	245	245																	
RAR-01 EDT3.9.7	Subbase and Base	10	10-Jun-20	19-Jun-20	0	0																	
A90100710	Granular subbase&Aggregate base course	10	10-Jun-20	19-Jun-20	0	0																	
RAR-01 EDT3.9.8	Surface Courses and Pavement	8	21-Jun-20	28-Jun-20	0	0																	
A90100810	Asphaltic base course&Asphaltic wearing cour	8	21-Jun-20	28-Jun-20	0	0																	
RAR-01 EDT3.9.9	Causeway	10	01-Sep-19	10-Sep-19	310	0																	
A90100910	Causeway	10	01-Sep-19*	10-Sep-19	310	310																	
RAR-01 EDT3.9.10	Drainage and Erosion Works	11	21-Jun-20	01-Jul-20	0	0																	
A90101010	Drainage and Erosion Works	11	21-Jun-20	01-Jul-20	0	0																	
RAR-01 EDT3.9.11	Andillary Works	12	30-Jun-20	11-Jul-20	0	0																	
A90101110	Metal guard rail	8	30-Jun-20	07-Jul-20	0	0																	
A90101220	Signs&Pavement marking and road stubs&Kil	3	09-Jul-20	11-Jul-20	0	0																	
RAR-01 E0T3.10	Submit Completion drawing	2	13-Jul-20	14-Jul-20	0	0																	
A1010101010	Submit complete drawing	2	13-Jul-20	14-Jul-20	0	0																	
RAR-01 E0T3.11	Inspection after completion	1	15-Jul-20	15-Jul-20	0	0																	
A1110101010	Inspection after completion	1	15-Jul-20	15-Jul-20	0	0																	
RAR-01 E0T3.12	Hand over	1	16-Jul-20	16-Jul-20	0	0																	
A1210101010	Hand over	1	16-Jul-20	16-Jul-20	0	0																	

Actual Level of Effort    Remaining Work  
 Actual Work            Critical Remaining Work

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

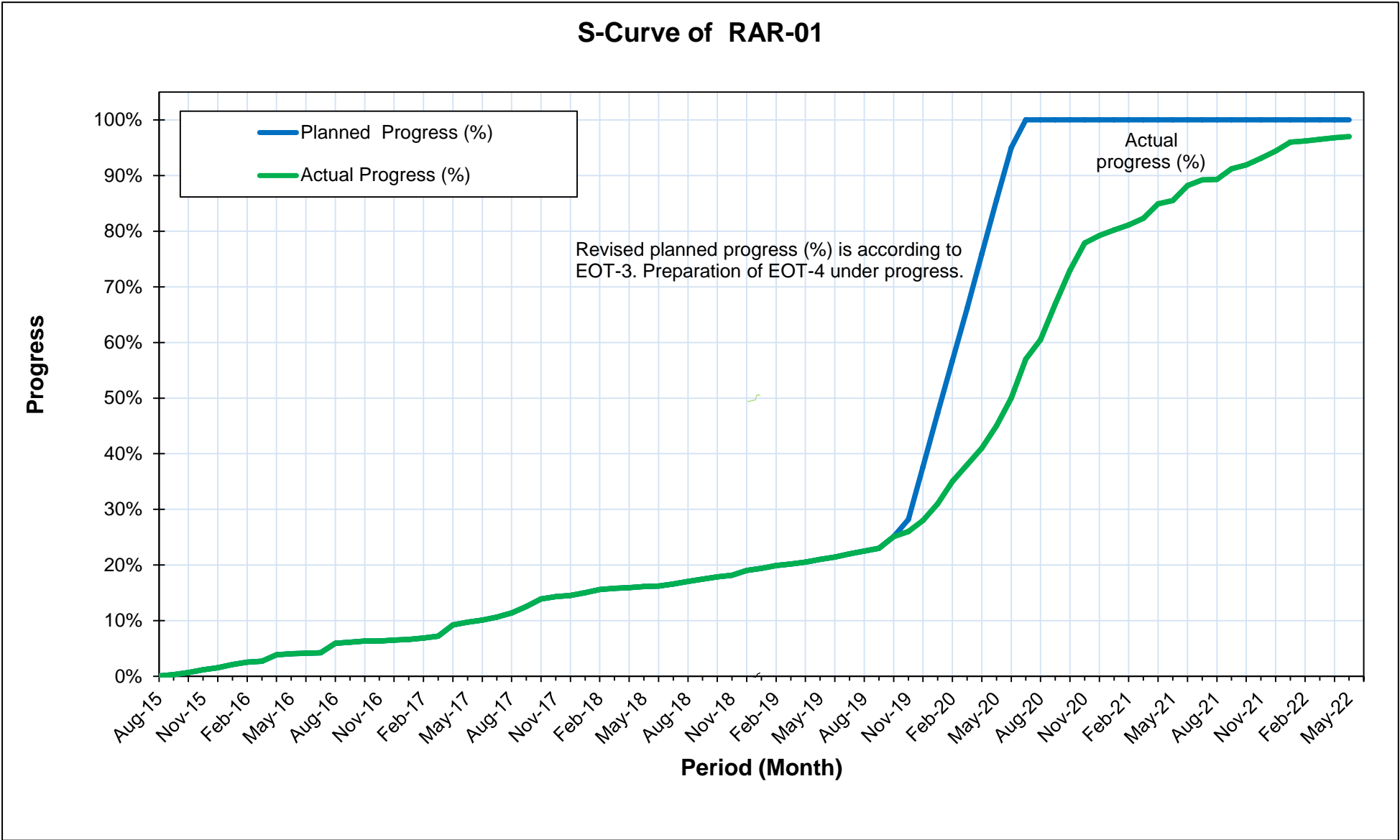
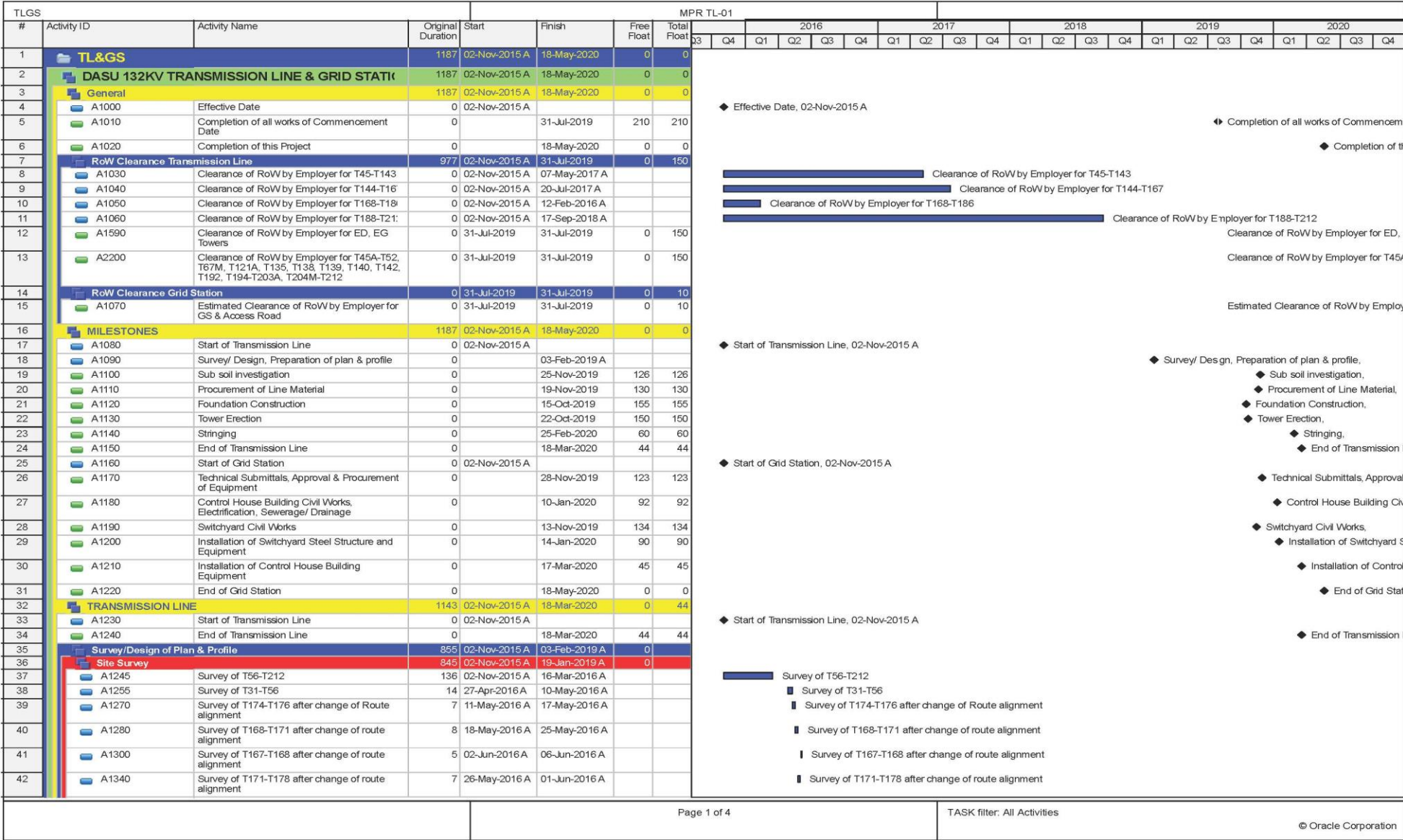


Figure 11: S Curve for Dasu-RAR-01



**Figure 12 [1/4]**



**Figure 12: Gantt Chart of Dasu-TL-01 (1 of 4)**

Figure 12 [2/4]



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



Figure 12 [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)

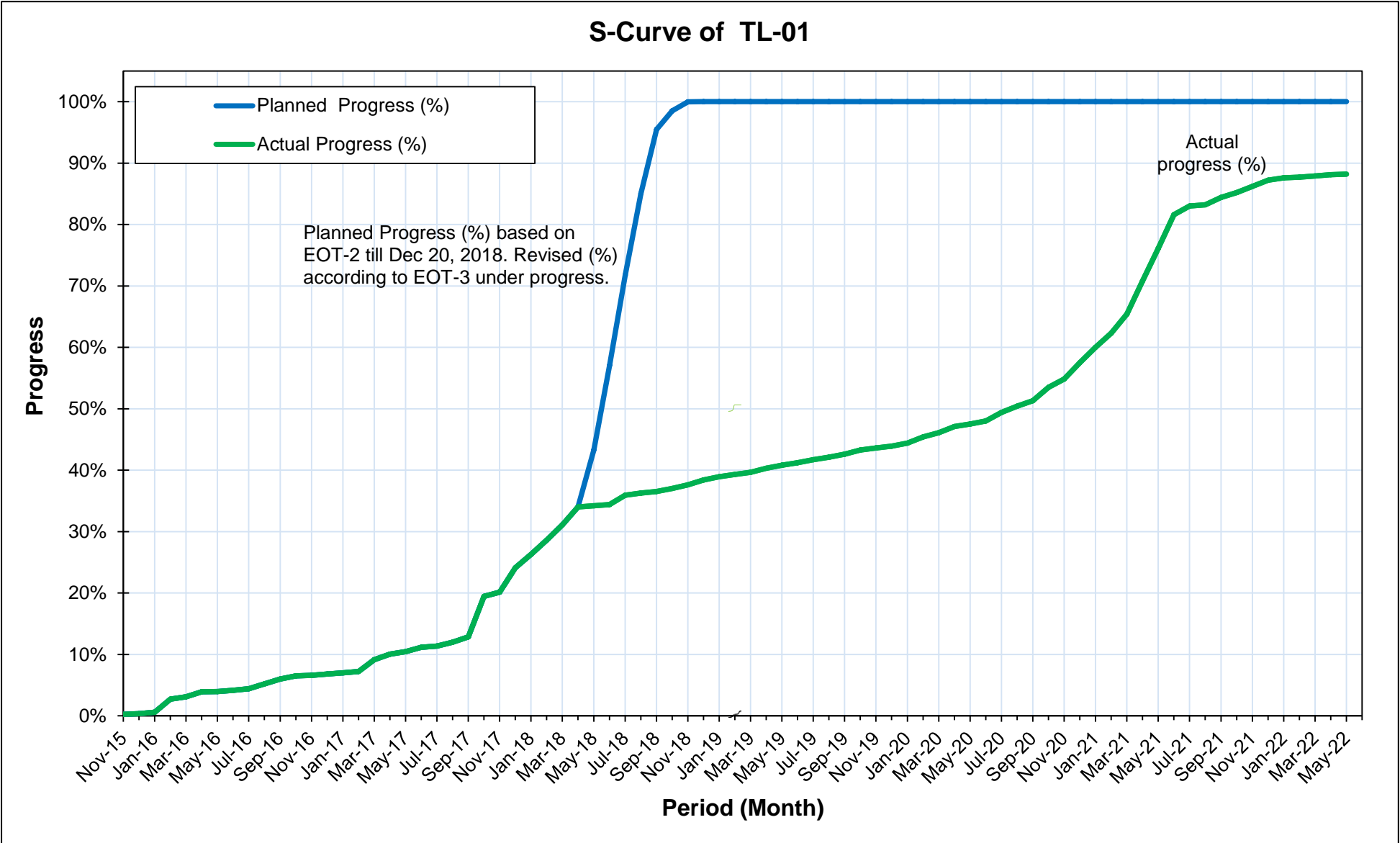


Figure 13: S Curve for Dasu-TL-01

Figure 14 [1/6]

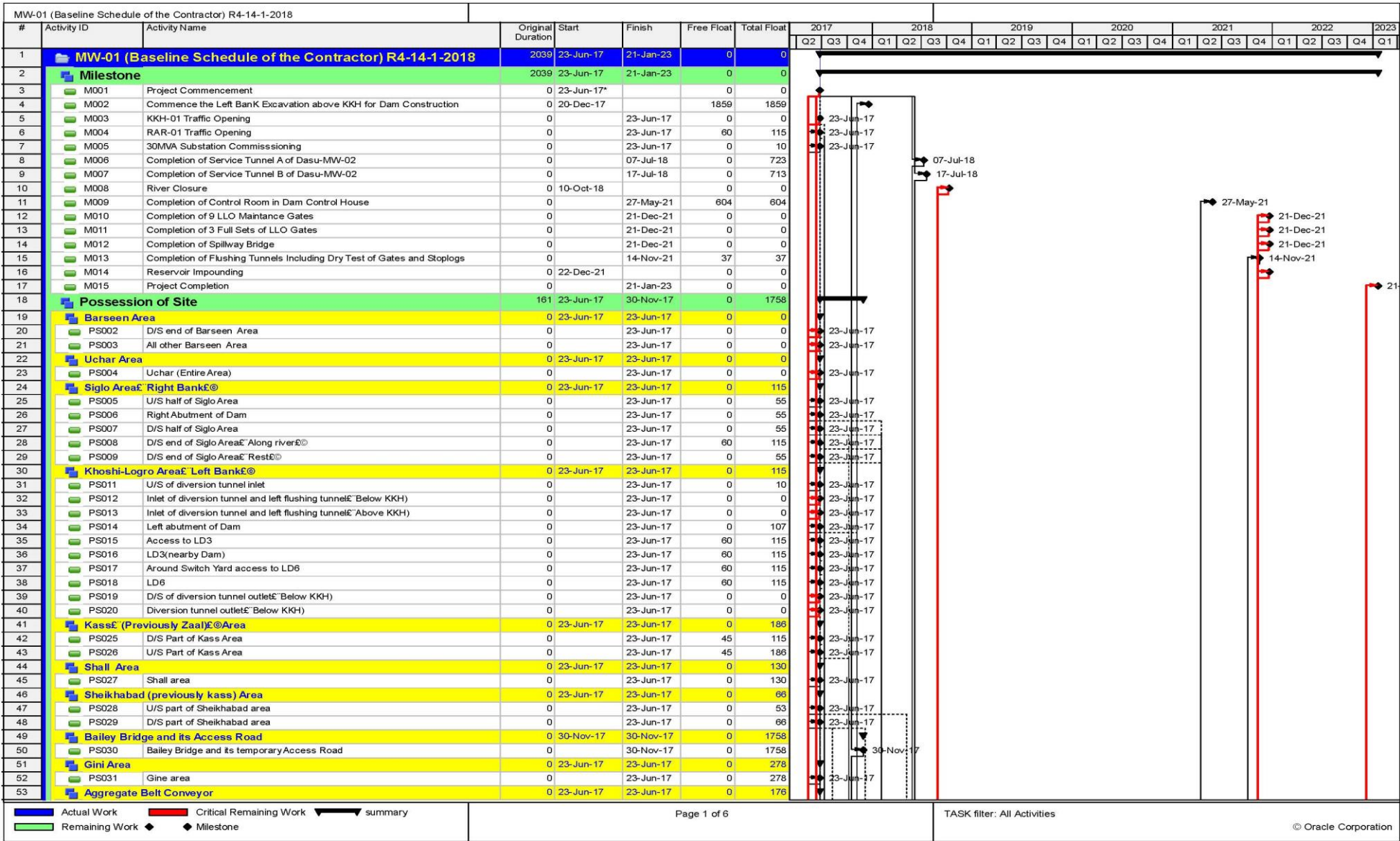
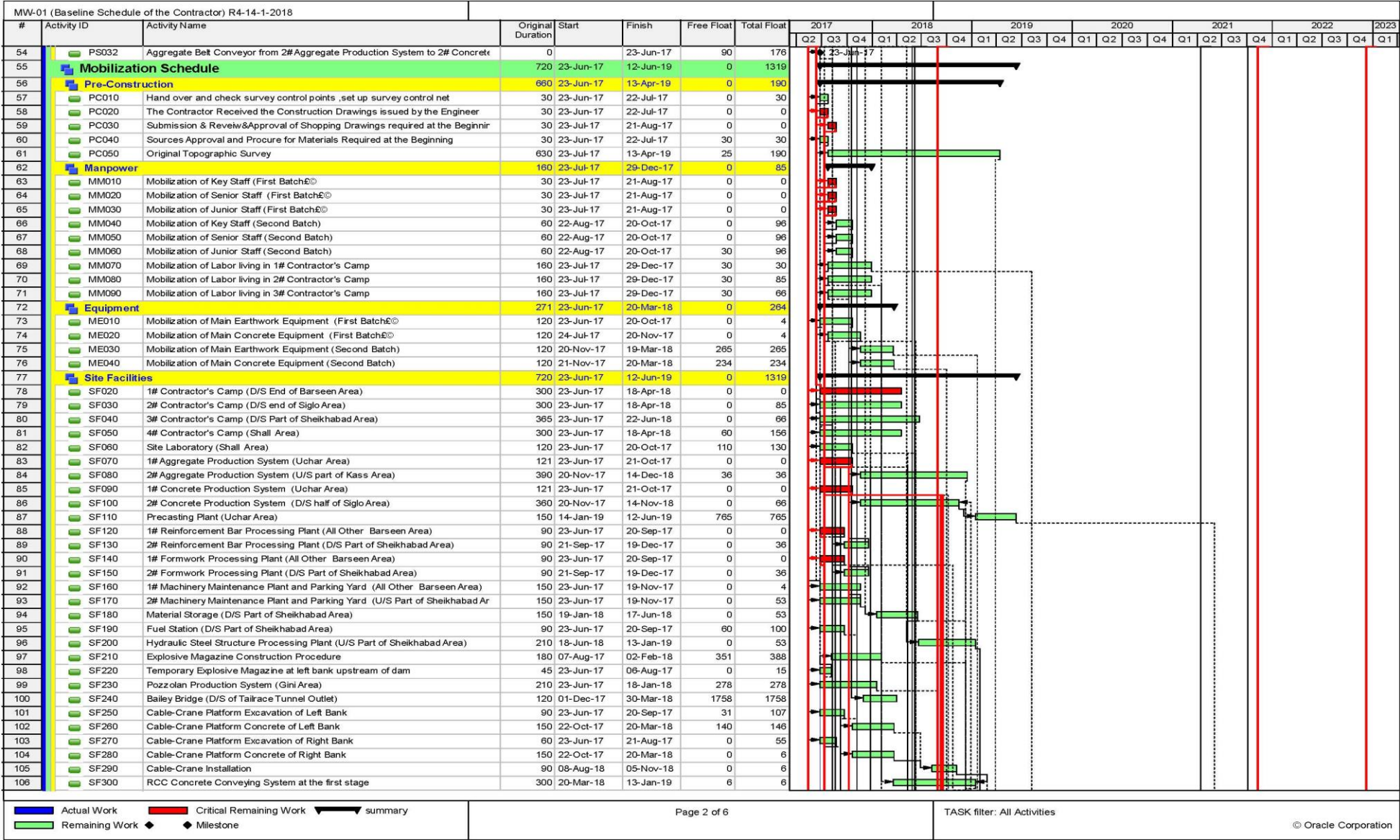


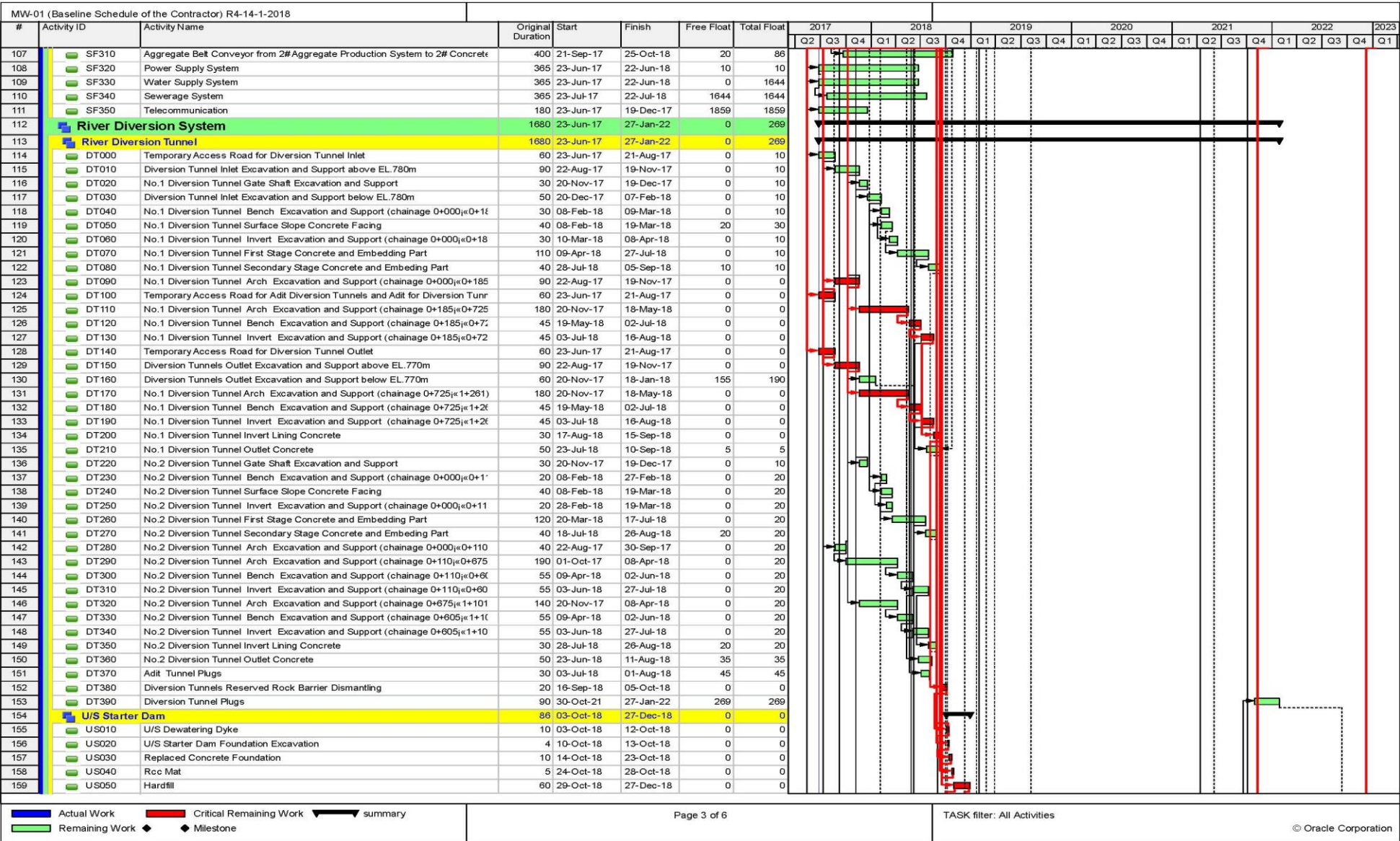
Figure 14: Gantt Chart of Dasu-MW-01 (1 of 6)

Figure 14 [2/6]



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

Figure 14 [3/6]

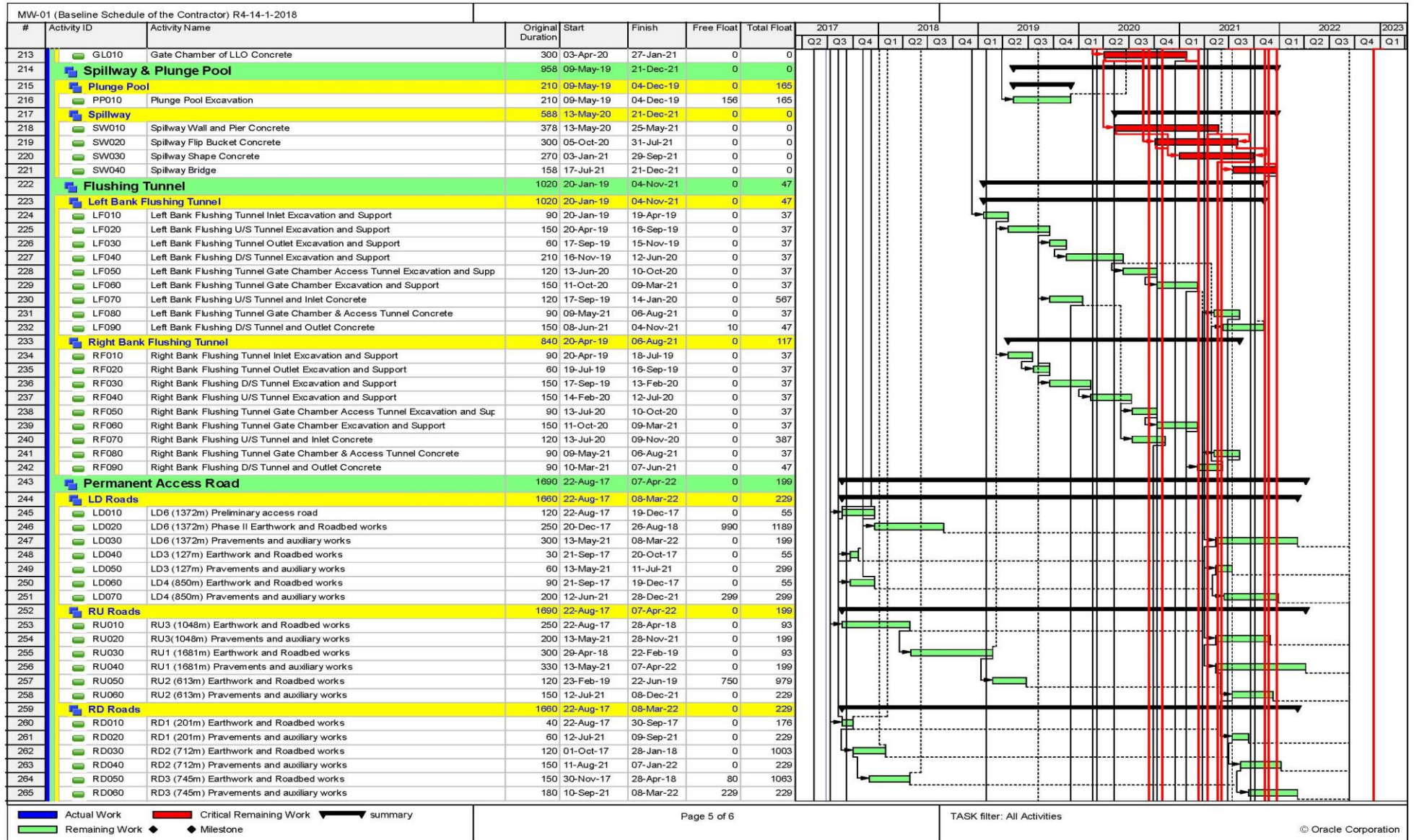


Gantt Chart of Dasu-MW-01 (3 of 6)



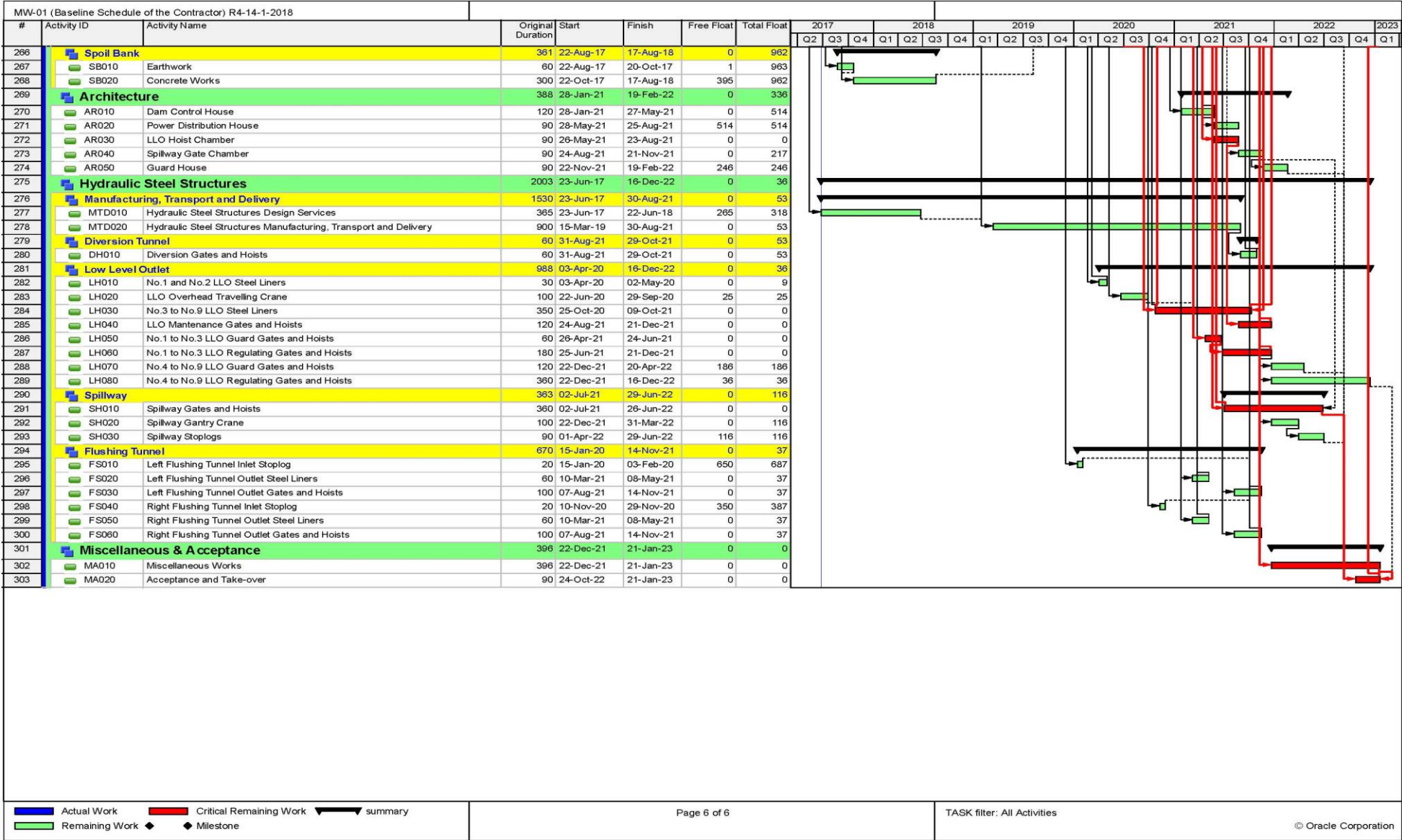


**Figure 14 [5/6]**



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

Figure 14 [6/6]



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

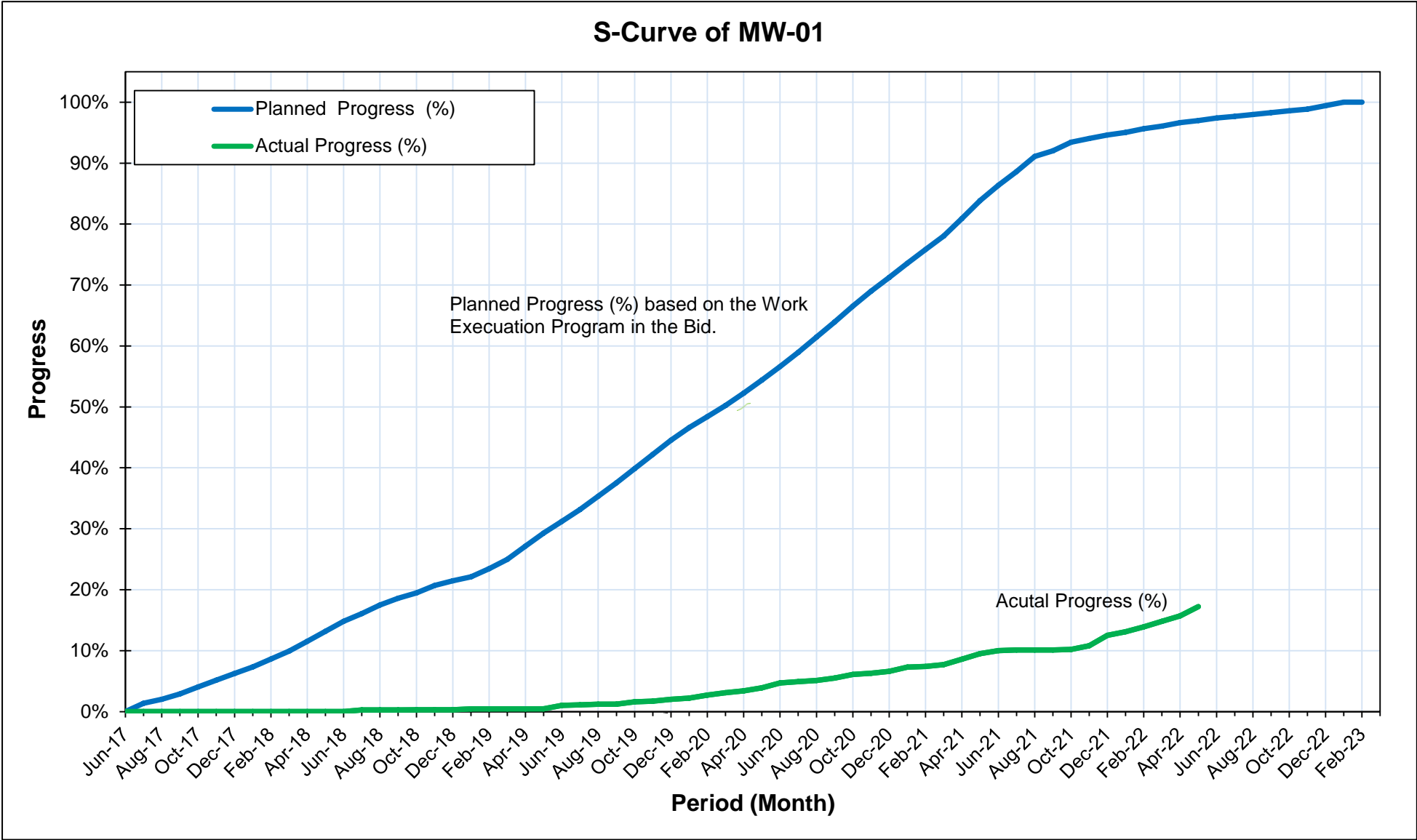


Figure 15: S-Curve for MW-01

Figure 16 [1/8]

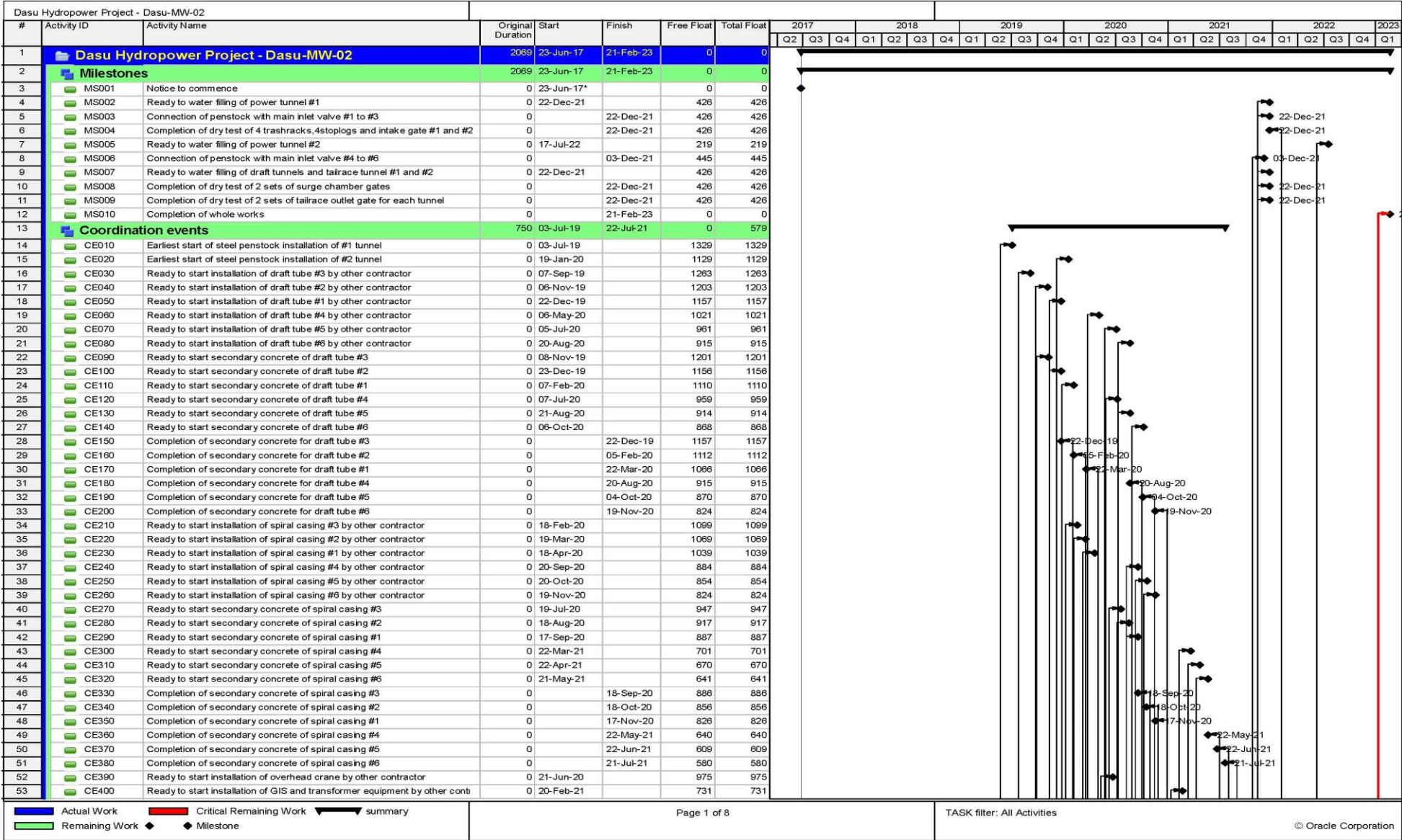
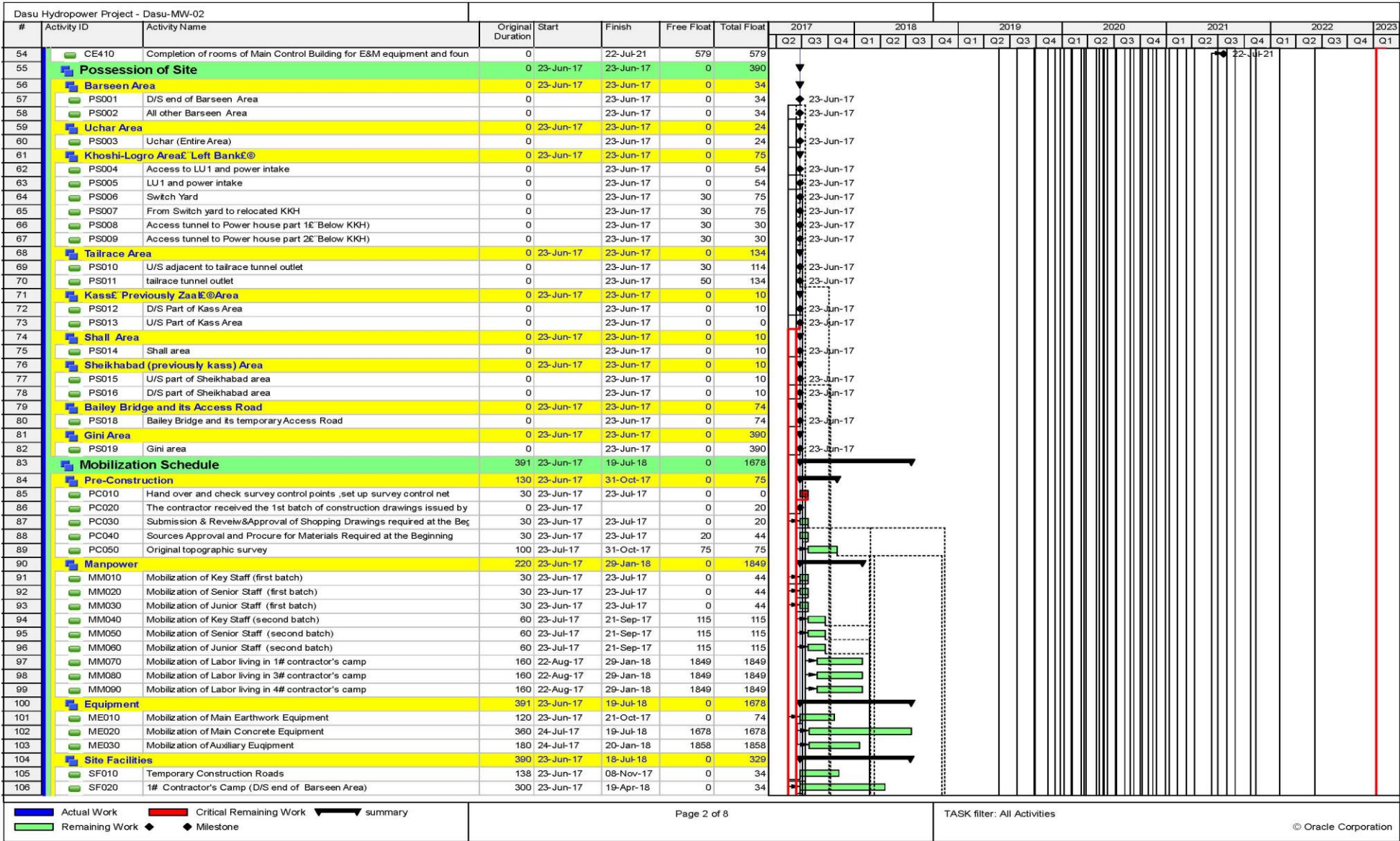


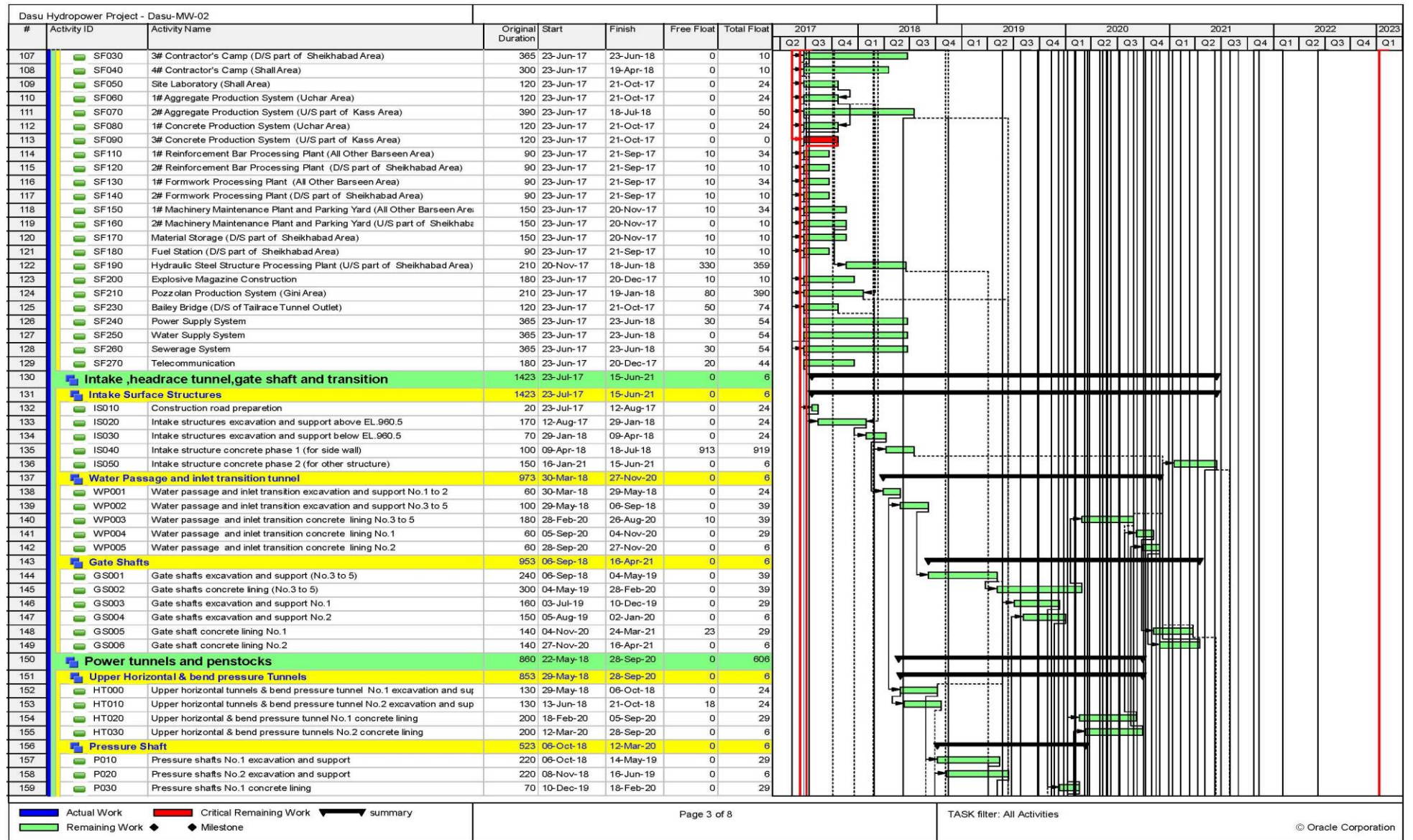
Figure 16: Gantt Chart of Dasu-MW-02 (1 of 8)

**Figure 16 [2/8]**



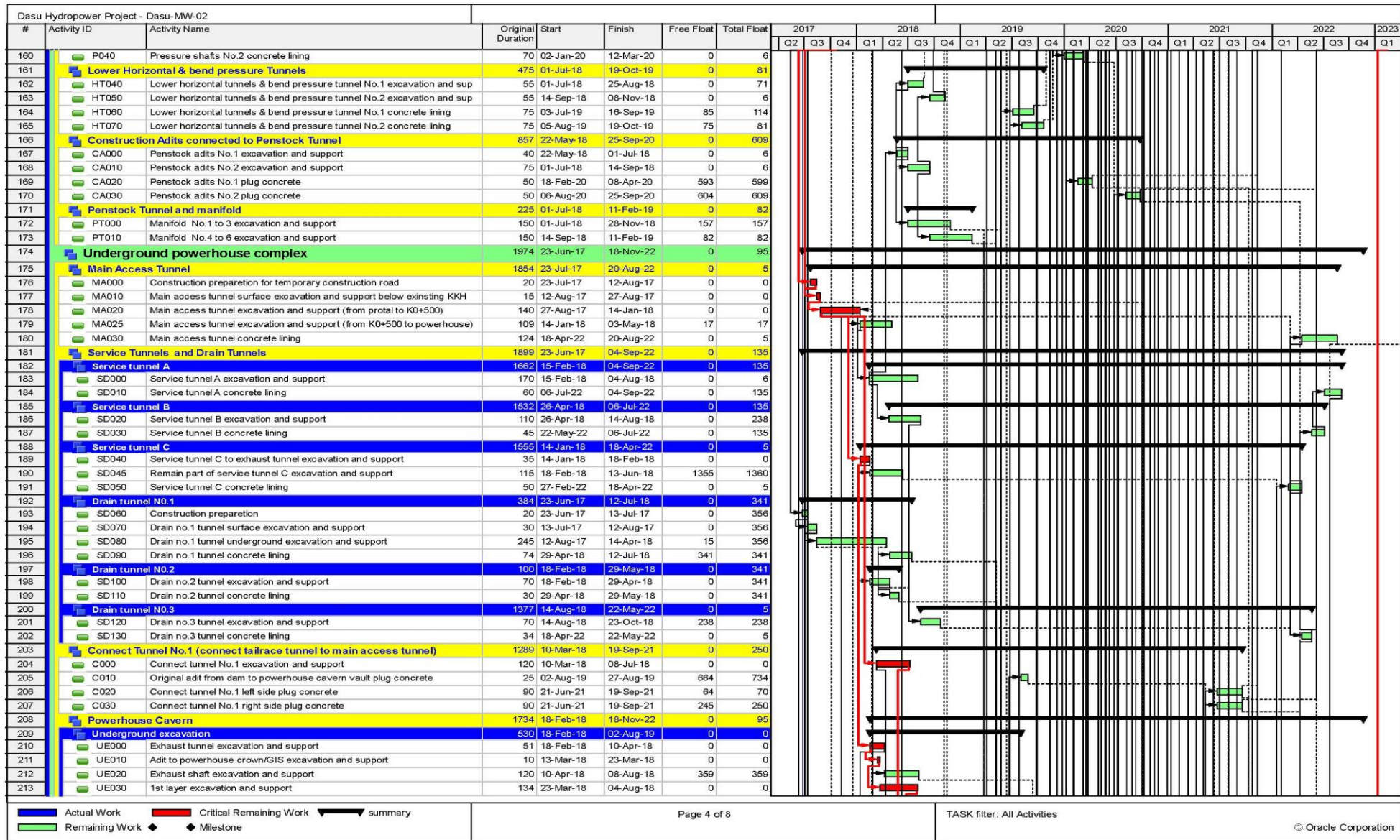
**Gantt Chart of Dasu-MW-02 (2 of 8)**

Figure 16 [3/8]



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

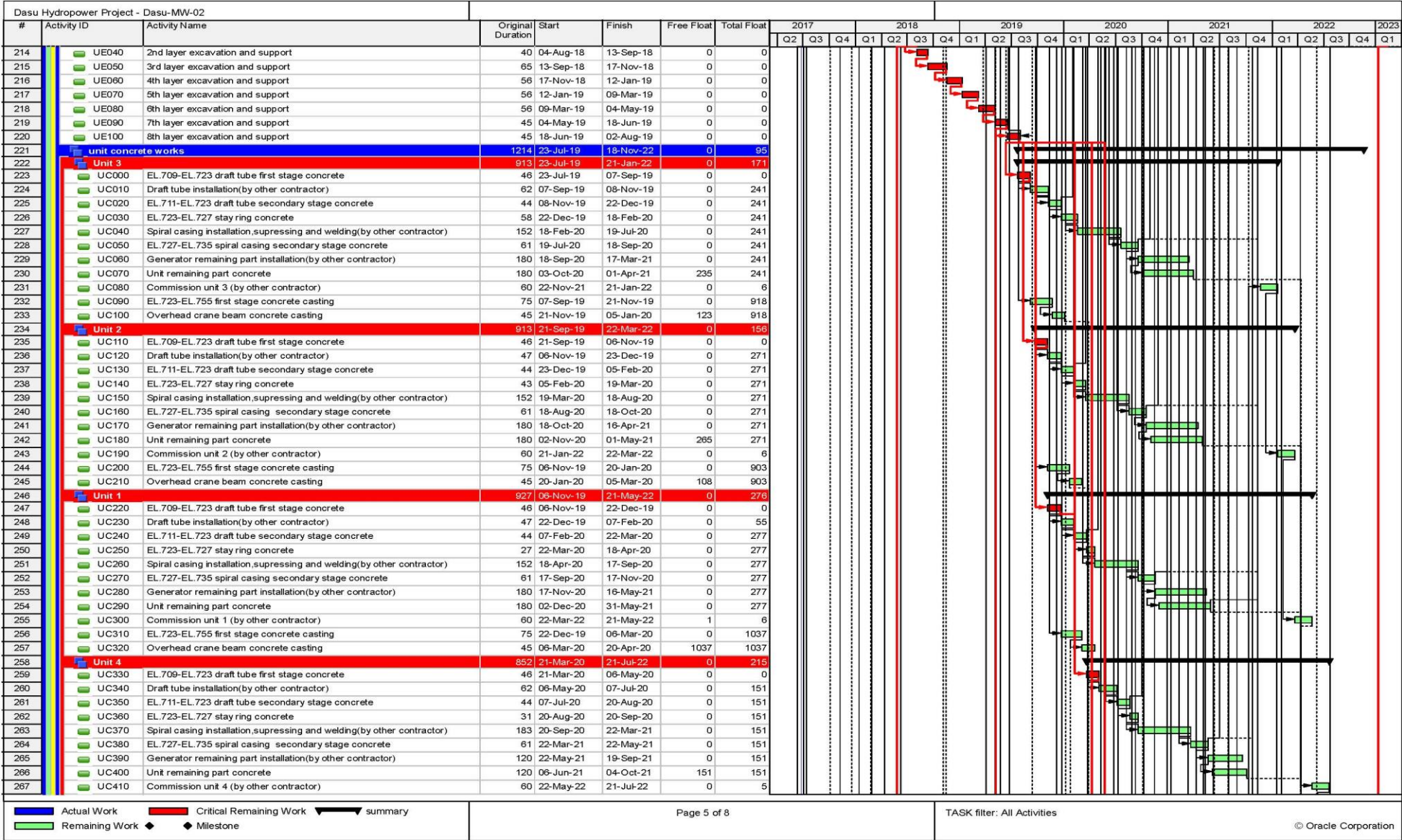
Figure 16 [4/8]



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

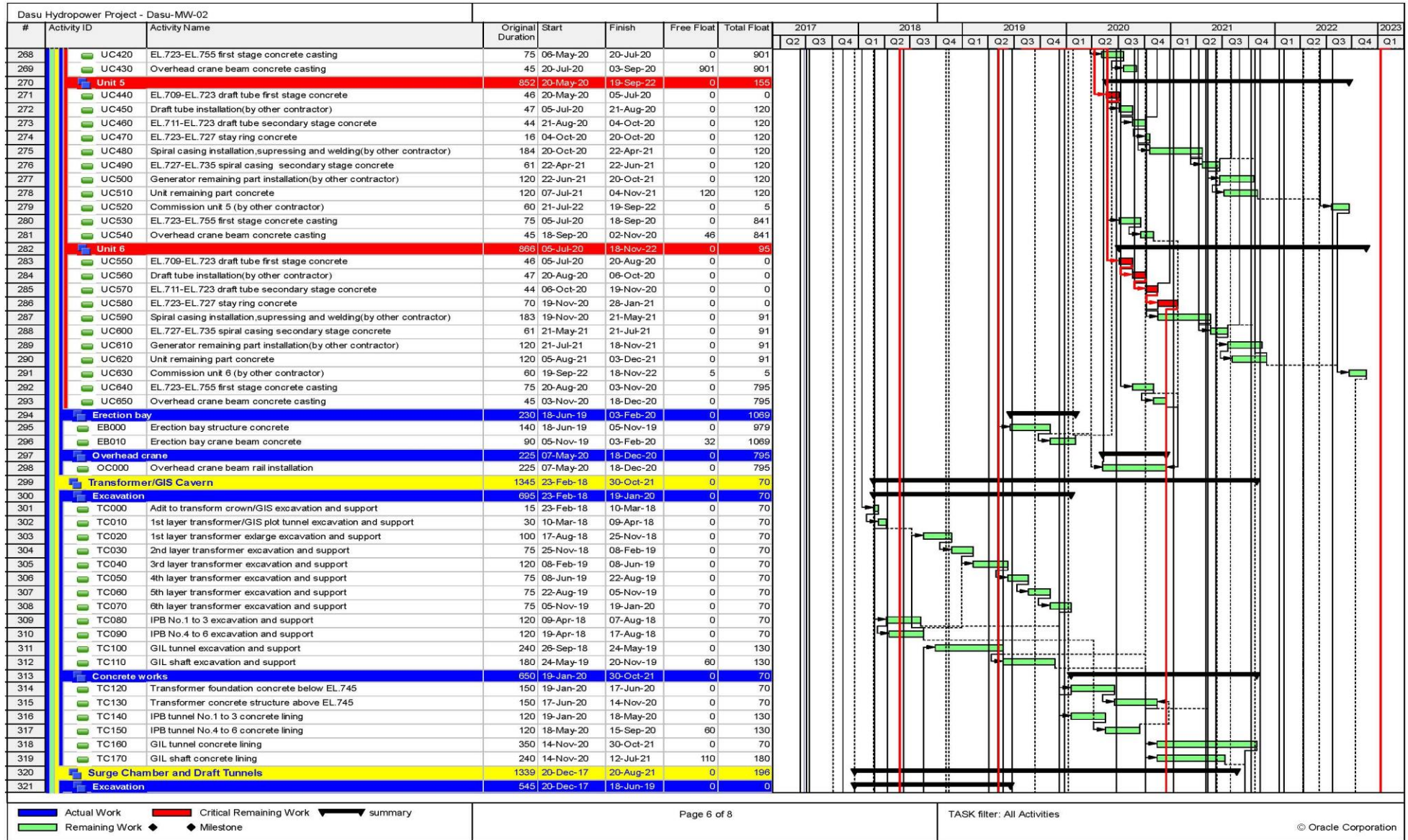


Figure 16 [5/8]



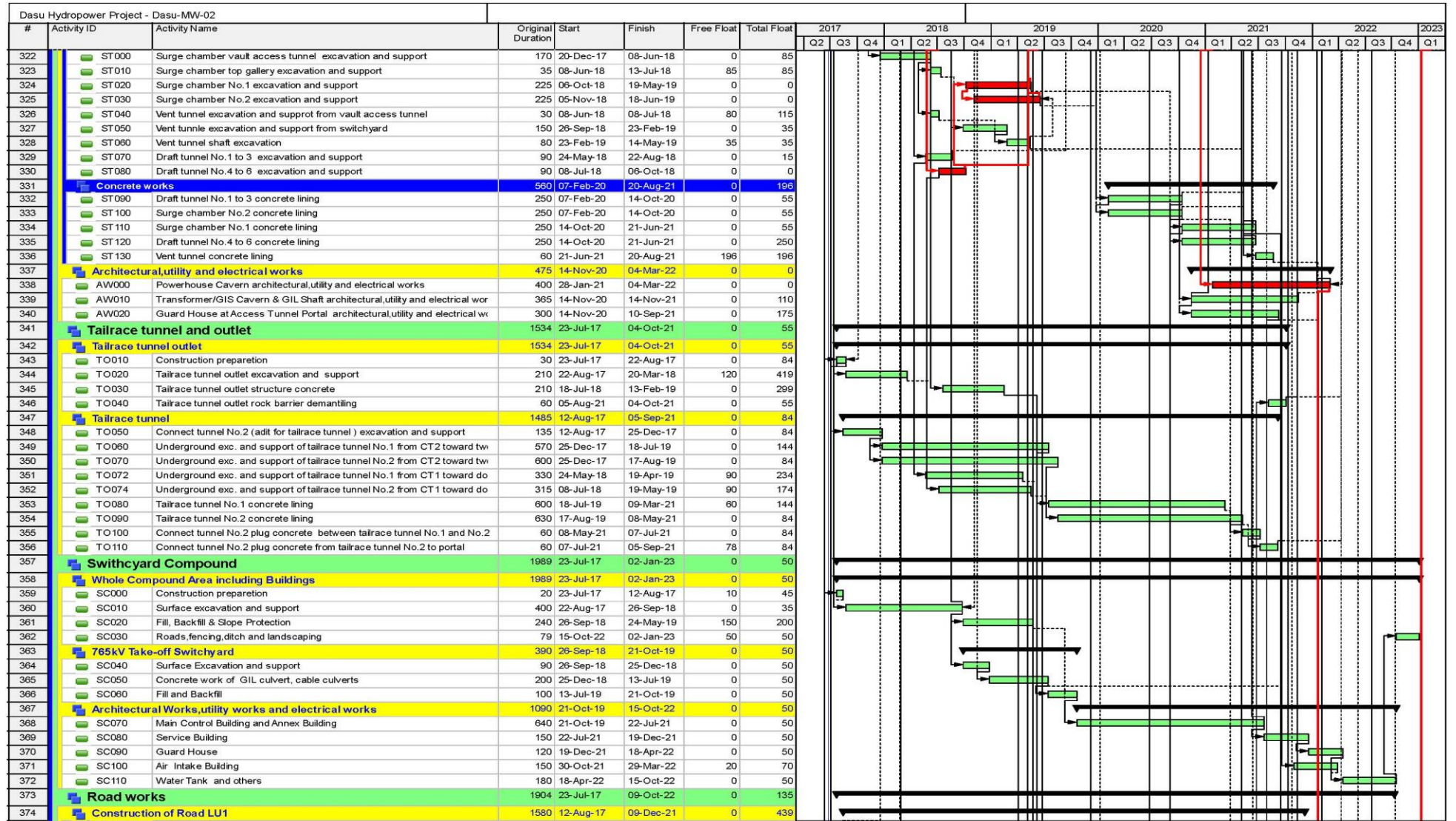
Gantt Chart of Dasu-MW-02 (5 of 8)

Figure 16 [6/8]



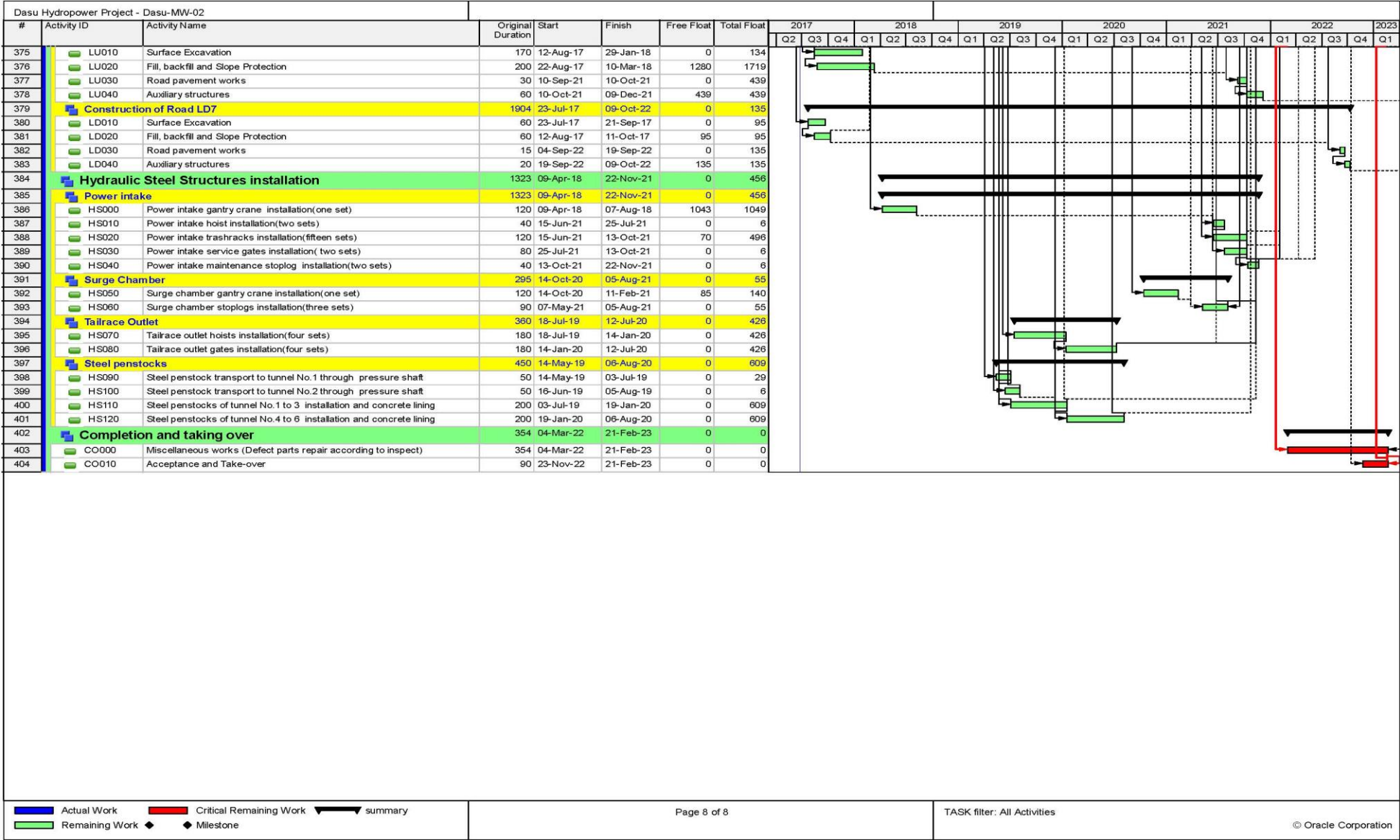
Gantt Chart of Dasu-MW-02 (6 of 8)

Figure 16 [7/8]



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

Figure 16 [8/8]



Actual Work Remaining Work Critical Remaining Work summary Milestone

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

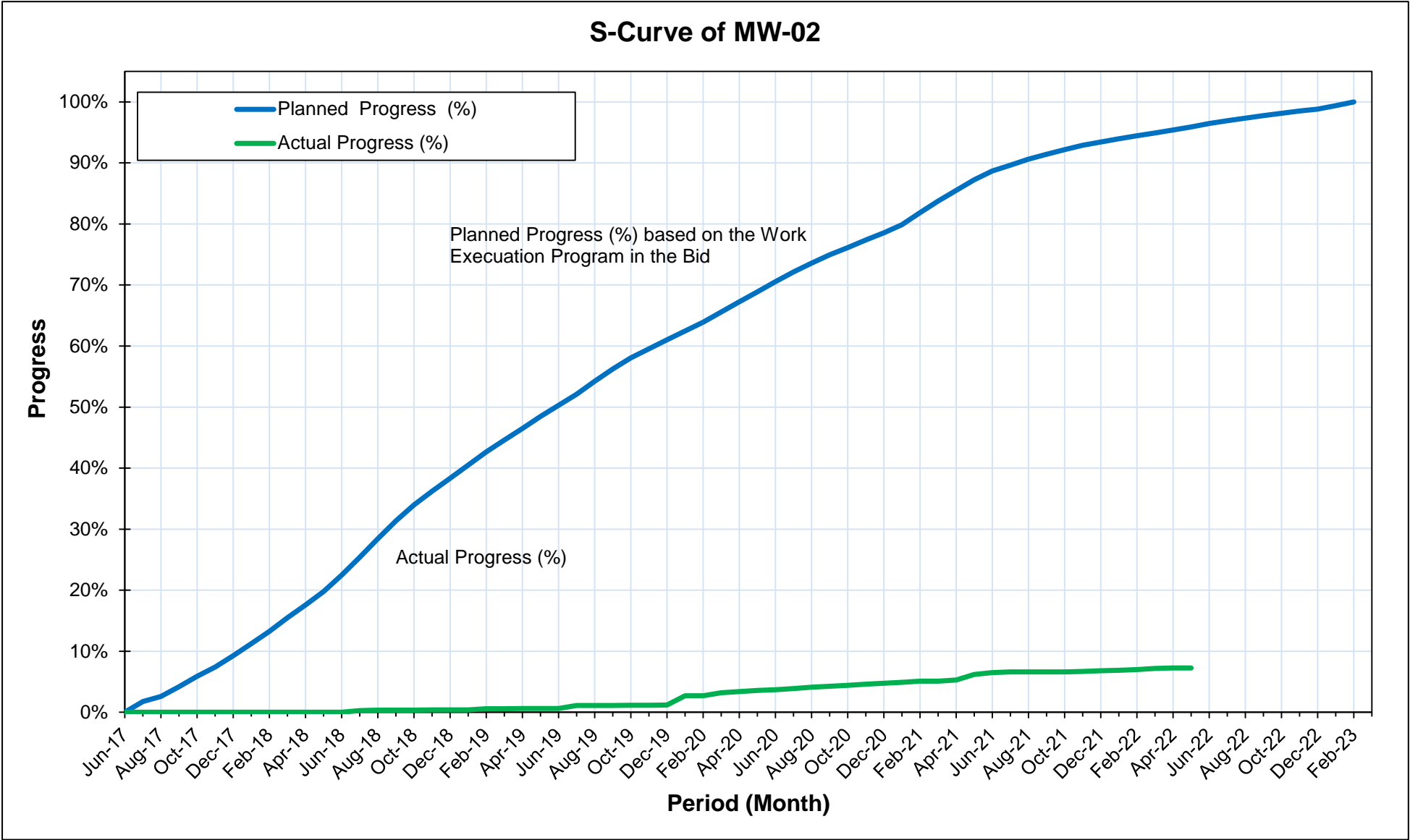


Figure 17: S-Curve for MW-02

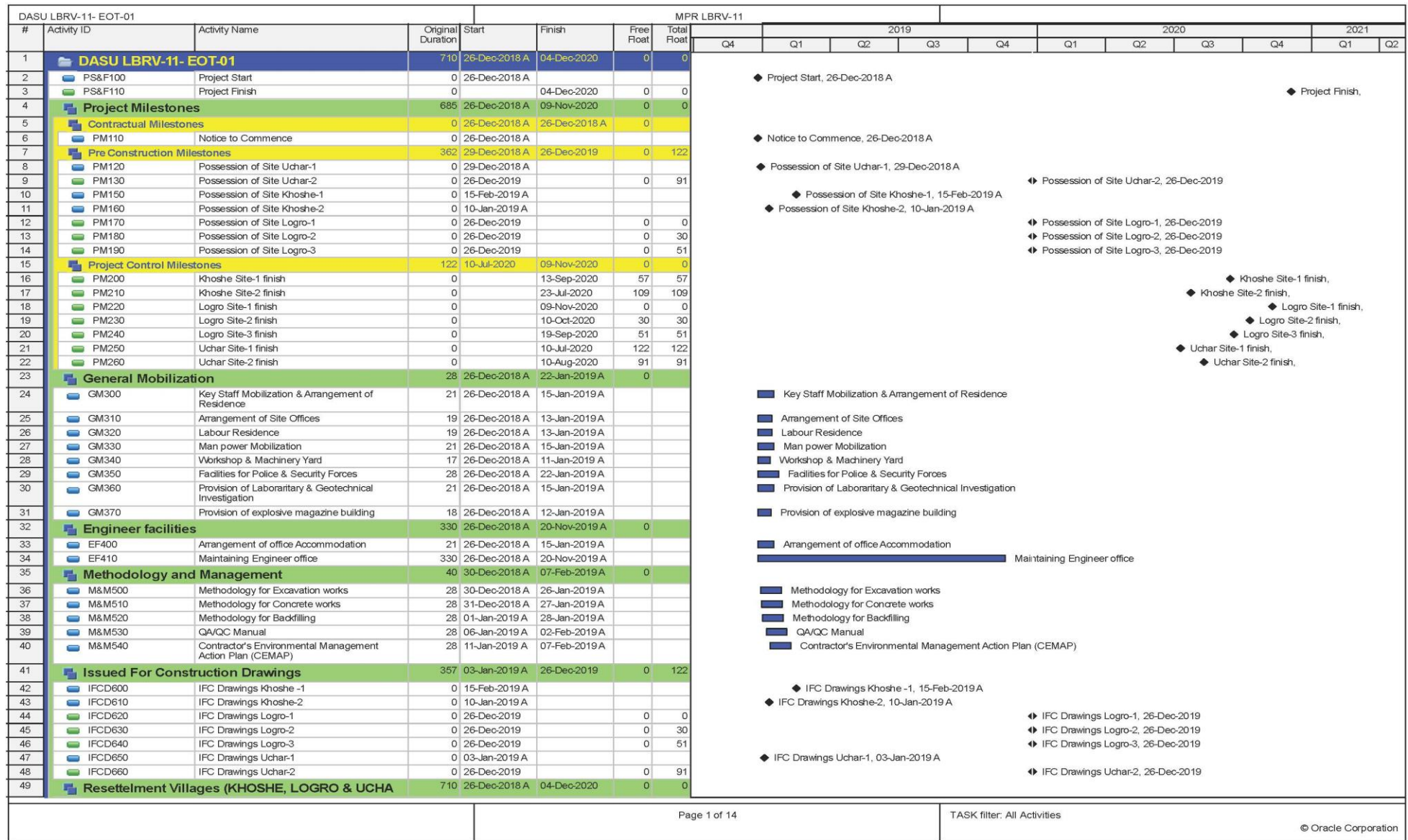
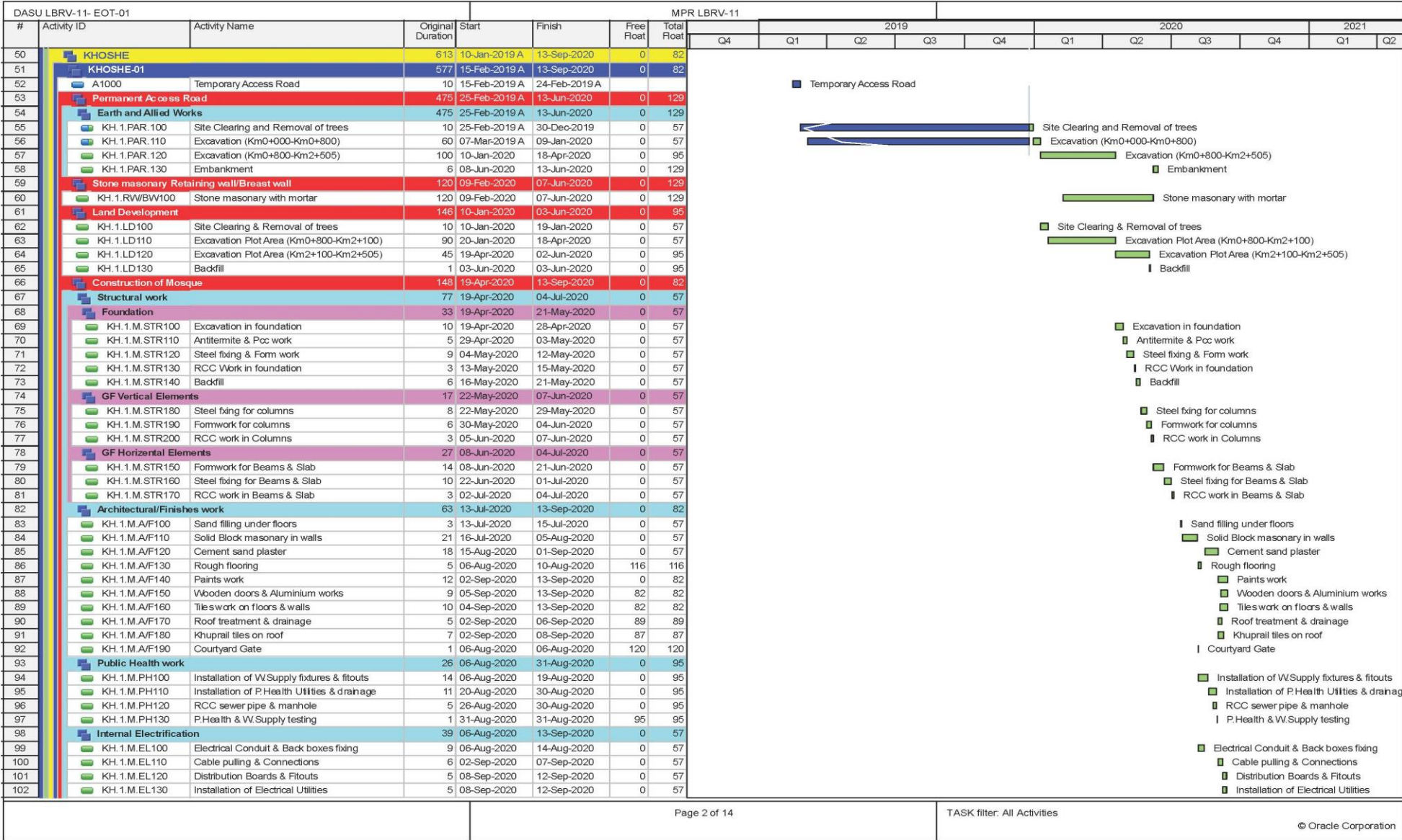


Figure 18: Gantt Chart of Dasu-LBRV-11 (1 of 14)



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

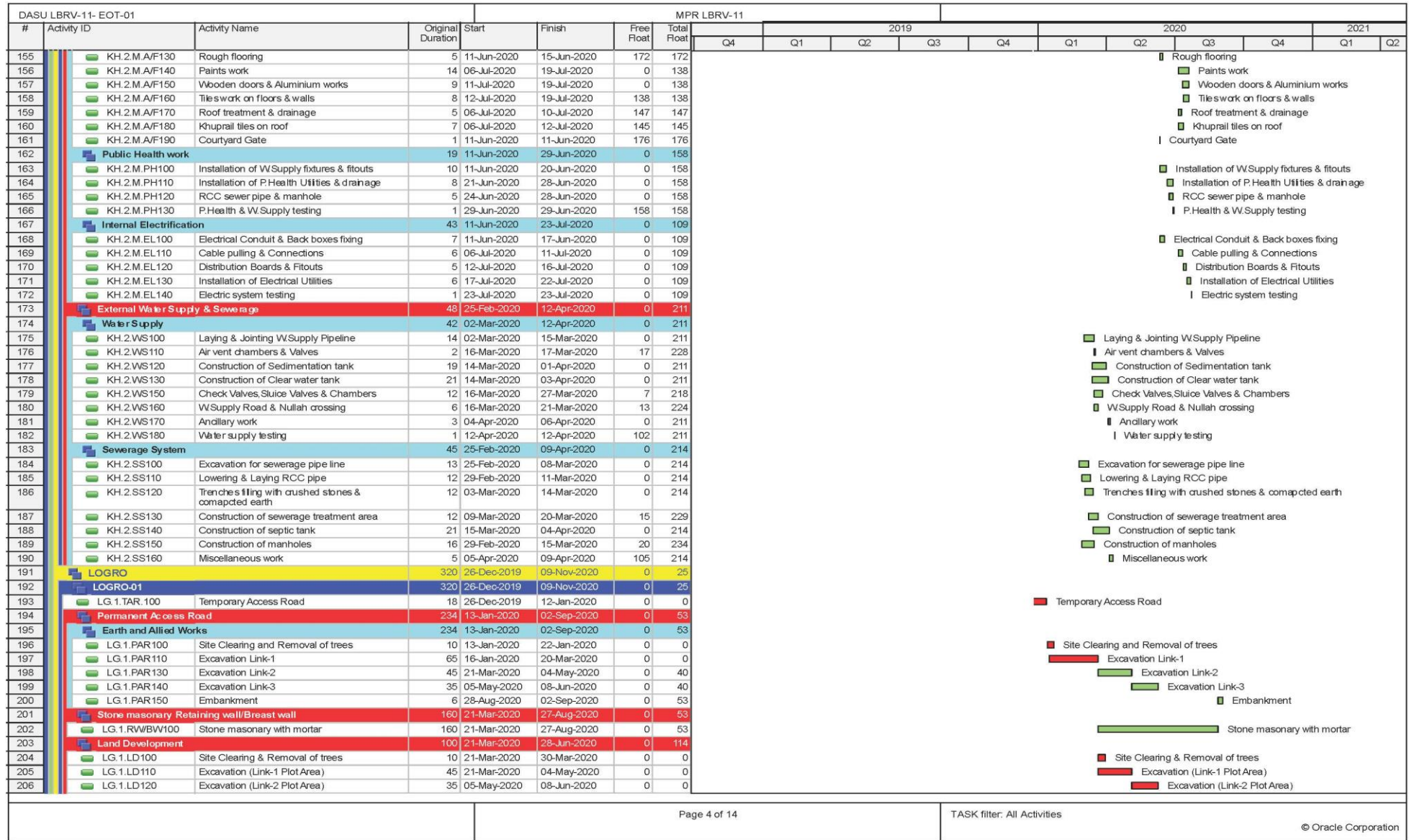
Figure 18 [3/14]



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



**Figure 18 [4/14]**



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

DASU LBRV-11- EOT-01		MPR LBRV-11						2019								2020				2021	
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
207	LG.1.LD130	Excavation (Link-3 Plot Area)	50	05-May-2020	23-Jun-2020	0	40														
208	LG.1.LD140	Backfill	5	24-Jun-2020	28-Jun-2020	61	114														
209	<b>Construction of Mosque</b>		153	05-May-2020	04-Oct-2020	0	61														
210	<b>Structural work</b>		82	05-May-2020	25-Jul-2020	0	40														
211	<b>Foundation</b>		38	05-May-2020	11-Jun-2020	0	40														
212	LG.1.M.STR100	Excavation in foundation	11	05-May-2020	15-May-2020	0	40														
213	LG.1.M.STR110	Antitermite & Pcc work	6	16-May-2020	21-May-2020	0	40														
214	LG.1.M.STR120	Steel fixing & Form work	10	22-May-2020	31-May-2020	0	40														
215	LG.1.M.STR130	RCC Work	5	01-Jun-2020	05-Jun-2020	0	40														
216	LG.1.M.STR140	Backfill	6	06-Jun-2020	11-Jun-2020	0	40														
217	<b>GF Vertical Elements</b>		22	12-Jun-2020	03-Jul-2020	0	40														
218	LG.1.M.STR150	Steel fixing for columns	10	12-Jun-2020	21-Jun-2020	0	40														
219	LG.1.M.STR160	Formwork for columns	7	22-Jun-2020	28-Jun-2020	0	40														
220	LG.1.M.STR170	RCC work in Columns	5	29-Jun-2020	03-Jul-2020	0	40														
221	<b>GF Horizontal Elements</b>		22	04-Jul-2020	25-Jul-2020	0	40														
222	LG.1.M.STR180	Formwork for Beams & Slab	11	04-Jul-2020	14-Jul-2020	0	40														
223	LG.1.M.STR190	Steel fixing for Beams & Slab	8	15-Jul-2020	22-Jul-2020	0	40														
224	LG.1.M.STR200	RCC work in Beams & Slab	3	23-Jul-2020	25-Jul-2020	0	40														
225	<b>Architectural/Finishes work</b>		63	03-Aug-2020	04-Oct-2020	0	61														
226	LG.1.M.A/F100	Sand filling under floors	4	03-Aug-2020	06-Aug-2020	0	40														
227	LG.1.M.A/F110	Solid Block masonry in walls	21	07-Aug-2020	27-Aug-2020	0	40														
228	LG.1.M.A/F120	Cement sand plaster	18	06-Sep-2020	23-Sep-2020	0	40														
229	LG.1.M.A/F130	Rough flooring	4	28-Aug-2020	31-Aug-2020	95	95														
230	LG.1.M.A/F140	Paints work	11	24-Sep-2020	04-Oct-2020	0	61														
231	LG.1.M.A/F150	Wooden doors & Aluminium works	9	26-Sep-2020	04-Oct-2020	0	61														
232	LG.1.M.A/F160	Tiles work on floors & walls	8	27-Sep-2020	04-Oct-2020	61	61														
233	LG.1.M.A/F170	Roof treatment & drainage	5	24-Sep-2020	28-Sep-2020	67	67														
234	LG.1.M.A/F180	Courtyard Gate	1	28-Aug-2020	28-Aug-2020	98	98														
235	LG.1.M.A/F190	Khuprail tiles on roof	5	24-Sep-2020	28-Sep-2020	67	67														
236	<b>Public Health work</b>		22	28-Aug-2020	18-Sep-2020	0	77														
237	LG.1.M.PH100	Installation of WSupply fixtures & fitouts	10	28-Aug-2020	06-Sep-2020	0	77														
238	LG.1.M.PH110	Installation of PHealth Utilities & drainage	11	07-Sep-2020	17-Sep-2020	0	77														
239	LG.1.M.PH120	RCC sewer pipe & manhole	5	13-Sep-2020	17-Sep-2020	0	77														
240	LG.1.M.PH130	P.Health & W.Supply testing	1	18-Sep-2020	18-Sep-2020	77	77														
241	<b>Internal Electrification</b>		34	28-Aug-2020	30-Sep-2020	0	40														
242	LG.1.M.EL100	Electrical Conduit & Back boxes fixing	9	28-Aug-2020	05-Sep-2020	0	40														
243	LG.1.M.EL110	Cable pulling & Connections	6	24-Sep-2020	29-Sep-2020	0	40														
244	LG.1.M.EL120	Distribution Boards & Fitouts	6	24-Sep-2020	29-Sep-2020	0	40														
245	LG.1.M.EL130	Installation of Electrical Utilities	4	26-Sep-2020	29-Sep-2020	0	40														
246	LG.1.M.EL140	Electric system testing	1	30-Sep-2020	30-Sep-2020	40	40														
247	<b>Construction of Primary/Middle School</b>		154	09-Jun-2020	09-Nov-2020	0	25														
248	<b>Structural work</b>		71	09-Jun-2020	18-Aug-2020	0	0														
249	<b>Foundation</b>		27	09-Jun-2020	05-Jul-2020	0	0														
250	LG.1.PS.STR100	Excavation in foundation	10	09-Jun-2020	18-Jun-2020	0	0														
251	LG.1.PS.STR110	Antitermite & Pcc work	5	16-Jun-2020	20-Jun-2020	0	0														
252	LG.1.PS.STR120	Steel fixing & Form work	9	21-Jun-2020	29-Jun-2020	0	0														
253	LG.1.PS.STR130	RCC Work	5	30-Jun-2020	04-Jul-2020	0	0														
254	LG.1.PS.STR140	Backfill	6	30-Jun-2020	05-Jul-2020	0	0														
255	<b>GF Vertical Elements</b>		16	06-Jul-2020	21-Jul-2020	0	0														
256	LG.1.PS.STR150	Steel fixing for columns	10	06-Jul-2020	15-Jul-2020	0	0														
257	LG.1.PS.STR160	Formwork for columns	7	12-Jul-2020	18-Jul-2020	0	0														
258	LG.1.PS.STR170	RCC work in Columns	3	19-Jul-2020	21-Jul-2020	0	0														
259	<b>GF Horizontal Elements</b>		28	22-Jul-2020	18-Aug-2020	0	0														

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

DASU LBRV-11- EOT-01		MPR LBRV-11																	
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
260	LG.1.PS.STR180	Formwork for Beams & Slab	14	22-Jul-2020	04-Aug-2020	0	0												
261	LG.1.PS.STR190	Steel fixing for Beams & Slab	12	05-Aug-2020	16-Aug-2020	0	0												
262	LG.1.PS.STR200	RCC work Beams & Slab	2	17-Aug-2020	18-Aug-2020	0	0												
263		<b>Architectural/Finishes work</b>	70	19-Aug-2020	27-Oct-2020	0	38												
264	LG.1.PS.A/F100	Sand filling under floors	4	19-Aug-2020	22-Aug-2020	0	0												
265	LG.1.PS.A/F110	Block masonry in walls	22	23-Aug-2020	13-Sep-2020	0	0												
266	LG.1.PS.A/F120	Cement sand plaster	20	24-Sep-2020	13-Oct-2020	0	0												
267	LG.1.PS.A/F130	Rough flooring	4	14-Sep-2020	17-Sep-2020	78	78												
268	LG.1.PS.A/F140	Paints work	14	14-Oct-2020	27-Oct-2020	0	38												
269	LG.1.PS.A/F150	Wooden doors & Aluminium works	9	19-Oct-2020	27-Oct-2020	0	38												
270	LG.1.PS.A/F160	Tile work on floors & walls	8	20-Oct-2020	27-Oct-2020	38	38												
271	LG.1.PS.A/F170	Main entrance Gate	2	14-Sep-2020	15-Sep-2020	80	80												
272	LG.1.PS.A/F180	Khupral tiles on roof	6	14-Oct-2020	19-Oct-2020	46	46												
273		<b>Public Health work</b>	19	14-Sep-2020	02-Oct-2020	0	63												
274	LG.1.PS.PH100	Installation of WSupply fixtures & fitouts	10	14-Sep-2020	23-Sep-2020	0	63												
275	LG.1.PS.PH110	Installation of PHealth Utilities & drainage	8	24-Sep-2020	01-Oct-2020	0	63												
276	LG.1.PS.PH120	RCC sewer pipe & manhole	5	27-Sep-2020	01-Oct-2020	0	63												
277	LG.1.PS.PH130	PHealth & WSupply testing	1	02-Oct-2020	02-Oct-2020	63	63												
278		<b>Internal Electrification</b>	57	14-Sep-2020	09-Nov-2020	0	0												
279	LG.1.PS.EL100	Electrical Conduit & Back boxes fixing	10	14-Sep-2020	23-Sep-2020	0	0												
280	LG.1.PS.EL110	Cable pulling & Connections	10	14-Oct-2020	23-Oct-2020	0	0												
281	LG.1.PS.EL120	Distribution Boards & Fitouts	9	24-Oct-2020	01-Nov-2020	0	0												
282	LG.1.PS.EL130	Installation of Electrical Utilities	7	02-Nov-2020	08-Nov-2020	0	0												
283	LG.1.PS.EL140	Electric system testing	1	09-Nov-2020	09-Nov-2020	0	0												
284		<b>External Water Supply &amp; Sewerage</b>	70	09-Jun-2020	17-Aug-2020	0	84												
285		<b>Water Supply</b>	45	09-Jun-2020	23-Jul-2020	0	109												
286	LG.1.WS100	Laying & Jointing WSupply Pipeline	15	09-Jun-2020	23-Jun-2020	0	109												
287	LG.1.WS110	Air vent chambers & Valves	2	24-Jun-2020	25-Jun-2020	22	131												
288	LG.1.WS120	Construction of Sedimentation tank	15	19-Jun-2020	03-Jul-2020	0	109												
289	LG.1.WS130	Construction of Clear water tank	14	04-Jul-2020	17-Jul-2020	0	109												
290	LG.1.WS140	Check Valves, Sluice Valves & Chambers	14	24-Jun-2020	07-Jul-2020	10	119												
291	LG.1.WS150	Ancillary work	5	18-Jul-2020	22-Jul-2020	0	109												
292	LG.1.WS160	Water supply testing	1	23-Jul-2020	23-Jul-2020	109	109												
293		<b>Sewerage System</b>	55	24-Jun-2020	17-Aug-2020	0	84												
294	LG.1.SS100	Excavation for sewerage pipe line	7	24-Jun-2020	30-Jun-2020	0	84												
295	LG.1.SS110	Lowering & Laying RCC pipe	14	01-Jul-2020	14-Jul-2020	0	106												
296	LG.1.SS120	Trenches filling with crushed stones & compacted earth	14	05-Jul-2020	18-Jul-2020	25	109												
297	LG.1.SS130	Construction of sewerage treatment area	27	01-Jul-2020	27-Jul-2020	0	84												
298	LG.1.SS140	Construction of septic tank	16	28-Jul-2020	12-Aug-2020	0	84												
299	LG.1.SS150	Construction of manholes	21	01-Jul-2020	21-Jul-2020	22	106												
300	LG.1.SS160	Miscellaneous work	5	13-Aug-2020	17-Aug-2020	84	84												
301		<b>LOGRO-02</b>	290	26-Dec-2019	10-Oct-2020	0	55												
302		<b>Permanent Access Road</b>	185	26-Dec-2019	27-Jun-2020	0	87												
303		<b>Earth and Allied Works</b>	185	26-Dec-2019	27-Jun-2020	0	87												
304	LG.2.PAR100	Site Clearing and Removal of trees	7	26-Dec-2019	01-Jan-2020	0	30												
305	LG.2.PAR110	Excavation (Km0+000-Km0+270)	55	29-Dec-2019	21-Feb-2020	0	30												
306	LG.2.PAR120	Excavation (Km0+270-Km0+461)	45	22-Feb-2020	06-Apr-2020	0	87												
307	LG.2.PAR130	Embankment	7	21-Jan-2020	27-Jun-2020	0	87												
308		<b>Stone masonry Retaining wall/Breast wall</b>	75	07-Apr-2020	20-Jun-2020	0	87												
309	LG.2.RW/BW110	Stone masonry with mortar	75	07-Apr-2020	20-Jun-2020	0	87												
310		<b>Land Development</b>	117	22-Feb-2020	17-Jun-2020	0	63												
311	LG.2.LD100	Site Clearing & Removal of trees	5	22-Feb-2020	26-Feb-2020	0	30												

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

DASU LBRV-11- EOT-01							MPR LBRV-11											
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021		
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
312	LG.2.LD110	Excavation (Km0+270-Km0+350) Plot Area	70	25-Feb-2020	04-May-2020	0	30								Excavation (Km0+270-Km0+350) Plot Area			
313	LG.2.LD120	Excavation (Km0+350-Km0+461) Plot Area	40	05-May-2020	13-Jun-2020	0	63								Excavation (Km0+350-Km0+461) Plot Area			
314	LG.2.LD130	Backfill	4	14-Jun-2020	17-Jun-2020	0	63								Backfill			
315	Construction of Mosque		159	05-May-2020	10-Oct-2020	0	55											
316	Structural work		73	05-May-2020	16-Jul-2020	0	30											
317	Foundation		35	05-May-2020	08-Jun-2020	0	30											
318	LG.2.M.STR100	Excavation in foundation	10	05-May-2020	14-May-2020	0	30								Excavation in foundation			
319	LG.2.M.STR110	Antitermite & Poc work	5	15-May-2020	19-May-2020	0	30								Antitermite & Poc work			
320	LG.2.M.STR120	Steel fixing & Form work	9	20-May-2020	28-May-2020	0	30								Steel fixing & Form work			
321	LG.2.M.STR130	RCC Work	5	29-May-2020	02-Jun-2020	0	30								RCC Work			
322	LG.2.M.STR140	Backfill	6	03-Jun-2020	08-Jun-2020	0	30								Backfill			
323	GF Vertical Elements		11	09-Jun-2020	19-Jun-2020	0	30											
324	LG.2.M.STR150	Steel fixing for columns	10	09-Jun-2020	18-Jun-2020	0	30								Steel fixing for columns			
325	LG.2.M.STR160	Formwork for columns	7	12-Jun-2020	18-Jun-2020	0	30								Formwork for columns			
326	LG.2.M.STR170	RCC work in Columns	5	15-Jun-2020	19-Jun-2020	0	30								RCC work in Columns			
327	GF Horizontal Elements		19	28-Jun-2020	16-Jul-2020	0	30											
328	LG.2.M.STR180	Formwork for Beams & Slab	9	28-Jun-2020	06-Jul-2020	0	30								Formwork for Beams & Slab			
329	LG.2.M.STR190	Steel fixing for Beams & Slab	8	07-Jul-2020	14-Jul-2020	0	30								Steel fixing for Beams & Slab			
330	LG.2.M.STR200	RCC work in Beams & Slab	2	15-Jul-2020	16-Jul-2020	0	30								RCC work in Beams & Slab			
331	Architectural/Finishes work		66	31-Jul-2020	04-Oct-2020	0	61											
332	LG.2.M.A/F100	Sand filling under floors	3	31-Jul-2020	02-Aug-2020	0	30								Sand filling under floors			
333	LG.2.M.A/F110	Solid Block masonry in walls	21	03-Aug-2020	23-Aug-2020	0	30								Solid Block masonry in walls			
334	LG.2.M.A/F120	Cement sand plaster	18	03-Sep-2020	20-Sep-2020	0	30								Cement sand plaster			
335	LG.2.M.A/F130	Rough flooring	5	24-Aug-2020	28-Aug-2020	98	98								Rough flooring			
336	LG.2.M.A/F140	Paints work	14	21-Sep-2020	04-Oct-2020	0	61								Paints work			
337	LG.2.M.A/F150	Wooden doors & Aluminium works	9	26-Sep-2020	04-Oct-2020	0	61								Wooden doors & Aluminium works			
338	LG.2.M.A/F160	Tile work on floors & walls	7	28-Sep-2020	04-Oct-2020	61	61								Tile work on floors & walls			
339	LG.2.M.A/F170	Roof treatment & drainage	5	21-Sep-2020	25-Sep-2020	70	70								Roof treatment & drainage			
340	LG.2.M.A/F180	Courtyard Gate	1	24-Aug-2020	24-Aug-2020	102	102								Courtyard Gate			
341	LG.2.M.A/F190	Khuprail tiles on roof	7	21-Sep-2020	27-Sep-2020	68	68								Khuprail tiles on roof			
342	Public Health work		19	24-Aug-2020	11-Sep-2020	0	84											
343	LG.2.M.PH100	Installation of WSupply fixtures & fitouts	10	24-Aug-2020	02-Sep-2020	0	84								Installation of WSupply fixtures & fitouts			
344	LG.2.M.PH110	Installation of PHealth Utilities & drainage	8	03-Sep-2020	10-Sep-2020	0	84								Installation of PHealth Utilities & drainage			
345	LG.2.M.PH120	RCC sewer pipe & manhole	5	06-Sep-2020	10-Sep-2020	0	84								RCC sewer pipe & manhole			
346	LG.2.M.PH130	PHealth & W Supply testing	1	11-Sep-2020	11-Sep-2020	84	84								PHealth & W Supply testing			
347	Internal Electrification		48	24-Aug-2020	10-Oct-2020	0	30											
348	LG.2.M.EL100	Electrical Conduit & Back boxes fixing	10	24-Aug-2020	02-Sep-2020	0	30								Electrical Conduit & Back boxes fixing			
349	LG.2.M.EL110	Cable pulling & Connections	8	21-Sep-2020	28-Sep-2020	0	30								Cable pulling & Connections			
350	LG.2.M.EL120	Distribution Boards & Fitouts	6	29-Sep-2020	04-Oct-2020	0	30								Distribution Boards & Fitouts			
351	LG.2.M.EL130	Installation of Electrical Utilities	5	05-Oct-2020	09-Oct-2020	0	30								Installation of Electrical Utilities			
352	LG.2.M.EL140	Electric system testing	1	10-Oct-2020	10-Oct-2020	0	30								Electric system testing			
353	External Water Supply & Sewerage		82	18-Jun-2020	07-Sep-2020	0	63											
354	Water Supply		52	18-Jul-2020	07-Sep-2020	0	63											
355	LG.2.WS100	Laying & Jointing WSupply Pipeline	11	18-Jul-2020	28-Jul-2020	0	63								Laying & Jointing WSupply Pipeline			
356	LG.2.WS110	Air vent chambers & Valves	3	29-Jul-2020	31-Jul-2020	32	95								Air vent chambers & Valves			
357	LG.2.WS120	Construction of Sedimentation tank	10	29-Jul-2020	07-Aug-2020	0	63								Construction of Sedimentation tank			
358	LG.2.WS130	Construction of Clear water tank	10	09-Aug-2020	18-Aug-2020	0	63								Construction of Clear water tank			
359	LG.2.WS140	Check Valves,Sluice Valves & Chambers	8	29-Jul-2020	05-Aug-2020	27	90								Check Valves,Sluice Valves & Chambers			
360	LG.2.WS150	Pressure Break tank	14	19-Aug-2020	01-Sep-2020	0	63								Pressure Break tank			
361	LG.2.WS160	Water Supply Road Crossing	4	29-Jul-2020	01-Aug-2020	31	94								Water Supply Road Crossing			
362	LG.2.WS170	Ancillary work	5	02-Sep-2020	06-Sep-2020	0	63								Ancillary work			
363	LG.2.WS180	Water supply testing	1	07-Sep-2020	07-Sep-2020	33	63								Water supply testing			
364	Sewerage System		52	18-Jun-2020	08-Aug-2020	0	93											

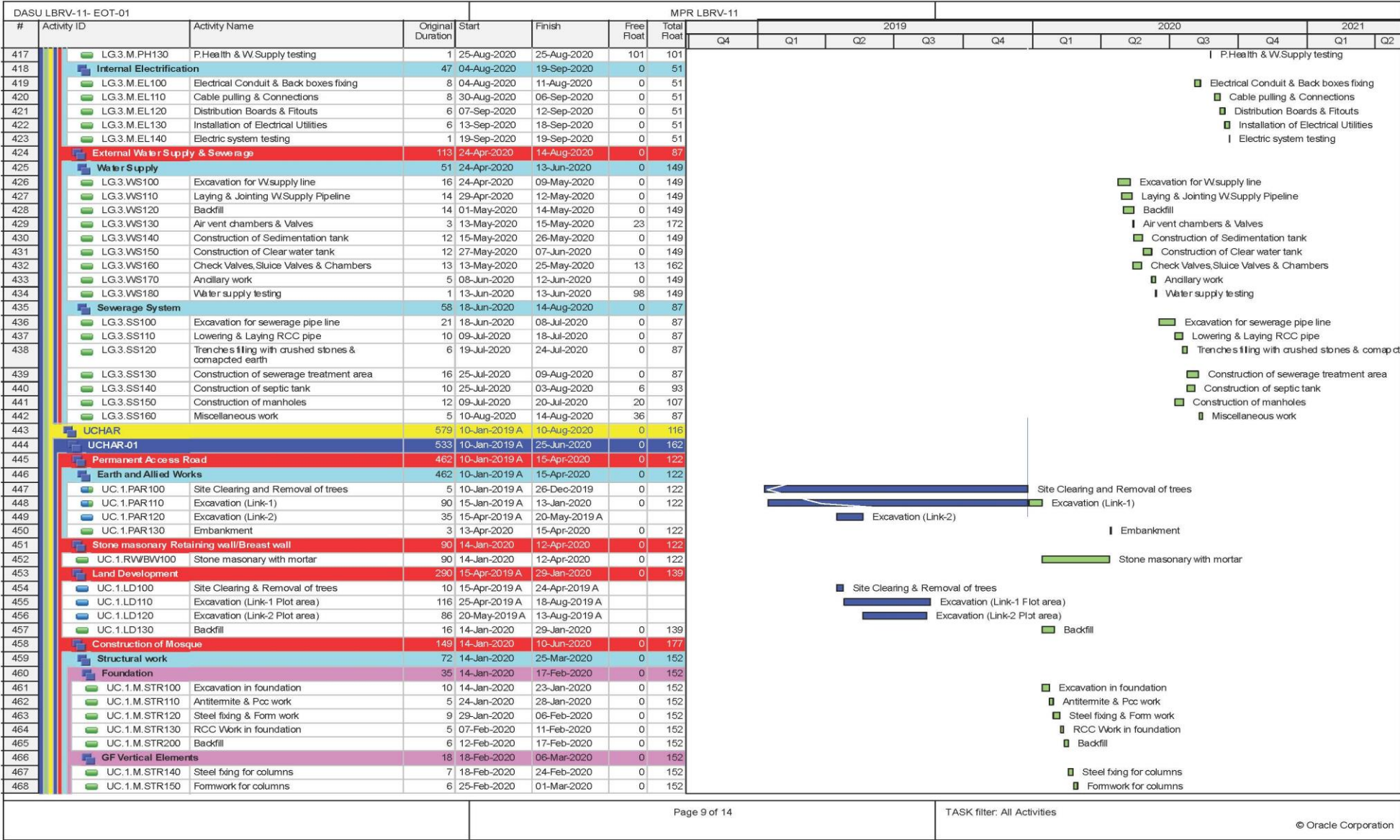
Gantt Chart of Dasu-LBRV-11 (7 of 14)

Dasu Hydropower Project  
 Monthly Progress Report No. 94 (May 2022)

Figure 18 [8/14]

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

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



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

**Figure 18 [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	Q2
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	Tile 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	Tile 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. 94 (May 2022)**

**Figure 18 [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		<b>Public Health work</b>	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		<b>Internal Electrification</b>	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		<b>Construction of Police Post</b>	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		<b>Structural work</b>	86	30-Jan-2020	24-Apr-2020	0	139											
536		<b>Foundation</b>	17	30-Jan-2020	15-Feb-2020	0	139											
537	UC.1.PP.STR100	Excavation in foundation	3	30-Jan-2020	01-Feb-2020	0	139											
538	UC.1.PP.STR110	Antitermite & Pcc work	2	02-Feb-2020	03-Feb-2020	0	139											
539	UC.1.PP.STR120	Steel fixing & Form work	6	04-Feb-2020	09-Feb-2020	0	139											
540	UC.1.PP.STR130	RCC Work	1	10-Feb-2020	10-Feb-2020	0	139											
541	UC.1.PP.STR140	Backfill	5	11-Feb-2020	15-Feb-2020	0	139											
542		<b>GF Vertical Elements</b>	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		<b>GF Horizontal Elements</b>	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		<b>FF Vertical Elements</b>	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		<b>FF Horizontal Elements</b>	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		<b>Architectural/Finishes work</b>	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		<b>Public Health work</b>	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		<b>Internal Electrification</b>	36	19-May-2020	23-Jun-2020	0	139											
572	UC.1.PP.EL.100	Electrical Conduit & Back boxes fixing	10	19-May-2020	28-May-2020	0	139											
573	UC.1.PP.EL.110	Cable pulling & Connections	7	10-Jun-2020	16-Jun-2020	0	139											
574	UC.1.PP.EL.120	Distribution Boards & Fitouts	6	17-Jun-2020	22-Jun-2020	0	139											

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



Figure 18 [12/14]

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	
575	UC.1.PP.EL130	Installation of Electrical Utilities	5	18-Jun-2020	22-Jun-2020	0	139												
576	UC.1.PP.EL140	Electric system testing	1	23-Jun-2020	23-Jun-2020	17	139												
577	External Water Supply & Sewerage		72	30-Jan-2020	10-Apr-2020	0	238												
578	Water Supply		48	30-Jan-2020	17-Mar-2020	0	262												
579	UC.1.WS100	Excavation for Wsupply line	12	30-Jan-2020	10-Feb-2020	0	237												
580	UC.1.WS110	Laying & Jointing WSupply Pipeline	16	05-Feb-2020	20-Feb-2020	0	237												
581	UC.1.WS120	Backfill	17	09-Feb-2020	25-Feb-2020	283	283												
582	UC.1.WS130	Air vent chambers & Valves	3	05-Feb-2020	07-Feb-2020	33	270												
583	UC.1.WS140	Check Valves,Sluice Valves & Chambers	14	05-Feb-2020	18-Feb-2020	22	259												
584	UC.1.WS150	Construction of Sedimentation tank	12	05-Feb-2020	16-Feb-2020	0	237												
585	UC.1.WS160	Construction of Clear water tank	12	17-Feb-2020	28-Feb-2020	0	237												
586	UC.1.WS170	Pressure Break tank	12	29-Feb-2020	11-Mar-2020	0	237												
587	UC.1.WS180	Road & Nullah crossing	6	11-Feb-2020	16-Feb-2020	24	261												
588	UC.1.WS190	Ancillary work	5	12-Mar-2020	16-Mar-2020	0	237												
589	UC.1.WS200	Water supply testing	1	17-Mar-2020	17-Mar-2020	115	237												
590	Sewerage System		47	24-Feb-2020	10-Apr-2020	0	238												
591	UC.1.SS100	Excavation for sewerage pipe line	21	24-Feb-2020	15-Mar-2020	0	213												
592	UC.1.SS110	Lowering & Laying RCC pipe	12	07-Mar-2020	18-Mar-2020	0	213												
593	UC.1.SS120	Trenches filling with crushed stones & compacted earth	12	11-Mar-2020	22-Mar-2020	0	213												
594	UC.1.SS130	Construction of sewerage treatment area	17	16-Mar-2020	01-Apr-2020	247	247												
595	UC.1.SS140	Construction of septic tank	14	23-Mar-2020	05-Apr-2020	0	213												
596	UC.1.SS150	Construction of manholes	13	07-Mar-2020	19-Mar-2020	17	230												
597	UC.1.SS160	Miscellaneous work	5	06-Apr-2020	10-Apr-2020	91	213												
598	UCHAR-02		229	26-Dec-2019	10-Aug-2020	0	116												
599	Permanent Access Road		99	26-Dec-2019	02-Apr-2020	0	96												
600	Earth and Allied Works		99	26-Dec-2019	02-Apr-2020	0	96												
601	UC.2.PAR100	Site Clearing and Removal of trees	5	26-Dec-2019	30-Dec-2019	0	91												
602	UC.2.PAR110	Excavation	40	29-Dec-2019	06-Feb-2020	0	91												
603	UC.2.PAR120	Embankment	6	28-Mar-2020	02-Apr-2020	0	96												
604	Stone masonry Retaining wall/Breast wall		50	07-Feb-2020	27-Mar-2020	0	96												
605	UC.2.RV/BW100	Stone masonry with mortar	50	07-Feb-2020	27-Mar-2020	0	96												
606	Land Development		36	07-Feb-2020	13-Mar-2020	0	91												
607	UC.2.LD100	Site Clearing & Removal of trees	5	07-Feb-2020	11-Feb-2020	0	91												
608	UC.2.LD110	Excavation	30	10-Feb-2020	10-Mar-2020	0	91												
609	UC.2.LD120	Backfill	3	11-Mar-2020	13-Mar-2020	0	91												
610	Construction of Mosque		150	14-Mar-2020	10-Aug-2020	0	116												
611	Structural work		72	14-Mar-2020	24-May-2020	0	91												
612	Foundation		35	14-Mar-2020	17-Apr-2020	0	91												
613	UC.2.M.STR100	Excavation in foundation	10	14-Mar-2020	23-Mar-2020	0	91												
614	UC.2.M.STR110	Antitermite & Pcc work	5	24-Mar-2020	28-Mar-2020	0	91												
615	UC.2.M.STR120	Steel fixing & Form work	9	29-Mar-2020	06-Apr-2020	0	91												
616	UC.2.M.STR130	RCC Work in foundation	5	07-Apr-2020	11-Apr-2020	0	91												
617	UC.2.M.STR200	Backfill	6	12-Apr-2020	17-Apr-2020	0	91												
618	GF Vertical Elements		18	18-Apr-2020	05-May-2020	0	91												
619	UC.2.M.STR140	Steel fixing for columns	7	18-Apr-2020	24-Apr-2020	0	91												
620	UC.2.M.STR150	Formwork for columns	6	25-Apr-2020	30-Apr-2020	0	91												
621	UC.2.M.STR160	RCC work in Columns	5	01-May-2020	05-May-2020	0	91												
622	GF Horizontal Elements		19	06-May-2020	24-May-2020	0	91												
623	UC.2.M.STR170	Formwork for Beams & Slab	9	06-May-2020	14-May-2020	0	91												
624	UC.2.M.STR180	Steel fixing for Beams & Slab	7	15-May-2020	21-May-2020	0	91												
625	UC.2.M.STR190	RCC work in Beams & Columns	3	22-May-2020	24-May-2020	0	91												
626	Architectural/Finishes work		64	04-Jun-2020	06-Aug-2020	0	120												

- 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
- Pressure Break tank
- Road & Nullah crossing
- Ancillary work
- Water supply testing
- Excavation for sewerage pipe line
- Lowering & Laying RCC pipe
- Trenches filling with crushed stones & compacted earth
- Construction of sewerage treatment area
- Construction of septic tank
- Construction of manholes
- Miscellaneous work
- Site Clearing and Removal of trees
- Excavation
- Embankment
- Stone masonry with mortar
- Site Clearing & Removal of trees
- Excavation
- 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 & Columns

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

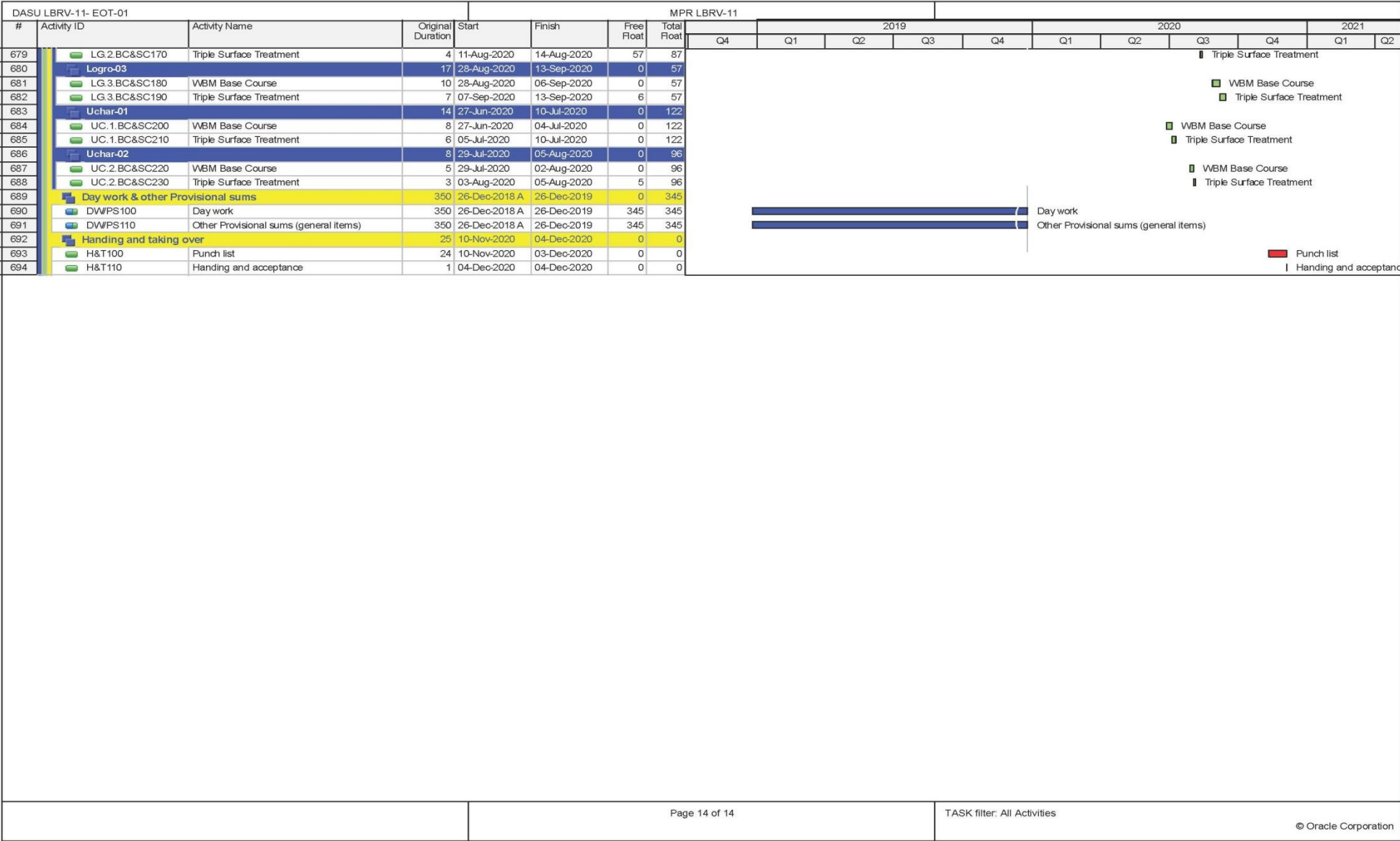
**Figure 18 [13/14]**

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	PHealth & WSupply 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
- PHealth & WSupply testing
- Electrical Conduit & Back boxes fixing
- Cable pulling & Connections
- Distribution Boards & Fitouts
- Installation of Electrical Utilities
- Electric system testing
- Excavation for Wsupply line
- Laying & Jointing WSupply Pipeline
- Backfill
- Air vent chambers & Valves
- Check Valves, Sluice Valves & Chambers
- Construction of Sedimentation tank
- Construction of Clear water tank
- Ancillary work
- Water supply testing
- Excavation for sewerage pipe line
- Lowering & Laying RCC pipe
- Trenches filling with crushed stones & compacted earth
- Construction of sewerage treatment area
- Construction of septic tank
- Construction of manholes
- Miscellaneous work
- WBM Base Course
- Triple Surface Treatment
- WBM Base Course
- Triple Surface Treatment
- WBM Base Course
- Triple Surface Treatment
- WBM Base Course

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

**Figure 18 [14/14]**



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

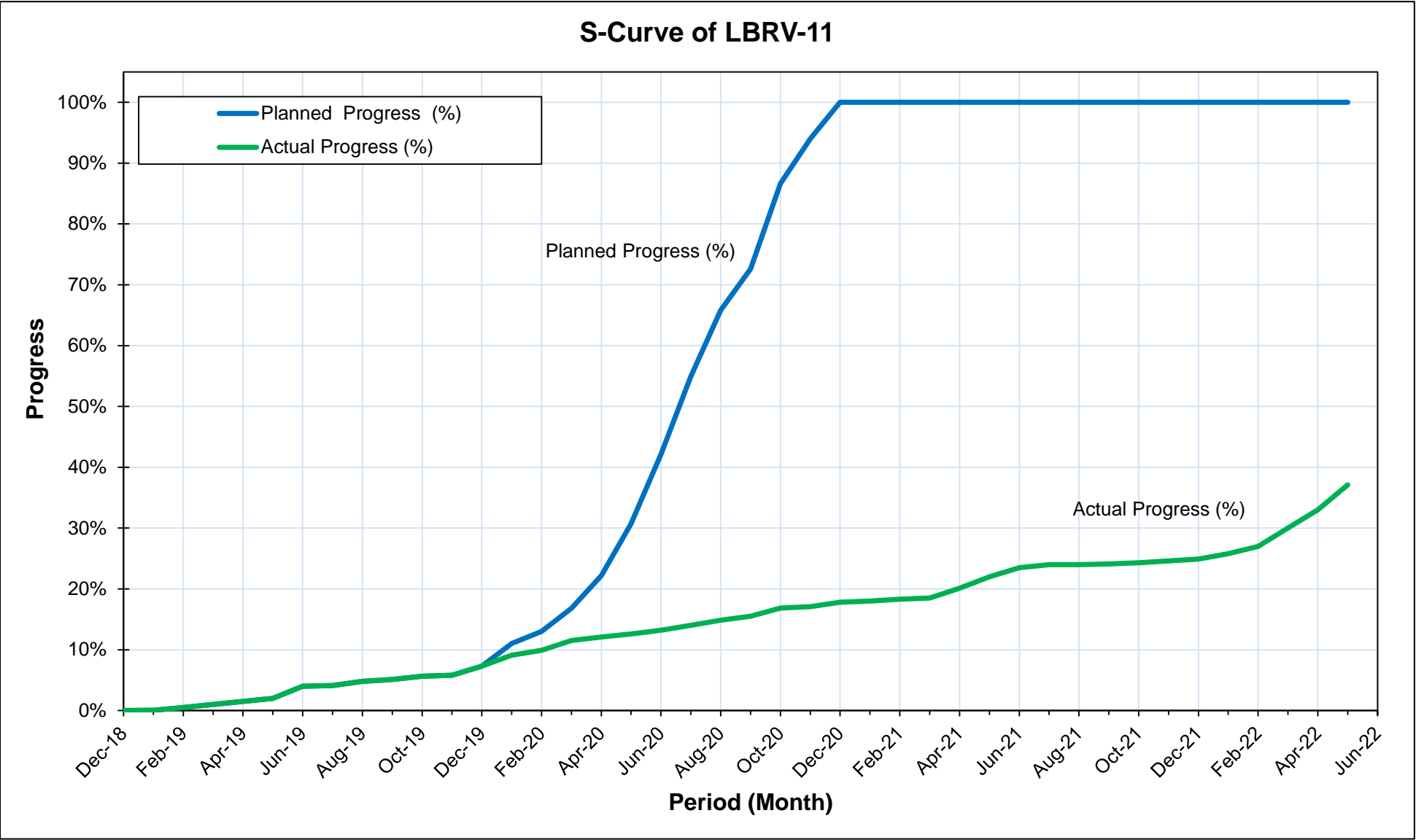


Figure 19: S-Curve for LBRV-11

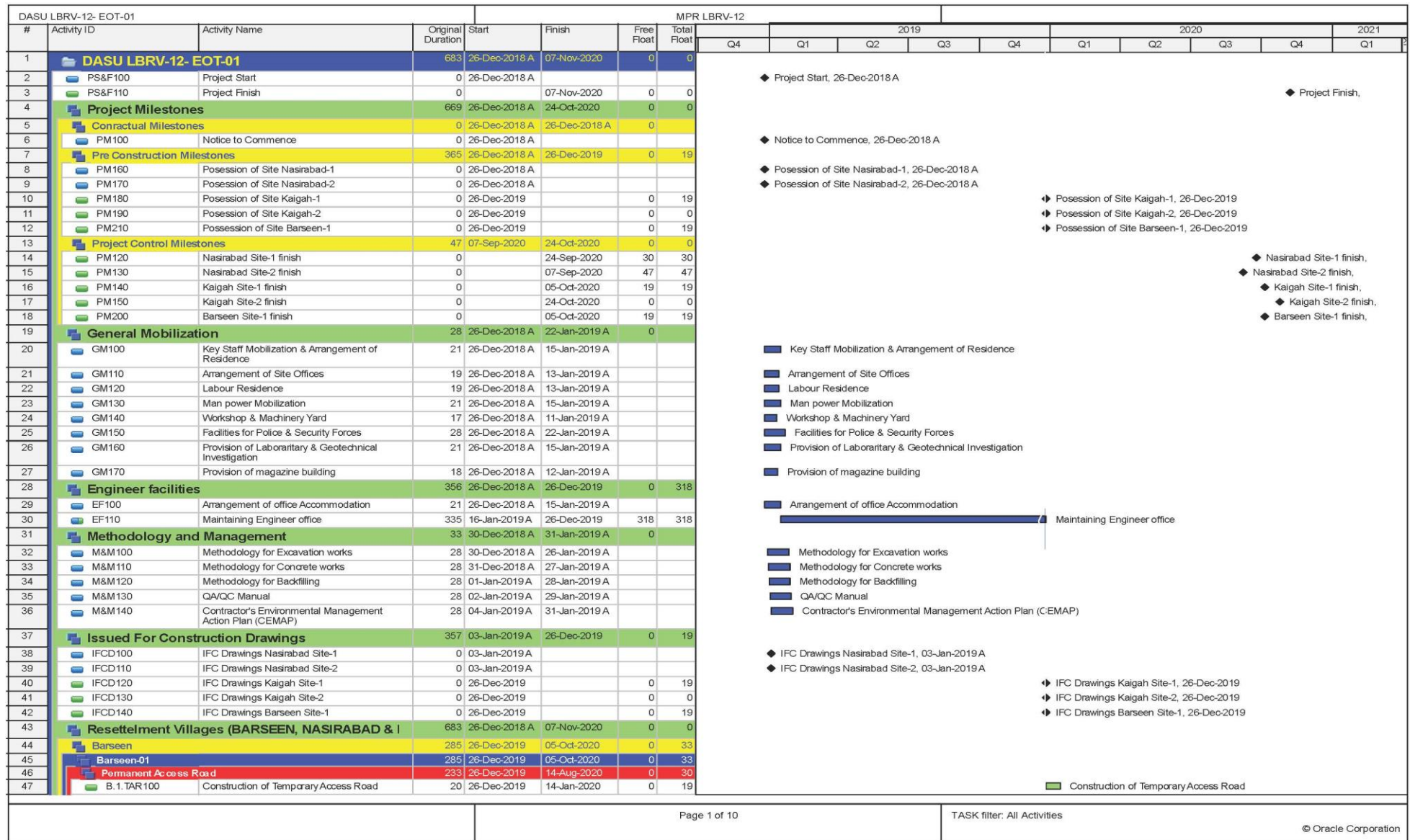
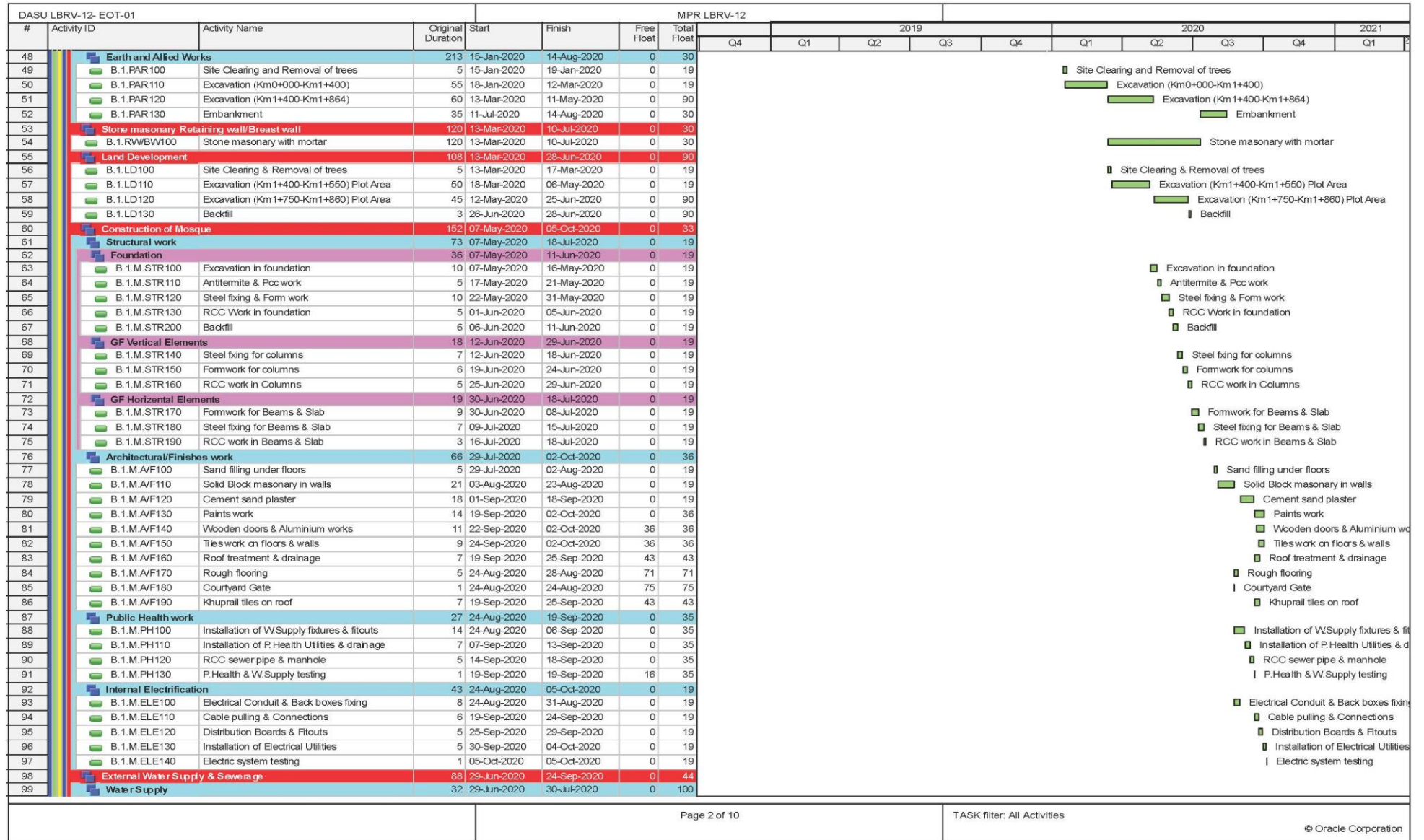


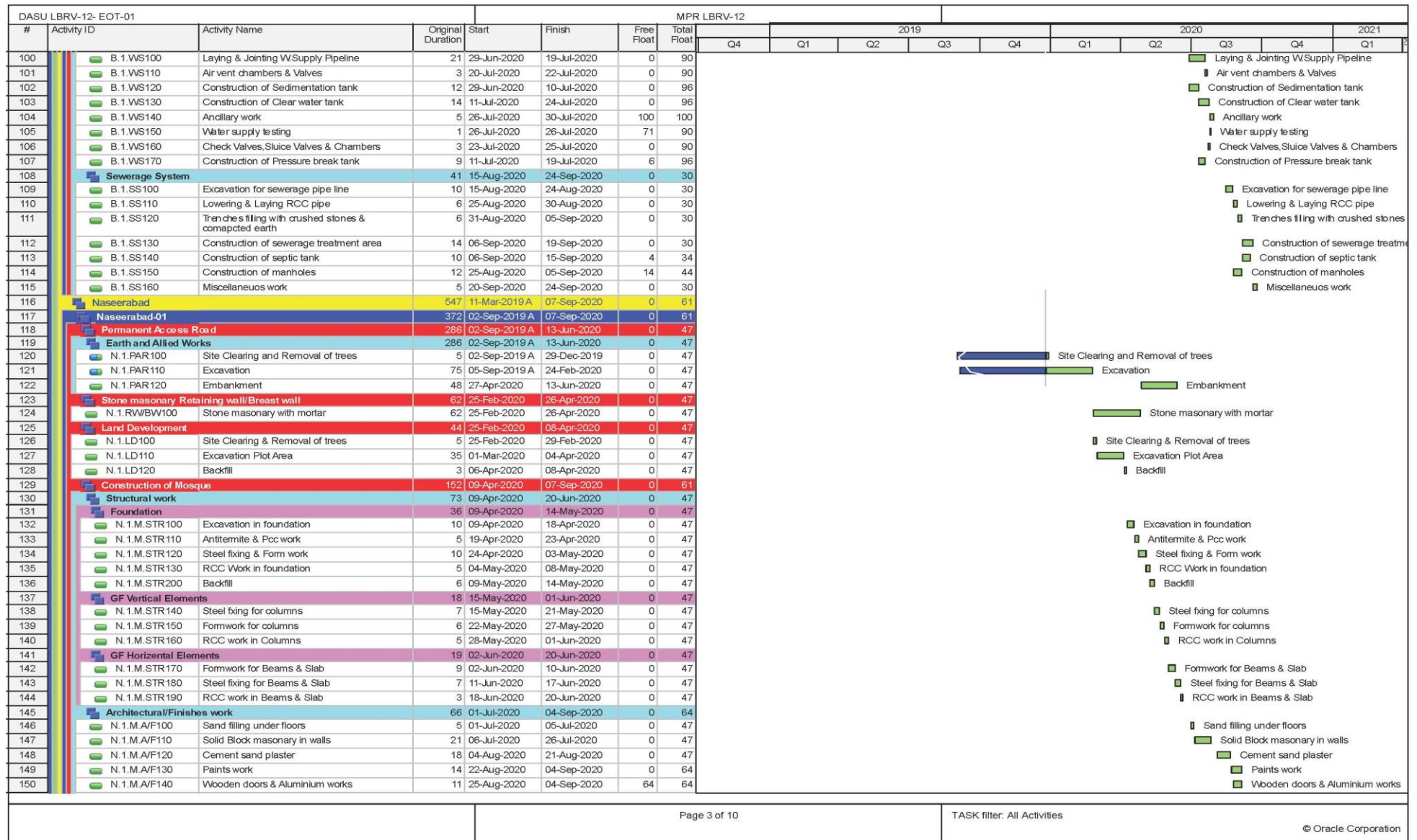
Figure 20: Gantt Chart of Dasu-LBRV-12 (1 of 10)



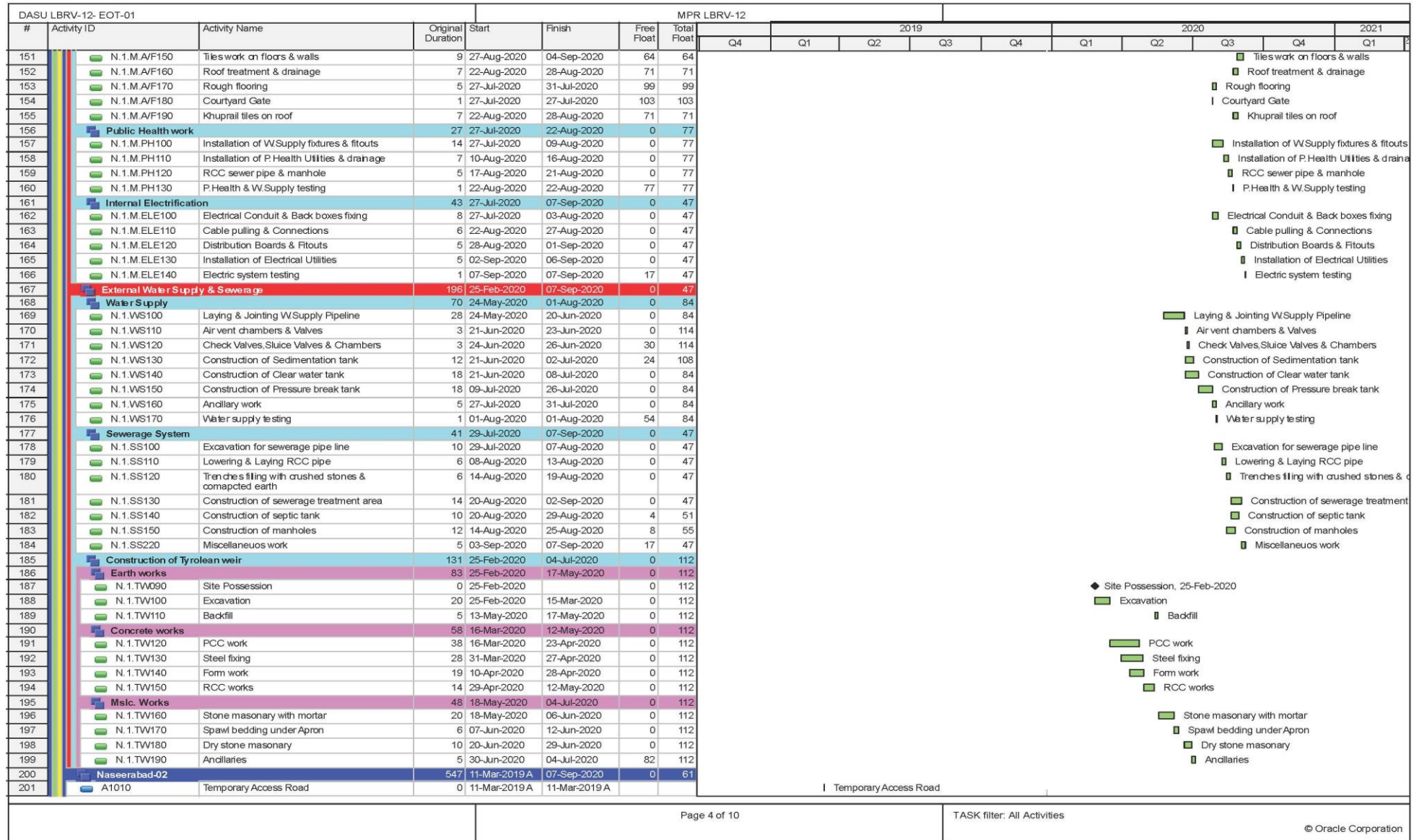
Gantt Chart of Dasu-LBRV-12 (2 of 10)

**Dasu Hydropower Project**  
**Monthly Progress Report No. 94 (May 2022)**

**Figure 20 [3/10]**



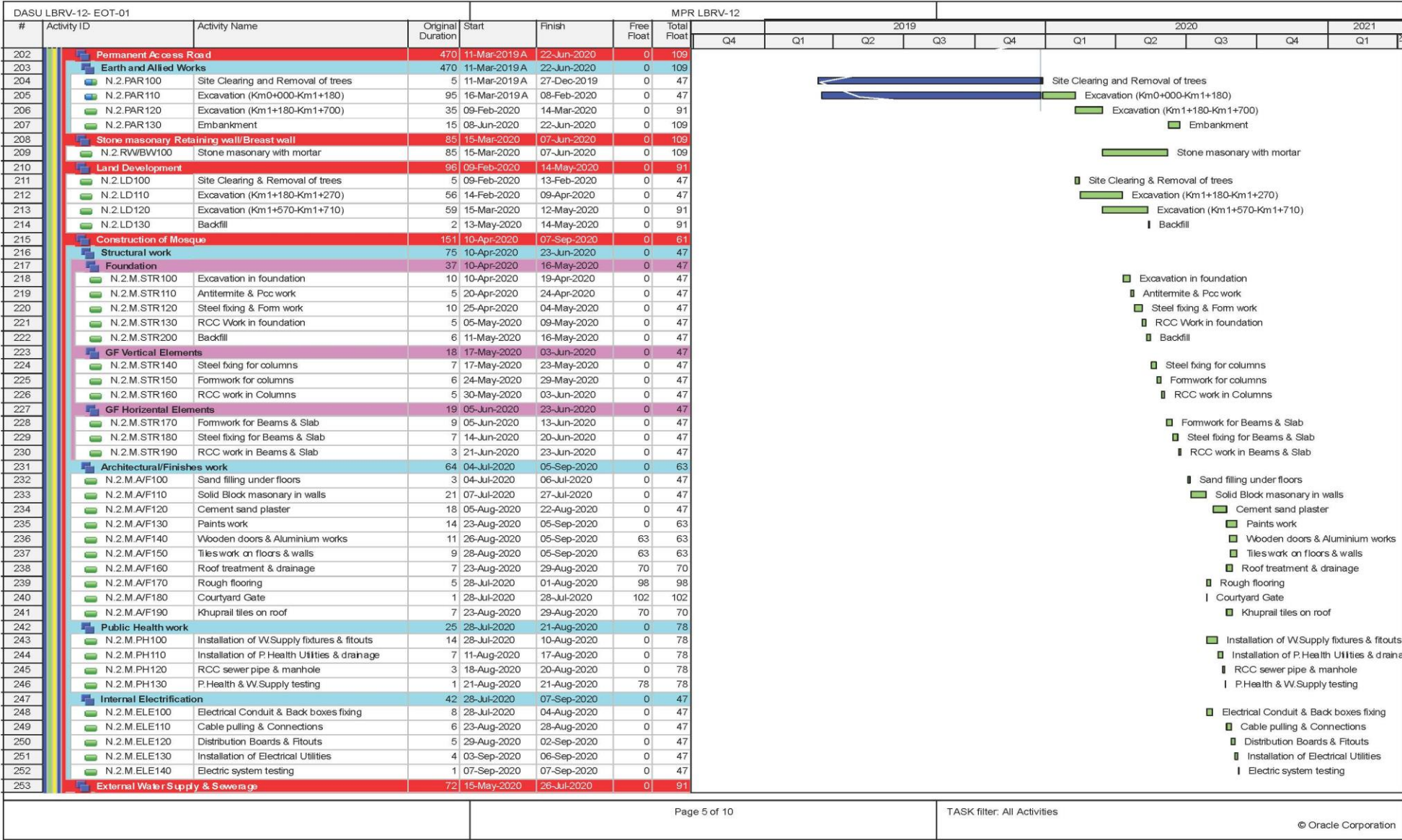
**Gantt Chart of Dasu-LBRV-12 (3 of 10)**



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



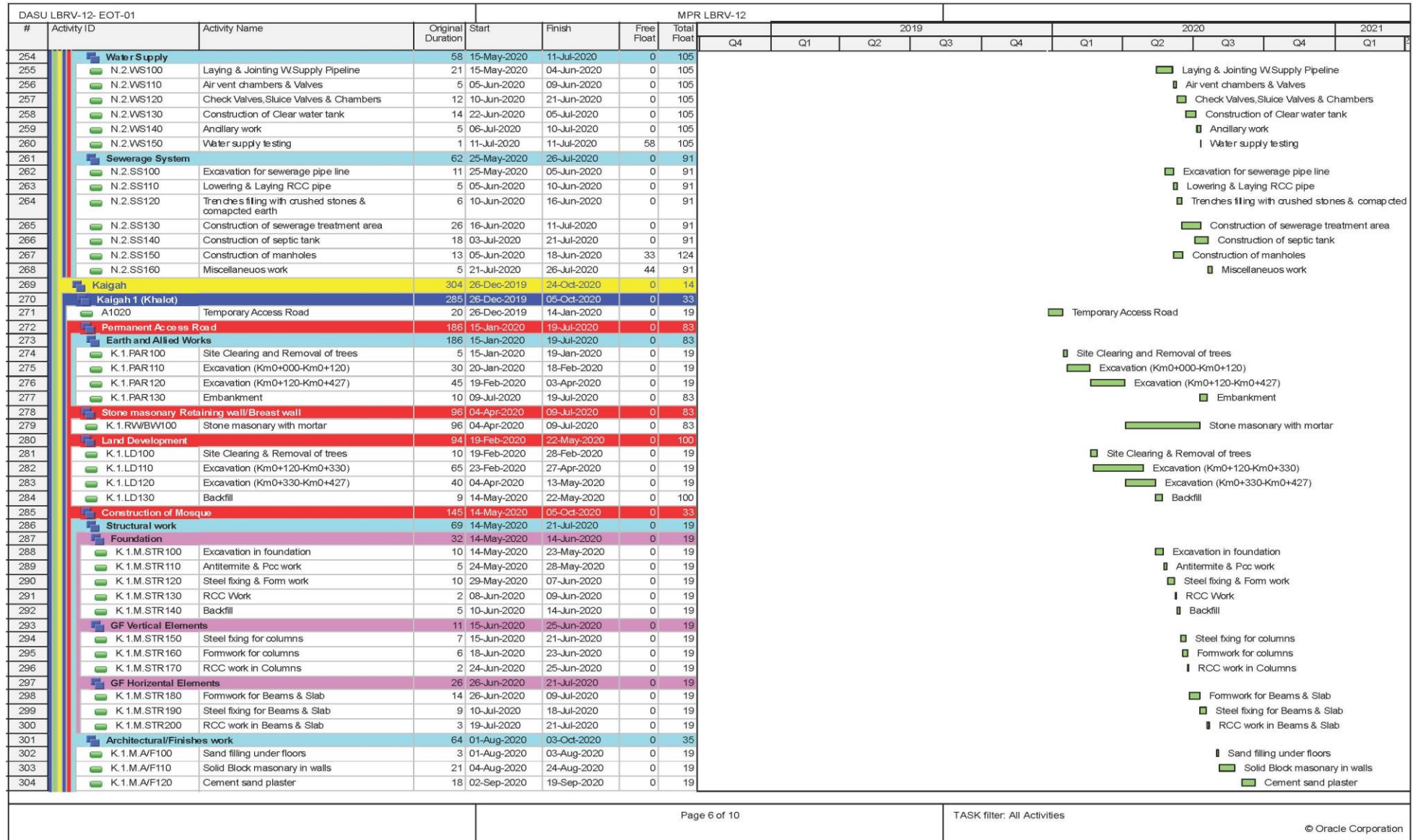
Figure 20 [5/10]



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

**Dasu Hydropower Project**  
**Monthly Progress Report No. 94 (May 2022)**

**Figure 20 [6/10]**

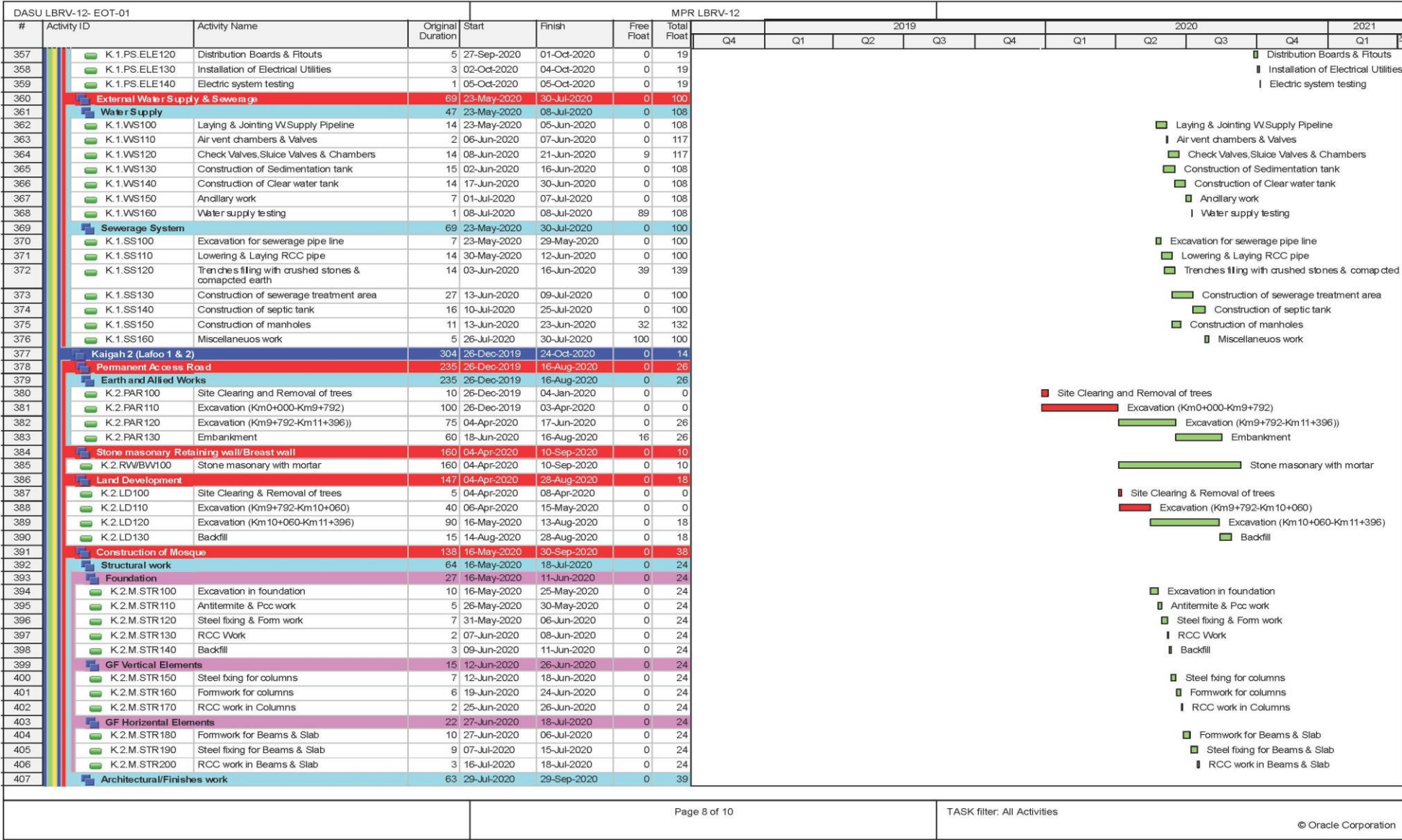


**Gantt Chart of Dasu-LBRV-12 (6 of 10)**

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	
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>		161	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

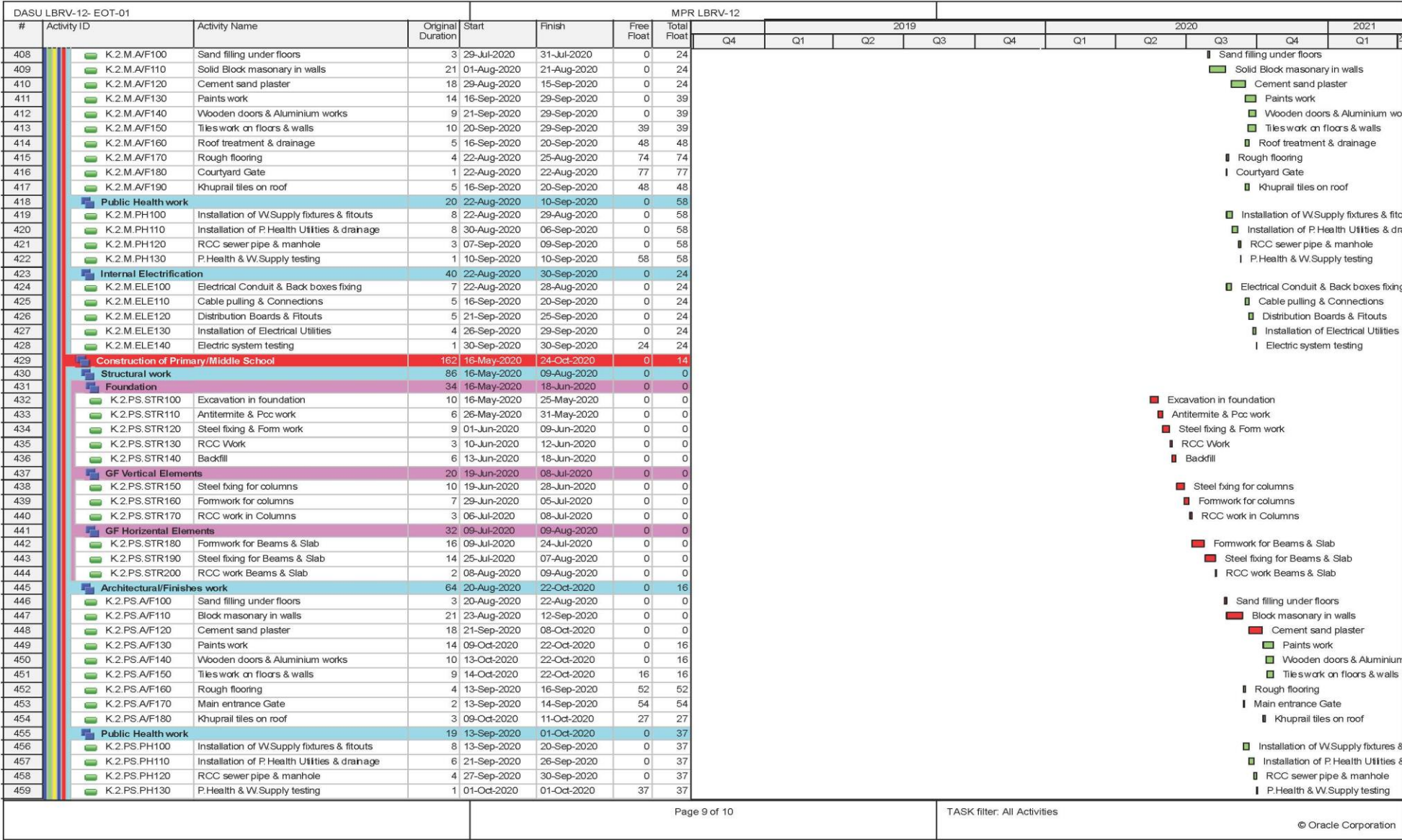
Gantt Chart of Dasu-LBRV-12 (7 of 10)

Figure 20 [8/10]



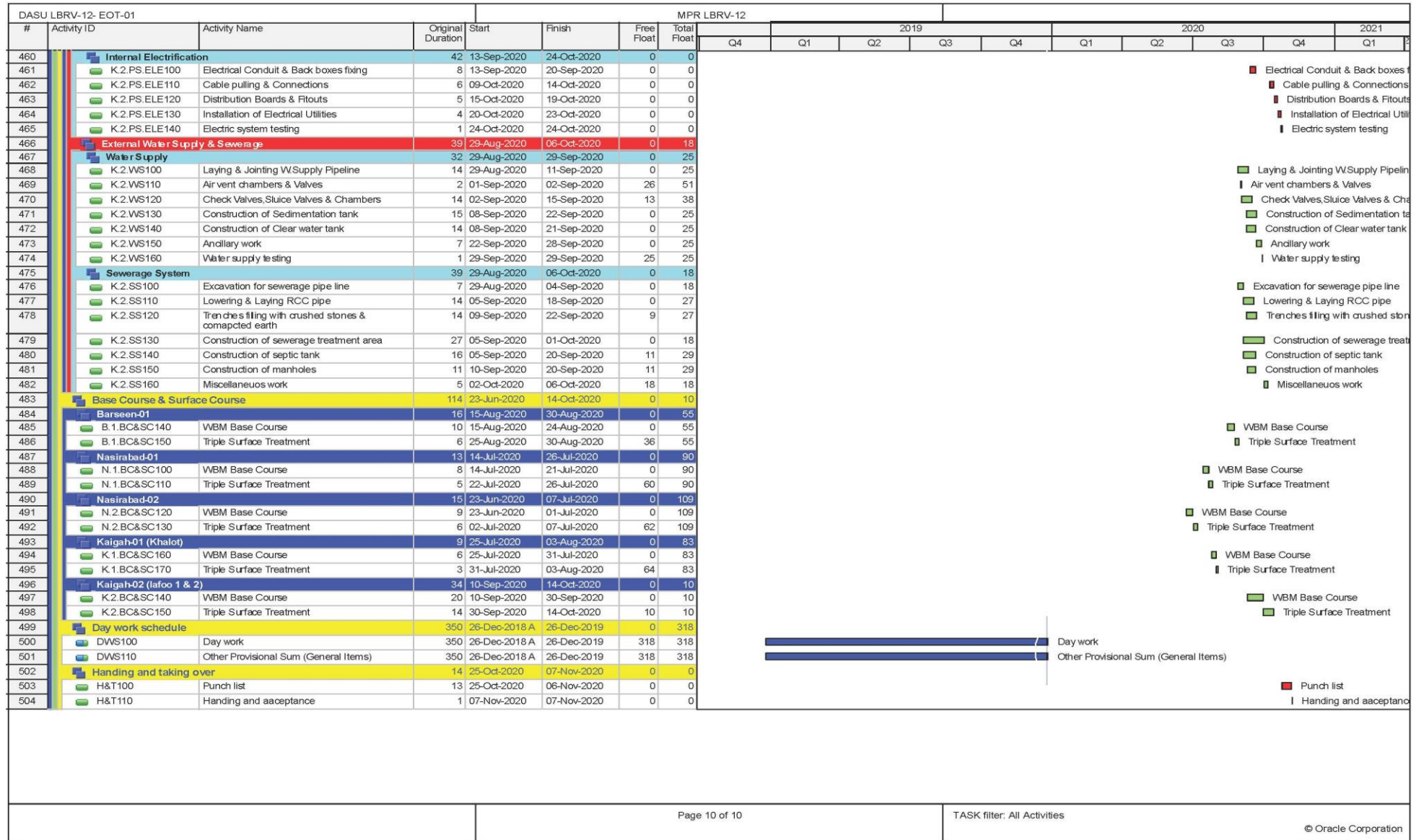
Gantt Chart of Dasu-LBRV-12 (8 of 10)

Figure 20 [9/10]



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

Figure 20 [10/10]



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

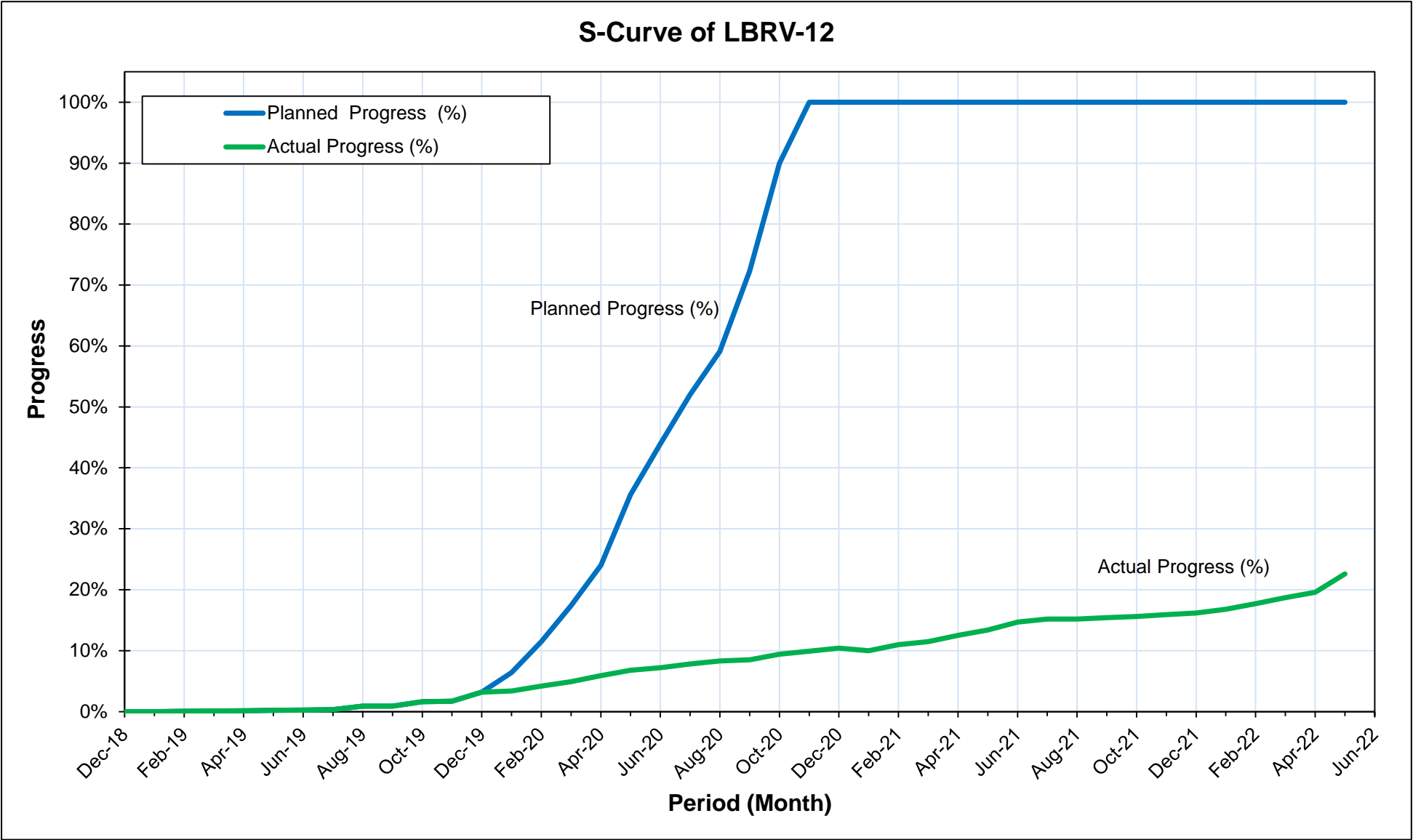


Figure 21: S-Curve for LBRV-12

Figure 22 [1/2]

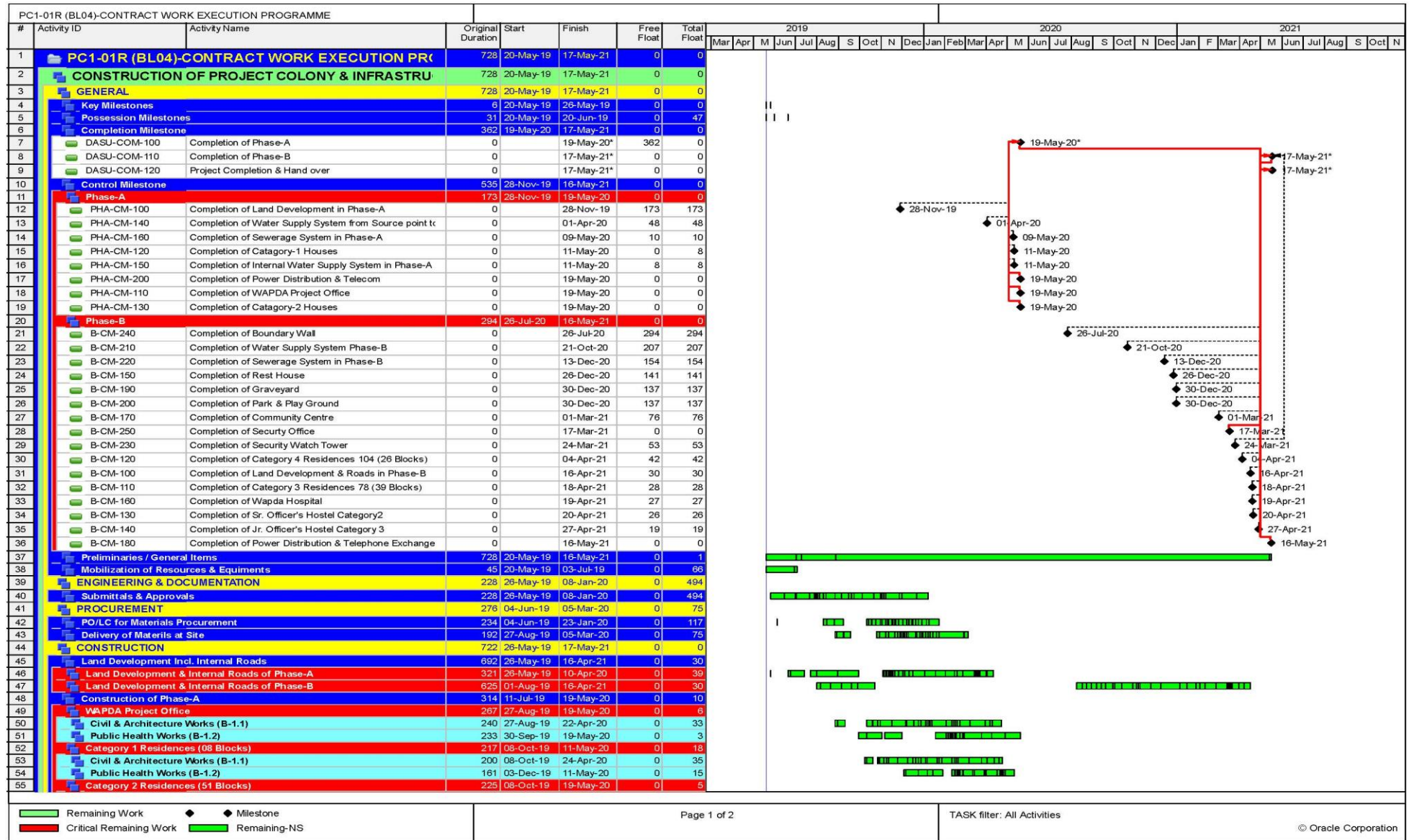
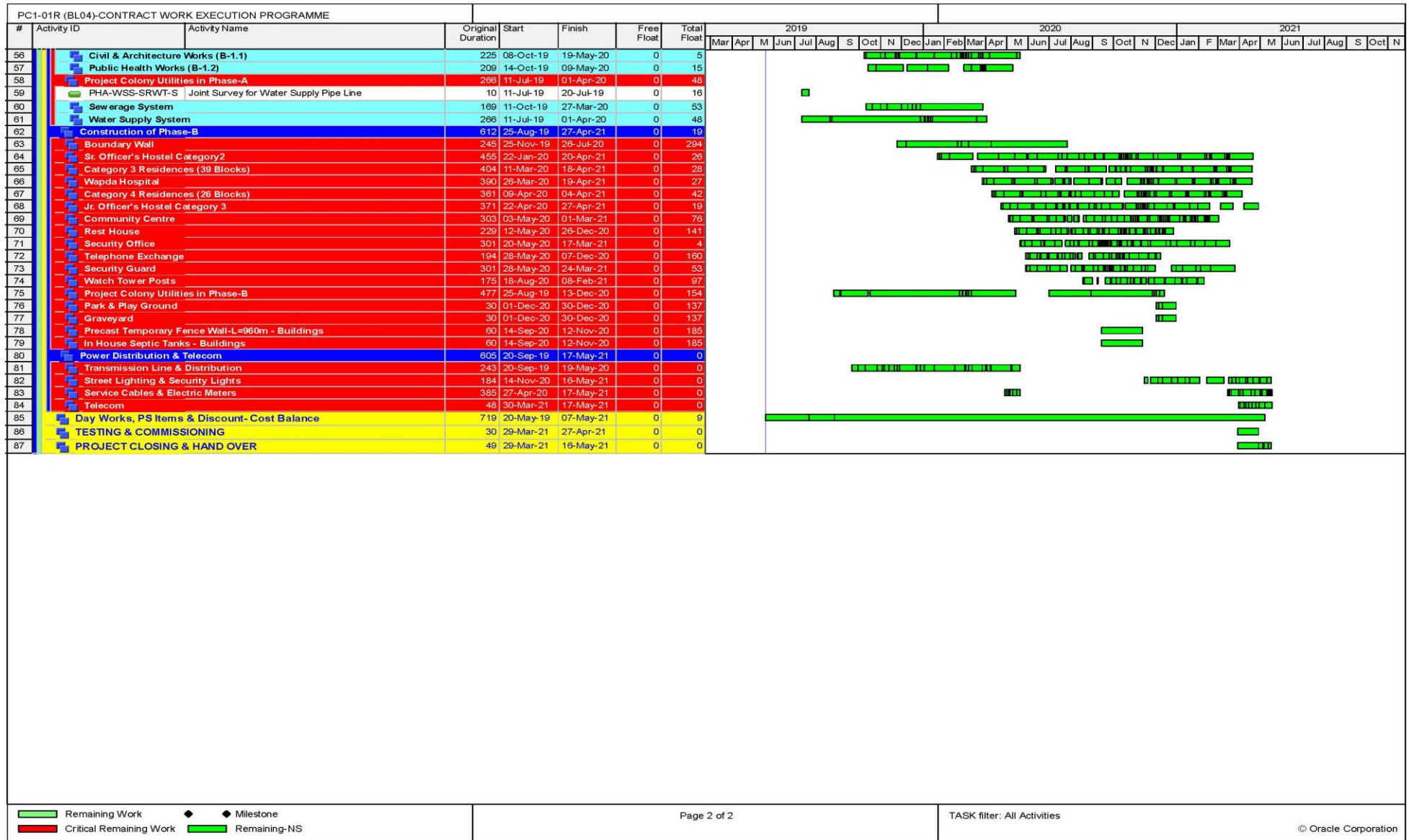


Figure 22: Gantt Chart of Dasu-PCI-01R (1 of 2)



Figure 22 [2/2]



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

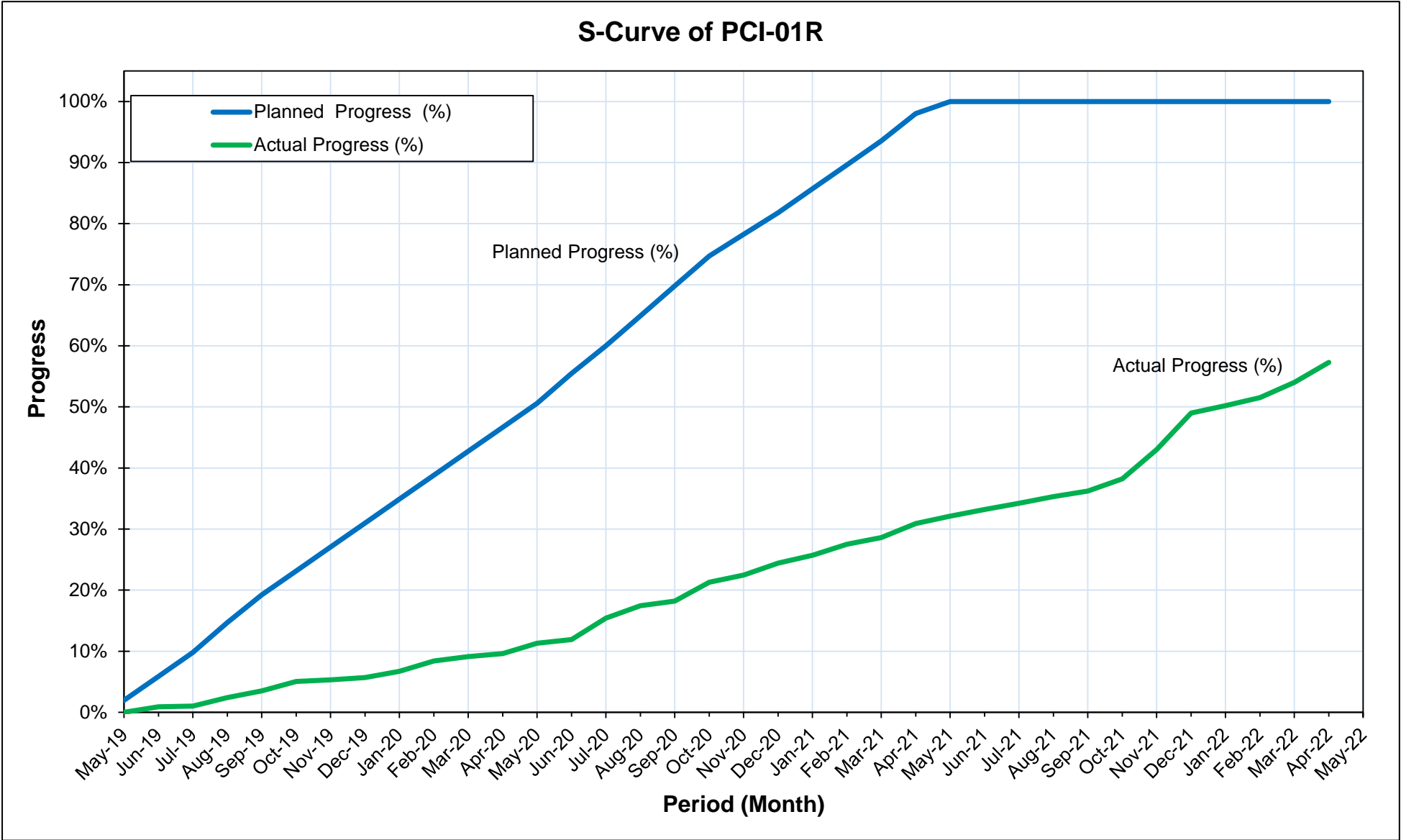


Figure 23: S-Curve for PCI-01R

Figure 24 [1/5]

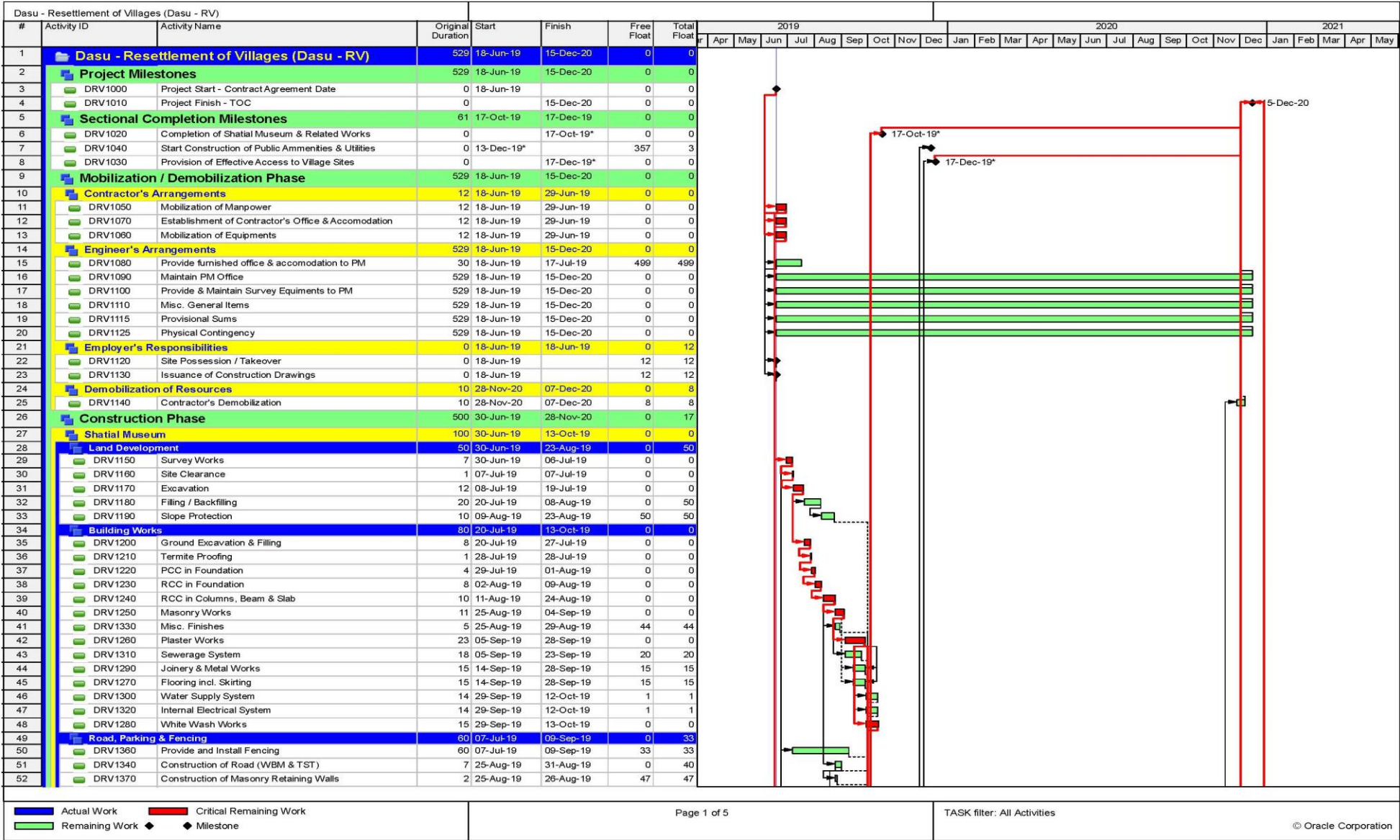


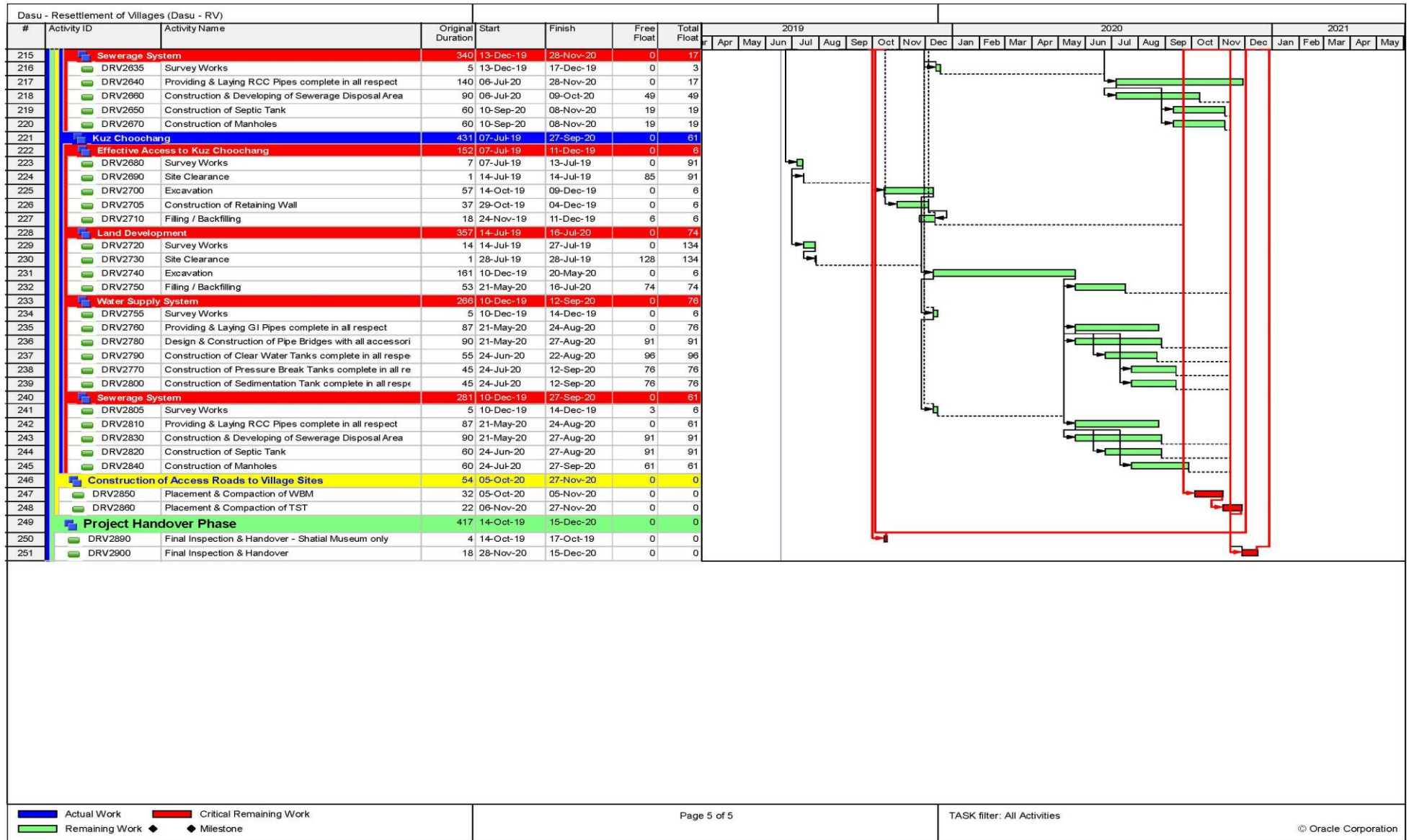
Figure 24: Gantt Chart of Dasu-RV (1 of 5)







Figure 24 [5/5]



Gantt Chart of Dasu-RV (5 of 5)

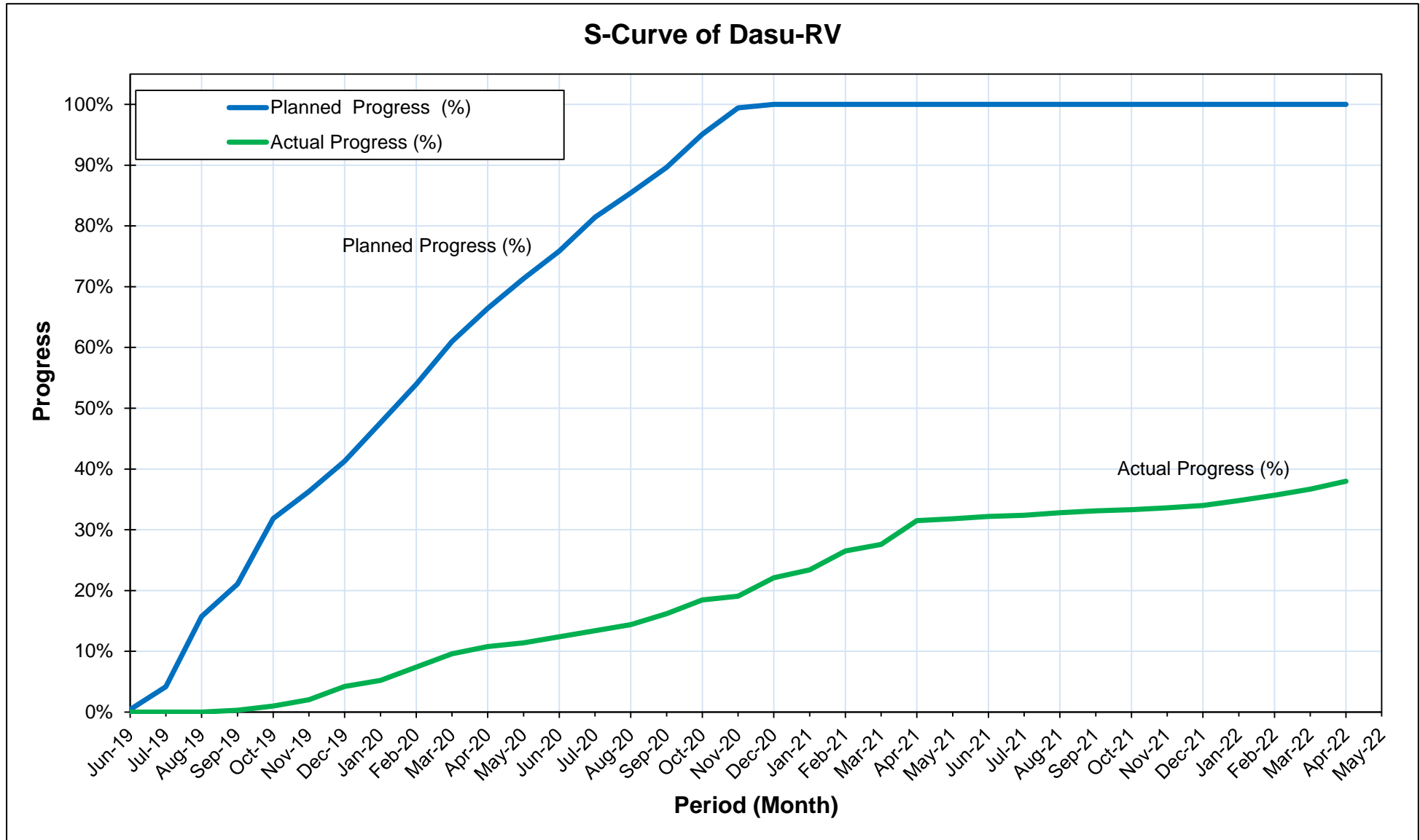


Figure 25: S-Curve for RV



Figure 26 [1/4]

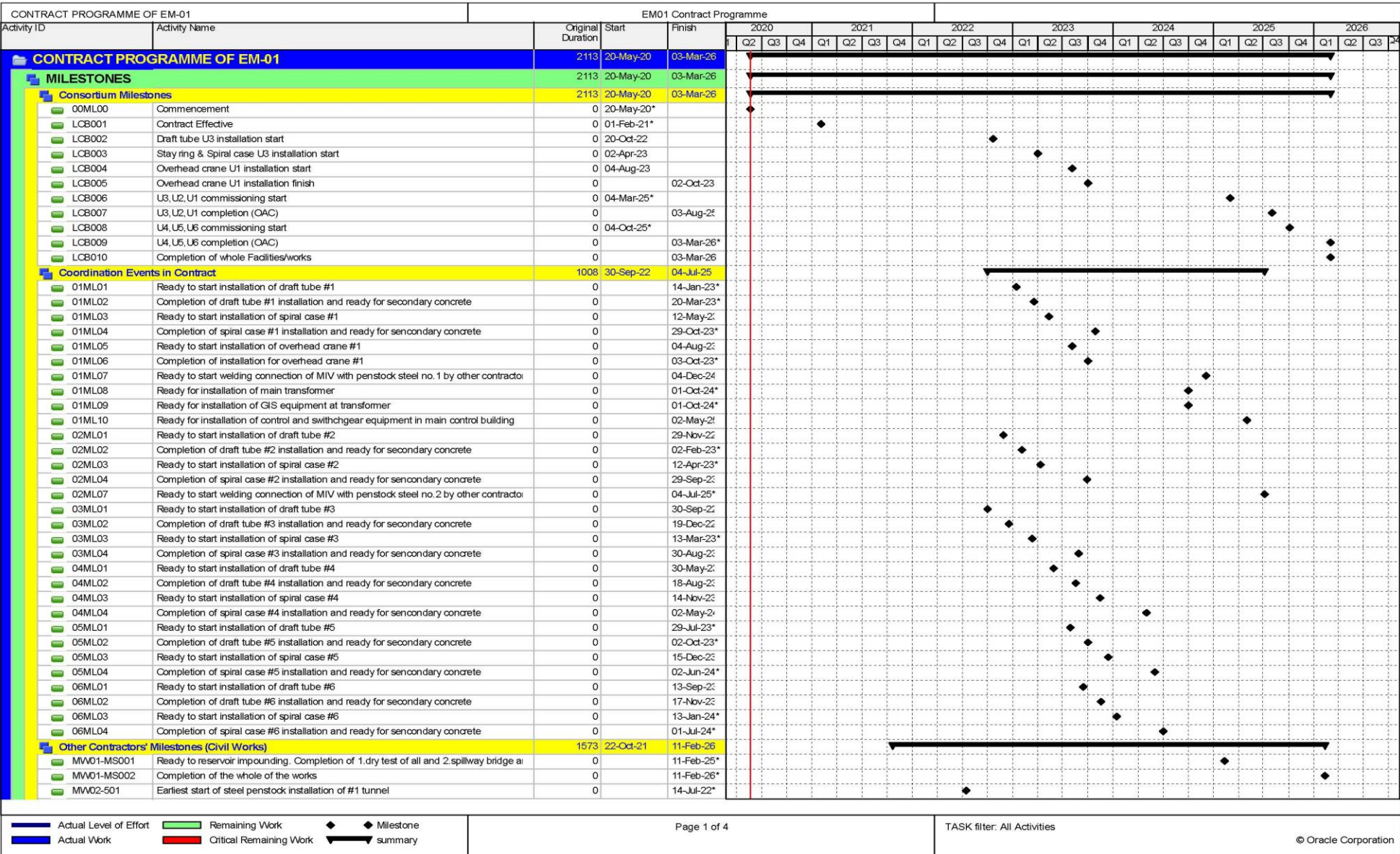
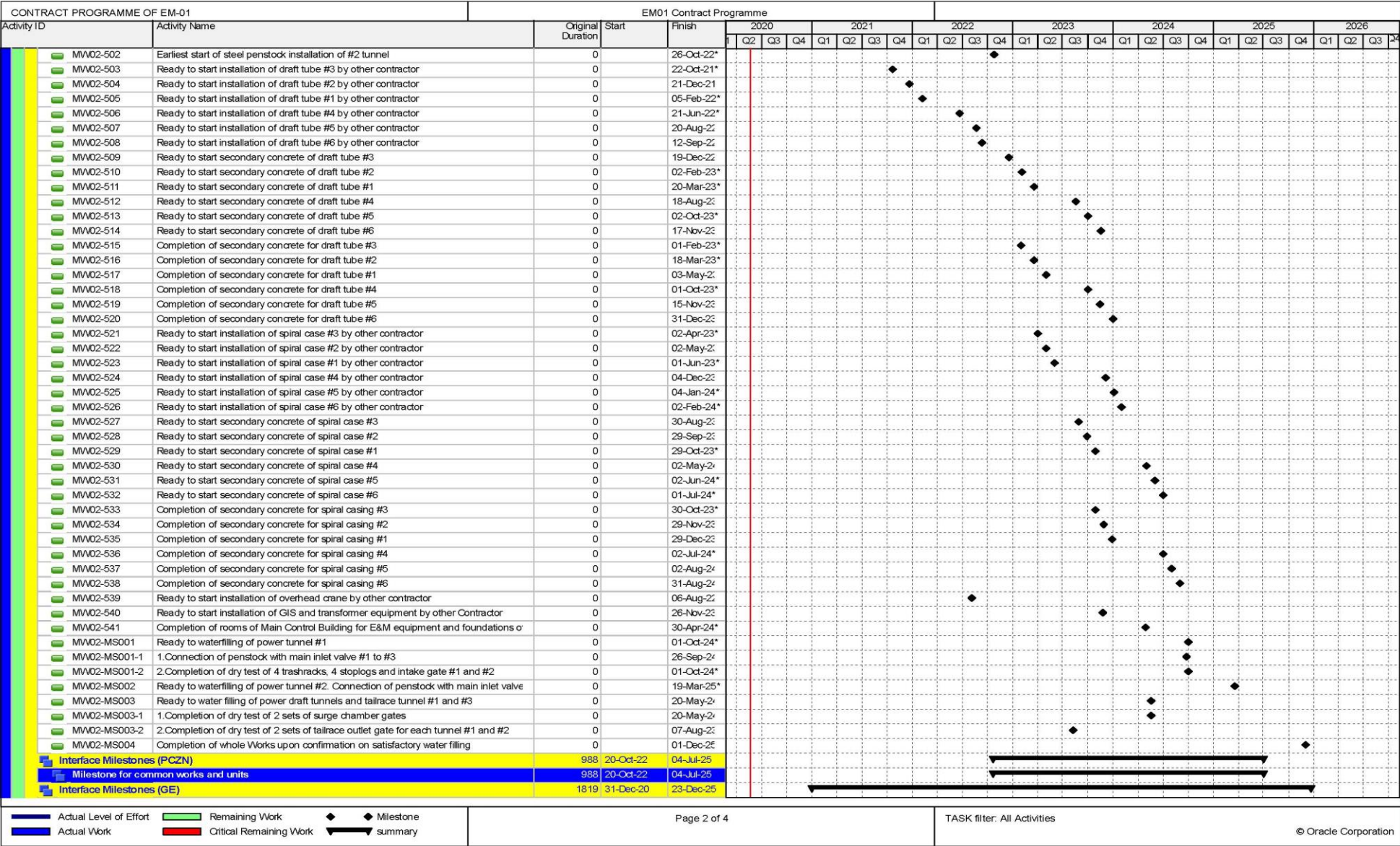


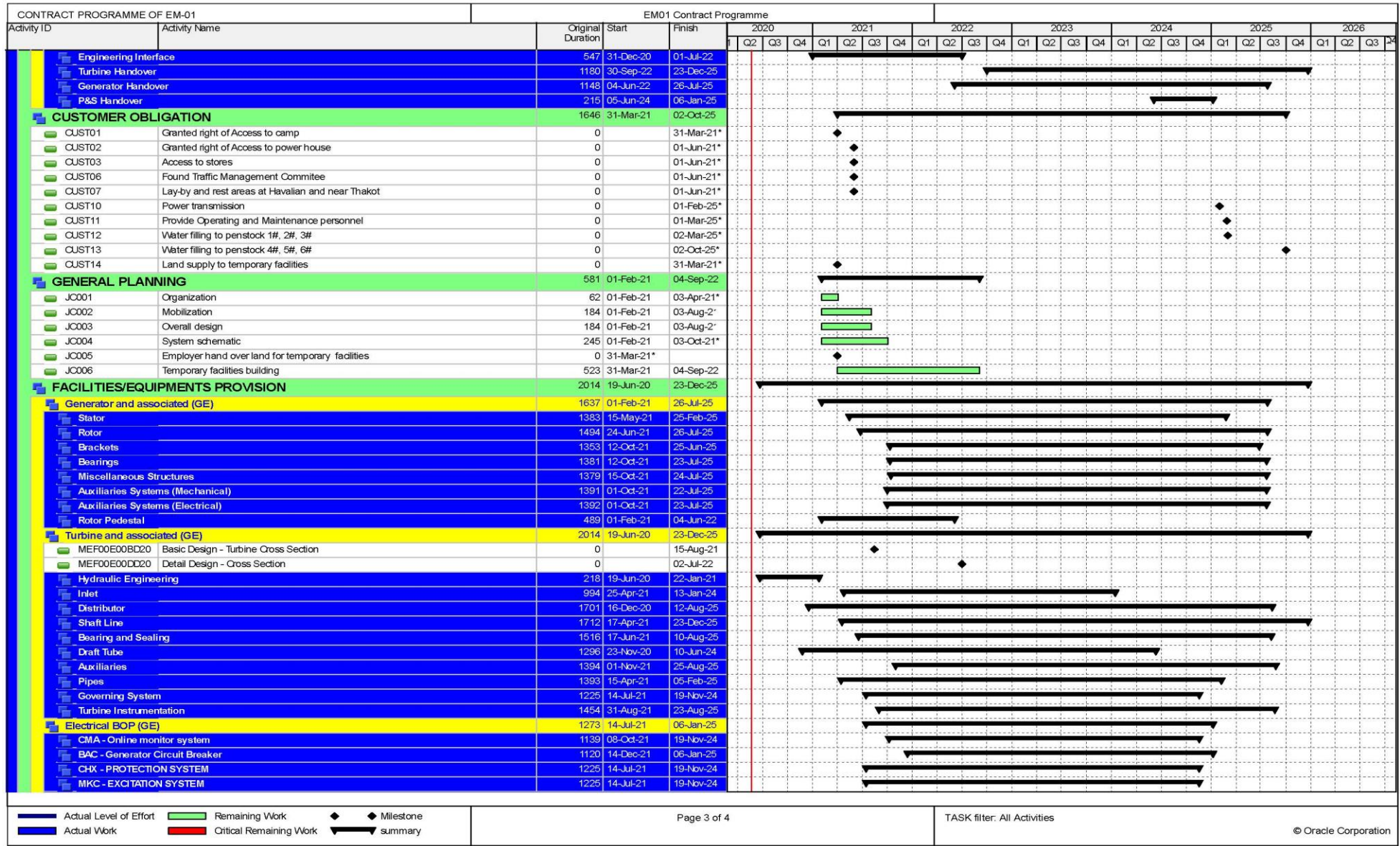
Figure 26: Gantt Chart of Dasu-EM-01 (1 of 4)

Figure 26 [2/4]



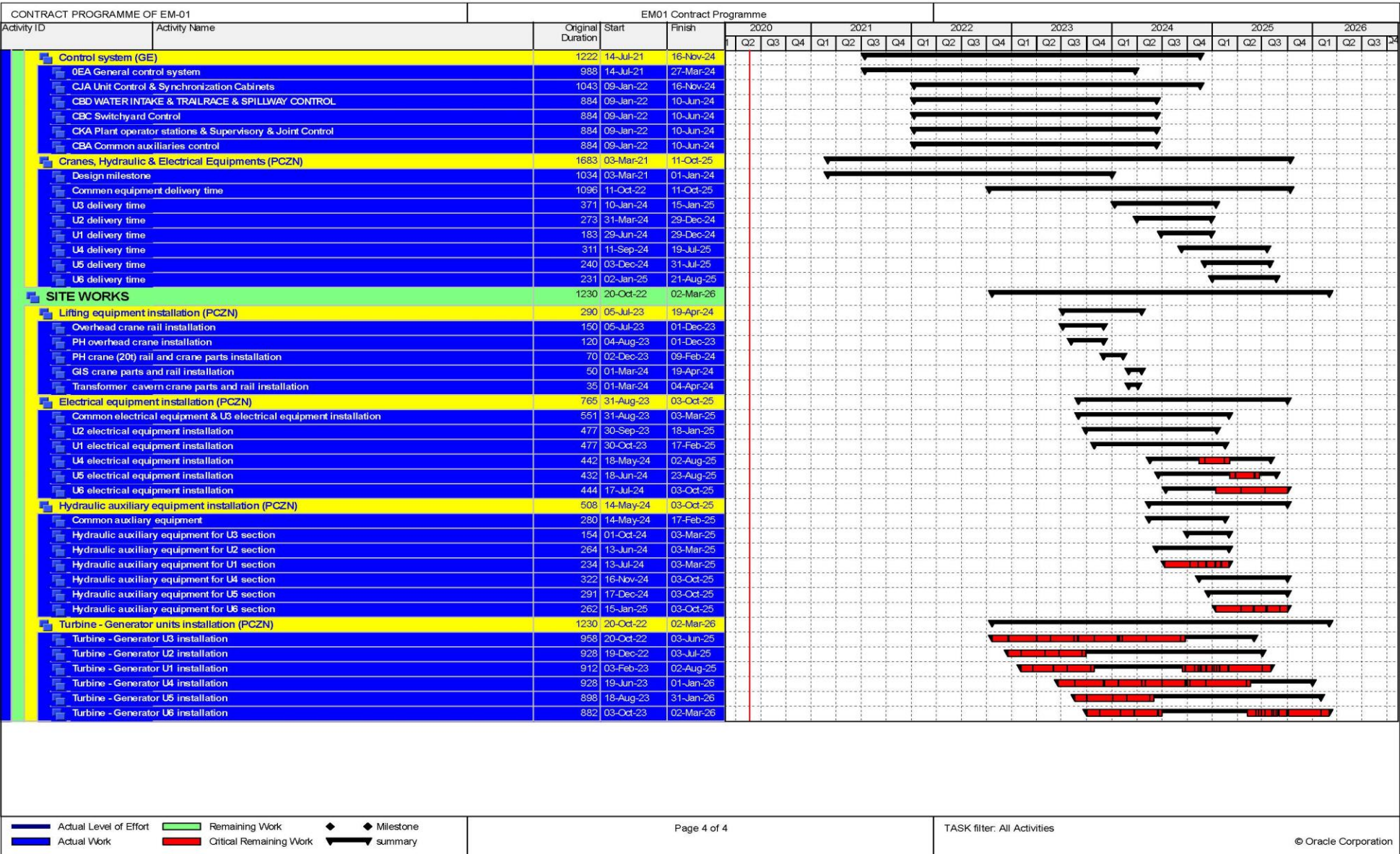
Gantt Chart of Dasu-EM-01 (2 of 4)

Figure 26 [3/4]



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

Figure 26 [4/4]



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

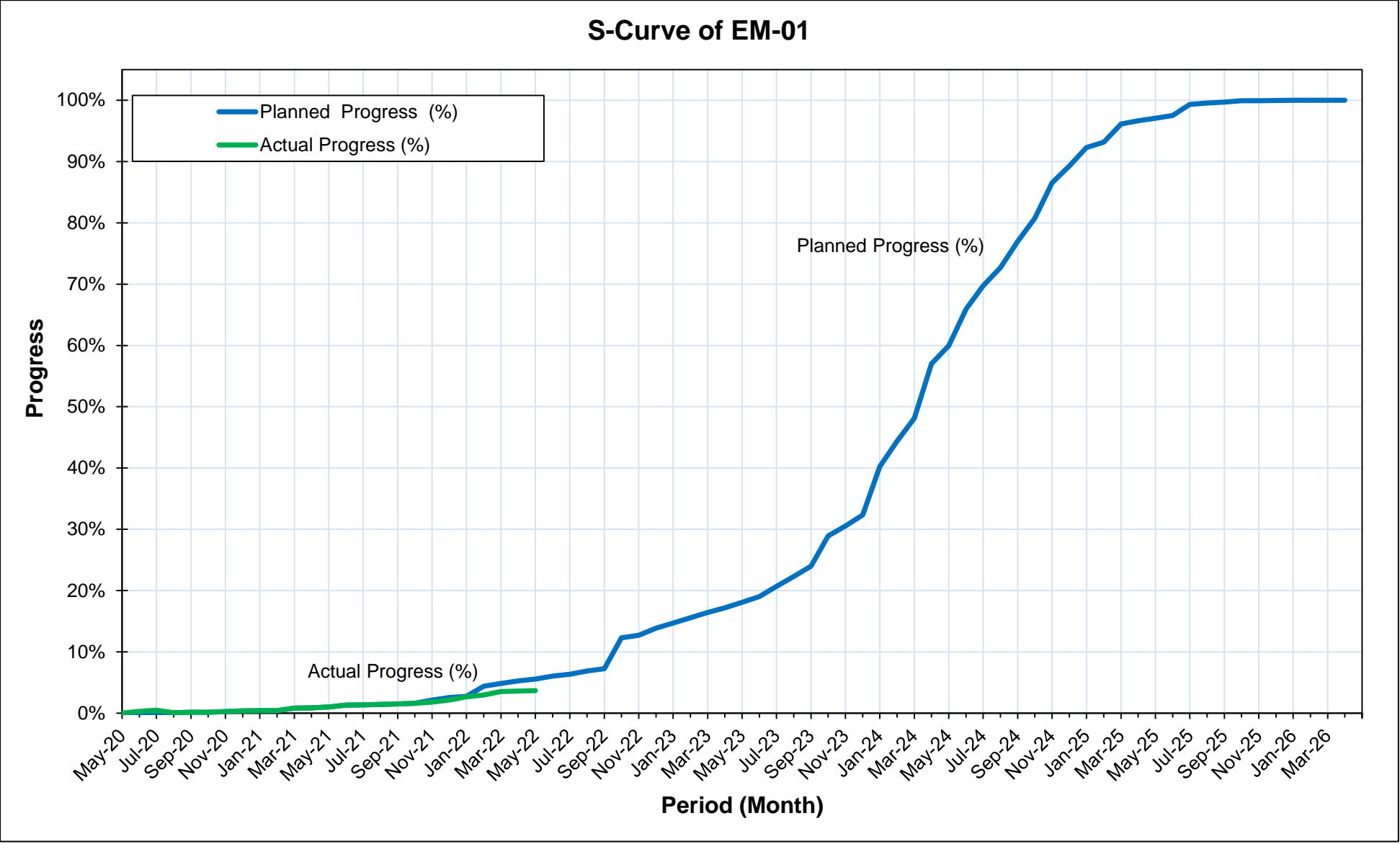


Figure 27: S-Curve for EM-01

# APPENDICES

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# **APPENDIX A**

## **Project Activities Pictorial**

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Appendix A: Project Activities Pictorial

Photographs of Environment Section



Water Sprinkling at RAR-01, Komila Bypass  
Contractor Name: CCECC



Inspection of Sedimentation Pond at CR-02;  
Contractor Name: CGGC



Spot Monitoring Sample running on Testing Equipment



Water Sampling from Indus River and Sedimentation Pond.

Photographs of OHS Section



Joint site inspection by DHC OHS at Project Colony CGICOP



Joint site inspection by DHC OHS at DTA inlet CGGC



Electrical DBs inspection at DTA Inlet by DHC OHS



Grinding machine inspection at DTA Inlet by DHC OHS



Checking effectiveness of communication Adit#1 by DHC OHS



Checking of tunnel entry record at Adit#1 by DHC OHS



DHC conducted training session with contractors, DHC & WAPDA staff on heat stress management



Checking of tunnel air quality at Adit#1 by DHC OHS



Checking of operator licencess by DHC OHS at powerhouse.



Inspection of KKH boundry fence by DHC OHS at CR9



Monthly inspection of CGGC fire extinguisher inside the tunnel



Speed monitoring conducted by DHC OHS near Uchar



Fire extinguisher drilled conducted by CGGC staff



A mock drill for evacuation and shifting of victim

### Photographs of Social & Resettlement Section



Meeting with the AHHs of Pani bah Reservoir Area-1 on 9.5.2022



Meeting with Mr. Muhammad Shah of Siglo 2 file 1 in the office of AAC (R) on 10-5-2022



Meeting with 80 members of Reservoir Committee on 9-5-2022



Meeting of Review & Scrutiny Committee (RSC) on 10-5-2022



Field Verification visit by FVC to Siglo 2 File 1 houses for SMR Package on 12-5-2022



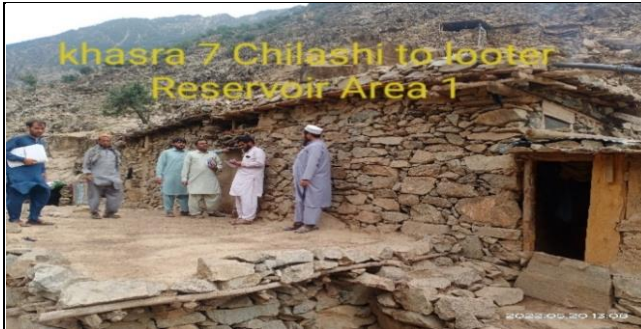
Meeting with Director S&R WAPDA regarding 58 houses Demolishing Issue on 13-5-2022



Introductory meeting with new Convener of RSC (AC-HQ) on 18-5-2022



Field Verification of houses by FVC in Pani Bah Reservoir Area-02 on 20-5-2022



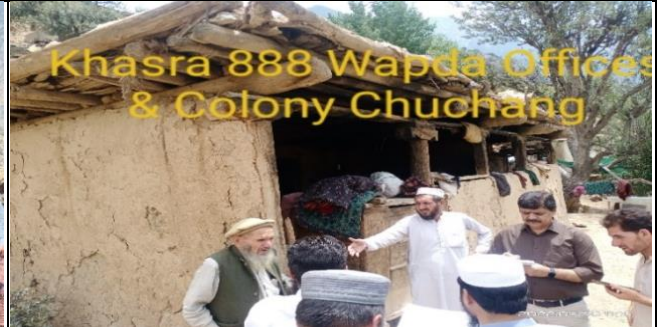
Verification of house for SMR package by FVC in Chilashi to Looter Reservoir Area on 20-5-2022



Verification of house for SMR package by FVC in Pani Bah Access Road on 20-5-2022



Verification of houses by FVC for SMR Package in Pani Bah Reservoir Area-01 on 26-5-2022



Verification of houses for SMR package by FVC in WAPDA offices & Colony Chuchang on 30-5-2022



Review & Scrutiny Committee Meeting on 30-5-2022



Verification of houses for SMR package by FVC in Pani Bah Reservoir Area-01 on 31-5-2022



Verification of houses for SMR package by FVC in Tata Pani Kaigah on 31-5-2022



Verification of Houses for SMR package by FVC in tata Pani Kaigah Reservoir Area on 31-5-2022



Preparation of SMR files by S&R Team



Another Click of SMR files preparation under the supervision of S&R Expert.



Internal Meeting of S&R section regarding SMR files



Assisted Working Committee regarding finalizing of SMR files



Staff in DC office during disbursement of compensation cheques of KKH-02 Additional Land (Kaighah to Awai) Area-1 (A) Part-I on 23-05-2022



DC Office and DHC staff during cheques disbursement of KKH-02 Additional Land (Kaighah to Awai) Area-1 (A) Part-I Component on 13-05-2022



PAP from- Kishu Kaar Reservoir Area component is showing received compensation payment cheque at DC Office on 25-05-2022



PAP from-Millar to Dogah Nula Area 2A component is showing received compensation payment cheque at DC Office on 27-05-2022



DC Office staff giving ESMR cheque to AHHs from Komila By Pas 01 component on 13-05-2022



DC Office staff giving ESMR cheque to AHHs from Siglo village on 28-4-2022



DHC and WAPDA office staff working of disbursement of TRP cheques to AHH of Khushi at WAPDA office on 30-05-2022



WAPDA PMU Staff is presenting TRP cheque to AHH at WAPDA PMU office on 30-05-2022



AHH from Khushi Access Road to Ventilation tunnel is displaying received TRP cheque on 30-05-2022



AHH from Khushi village showing received TRP cheque at WAPDA office on 30-05-2022



Meeting with Kuz Chuchang Resettlement Site-04 for location of Water Tank and Masjid



Consultation with Kuz Chuchang community of issue of TRP on 24-05-2022

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



Drilling for Blasting activity at K6+450



Excavation for Levelling of Ground for camp at Khushe K6+400



Backfilling above K3 Tunnel Inlet portal



Excavation at K28 access Road



Excavation at K37 Access Road



Excavation at K12+960



Drilling for Blasting End Section (Komila Bypass)



Loading of Excavated Material End Section (Komila Bypass)



Excavation of Local Access Road K11+600 (RAR-01)



Concrete of Road Side Drain K10+400 (RAR-01)



Formwork installation and steel fixing of indoor cable trenches at grid station.



Clearance of Upper Terrace for installation of electrical equipment in Grid Station.



Excavation/Cutting work at Access road to Grid Station.



Excavation at T-111A

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



Slope Protection Of Nasirabad Site



Mosque Work Of Nasirabad Site 02





Road Work Nasirabad site 02



Top Veiw of Mosque Nasirabad site 02



Project Office



CAT Front side

# **APPENDIX B**

## **The Envisaged Man Months**

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Months (in the form of Bar Chart)

No	Name	Position	Firm	2021												2022												2023												2024												2025												AM-4 (B) from Aug-14 to June-2025	Activities Performed up to Previous Month	Activities Performed This Month	Total Actual Utilized MMs	Balance MMs
				J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D					
L128	TBN / Mr. Javed Akhtar/ Mr. Yousaf Khan/ TBN/ Mr. Muhammad Khurshid Ul Hassan	Chief Contract Engineer-A	NDC	[Bar chart showing activity in 2021]																																																												97.89	59.16	-	59.16	38.73
L129	TBN/ Mr. Arshad Hussain/ Mr. Irfan Mahmood Janjua	Sr. Migration Management	NDC	[Bar chart showing activity in 2021]																																																												57.36	46.39	-	46.39	10.97
L130	Mr. Inaam-ur-Rahim/ Mr Ahmad Shoaib/ TBN	Sr. Downstream Management	NDC	[Bar chart showing activity in 2021]																																																												38.60	14.60	-	14.60	24.00
L131	Ms. Turanjbeeen Naqvi / TBN	Jr. Electrical Engineer	NDC	[Bar chart showing activity in 2021]																																																												54.10	26.10	-	26.10	28.00
NP1	TBN	Sr. Quantity Engineer-B	NDC	[Bar chart showing activity in 2021]																																																												48.00	-	-	-	48.00
NP2	Mr. Nawazish Ali	Sr. Engineer Roads (KKH-02 & RAR-02)	DMC	[Bar chart showing activity in 2021]																																																												42.47	35.13	0.87	36.00	6.47
NP3	TBN	Sr. Site Engineer (Bridge & Structure)	PES	[Bar chart showing activity in 2021]																																																												26.00	-	-	-	26.00
NP4	Mr. Sayyar Ali	Sr Survey Professional	PES	[Bar chart showing activity in 2021]																																																												46.30	25.40	1.00	26.40	19.90
NP5	Mr. Noman Saeed	Principal GIS	DMC	[Bar chart showing activity in 2021]																																																												53.31	34.87	1.00	35.87	17.44
NP6	Ms. Sobia Nazir	Principal Architect	NDC	[Bar chart showing activity in 2021]																																																												37.60	30.50	1.00	31.50	6.10
NP7	Mr. Anwarzeb	Principal Construction Planner	PES	[Bar chart showing activity in 2021]																																																												46.50	3.50	1.00	4.50	42.00
NP8	Mr. Mudassar Hassan	Principal Environmentalist	DMC	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
NP9	Mr. Tariq Javed	Principal Lab Professional	NDC	[Bar chart showing activity in 2021]																																																												10.00	-	-	-	10.00
NP10	TBN	Interpreter-1 (Chines/English)	PES	[Bar chart showing activity in 2021]																																																												8.00	-	-	-	8.00
NP11	Ghazan Khan	Interpreter-2 (Chines/English)	NDC	[Bar chart showing activity in 2021]																																																												62.24	19.14	-	19.14	43.10
NP12	Mr Muhammad Usama	Jr GIS Professional	PES	[Bar chart showing activity in 2021]																																																												54.67	26.10	0.90	27.00	27.67
NP13	Mr Shafiq Ahmad	Jr M&E Professional (S&R)	NDC	[Bar chart showing activity in 2021]																																																												48.00	7.63	0.93	8.56	39.44
NP14	Mr Abbas Ali	Jr GIS Professional	DMC	[Bar chart showing activity in 2021]																																																												11.00	10.83	-	10.83	0.17
NP15	Mr Fazal Hussain Malik	Jr GIS Professional	DMC	[Bar chart showing activity in 2021]																																																												13.00	13.00	-	13.00	-
NP16	Mr Zakariya Ayub	Jr GIS Professional	DMC	[Bar chart showing activity in 2021]																																																												11.00	10.80	-	10.80	0.20
NP17	Mr. Fawad Afzal	Sr. Document Controller	NDC	[Bar chart showing activity in 2021]																																																												48.00	-	-	-	48.00
NP18	Mr. Musaddaq Ahmed	Jr. Water Supply Design Engineer	NDC	[Bar chart showing activity in 2021]																																																												18.00	-	-	-	18.00
NP19	Mr. Ghulam Nabi	Sr Site Engineer (KKH-01, Tunnel)	NDC	[Bar chart showing activity in 2021]																																																												24.00	-	-	-	24.00
NP20	Mr. Moin-un-din	Principal Geologist (KKH-01&02, RAR-02, Roads, Tunnels, Bridges)	DMC	[Bar chart showing activity in 2021]																																																												23.24	-	-	-	23.24
NP21	Mr. Habib Shah	Principal Geologist (Powerhouse Complex)	NDC	[Bar chart showing activity in 2021]																																																												20.53	-	-	-	20.53
NP22	Mr. Ahsan Akhlaq	Sr. Environmentalist	NDC	[Bar chart showing activity in 2021]																																																												44.00	5.56	1.00	6.56	37.44
NP23	TBN	Sr Cost & Schedule Monitoring Engineer (Dam & Underground Works)	NDC	[Bar chart showing activity in 2021]																																																												30.00	-	-	-	30.00
NP24	TBN	Sr Site Engineer Dam-2	DMC	[Bar chart showing activity in 2021]																																																												24.00	-	-	-	24.00
NP25	TBN	Sr Site Engineer (Intake, Power Tunnel)	PES	[Bar chart showing activity in 2021]																																																												24.00	-	-	-	24.00
NP26	TBN	Sr Site Engineer (Powerhouse-3)	PES	[Bar chart showing activity in 2021]																																																												26.00	-	-	-	26.00
NP27	TBN	Sr Site Engineer (RV & Earthwork)	PES	[Bar chart showing activity in 2021]																																																												26.00	-	-	-	26.00
NP28	TBN	Sr Geologist	DMC	[Bar chart showing activity in 2021]																																																												42.00	-	-	-	42.00
NP29	TBN	Sr Geologist	NDC	[Bar chart showing activity in 2021]																																																												44.00	-	-	-	44.00
NP30	Mr Faiz ur Rehman	Jr Geologist	DMC	[Bar chart showing activity in 2021]																																																												32.00	0.76	1.00	1.76	30.24
NP31	Mr Sajid Hameed	Jr Geologist	NDC	[Bar chart showing activity in 2021]																																																												46.00	0.86	1.00	1.86	44.14
NP32	Mr Akhtar Ali	Jr Geologist	NDC	[Bar chart showing activity in 2021]																																																												46.00	0.86	1.00	1.86	44.14
NP33	TBN	Jr Geologist	NDC	[Bar chart showing activity in 2021]																																																												46.00	-	-	-	46.00
<b>Sub-Total</b>																<b>7,766.94</b>	<b>4,298.75</b>	<b>70.12</b>	<b>4,368.87</b>	<b>3,398.07</b>																																																
<b>Unallocated MMs</b>																<b>59.11</b>				<b>59.11</b>																																																
<b>Total</b>																<b>10,233.17</b>	<b>5,852.52</b>	<b>97.29</b>	<b>5,949.81</b>	<b>4,283.36</b>																																																
<b>Local Area Development Program (LADP)</b>																																																																				
LA-1	Mr. Piotr WYPLOSZ / Mr. Takeshi OKAMURA	Design and Procurement Coordinator	NK	[Bar chart showing activity in 2021]																																																												5.22	5.22	-	5.22	-
LA-2	Mr. Kenichi ISHII	Water Supply Engineer	NK	[Bar chart showing activity in 2021]																																																												5.91	5.34	-	5.34	0.57
LA-3	Mr. Muhammad Haseeb/Mr Zia Ullah	Sr. Water Supply Design Engineer	NDC	[Bar chart showing activity in 2021]																																																												23.60	26.46	1.00	27.46	(3.86)
LA-4	Mr. Musaddaq Ahmed	Jr. Water Supply Design Engineer	NDC	[Bar chart showing activity in 2021]																																																												22.78	10.78	-	10.78	12.00
LA-5	Mr Khadim Hussain	Sr. Water Supply Engineer	NDC	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-6	TBN	Jr. Water Supply Engineer - A	NDC	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-7	TBN	Jr. Water Supply Engineer - B	PES	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-8	Mr. Yuzo NAKANO	Road/Bridge Engineer	NK	[Bar chart showing activity in 2021]																																																												3.97	3.97	-	3.97	-
LA-9	Mr. M Awais Tariq/ Mr Sajid Ali Shah	Sr. Road Design Engineer	PES	[Bar chart showing activity in 2021]																																																												23.20	23.20	-	23.20	-
LA-10	Mr. Attique Ur Rehman	Sr. Bridge Design Engineer	NDC	[Bar chart showing activity in 2021]																																																												14.23	2.23	-	2.23	12.00
LA-11	Mr. Sajid Latif	Jr. Road Design Engineer	PES	[Bar chart showing activity in 2021]																																																												29.63	31.01	-	31.01	(1.38)
LA-12	Mr Rana Shahid Asghar	Sr. Site Engineer (Road, Building & Structure)	NDC	[Bar chart showing activity in 2021]																																																												12.00	1.43	1.00	2.43	9.57
LA-13	TBN	Sr. Bridge Engineer	PES	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-14	TBN	Jr. Road Engineer - A	PES	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-15	TBN	Jr. Road Engineer - B	PES	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-16	TBN	Jr. Road Engineer - C	PES	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-17	TBN	Sr. Building Design Engineer	PES	[Bar chart showing activity in 2021]																																																												-	-	-	-	-
LA-18	Mr. Najam ul Hassan	Sr. Structural Design Engineer	PES	[Bar chart showing activity in 2021]																																																												28.64	28.54	-	28.54	0.10
LA-19	Mr Adnan Khan	Jr. Building Design Engineer	PES	[Bar chart showing activity in 2021]																																																												-	-	-	-	-





# **APPENDIX C**

## **Submission of Deliverables**

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**Appendix C: Submission of Deliverables**

Date	Subject
06.05.22	Submission of Project Level Emergency Preparedness and Response Plan
07.05.22	LADP-Package-1 Road Schemes- Comments on Draft Insurance Policy Submitted by the Bidder
10.05.22	Revised Draft of VO-005-Tunnel Bridges and Culverts. KKH-01
14.05.22	Interim Payment Certificate No.4
14.05.22	Request for Approval of Skill Development Training in Kuz Chuchang (Pilot Training)
15.05.22	Interim Payment Certificate No.30.PCI-01R
18.05.22	Request for Format of Performance Guarantee and Advance Payment Guarantee for Increased Contract Value After VO-005 Signed. KKH-01
18.05.22	Selection of the Sole Member for the Dispute Board.KKH-02 & RAR-02
18.05.22	Submission of Incident Report
19.05.22	Interim Payment Certificate No # 28 • For Mar-2022.
19.05.22	Justification for Issuance of Interim Payment Certificate No # 28
19.05.22	Interim Payment Certificate No # 28 • For Mar-2022
19.05.22	Justification for Issuance of Interim Payment Certificate No # 28
19.05.22	Package-01 Road Schemes-Possession of the Site
21.05.22	LADP Monthly Progress Report No.37 for the Month of April 2022
22.05.22	Trees Assessment and Compensation Payment at T-130A.
23.05.22	Dispute Board Non-Binding Opinion No.1 on Contractor's Land slide Notice Claim.
24.05.22	1 <sup>st</sup> Interim Claim Regarding Re-handling of Excavated Material at Kuz-Choochang(Upper and Lower Portion)
25.05.22	Cost Estimate for Rehabilitation and Upgradation of Drinking Water Supply Facilities Dasu, Jalkot and Teyal
26.05.22	150 Meters Rotary Drilling Work Require for Sub Soil Investigations
26.05.22	Notice to Claim Idle Resources at Grid Station
27.05.22	Interim Payment Certificate No. IPC No. 60
27.05.22	Comments Response for Rehabilitation and Upgradation of Drinking Water Supply Facilities Dasu, Jalkot and Teyal
27.05.22	Bidding Document for Rehabilitation and Upgradation of Drinking Water Supply Facilities Dasu, Jalkot and Teyal
30.05.22	MPR No.93 for the Month of April 2022 under Assignment-B
31.05.22	New Format of Quarterly Environmental Progress Report Jan-March 2022



# **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>
11.05.22	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting MW-01 & MW-02
11.05.22	WAPDA DHC PCCCL	Contractors Camp	Minutes of Weekly Progress Review Meeting .TL-01
13.05.22	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting KKH-01
13.05.22	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting RAR-01
21.05.22	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting PCI-01R
21.05.22	WAPDA DHC PCCCL	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting TL-01
27.05.22	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly Environmental Progress Meeting PCI-01R
27.05.22	WAPDA DHC PCCCL	DHC Meeting Room	Minutes of Monthly Environmental Progress Meeting
21.06.22	WAPDA DHC ZEGL	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting LBRV-11 & 12





# **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.	19.05.22	GM/PD/Dasu HPP/DD(T)/6C(CS) /3100-03	Request for Extension of Multiple Entry Business Visa to Mr. Birol Murat ERDOLU	
2.	23.05.22	CE/PD/WMSC/Dasu HPP/Model Study/Maintenance/533	Maintenance of 4 No. Physical Models HRS, Nandipur	
3.	25.05.22	GM/PD/DHPP/Dir(C)/6B(CS)/ 3175-80	Request for Approval of Mr. Rana Waris Ali against TBN Position of Sr Geologist (NP29)	
4.	25.05.22	GM/PD/DHPP/Dir(C)/6B(CS)/ 3175-80	Request for Approval of Mr. Sheraz Khan against Designated Position of Principal Bridge Engineer to Principal Contract Engineer (E&M) L98	
5.	26.05.22	GM/PD/Dasu HPP/Accts/3198- 3201	Release of Payments of Arrear of Escalation Invoice No. 006 for Oct-Dec-2021	
<b>Dasu Office</b>				
6.	12.05.22	GM/PD/DHPP/Admn/E-1/1868-74	Visit Programme of Chairman WAPDA at Dasu HPP on 13.05.22	
7.	13.05.22	GM/PD/DHPP/Dir(C)/6B(CS)/3037-42	Approval of Mr. Ali ONUR KUYUCAK as Bridge Design Supervision Engineer KNP11 (3043-48)	
8.	13.05.22	GM/PD/DHPP/Dir(C)/6B(CS)/3043-48	Approval of Shifting Man-Months of Birol Murat Erdolu from Position RE (Tunnel-A) K10 to K54-2	
9.	14.05.22	GM/PD/DHPP/Env/G-01/27/409-12	Management of Sedimentation Pond on Construction Sites	
10.	14.05.22	GM/PD/Dasu HPP/E-7/19018-22	Security Hazards at Tailrace Work Site	
11.	14.05.22	GM/PD/DHPP/DG(SS)E-7/1905-17	Security Arrangements for the Travelling of Team of Ms DHC	
12.	12.05.22	GM/PD/DHPP/DG(SS)E-7/1855-67	Security Arrangements for the Travelling of Team of Ms DHC	
13.	12.05.22	GM/PD/DHPP/DG(SS)E-7/1875-87	Security Arrangements for the Travelling of Team of Ms DHC	
14.	11.05.22	GM/PD/DHPP/DG(SS)E-7/1803-16	Security Arrangements for the Travelling of Team of Ms DHC	
15.	12.05.22	GM/PD/DHPP/DG(SS)E-7/1818-30	Security Arrangements for the Travelling of Team of Ms DHC	
16.	16.05.22	GM/PD/DHPP/Contracts/GEN/01/7484-88	Clarification Regarding KPK Provisional Sales Tax Law	
17.	19.05.22	GM/PD-DHPP/W-35/561-66	Provision of SCOM Mobile Phone Sims to DHC and All Contractors Dasu HPP	
18.	18.05.22	GM/PD/DHPP/S&D/Gen/7588-91	150 Meters Rotary Drilling Work Require for Sub-Soil Investigations at Dasu HPP with 1-No.Rigs (02 No. Bore Holes)	
19.	18.05.22	GM/PD/DHPP/DG(SS)/E-7/1991-2003	Security Arrangements for the Travelling of DHC Staff from Islamabad to Dasu	
20.	18.05.22	GM/PD/DHPP/DG(SS)/E-7/2004-16	Security Arrangements for the Travelling of DHC Staff from Islamabad to Dasu	
21.	19.05.22	GM/PD/DHPP/Contracts/Audit/3-A/7597-7601	Financial Control Management on WAPDA Projects	
22.	21.05.22	GM/PD/Dasu HPP/E-7/3008-12	Threat Alert-Nationals	
23.	20.05.22	GM/PD/DHPP/Dir(C)/6B(CS)/3130-35	Replacement of K5 Chief Geologist a From Dr.Pucaï Yang to Dr.Takahito Naka	
24.	23.05.22	GM/PD/DHPP/Env/W-4/413-15	Identification of Solid Waste Management Site Identification	
25.	21.05.22	GM/PD/DHPP/Contracts/01B/6700-05	Progress Review Meeting by Advisor Project (12-13 May 2022)	
26.	23.05.22	GM/PD/DHPP/7728-29	Furnishing of Vehicles	
27.	30.05.22	GM/PD/DHPP/7948-51	Study Tour of Dasu Hydropower Project	
28.	31.05.22	GM/PD/DHPP/Dir(C)/6(CS)/3244-50	Audit of Payments Made to Dasu Hydropower Consultants Contract for Consultancy Services for Preparation and Implementation	
<b>1.2. Dasu-RAR-01</b>				
<b>Dasu Office</b>				
29.	21.05.22	GM/PD/Dasu HPP/RAR-01/ 2022/7663-65	Shortage of Diesel and Cement at Site due to Non-Availability of Funds	
30.	26.05.22	GM/PD/Dasu HPP/RAR-01/ 2022/7818-20	Application from Komila Bypass Residents.RAR-01	
<b>1.3. Dasu-RAR-02</b>				
<b>Dasu-Office</b>				
31.	24.05.22	GM/PD/DHPP/CE(C)/RAR-02/DB/7767-70	Selection of Dole Member for Dispute Board (DB ) RAR-02	
32.	24.05.22	GM/PD/DHPP/DD(C)/RAR-02/42/3159-63	Return of Expired Performance Security and Addendum NO.01 After Submission of New Performance Security of RAR-02	
33.	26.05.22	GM/PD/Dasu HPP/RAR-0-1&RAR-02/2022/7821-23	Progress Review Minutes of Meeting Held Between Advisor ( Project ) Consultant and Contractor	
34.	30.05.22	GM/PD/DHPP/DD(C)/RAR-02/42/3225-30	Release of Previous Performance Security ( Bank Guarantee ) And Addendum No.01	
<b>1.4. Dasu-KKH-01</b>				
<b>Dasu Office</b>				
35.	17.05.22	GM/PD/CE(S&D)/DHPP/KKH-01/7548-50	Slow Progress of Work	
36.	17.05.22	GM/PD/CE(S&D)/DHPP/KKH-01/755-55	Prevention of Locals form Sand Extraction within Construction Sites at Khushi Area	
37.	20.05.22	GM/PD/DHPP/DD(C)/KKH-01/54/3127-29	Format of Performance Guarantee and Advance Payment Guarantee for Increased Contract Value After VO-005 Signed.KKH-01	
38.	25.05.22	GM/PD/CE(S&D)/DHPP/KKH-01/7793-96	KKH-01 & KKH-02 Progress Review Meeting by Advisor.KKH-01Application from Komila Bypass Residents.RAR-01	
<b>1.5. Dasu-KKH-02</b>				
<b>Dasu Office</b>				

**Dasu Hydropower Project  
Monthly Progress Report No. 94 (May 2022)**

**Appendix E [2/16]**

39.	19.05.22	GM/PD.PHPP/CE(S&D)/KKH-02/7615-18	Construction of Barracks at Kaigah Camp.	
40.	24.05.22	GM/PD/DHPP/CE(C)/KKH-02/DB/7771-74	Selection of Dole Member for Dispute Board ( DB ) KKH-02	
41.	25.05.22	GM/PD.PHPP/CE(S&D)/KKH-02/7797-99	Revised Design Proposal For KKH-02 (Rev-02 ) From K25+200 to K62+213 )	
42.	27.05.22	GM/PD/DHPP/KKH-02/7866-68	Damages of Poles During Excavation at Kaigah Access Road	
<b>1.6. Dasu-TL-01</b>				
<b>Dasu Office</b>				
43.	11.05.22	GM/PD/Dasu HPP/TL-02/ 7414-15	Slow Progress of Work on 132KV Transmission Line & Grid Station	
44.	16.05.22	GM/PD/Dasu HPP/TL-05/ 7481-83	Request for Assessment of Trees at T-130A	
45.	18.05.22	GM/PD/Dasu HPP/TL-05/ 7561-62	Row Issues of Transmission Line & Grid Station	
46.	18.05.22	GM/PD/Dasu HPP/TL-05/ 77 26-27	Status of Advisors Comments on his Visit to Dasu HPP on 13-05-2022.	
47.	23.05.22	GM/PD/Dasu HPP/TL-05/ 77 30-31	ROW Issues of Transmission Line & Grid Station.TL-01	
48.	25.05.22	GM/PD/Dasu HPP/TL-05/ 77 80-81	Row Issue of Shaikh Banda Area (T-149 to T-155B) TL-01	
49.	27.05.22	GM/PD/Dasu HPP/TL-05/787 1-72	Stealing of Tower Material From Already Erected Towers	
50.	26.05.22	GM/PD/Dasu HPP/CW-01/7851-52	Call For Inspection Of Tower Material	
51.	28.05.22	GM/PD/Dasu HPP/CW-01/7851-26	Price Adjustment for Market Inflation For The Extended Period Contracts claim	
<b>1.7. Dasu-MW-01</b>				
<b>Dasu-Office</b>				
52.	09.05.22	GM/PD/Dasu HPP/Dir(C)/Dam -35/2950-53	Dispute Board - Referral No. D01 - Tender discount - Response on the Employers Position Papers	
53.	12.05.22	GM?PD/DHPP/MW-01/81/7423-27	Recovery of Hire Charges Bill NLC Avn Fit	
54.	14.05.22	GM/PD/DHPP/7466-69	Recovery of Hire Charges Bill NLC Avn Fit	
55.	14.05.22	GM/PD/DHPP/7450-53	Recovery of Hire Charges NLC Avn Fit	
56.	14.05.22	GM/PD/Dasu HPP/S&D/MW-01/7470-75	Urgent request for Additional Borehole Survey for DS Coffor Dam	
57.	14.05.22	GM/PD/DHPP/Contracts/7476-79	Report on Lack of Oil Effecting Site Construction	
58.	17.05.22	GM/DHPP/CE( C )/MW-01/02/DB/7529-32	DBs Non-Binding Opinion Contractors Landslide Claim Notice	
59.	18.05.22	GM/PD/DHPP/DD(C )/Dam-35/3079-81	Dispute Board - DBs Non-Binding Opinion No 1 Landslide Notice	
60.	19.05.22	GM/PD/DHPP/Air-Transport/ 7627-31	Recovery of Hire Chares Bill NLC Avn Fit.MW-01	
61.	20.05.22	GM/PD/DHPP/Air-Transport/ 7651-54	Recovery of Hire Charges Bill NLC Avn Fit	
62.	20.05.22	GM/PD/DHPP/Air-Transport/ 764850	Recovery of Hire Charges Bill NLC Avn Fit (DA Allowance IRO Flying Crew)	
63.	21.05.22	GM/PD/Dasu HPP/S&D/MW-01/6712-14	Final Report on Structural Analysis of the Spillway Radial Gates of Diamer Basha Dam Project	
64.	21.05.22	GM/PD/DHPP/CE(C)/MW-01/DB/6706-11	Tender Discount Submission of Referral	
65.	26.05.22	GM/PD/DHPP/S&D/MW-01/ 7829-31	Information Required for Sediment Management Study MW-01	
66.	26.05.22	GM/PD/DHPP/S&D/MW-01/ 7843-45	Cracked Invert Concrete Inside DT-B	
67.	26.05.22	GM/PD/DHPP/DHC/7824-26.	Compensation of two Pakistani Labour	
68.	26.05.22	GM/PD/DHPP/Dir(C)/6C(CS)/7846-50	Employment of Locals of Area Kass by CGGC In their Chinese Camp	
69.	26.05.22	GM/PD/Dasu HPP/E-7/3060-65	Schedule of Outstation Movement of Expatriates for the Month of June 2022	
70.	26.05.22	GM/PD/DHPP/SS/S&R/E-28/3066-70	Sharing of Present Employees List Along With Police Clearance Certificates	
71.	27.05.22	GM/PD/DHPP/Contracts/MW-01/DB/116A/7856-58	Discount - Proposal For Amicable Settlement	
<b>1.8. Dasu-MW-02</b>				
<b>Dasu-Office</b>				
72.	27.05.22	GM/PD/DHPP/Contracts/MW-02/DB/116B/7859-61	Discount -Proposal for Amicable Settlement	
<b>1.9. Dasu-LBRV-11</b>				
<b>Dasu-Office</b>				
73.	19.05.22	GM/PD/DHPP/Contracts/LBRV-11/71/7602-06	Contractors Cost Claim for Extended Project Guarantees and Insurance.LBRV-11	
74.	24.05.22	PD/DHPP/Contracts/LBRV-11/71/7752-55	Draft Variation (VO-004) Regarding Omission of Sites Under LBRV-11	
<b>1.10. Dasu-LBRV-12</b>				
<b>Dasu-Office</b>				
75.	26.05.22	GM/PD/DHPP/Contracts/LBRV-12/72/7838-42	Contractor's Cost Claim for Extended Project Guarantees and Insurance -an Interim Claim Under Non - Possession of Sites LBRV-12	
76.	24.05.22	PD/DHPP/Contracts/LBRV-12/72/7756-59	Draft Variation (VO-002) Regarding Omission of Sites Under LBRV-12	
<b>1.11. Dasu-PCI-01R</b>				
<b>Dasu office</b>				
77.	14.05.22	GM/DHPP/Contracts/PCI-01R/ 7456-60	Notice to Correct	
78.	21.05.22	GM/DHPP/Contracts/PCI-01R/ 7493-96	VO-011-Increase in Length of Hangers for False Ceiling and Supplying and Installation for Joint Filler	
<b>1.12. Dasu-EM-01</b>				
<b>Dasu-Office</b>				
79.	16.05.22	GM/PD/Dasu HPP/EM-01/7489-92	Request to Provide Coordinates of 765KV Switchyards Gantry and Terminal Tower	
80.	18.05.22	GM/PD/Dasu HPP/TL-18/7576-79	Coordination Meeting at Dasu Office on 20.05.2022	
81.	19.05.22	GM/PD/Dasu HPP/EM-01/ 7636	Clarification of Generating Equipment Painting Colour	
82.	28.05.22	GM/PD/Dasu HPP/E-1/4034-37	Approval For Temporary Residence (New Building) For EM-01 Contractor At Dasu	
<b>1.13. Dasu-S&amp;R</b>				

**Dasu Hydropower Project**  
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**Appendix E [3/16]**

<b>Dasu-Office</b>				
83.	10.05.22	GM/PD/DHPP/S&R/E-66/1779	Application Regarding's Self-Managed Relocation (SMR)	
84.	11.05.22	GM/PD/DHPP/LA-S&R/W-128/1780-83	Rectified Revenue Record in Respect of Bailey Bridge Gummon Looter Right Side Area	
85.	14.05.22	GM/PD/DHPP/S&R/E-70/1095-96	ESMR - Field Verification of Dismantled Houses at Siglo	
86.	14.05.22	GM/PD/DHPP/SS/S&R/E-28/1923-26	Police Clearance Certificate of All Pakistani Staff Working Under DHPP	
87.	14.05.22	GM/PD/DHPP/SS/S&R/E-28/1927-30	Sharing of Valid Data of All In-Migrants Working in DHPP	
88.	17.05.22	GM/PD-DHPP/LA-S&R/W-160/1960-63	Tentative Cost Estimate Land In Respect of " KKH -01 Additional Land (PTB-5 )	
89.	17.05.22	GM/PD-DHPP/LA-S&R/W-160/1964-67	Tentative Cost Estimate Land In Respect of "KKH -01 Additional Land (PTB-2 )	
90.	17.05.22	GM/PD-DHPP/LA-S&R/W-160/1956-59	Tentative Cost Estimate Land In Respect of "KKH-01 Additional Land (PTB-4A Barseen )	
91.	17.05.22	GM/PD-DHPP/LA-S&R/W-160/1968-71	Tentative Cost Estimate Land In Respect of " KKH -01 Additional Land (PTB-7 )	
92.	17.05.22	GM/PD-DHPP/LA-S&R/W-160/1944-47	Tentative Cost Estimate Land In Respect of " KKH-01 Additional Land (PTB-6 Barseen )	
93.	17.05.22	GM/PD-DHPP/LA-S&R/W-160/1948-51	Tentative Cost Estimate Land In Respect of " KKH-01 Additional Land (PTB-4B )	
94.	17.05.22	GM/PD-DHPP/LA/S&R/W-100/1972-76	Possession Handing Taking Over Certificates	
95.	19.05.22	GM/PD/DHPP/S&R/E-66/2047	Self-Explanatory Application Regarding Self-Managed Relocation (SMR)	
96.	20.05.22	GM/PD/DHPP/LA-S&R/W-160/2052-55	Rectified Revenue Record in Respect of KKH-01 Additional Land (PTB-7)	
97.	23.05.22	GM/PD/DHPP/LA-S&R/W-160/579-83	Assessment of Built Up Structures of Mosque in Khata No.88 Khasra NO.147 in Area Kass-1 (File-1)	
98.	23.05.22	GM/PD/DHPP/LA-S&R/W-160/572-78	Demolition of Legitimate Built Up Structures (Khata No.12 & Khasra No.115 & 115-1	
99.	25.05.22	GM/PD/DHPP/S&R/E-66/3044	Application Regarding Self -Managed Relocation (SMR )	
100.	25.05.22	GM/PD/DHPP/LA-S&R/W-160/3028-30	Assessment Report of Forest -Non Fruit Trees In Respect of "KKH-01 Additional Land (PTB -04A )	
101.	25.05.22	GM/PD/DHPP/LA-S&R/W-160/3031-33	Assessment Report of Forest - Non Fruit Trees In Respect of "KKH-01 Additional Land (PTB -02 )	
102.	25.05.22	GM/PD/DHPP/LA-S&R/W-160/3037-39	Assessment Report of Forest -Non Fruit Trees In Respect of " KKH-01 Additional Land (PTB -04 B )	
103.	25.05.22	GM/PD/DHPP/LA-S&R/W-160/3034-36	Assessment Report of Forest -Non Fruit Trees In Respect of " KKH-01 Additional Land (PTB -05 )	
104.	25.05.22	GM/PD/DHPP/LA-S&R/W-160/ 3040-42	Assessment Report of Forest -Non Fruit Trees In Respect of "KKH-01 Additional Land ( PTB -06 )	
105.	25.05.22	GM/PD/DHPP/LA-S&R/W-160/ 3042-44	Assessment Report of Forest -Non Fruit Trees In Respect of "KKH-01 Additional Land (PTB -07 )	
106.	28.05.22	GM/PD-DHPP/LA/S&R/W-/4038-40	Revenue Record I.R.O The Component Viz Kaigah Quatty-2 Adjoining Area -59K-16M	
107.	28.05.22	GM/PD-DHPP/LA/S&R/W-100/4044-74	Possession Handing-Taking Over Certificates	
108.	28.05.22	GM/PD-DHPP/LA/S&R/W-/4040-43	Revenue Record I.R.O The Component Viz Access Road To Resettlement Site -4 (Kuz Choucrag ) Area -25K-05M-8S	
109.	28.05.22	GM/PD-DHPP/LA/S&R/W-/4051-53	Revenue Record IRO The Component Viz KKH-1 Additional Land (PTB-3)Area -00-16M	
110.	28.05.22	GM/PD/DHPP//S&R/E-29/4057-58	Nol From World Bank For Different TRP Components	
111.	31.05.22	GM/PD-DHPP/LA/S&R/W-160/603-05	Revenue Record I-R-O the Component Viz " KKH-01 Additional Land (PTB -1 ) -Area -21K-10M	
<b>1.14. Dasu-LADP</b>				
<b>Dasu Office</b>				
112.	11.05.22	GM/PD/DHPP/S&R/E-34/1789	LADP-DWS-Updated Cost Estate for Rehabilitation and Upgradation of Drinking Water Supply Facilities Dasu, Jalkot and Teyal	
113.	18.05.22	GM/PD/DHPP/S&R/E-34/ 2020-23	Bidding RFQ Documents for Design, Supply, Installation, Testing and Commissioning of Solar Lights Including Civil Work Along KKH	
114.	18.05.22	GM/PD/DHPP/S&R/E-34/ 2027-30	Bidding RFQ Documents for Design, Supply, Installation, Testing and Commissioning of Solar Lights Including Civil Work Along KKH	
115.	18.05.22	GM/PD/DHPP/S&R/E-34/ 2031-34	Bidding RFQ Documents for Supply and Installation to Computer System and Furniture for Computer Labs in Seven Schools of Kohistan UPPER	
116.	24.04.22	GM/PD/DHPP/S&R/E-34/ 3016-17	PKG-01 Procurement of Small Works - Package -1 of Priority 2 Road Schemes	
117.	31.05.22	GM/PD/DHPP/S&R/E-34/ 4077-79	Implementation Of Sanitation And Sewerage For Komila And Dasu (4077-79 )	
<b>2. From Contractors</b>				
<b>2.1. Dasu-RAR-01</b>				
<b>Dasu Office</b>				
118.	07.05.22	CCECC/PAK/DASUFILED/RAR-01/22-043	Extension of Time for Completion No.04 for RAR-01 (Re-submit)	
119.	11.05.22	CCECC/PAK/DASUFILED/RAR-01/HSE/22-033	List of Expatriate & National Staff Worker	
120.	15.05.22	CCECC/PAK/DASUFILED/RAR-01/22-WR-018	Submission of Weekly Progress Reports	
121.	22.05.22	CCECC/PAK/DASUFILED/RAR-01/22-WR-019	Submission of Weekly Progress Report RAR-01	
122.	26.05.22	CCECC/PAK/DASUFILED/RAR-01/22-044	Stoppage of the Excavation Work at Komila Bypass Due to the Presence of the Local House at ( K1+356 )	
123.	25.05.22	CCECC/PAK/DASUFILED/RAR-01/HSE/22-034	Submission of OHSMP RAR-01 Revision 07 For Approval	

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124.	27.05.22	CCECC/PAK/DASUFILED/RAR-01/22-045	Work Damaged Due to Excavation Activities by CGGC at RAR-01 (K11+00 and K11+800)	
125.	28.05.22	CCECC/PAK/DASUFILED/RAR-01/22-WR-020	Submission of Weekly Progress Reports	
126.	29.05.22	CCECC/PAK/DASUFILED/RAR-01/22-046	Agree With the Engineer's Determination On Contractor's Cost Claim For Extension of Insurance and Guarantees	
127.	30.05.22	CCECC/PAK/DASUFILED/RAR-01/22-047	Notice of Claim On Land and Social Issues Delaying Progress of Komila Bypass	
<b>2.2. Dasu-RAR-02</b>				
<b>Dasu-Office</b>				
128.	03.05.22	CGGC/RAR-02/ED/DHC-283	Blasting Plan in Next Week of RAR-02 (2022.05.02-2022.05.08)	
129.	03.05.22	CGGC/RAR-02/ED/DHC-284	Weekly Progress Report of RAR-02 (2022.04.25-2022.05.01)	
130.	04.05.22	CGGC/RAR-02/TD/DHC-285	Submission of Proposal of RAR-02 Road Construction Heavy Machinery Transportation	
131.	05.05.22	CGGC/RAR-02/ED/DHC-286	Report on the Imminent Shutdown of Various Parts of the Site	
132.	07.05.22	CGGC/RAR-02/ED/DHC-287	Report on Lack of Oil Affecting Site Construction	
133.	07.05.22	CGGC/RAR-02/HRD/DHC-288	Submission of Staff Information List	
134.	08.04.22	CGGC/RAR-02/ED/DHC-289	Report on the Delay in Land Handover	
135.	09.05.22	CGGC/RAR-02/ED/DHC-290	Blasting Plan in Next of RAR-02 (2022.05.09-2022.05.12)	
136.	09.05.22	CGGC/RAR-02/ED/DHC-291	Weekly Progress Report of RAR-02 (2022.05.02-2022.05.08)	
137.	10.05.22	CGGC/RAR-02/CD/DHC-292	Notice to the Claim due to the Lack of Fuel	
138.	11.05.22	CGGC/RAR-02/PD/DHC-293	Submission of Explosive Record to the Engineer	
139.	11.05.22	CGGC/RAR-02/PD/DHC-294	Submission of Explosive Record to the Engineer	
140.	16.05.22	CGGC/RAR-02/ED/DHC-295	Blasting Plan in Next Week of RAR-02	
141.	16.05.22	CGGC/RAR-02/QAQC/DHC-296	Submission of update Quality Management Plan for RAR-02	
142.	16.05.22	CGGC/RAR-02/QAQC/DHC-297	Selection of the Sole Member for the DB of the RAR-02 Contract	
143.	16.05.22	CGGC/RAR-02/ED/DHC-298	Weekly Progress Report of RAR-02 (2022.05.09-2022.05.15)	
144.	17.05.22	CGGC/RAR-02/CD/DHC-299	Proposal of RAR-02 Road Construction Heavy Machinery Transportation.RAR-02	
145.	19.05.22	CGGC/RAR-02/TD/DHC-300	Submission of the List of Method Statement of RAR-02	
146.	23.05.22	CGGC/RAR-02/ED/DHC-301	Blasting Plan in Next Week of RAR-02	
147.	22.05.22	CGGC/RAR-02/ED/DHC-302	Weekly Progress Report of RAR-02	
148.	21.05.22	CGGC/RAR-02/ED/DHC-303	Monthly Progress Report RAR-02	
149.	26.05.22	CGGC/RAR-02/ED/DHC-305	Report on the Inability to Transport Supplies Due to the Islamabad Parade	
150.	27.05.22	CGGC/RAR-02/CD/DHC-304	RAR-02 C-02 IED Blast Incident On 14 July -2021	
151.	26.05.22	CGGC/RAR-02/HSED/DHC-306	NCR RAR-02/OHS-22-01	
152.	28.05.22	CGGC/RAR-02/FD/WAPDA-4	Authority to Collect Performance Security	
153.	29.05.22	CGGC/RAR-02/ED/DHC-307	Weekly Progress Report Of RAR-02	
154.	30.05.22	CGGC/RAR-02/ED/DHC-308	Blasting Plan Next Week Of RAR-02	
<b>2.3. Dasu-KKH-01</b>				
<b>Dasu Office</b>				
155.	07.05.22	CCECC/PAK/DASUFIELD/KKH-01&RAR-01/22-001	Contractors Representatives (CCECC Dasu)	
156.	07.05.22	CCECC/PAK/DASUFIELD/KKH-01/22-040	Required Relocation of Crushing Plant at Uchar Bridge KKH-01	
157.	09.05.22	CCECC/PAK/DASUFIELD/KKH-01/22-041	Source Approval of Jiashang Plastic Industry	
158.	12.05.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-058	Lists of Expatriate and National Staff Employees Workers	
159.	16.05.22	CCECC/PAK/DASUFIELD/KKH-01/-22-042	Request for Format of Performance Guarantee and Advance Payment Guarantee for Increased Contract Value after VO-005 Signed	
160.	16.05.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-059	Fortnightly Explosive Record, 01-15 May, 2022	
161.	16.05.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-060	Implementation of ECP-13, Related to Protection of Fauna	
162.	23.05.22	CCECC/PAK/DASUFIELD/KKH-01/-22-043	Approval of JIASHANG Plastic Industry as a Source KKH-01	
163.	24.05.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-061	Request for Security Personnel for Chinese Camp at Khushie K-9	
164.	25.05.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-062	Submission of OHSMP Revision 05 for Approval	
165.	30.05.22	CCECC/PAK/DASUFIELD/KKH-01/-22-044	Agree With the Engineer's Determination On Contractor's Cost Claim for Extension of Insurance and Guarantees	
166.	31.05.22	CCECC/PAK/DASUFIELD/KKH-01/HSE-22-063	Stoppage of CCECC Employees and Machineries on KKH for Security Reasons	
<b>2.4. Dasu-KKH-02</b>				
<b>Dasu Office</b>				
167.	03.05.22	CGGC/KKH-02/TD/DHC-128	Request to Acquire the Land for Spoil Dumping Site of KKH-02	
168.	06.05.22	CGGC/KKH-02/CD/DHC-129	Request to Hand Over the Land of KKH-02	
169.	06.05.22	CGGC/KKH-02/CD/DHC-130	Request to Provide Relevant Documents to the Contractors Prior to Issuance of Commencement Notification	
170.	06.05.22	CGGC/KKH-02/ED/DHC-131	Request to Removal of Houses at Chainage K41+300 and K33+000 of KKH-02	
171.	06.05.22	CGGC/KKH-02/TD/DHC-132	Urgent Request of Acquire the Land for Contractors Camp No 3 of KKH-02	
172.	07.05.22	CGGC/KKH-02/HRD/DHC-133	Submission of Staff Information List	
173.	10.05.22	CGGC/KKH-02/CD/DHC-134	Notice to the Claim due to the Lack of Fuel	

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174.	10.05.22	CGGC/KKH-02/ED/DHC-135	Report of Work Hindrance on Access Road	
175.	16.05.22	CGGC/KKH-02/CD/DHC-136	Selection of the Sole Member for the DB of the KKH-02 Contract	
176.	18.05.22	CGGC/KKH-02/TD/DHC-137	Submission of General Description of Construction Methodology (Revision-01) of KKH-02	
177.	19.05.22	CGGC/KKH-02/ED/DHC-138	The Reply of Contractors Obligation to Obtain Land for Camp Area and Other Temporary Facilities.KKH-02	
178.	21.05.22	CGGC/KKH-02/QA/QC/DHC-139	Submission of Update Quality Management Plan for KKH-02	
179.	22.05.22	CGGC/KKH-02/ED/DHC-140	Request to Acquire the land for Access Road of KKH-02	
180.	22.05.22	CGGC/KKH-02/TD/DHC-141	Submission of Method Statement List of KKH-02	
181.	22.05.22	CGGC/KKH-02/ED/DHC-142	The Reply to Report of Work hindrance on Access Road KKH-02	
182.	25.05.22	CGGC/KKH-02/ED/DHC-143	The Reply to KKH-02 Construction of Barracks at Kaigah Camp	
183.	28.05.22	CGGC/KKH-02/ED/DHC-144	The Reply To Rock Blasting Without Taking Adequate Precaution	
184.	30.05.22	CGGC/KKH-02/ED/DHC-145	Blasting Plan In Next Week Of KKH-02	
<b>2.5. Dasu-TL-01</b>				
<b>Dasu Office</b>				
185.	12.05.22	PC/Dasusite/TL-01/2022-071	Data List of In-Migrants Pak Workforce & Daily Wagers Data for the Month of April, 2022	
186.	12.05.22	PC/Dasusite/TL-01/2022-072	Submission of List of Vehicles for the Month of April, 2022	
187.	12.05.22	PC/Dasusite/TL-01/2022-073	Reminder-2 Row Issues of Transmission Line & Grid Station	
188.	13.05.22	PC/Dasusite/TL-01/2022-074	Submission of Weekly Progress Report	
189.	14.05.22	PC/Dasusite/TL-01/2022-075	Submission of Welding and Stringing Inspection form for Approval	
190.	15.05.22	PC/Dasusite/TL-01/2022-076	Submission of 66th HSE Report for the Month of April, 2022	
191.	16.05.22	PC/Dasusite/TL-01/2022-077	Submission of Construction Schedule for Extension of Time (EOT-4)	
192.	16.05.22	PC/Dasusite/TL-01/2022-078	RoW Issue at T110A	
193.	16.05.22	PC/Dasusite/TL-01/2022-079	Reminder-1 RoW Issue at T130A due to tree Compensation	
194.	17.05.22	PC/Dasusite/TL-01/2022-080	Submission of Monthly Progress Report for April 2022	
195.	17.05.22	PC/Dasusite/TL-01/2022-081	Submission of Weekly Progress Report	
196.	19.05.22	PC/Dasusite/TL-01/2022-082	Submission of Approved Indoor Cable Trench Drawing of Grid Station.TL-01	
197.	19.05.22	PC/Dasusite/TL-01/2022-083	Stealing of Tower Material from Already Erected Tower.TL-01	
198.	22.05.22	PC/Dasusite/TL-01/2022-084	Provision of SCOM Mobile Phone Sims.TL-01	
199.	24.05.22	PC/Dasusite/TL-01/JS/22-004	Commercial Invoice for Interim Payment.TL-01	
200.	23.05.22	PC/Dasusite/TL-01/2022-085	Submission of Weekly Progress Report TL-01	
201.	24.05.22	PC/Dasusite/TL-01/2022-086	Notice to Claim Idle Resources at Grid Station.TL-01	
202.	25.05.22	PC/Dasusite/TL-01/2022-087	Submission of OHS Staff Details.TL-01	
203.	26.05.22	PC/Dasusite/TL-01/2022-088	Call for Inspection of Tower Material.TL-01	
204.	27.05.22	PC/Dasusite/TL-01/2022-089	Police Clearance Certificates of Pakistani Staff	
205.	27.05.22	PC/Dasusite/TL-01/2022-090	Revision of Schedule for Inspection of Tower Material	
206.	29.05.22	PC/Dasusite/TL-01/2022-091	Application for Provision of Explosive License (EL-04 )	
207.	31.05.22	PC/Dasusite/TL-01/2022-092	Submission of Weekly Progress Report	
208.	31.05.22	PC/Dasusite/TL-01/2022-093	Row Issues At T149-T155 (Shaikh Banda)	
209.	31.05.22	PC/Dasusite/TL-01/2022-094	Power Transformer At Ghazi Barotha	
210.	31.05.22	PC/Dasusite/TL-01/2022-095	Handing Over of Remaining 20 Meter Land for Access Road of Grid Station	
211.	31.05.22	PC/Dasusite/TL-01/2022-096	Submission of Construction Schedule for Extension of Time (EOT 4 )	
<b>2.6. Dasu-MW-01</b>				
<b>Dasu-Office</b>				
212.	03.05.22	CGGC/MW-01/ED/DHC-2199	Blasting Plan in Next Week of MW-02 (2022.05.02-2022.05.08)	
213.	03.05.22	CGGC/MW-01/ED/DHC-2200	Weekly Progress Report of MW-01 (2022.04.25-2022.05.01)	
214.	03.04.22	CGGC/MW-01/TD/DHC-2201	Submission of the Inspection and Test Procedures of Diversion Gate Guide Frames Installation R1 (HSS)	
215.	03.05.22	CGGC/MW-01/TD/DHC-2202	Submission of the Revised Contract Programme R4-D11 of MW-01	
216.	04.05.22	CGGC/MW-01/CD/DHC-2203	Contract MW-01 - Award of Extension of the Time for Completion	
217.	05.05.22	CGGC/MW-01/CD/DHC-2204	Report on the Imminent Shutdown of Various Parts of the Site	
218.	06.05.22	CGGC/MW-01/TD/DHC-2205	Submission of Mix Design of 90-120mm Slump Concrete and M10 Mortar with Fauji OPC Cement	
219.	06.05.22	CGGC/MW-01/TD/DHC-2206	Submission of Method Statement of Left Bank Traffic Diversion Tunnel Outlet Excavation and Support	
220.	05.05.22	CGGC/MW-01/FD/DHC-2207	Request for the Payment of 27 Interim Payment Certificate	
221.	07.05.22	CGGC/MW-01/ED/DHC-2208	Report on Lack of Oil Affecting Site Construction	
222.	08.04.22	CGGC/Dasu/HPP/131	DB Referral D01 Tender Discount - Response on the Employers Position Papers	
223.	07.05.22	CGGC/MW-01/HRD/DHC-2210	Submission of Staff Information List	
224.	08.05.22	CGGC/MW-01/ED/DHC-2211	Report on the Delay in Land Handover	
225.	09.05.22	CGGC/MW-01/ED/DHC-2209	Blasting Plan in Next of MW-01 (2022.05.09-2022.05.12)	
226.	09.05.22	CGGC/MW-01/ED/DHC-2212	Weekly Progress Report of MW-01 (2022.05.02-2022.05.08)	
227.	10.05.22	CGGC/MW-01/ED/DHC-2213	Report on the Impact of Dumped Material from other Contracts on the Right Bank	
228.	09.05.22	CGGC/MW-01/CD/DHC-2214	COVID-19 Submission of Interim Claim Content & Scope Direct Costs for the Period up to 28 February 2022	
229.	10.05.22	CGGC/MW-01/CD/DHC-2215	Notice to the Claim due to the Lack of Fuel	



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230.	11.05.22	CGGC/MW-01/PD/DHC-2216	Submission of Explosive Record to the Engineer	
231.	11.05.22	CGGC/MW-01/PD/DHC-2217	Submission of Explosive Record to the Engineer	
232.	11.05.22	CGGC/MW-01/PD/DHC-2218	Submission of Explosive Record to the Engineer	
233.	11.05.22	CGGC/MW-01/TD/DHC-2219	Submit Calculations and Schematic Diagram of Top Arch Pouring for Diversion Tunnel Inlet	
234.	12.05.22	CGGC/MW-01/TD/DHC-2220	The Convergence Measurement Data of MW-01 in April 2022	
235.	12.05.22	CGGC/MW-01/TD/DHC-2221	Submission of Calculation of Trunnion Pin and Hub and Responds to the Comments on Spillway Radial Gate Seismic Analysis D5 (HSS)	
236.	13.05.22	CGGC/MW-01/PD/DHC-2222	Submission of Mian Material Suppliers Information to the Engineer	
237.	10.05.22	CGGC/MW-01/HSED/DHC-2223	Incident Investigation Report	
238.	10.05.22	CGGC/MW-01/HSED/DHC-2224	Incident Investigation Report	
239.	17.05.22	CGGC/MW-01/CD/DHC-2225	Request for the response on the Legal Opinion on the Provisional Sum	
240.	17.05.22	CGGC/MW-01/CD/DHC-2226	Request for the response on the Legal Opinion on the PST	
241.	16.05.22	CGGC/MW-01/ED/DHC-2227	Blasting Plan in Next Week of MW-01	
242.	16.05.22	CGGC/MW-01/ED/DHC-2228	Report on Responses to Requests for Data on Logistics and Traffic Management	
243.	15.05.22	CGGC/MW-01/TD/DHC-2229	Submission of Revised the Supplementary Method Statement of Concrete Lining of Diversion Tunnel Invert (D2)	
244.	16.05.22	CGGC/MW-01/CD/DHC-2230	Submission of The Statement Application for IPC29 of MW-01	
245.	16.05.22	CGGC/MW-01/ED/DHC-2231	Weekly Progress Report of MW-01 (2022.05.09-2022.05.15)	
246.	17.05.22	CGGC/MW-01/ED/DHC-2232	Report on the Obstructions During the Construction of the Temporary Fence at the Kass Camp	
247.	17.05.22	CGGC/MW-01/ED/DHC-2233	Payment of Hire Charges for Helicopter Services	
248.	20.05.22	CGGC/MW-01/HRD/DHC-2234	Reply on the Request of DHPP Police Clearance of All Pakistani Staff Working Under DHPP	
249.	20.05.22	CGGC/MW-01/TD/DHC-2235	Submission of the Fence Construction in KASS Camp	
250.	22.05.22	CGGC/MW-01/TD/DHC-2236	Submission of BESTWAY Third Party Test Reports and Third Party Test Plan.MW-01	
251.	21.05.22	CGGC/MW-01/FD/DHC-2237	Submission of the New Commercial Invoice of IPC 27 MW-01	
252.	23.05.22	CGGC/MW-01/ED/DHC-2238	Blasting Plan in Next Week of MW-01	
253.	22.05.22	CGGC/MW-01/TD/DHC-2241	Submission of Revising the Supplementary Method Statement of Concrete Lining of Diversion Tunnel Invert (D3).MW-01	
254.	22.05.22	CGGC/MW-01/CD/WAPDA-56	Landslide Event in January 2019- DBs Opinion on the Validity of the Notice.MW-01	
255.	22.05.22	CGGC/MW-01/ED/DHC-2239	Weekly Progress Report of MW-01	
256.	21.05.22	CGGC/MW-01/ED/DHC-2240	22.05.22-2125-Weekly Progress Report of MW-01 (2239)	
257.	22.05.22	CGGC/MW-01/FD/DHC-2242	Request for the Payment of 28 # Interim Payment Certificate of ICB No.MW-01	
258.	26.05.22	CGGC/MW-01/TD/DHC-2244	Monthly Plan for Material Testing from Third party Lab	
259.	26.05.22	CGGC/MW-01/TD/DHC-2245	Submission of the Results and Temporary Recommended RCC Construction Mix Design In the Second Phase ( 365d Report )	
260.	26.05.22	CGGC/MW-01/ED/DHC-2246	Report on the Inability to Transport Supplies Due to the Islamabad Parade (MW-01 )	
261.	27.05.22	CGGC/MW-01/TD/DHC-2247	Proposal of Power Supply Uchar 1# Batch and 1# Crushing Plant	
262.	27.05.22	CGGC/MW-01/CD/DHC-2243	MW-01-C-14 IED Blast Incident on 14 July 2021	
263.	26.05.22	CGGC/MW-01/ED/DHC-2249	Report On Slow Construction Due To Incomplete Handover Of Kass Camp Land	
264.	28.05.22	CGGC/MW-01/ED/DHC-2250	Report On The Road Hindrance Of The Right Bank Cable Platform	
265.	28.05.22	CGGC/MW-01/ED/DHC-2251	Reply to The Letter Confirming The Army Address In The Kass Area	
266.	28.05.22	CGGC/MW-01/ED/DHC-2252	Letter On The Agreement Between The Employer And The local Landlord To Interfere With The Contractors Construction	
267.	30.05.22	CGGC/MW-01/CD/DHC-2248	Commercial Proposal of Power Supply System for Uchar 1 # Batch Plant and 1# Crushing Plant	
268.	30.05.22	CGGC/MW-01/ED/DHC-2253	Report On the Work Hindrance In Chinese Camp In the KASS Area	
269.	30.05.22	CGGC/MW-01/ED/DHC-2254	Blasting Plan In Next Week Of MW-01	
270.	29.05.22	CGGC/MW-01/ED/DHC-2255	Weekly Progress Report of MW-01	
<b>2.7. Dasu-MW-02</b>				
<b>Dasu-Office</b>				
271.	03.05.22	CGGC/MW-02/ED/DHC-1542	Blasting Plan in Next Week	
272.	03.05.22	CGGC/MW-02/ED/DHC-1543	Weekly Progress Report of MW-02 (2022.04.25-2022.05.01)	
273.	03.05.22	CGGC/MW-02/TD/DHC-1544	Submission of the Revised Contract Programme of R5-D10 of MW-02	
274.	04.05.22	CGGC/MW-02/CD/DHC-1545	Contract MW-02 - Award of Extension of the Time for Completion	
275.	05.05.22	CGGC/MW-02/ED/DHC-1546	Report on the Imminent Shutdown of Various Parts of the Site	
276.	05.05.22	CGGC/MW-02/FD/DHC-1547	Request for the Payment of 27 Interim Payment Certificate	
277.	07.05.22	CGGC/MW-02/ED/DHC-1548	Report on Lack of Oil Affecting Site Construction	
278.	08.05.22	CGGC/MW-02/TD/DHC-1549	Use of Type III Cement on Post-tensioned Rock Anchors Grouting	
279.	07.04.22	CGGC/MW-02/HRD/DHC-1550	Submission of Staff Information List	
280.	08.04.22	CGGC/MW-02/TD/DHC-1551	Report on the Delay in Land Handover	
281.	09.05.22	CGGC/MW-02/ED/DHC-1552	Blasting Plan in Next of MW-02 (2022.05.09-2022.05.12)	
282.	09.05.22	CGGC/MW-02/ED/DHC-1553	Weekly Progress Report of MW-02 (2022.05.02-2022.05.08)	
283.	09.05.22	CGGC/MW-02/CD/DHC-1554	COVID-19 Submission of Interim Claim Content & Scope Direct Costs for the Period up to 28 February 2022	

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284.	09.05.22	CGGC/MW-02/TD/DHC-1555	The Method Statement Regarding the Plate Load Test (D5)	
285.	10.05.22	CGGC/MW-02/TD/DHC-1556	Notice to the Claim due to the Lack of Fuel	
286.	11.05.22	CGGC/MW-02/PD/DHC-1557	Submission of Explosive Record to the Engineer	
287.	11.05.22	CGGC/MW-02/PD/DHC-1558	Submission of Explosive Record to the Engineer	
288.	11.05.22	CGGC/MW-02/PD/DHC-1559	Submission of Explosive Record to the Engineer	
289.	12.05.22	CGGC/MW-02/TD/DHC-1560	The Convergence Measurement Data of MW-02 in April 2022	
290.	12.05.22	CGGC/MW-02/TD/DHC-1560	Submission of the Draft Tunnel Work Adit Geological Mapping	
291.	13.05.22	CGGC/MW-02/TD/DHC-1562	Submission of Main Material Suppliers Information to the Engineer	
292.	10.05.22	CGGC/MW-02/TD/DHC-1563	Incident Investigation Report	
293.	16.05.22	CGGC/MW-02/ED/DHC-1566	Blasting Plan in Next Week of MW-02	
294.	15.05.22	CGGC/MW-02/EMD/DHC-1567	Submission of the Overall Method Statement for Penstock Transportation and Installation R2 (HSS)	
295.	17.05.22	CGGC/MW-02/CD/DHC-1564	Request for the response on the Legal Opinion on the PST	
296.	17.05.22	CGGC/MW-02/CD/DHC-1565	Request for the response on the Legal Opinion on the Provisional Sum	
297.	16.05.22	CGGC/MW-02/CD/DHC-1568	Submission of The Statement Application for IPC29 of MW-02	
298.	16.05.22	CGGC/MW-02/ED/DHC-1569	Weekly Progress Report of MW-02 (2022.05.09-2022.05.15)	
299.	19.05.22	CGGC/MW-02/TD/DHC-1570	Letter of Explanation of the Stability of Switchyard Slope.MW-02	
300.	20.05.22	CGGC/MW-02/TD/DHC-1571	Submission of the Proposal for Excavation of Trench at the Intake EL.964 to Intercept Rock fall	
301.	20.05.22	CGGC/MW-02/TD/DHC-1572	Submission of Method Statement of Excavation and Support of Tailrace Surge Chambers Vault Tunnel (R2)	
302.	21.05.22	CGGC/MW-02/TD/DHC-1573	Submission of the New Commercial Invoice of IPC27 MW-02	
303.	22.05.22	CGGC/MW-02/ED/DHC-1574	Blasting Plan of MW-02	
304.	22.05.22	CGGC/MW-02/CD/WAPDA-31	Landslide Event January 2019- DBs Opinion on the Validity of the Notice for MW-01 Request for a Consent Decision on MW-02	
305.	22.05.22	CGGC/MW-02/ED/DHC-1575	Weekly Progress Report of MW-02	
306.	21.05.22	CGGC/MW-02/ED/DHC-1576	Monthly Progress Report MW-02	
307.	22.05.22	CGGC/MW-02/ED/DHC-1577	Request for the Payment of 28 # Interim Payment Certificate of ICB No.MW-02	
308.	25.05.22	CGGC/MW-02/TD/DHC-1579	Submit the Test Record of Rocks for Petrographic Analysis Test In Third Party	
309.	27.05.22	CGGC/MW-02/TD/DHC-1578	MW-02-C-12 IED Blast Incident on 14 July 2021	
310.	26.05.22	CGGC/MW-02/CD/DHC-1580	Report On the Inability to Transport Supplies Due to the Islamabad Parade (MW-02 )	
311.	28.05.22	CGGC/MW-02/HSED/DHC-1581	Revised OHSMP For MW-02,MW-01,RAR-02,KKH-02	
312.	26.05.22	CGGC/MW-02/HSED/DHC-1582	NCR MW-02-OHS-22-01	
313.	29.05.22	CGGC/MW-02/HSED/DHC-1584	Weekly Progress Report of MW-02 (1584 )	
<b>2.8. Dasu-LBRV-11</b>				
<b>Dasu-Office</b>				
314.	01.05.22	ZEG/DHC/LBRV-11/22-52	Omission of Work Related to Non-Handed Over Sites	
315.	10.05.22	ZEG/DHC/LBRV-11/22-53	Submission of Fourteenth Interim Idle Claim due to Disruption Works Stoppage by Local Community at Khoshee Site-2 Link-2	
316.	11.05.22	ZEG/DHC/LBRV-11/22-54	Provision of Updated Staff List	
317.	14.05.22	ZEG/DHC/LBRV-11/22-55	Extension of Advance Payment Bank Guarantee	
318.	17.05.22	ZEG/DHC/LBRV-11/22-56	Submission of Quotation of Plastic Water Tank	
319.	18.05.22	ZEG/DHC/LBRV-11/22-57	Submission of Rate Analysis for Plastic Water Tank (Non BoQ Item)	
<b>2.9. Dasu-LBRV-12</b>				
<b>Dasu-Office</b>				
320.	14.05.22	ZEG/DHC/LBRV-12/22-15	Extension of Advance Payment Bank Guarantee	
321.	18.05.22	ZEG/DHC/LBRV-12/22-16	Submission of Rate Analysis for Plastic Water Tank (Non BoQ Item)	
322.	26.05.22	ZEG/DHC/LBRV-12/22-05	Request for Payment of IPC No.8 for LBRV-12	
<b>2.10. Dasu-RBRV-12</b>				
<b>Dasu-Office</b>				
323.	01.05.22	ZEG/DHC/LBRV-12/22-14	Omission of Work Related to Non-Handed Over Sites	
<b>2.11. PCI-01R</b>				
<b>Dasu- Office</b>				
324.	10.05.22	CGICOP-DASU-PCI-01R-PO-1436	VO#06 HDPE Overhead Water Tanks for Project Office & Residence Category-1	
325.	11.05.22	CGICOP-DASU-PCI-01R-PO-1437	Engineers Employers Request for Meeting Sub-Clause 15.1 Notice to Correct	
326.	14.05.22	CGICOP-Dasu-PCI-01R-PO-1438	Revised Contractors Response –Sub clause 15.1 Notice of Correction	
327.	14.05.22	CGICOP-Dasu-PCI-01R-PO-1439	Submission of Samples of LED Surface & Tube Lights	
328.	14.05.22	CGICOP-Dasu-PCI-01R-PO-1440	Monthly Progress Report for the Month of April, 2022	
329.	15.05.22	CGICOP-Dasu-PCI-01R-PO-1441	Monthly Report for April 2022 of Basic Health Clinic	
330.	17.05.22	CGICOP-Dasu-PCI-01R-PO-1442	Request for Payment IPC NO.30	
331.	17.05.22	CGICOP-Dasu-PCI-01R-PO-1443	Update Selection of PPI Switches for Wapda Project Office	
332.	17.05.22	CGICOP-Dasu-PCI-01R-PO-1444	Request for Approval Telephone DB Manufacturer Drawing WAPDA Office	
333.	18.05.22	CGICOP-Dasu-PCI-01R-PO-1445	Request for Approval Ethernet & Data communications Devices Brand & Supplier Installation Details	
334.	20.05.22	CGICOP-Dasu-PCI-01R-PO-1447	Submission of Samples & Data Sheet of LED Tube Lights.PCI-01R	

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335.	22.05.22	CGICOP-Dasu-PCI-01R-PO-1448	Submission of Resource Loaded Programme for Project Office & Residence Category-1	
336.	23.05.22	CGICOP-Dasu-PCI-01R-PO-1449	Delay Due to Engineers Withdrawal of Its Instruction for Paint Works in Priority Building.PCI-01R	
337.	31.05.22	CGICOP-Dasu-PCI-01R-PO-1451	Submission of Additional Cost ( VO # 27 ) Supply & Fixing of Curtain Wall System	
<b>32.12 Dasu RV</b>				
<b>Dasu Office</b>				
338.	11.05.22	KGL/Dasu-RV/22-123	Pending Decisions Regarding Execution of Work	
339.	12.05.22	KGL/Dasu-RV/22-124	Prolongation and Idle Cost Claim	
340.	12.05.22	KGL/Dasu-RV/22-125	Stoppage of Work	
341.	13.05.22	KGL/Dasu-RV/22-126	Development of Staff	
342.	18.05.22	KGL/Dasu-RV/22-127	2nd Extension of Time	
343.	23.05.22	KGL/Dasu-RV/22-128	Proposal for Design Supply Installation Testing and Commissioning of Diesel Generator for Project Office and Category 1 & 2 Houses at Project Colony. RV	
344.	28.05.22	KGL/Dasu-RV/22-129	Defect Liability certificate	
<b>2.13 Dasu EM-01</b>				
<b>Dasu Office</b>				
345.	06.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0146	Reply for the Detail Design Drawing of Upper Pit Liner and Air Admission Submission for Approval	
346.	07.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0147	Dasu Generator Stator Winding Assembly, Rotor Lead Assembly, Grounding System for Approval	
347.	07.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0148	GE Reply for 072-12.07.22-Dasu Generator Slip Ring Assembly for Approval	
348.	07.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0128	Dasu Site Camp Land Handover	
349.	09.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0145	Notice of Additional Cost Due to Change in Laws and Regulations under Contract	
350.	10.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0149	Contractors Environmental Action Plan (CEAP).EM-01	
351.	13.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0150	GE Reply for 100-30.09.21-GE Reply Dasu Generator Electrical and Ventilation Calculation	
352.	12.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0151	Advance Payment for Local Currency Portion	
353.	12.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0152	Monthly Progress Reports and Other Reports	
354.	12.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0153	Effective Management of Incoming and Outgoing Correspondence	
355.	13.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0154	Reply for Foundation & Anchorage of Spiral Case and Stay Ring Submission for Approval	
356.	12.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0155	Resource Loaded Schedule of EM-01 Contract Reminder Contractor Reply	
357.	13.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0156	Re-Submission of Protection Single Line Diagram and Protection Management System Configuration	
358.	13.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0157	Delayed Approval for List of Contractors Technical Drawings	
359.	13.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0159	Delayed Approval for Contractors Drawings of Distributor Head Cover, Bottom Ring, Guide Vane and Operating Ring for Approval	
360.	13.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0160	Submission of Revised Dasu Powerhouse Cavern Equipment Arrangement Drawing	
361.	16.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0158	Turbine Instrument P&ID as Built Submission for Approval & Stamp	
362.	16.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0161	Delayed Approval for Contractors Drawings of Lower Pit Liner GA for Approval	
363.	16.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0162	Delayed Approval for Contractors Drawings of Distributor Assembly and Shaft Seal for Approval	
364.	16.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0163	Reply to Internal Alignment on Protection System	
365.	17.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0165	Request for Meeting with Employer WADPAs Director & Finance	
366.	17.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0167	Rotor Spider Assembly and Stator Foundation for Approval	
367.	18.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0169	Submission of Boundary Wall Design of the Contractors Camp	
368.	19.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0168	Submit the Updated Key Drawing List.EM-01	
369.	23.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0166	Contractors Representative.EM-01	
370.	23.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0173	Notice to Prepare the Final Claim for the Delayed Handover of Camp Area by Two Stages.EM-01	
371.	23.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0174	Request to Provide Security Forces to the Temporary Residence of the Contractor.EM-01	
372.	24.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0175	Submission of Retaining Wall Drawing and Design Calculation.EM-01	
373.	24.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0176	The Interface Request About the DAM Control For CSCS.EM-01	
374.	25.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0171	Comments on Master Plan of Contractors Camp and Submission of Revised Construction Schedule Rev.4.EM-01	
375.	25.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0172	Removal of Demolished Material from Camp Area.EM-01	
376.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0164	Reply for Draft Tube Elbow , Anchorage and Air Admission Submission for Approval	
377.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-	Reply to Change Proposal On Excitation AVR Upgraded from EXC	

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		0170	9100 to EXC 9200	
378.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0177	Reply for Letter sn 22-22-122 About the Auto Silt Monitoring	
379.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0178	Reminder On Delayed Approval for Contractor's Commercial Letters	
380.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0180	Submission of Revised Retaining Wall Drawing and Design Calculation	
381.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0185	Reminder for Dasu Stator Assembly , Rotor Assembly , Collector Static Parts Arrangement for Approval	
382.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0186	Reminder for Dasu Generator Stator Winding Assembly , Rotor Lead Assembly Grounding System for Approval	
383.	30.05.22	Dasu-EM-01-LET-JV-WAPDA /DHC-2022-0187	Reminder for Dasu Modification the Doc. Status of Generator PID for Approval	
<b>2.13 Dasu SA-01</b>				
<b>Dasu Office</b>				
384.	11.05.22	KGL/Dasu-SSKD/22-27	Approval of Contact Program for Sanitation and Sewerage System for Komila and Dasu	
385.	14.05.22	KGL/Dasu-SSKD/22-28	Approval of Drawings and Center Point Coordinates	
386.	16.05.22	KGL/Dasu-SSKD/22-29	Meeting with Design Engineer	
387.	23.05.22	KGL/Dasu-SSKD/22-30	Meeting with Design Engineer and Minutes of Meeting	
388.	26.05.22	KGL/Dasu-SSKD/22-31	Submission of Topographic Survey	
389.	31.05.22	KGL/Dasu-SSKD//108	Project Manager Jalal Uddin	
<b>2.14 Dasu RB-014</b>				
<b>Dasu Office</b>				
390.	14.05.22	IKAN/WAPDA/Jalkot/178	Submission of Prolongation & Idling Cost of (EOT-II)	
391.	14.05.22	IKAN/WAPDA/Jalkot/179	Submission of Interim Payment Certificate-06	
392.	31.05.22	IKAN/WAPDA/Jalkot/180	Prolongation Cost Of ( EOT-1 )	
<b>2.15 Dasu LADP-MI-1</b>				
<b>Dasu Office</b>				
393.	11.05.22	KGL/Dasu-RHC/22-192	Response on Residence Type A Electrical Works	
394.	11.05.22	KGL/Dasu-RHC/22-193	Remaining Site Possession	
395.	12.05.22	KGL/Dasu-RHC/22-194	External Electrical Works	
396.	12.05.22	KGL/Dasu-RHC/22-195	Handling and Taking Over RHC Dismantled Items	
397.	13.05.22	KGL/Dasu-RHC/22-196	Development of Staff	
398.	19.05.22	KGL/Dasu-RHC/22-197	General BOQ Items	
399.	22.05.22	KGL/Dasu-RHC/22-198	Car Parking Shed	
<b>2.16 Dasu LADP-MI-2</b>				
<b>Dasu Office</b>				
400.	13.05.22	KGL/Dasu-JMK/22-83	Submission of Monthly Progress Report	
401.	14.05.22	KGL/Dasu-JMK/22-84	Roof Treatment	
402.	17.05.22	KGL/Dasu-JMK/22-86	Early Waring Under Clause 31	
403.	17.05.22	KGL/Dasu-JMK/22-87	Submission of Revise Drawing of Minaret and New Retaining Wall at Madrasa Portion	
404.	21.05.22	KGL/Dasu-JMK/22-88	Request for Inspection of Solid Blocks	
405.	22.05.22	KGL/Dasu-JMK/22-89	Approval List of Construction Material Sources and Manufactures.MI-2	
406.	31.05.22	KGL/Dasu-JMK/22-90	Provision of Metal Lath (Wire Mesh ) In Plaster Work	
<b>2.17 Dasu LADP-PKG-01</b>				
<b>Dasu Office</b>				
407.	11.05.22	Project/LADP/PKG1/0001	Submission of Performance Security Guarantee # 1302LBG220466	
408.	11.05.22	Project/LADP/PKG1/0002	Submission of Performance Security Guarantee # 1302LBG220467	
409.	11.05.22	Project/LADP/PKG1/0003	Submission of Performance Security Guarantee # 1302LBG220458	
410.	11.05.22	Project/LADP/PKG1/0004	Appointment of Contractors Representative - Project Manager	
411.	11.05.22	Project/LADP/PKG1/0005	Change of Address for Future Correspondence	
412.	11.05.22	Project/LADP/PKG1/0006	Submission of Mobilization Schedule	
413.	13.05.22	Project/LADP/PKG1/0007	Submission of Contractors Environmental and Social Management Plan	
414.	16.05.22	Project/LADP/PKG1/0008	Submission of Baseline Schedule Work Program	
415.	22.05.22	Project/LADP/PKG1/0009	Submission of C.V of ESHS Officer	
416.	28.05.22	Project/LADP/PKG1/0010	Submission of Mobilization Advance Guarantee	
417.	28.05.22	Project/LADP/PKG1/0011	Submission of Hard and Soft Copies of Contract	



### 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.	11.05.22	DHC/LHR/WAPDA/GEN/zuh /22-066	Request for Approval of Mr. Rana Waris Ali against TBN Position of Sr Geologist (NP29)	
2.	16.05.22	DHC/LHR/WAPDA/GEN/zuh /22-067	Request for Approval of Mr. Sheraz Khan against Re-designated Position of Principal Bridge Engineer to Principal Contract Engineer (E&M) L98	
3.	16.05.22	DHC/LHR/WAPDA/GEN/zuh /22-068	Request for Approval of Mr. Yasir Iqbal for the Position of Sr. Site/Design Engineer (Infrastructure-2, PH Control Build) L24 as a Replacement of Mr. Saqib Mir	
4.	18.05.22	DHC/LHR/WAPDA/GEN/mkk /22-069	Request for Extension in Multiple Entry Visa of Mr. Birol Murat Erdolu	
5.	25.05.22	DHC/LHR/WAPDA/GEN/zuh /22-070	Request for Approval of Mr. Kashan Arshad against Vacant Position of Sr. site Engineer (Road-A) (KKH-02) L65	
6.	26.05.22	DHC/LHR/WAPDA/GEN/aiq /22-071	Invoice Remuneration of Local Currency Portion for the Month of April 2022	
7.	26.05.22	DHC/LHR/WAPDA/GEN/zuh /22-072	Request for Approval of Mr. Muhammad Saleem for the Position of Jr. Site Engineer (Dam-3) L4 as a Replacement of Mr. Imran Khan	
8.	30.05.22	DHC/LHR/WAPDA/GEN/aiq /22-073	Invoice (Remuneration) of Foreign Currency Portion for the Month of April 2022	
9.	30.05.22	DHC/LHR/WAPDA/GEN/aiq /22-074	Statement of Reimbursable Expenses of Foreign Currency Portion for the Month of April 2022	
10.	27.05.22	DHC/LHR/WAPDA/GEN/zuh /22-075	Request for Approval of Shifting of Mr. Sajid Nawaz Tarrar from Position Sr. Engineer (Clam & Dispute) L31 to Position Contract Engineer-2 L96	
<b>Dasu office</b>				
11.	06.05.22	DHC/Dasu/WAPDA/GEN/you/22-244	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr. Tatsuya Miyazato)	
12.	06.05.22	DHC/Dasu/WAPDA/GEN/you/22-245	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr. Juan Carlos Hernandez)	
13.	06.05.22	DHC/Dasu/WAPDA/GEN/nn/22-246	Submission of Project Level Emergency Preparedness and Response Plan	
14.	06.05.22	DHC/Dasu/WAPDA/GEN/you/22-247	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr.Ali Murat Ozbek)	
15.	06.05.22	DHC/Dasu/WAPDA/GEN/you/22-248	Security Arrangements for Travelling of DHC Expatriate (Mr.Serkan Harmandar )	
16.	07.05.22	DHC/Dasu/WAPDA/GEN/you/22-249	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr.Naim Karaman & Mr.Birol Murat)	
17.	09.05.22	DHC/Dasu/WAPDA/GEN/hn/22-250	Replacement of K5 Chief Geologist A from Dr.Pucaï Yang to Dr.Takahito Naka	
18.	09.05.22	DHC/Dasu/WAPDA/GEN/you/22-251	Revised Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr.Juan Carlos Hernandez)	
19.	11.05.22	DHC/Dasu/WAPDA/GEN/sad/22-252	GIS Verification of Land Parcels of Component KKH-01 Additional Land (PTB-4A-Barseen)	
20.	11.05.22	DHC/Dasu/WAPDA/GEN/sad/22-253	GIS Verification of Land Parcels of Component KKH-01 Additional Land PTB-2	
21.	11.05.22	DHC/Dasu/WAPDA/GEN/you/22-254	Security Arrangements for Travelling of DHC Expatriate (Mr.Batuhan Ozdemir & Mr.Hirotaka Koizumi)	
22.	11.05.22	DHC/Dasu/WAPDA/GEN/sad/22-255	GIS Verification of Land Parcels of Component KKH-01 Additional Land (PB-4B-Barseen)	
23.	11.05.22	DHC/Dasu/WAPDA/GEN/sad/22-256	Revised-Security Arrangements for Travelling of DHC Expatriate as Special Case (Mr.Juan Carlos Hernandez)	
24.	12.05.22	DHC/Dasu/WAPDA/GEN/you/22-257	Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr.Neil Napoleon)	
25.	12.05.22	DHC/Dasu/WAPDA/GEN/sad/22-258	Provision of Funds for Disbursement of Compensation for Forest Non-Fruit Trees in Respect of the Component Viz KKH-1 Additional Land (K-16 & K-17 Tunnels Uchar )	
26.	12.05.22	DHC/Dasu/WAPDA/GEN/sad/22-259	GIS Verification of Land Parcels of Component KKH-01 Additional Land (PTB-6-Barseen)	
27.	14.05.22	DHC/Dasu/WAPDA/GEN/zic/22-260	Consistent Noncompliance of Provisions of EMP at Project Sites	
28.	14.05.22	DHC/Dasu/WAPDA/GEN/you/22-261	-Security Arrangements for Travelling of DHC Expatriate as a Special Case (Mr.Tateki Kan)	
29.	14.05.22	DHC/Dasu/WAPDA/GEN/you/22-262	Security Arrangements for Travelling of DHC Expatriate (Mr.Takahito Naka)	
30.	14.05.22	DHC/Dasu/WAPDA/GEN/rob/22-263	Request for Approval of Skill Development Training in Kuz Chuchang (Pilot Training)	
31.	14.05.22	DHC/Dasu/WAPDA/GEN/rob/22-264	Training Program of Imam Khateeb at International Islamic University (IIUI) Islamabad	
32.	15.05.22	DHC/Dasu/WAPDA/GEN/sad/22-265	GIS Verification of Land Parcels of Component KKH-01 Additional Land PTB-7 Area	
33.	16.05.22	DHC/Dasu/WAPDA/GEN/you/22-266	Revised Security Arrangements for Travelling of DHC Expatriate (Mr.Neil Napoleon)	
34.	16.05.22	DHC/Dasu/WAPDA/GEN/tm/22-267	CGGCs Submission of Main Material Suppliers	
35.	18.05.22	DHC/Dasu/WAPDA/GEN/ ohs/22-268	Submission of Incident Report	
36.	18.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-269	Security Arrangements for Travelling of DHC Expatriate (Mr.Ali Murat Ozbek)	
37.	18.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-270	Security Arrangements for Travelling of DHC Expatriate (Mr.Masud Karim).pdf	
38.	18.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-271	Security Arrangements for Travelling of DHC Expatriate (Mr.Yasushi Momose).pdf.pdf	
39.	18.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-272	Security Arrangements for Travelling of DHC Expatriate (Mr.Shuji	

**Dasu Hydropower Project**  
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**Appendix E [11/16]**

Sr. No	Date	Letter No.	Subject	Remarks
			Nakata)	
40.	19.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-273	Revenue Survey of Access Road to Resettlement Site-04 at Kuz Chuchang	
41.	19.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-274	Security Arrangements for Travelling of DHC Expatriates (Mr. Tatsya Miyazato & Mr. Hernandez Juan Carlos)	
42.	19.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-275	Security Arrangements for Travelling of DHC Expatriate (Mr. Fidencio Mendez)	
43.	23.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-276	Revised Security Arrangements for travelling of DHC Expatriate (Masud Karim)	
44.	20.05.22	DHC/Dasu/WAPDA/GEN/ tm/22-277	Contractor's Comments Regarding Payment of Helicopter Services	
45.	23.05.22	DHC/Dasu/WAPDA/GEN/ tm/22-278	Request for Approval of Mr. Takao NAKAJIMA as Construction Technical Advisor-2 (K55-2)	
46.	25.05.22	DHC/Dasu/WAPDA/GEN/ nhs/22-279	Payment of Temporary Relocation Package (TRP) and Applicable Project Allowance for 6 AHHs Affected due to RoW of RAR-01 Sigloo Nullah to Dam Site (K9-K12)	
47.	25.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-280	Tentative Cost Estimate of Land in Respect of KKH-01 Additional Land (PTB-6, Barseen)	
48.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-281	Tentative Cost Estimate of Land in Respect of KKH-01 Additional Land (PTB-7)	
49.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-282	Tentative Cost Estimate of Land in Respect of KKH-01 Additional Land (PTB-4A, Barseen)	
50.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-283	Tentative Cost Estimate of Land in Respect of KKH-01 Additional Land (PTB-4B)	
51.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-284	Tentative Cost Estimate of Land in Respect of KKH-01 Additional Land (PTB-5)	
52.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-285	GIS Verification of Land Parcels of Component KKH-01 ,Additional Land PTB-5	
53.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-286	Additional Funds for Land in Respect of KKH-02 Additional Land Kaigah to Awai (Area-2) Parts-A & B after Final GIS Verification	
54.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-287	GIS Verification of Land Parcels of Component KKH-01 Additional Land PTB-7 .	
55.	26.05.22	DHC/Dasu/WAPDA/GEN/ nhs/22-288	Submission of 25 TRP Files of Various Villages for Payment	
56.	26.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-289	GIS Verification of Land Parcels of Component KKH-01 Additional Land PTB-7 .	
57.	26.05.22	DHC/Dasu/WAPDA/GEN/ Rob/22-290	Request for Approval of Skill Development Training in Kuz Chuchang (Pilot Training)	
58.	27.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-292	Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Neil Napoleon)	
59.	28.05.22	DHC/Dasu/WAPDA/GEN/ you/22-293	Correction of Salary Slip Mr. Zaheer Ullah Counterpart Staff	
60.	28.05.22	DHC/Dasu/WAPDA/GEN/ you/22-294	Case FIR No. 97 dated 28.05.2022 U.S 324-109-34 PPC PS Dasu	
61.	28.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-295	Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Le Tien Duc)	
62.	28.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-296	Security Arrangements for travelling of DHC Expatriate (Mr. Ali Murat and Duc)	
63.	28.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-297	Security Arrangements for travelling of DHC Expatriate (Mr. Neil White & Momose)	
64.	28.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-298	Security Arrangements for travelling of DHC Expatriate (Mr. Neil White )	
65.	30.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-299	Assessment Reports of Forest Non Fruit Trees in Respect of KKH-01, Additional Land (PTP-02)	
66.	30.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-300	Assessment Reports of Forest Non Fruit Trees in Respect of KKH-01, Additional Land (PTB-05)	
67.	30.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-301	Assessment Reports of Forest Non Fruit Trees in Respect of KKH-01, Additional Land (PTB-04A)	
68.	30.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-302	Assessment Reports of Forest Non Fruit Trees in Respect of KKH-01, Additional Land (PTB-06)	
69.	30.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-303	Assessment Reports of Forest Non Fruit Trees in Respect of KKH-01, Additional Land (PTB-07)	
70.	30.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-304	GIS Verification of Land Parcels of Component "Baily Bridge Gumoon, Looter (Right Side) Area-1	
71.	30.05.22	DHC/Dasu/WAPDA/GEN/ sad/22-305	Assessment Reports of Forest Non Fruit Trees in Respect of KKH-01, Additional Land (PTB-04B)	
72.	28.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-306	Revised Security Arrangements for travelling of DHC Expatriates (Mr. Ali Murat & Mr. Duc)	
73.	30.05.22	DHC/Dasu/WAPDA/GEN/ you/22-307	Sharing of Present Employees List along with Police Clearance Certificates	
74.	30.05.22	DHC/Dasu/WAPDA/GEN/ tm/22-308	MPR No. 93 for the Month of April 2022 under Assignment-B	
75.	30.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-309	Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Yasushi Momose & Neil White)	
76.	30.05.22	DHC/Dasu/WAPDA/GEN/ myb/22-310	Security Arrangements for travelling of DHC Expatriate as a Special Case (Mr. Le Tein Duc)	
77.	31.05.22	DHC/Dasu/WAPDA/GEN/ zic/22-311	New Format of Quarterly Environmental Progress Report Jan-March 2022	
<b>1.2. Dasu-RAR-02</b>				
<b>Dasu office</b>				
78.	30.05.22	DHC/Dasu/WAPDA/RAR-02/ okk/22-045	RAR-02 Progress Review Meeting held under chairmanship of Advisor (Project)	
<b>1.3. Dasu-KKH-01</b>				
<b>Dasu office</b>				
79.	10.05.22	DHC/Dasu/WAPDA/KKH-01/CAD/22-064	Revised Draft of VO-005-Tunnel Bridges and Culverts.KKH-01	
80.	18.05.22	DHC/Dasu/WAPDA/KKH-01/CAD/22-068	Request for Format of Performance Guarantee and Advance Payment Guarantee for Increased Contract Value After VO-005 Signed.KKH-01	

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**Appendix E [12/16]**

Sr. No	Date	Letter No.	Subject	Remarks
<b>1.4. Dasu-KKH-02</b>				
<b>Dasu office</b>				
81.	18.05.22	DHC/Dasu/WAPDA/KKH-02&RAR-02/cad/22-038	Selection of the Sole Member for the Dispute Board.KKH-02 & RAR-02	
82.	23.05.22	DHC/Dasu/WAPDA/KKH-02/ cad/22-046	Contractor's Obligation to Obtain Land for Camp Area and other Temporary Facilities	
83.	27.05.22	DHC/Dasu/WAPDA/KK-02/ okk/22-049	KKH-02 Progress Review Meeting by Advisor Projects	
<b>1.5. Dasu-TL-01</b>				
<b>Dasu office</b>				
84.	18.05.22	DHC/Dasu/WAPDA/TL-01/ you/22-078	Stealing of Tower Material from already Erected Towers	
85.	22.05.22	DHC/Dasu/WAPDA/TL-01/ mrz/22-079	Trees Assessment and Compensation Payment at T-130A.	
86.	26.05.22	DHC/Dasu/WAPDA/TL-01/ mrz/22-081	Notice to Claim Idle Resources at Grid Station	
87.	27.05.22	DHC/Dasu/WAPDA/TL-01/ cad/22-084	Interim Payment Certificate No. IPC No. 60	
88.	30.05.22	DHC/Dasu/WAPDA/TL-01/ mrz/22-088	Revision of Schedule for Inspection of Tower Material	
<b>1.6. Dasu-MW-01</b>				
<b>Dasu Office</b>				
89.	17.05.22	DHC/Dasu/WAPDA/MW-01/ CAD/22-202	Employers Rejoinder Regarding Tender Discount-Referral No.01.pdf	
90.	17.05.22	DHC/Dasu/WAPDA/MW-01/ CAD/22-203	Employers Rejoinder Regarding Tender Discount-Referral No.01.pdf	
91.	19.05.22	DHC/Dasu/WAPDA/MW-01/ shj/22-204	Interim Payment Certificate No # 28 • For Mar-2022.	
92.	19.05.22	DHC/Dasu/WAPDA/MW-01/ shj/22-205	Justification for Issuance of Interim Payment Certificate No # 28	
93.	20.05.22	DHC/Dasu/WAPDA/MW-01/ cad/22-209	Application of Provincial Sales Tax (PST)-KP	
94.	23.05.22	DHC/Dasu/WAPDA/MW-01/ cad/22-217	Dispute Board Non-Binding Opinion No.1 on Contractor's Land slide Notice Claim.	
95.	23.05.22	DHC/Dasu/WAPDA/MW-01/ AO/22-218	Expediting the house relocation works below Right Abutment US Access Road of Cable Crane, MW-01	
96.	25.05.22	DHC/Dasu/WAPDA/MW-01/ cad/22-222	Contractor's Request that the Employer accepts the Dispute Board's Non-Binding Opinion on the Landslide of January 2019 for MW-01 should also apply to MW-02	
97.	26.05.22	DHC/Dasu/WAPDA/MW-01/ hn/22-223	150 Meters Rotary Drilling Work Require for Sub Soil Investigations	
98.	26.05.22	DHC/Dasu/WAPDA/MW-01 &02/ hh/22-228	Sample Delivery Schedule of different Material of the Project to the 3rd party Laboratories, (MW-01&MW-02)	
<b>1.7 Dasu-MW-02</b>				
<b>Dasu Office</b>				
99.	19.05.22	DHC/Dasu/WAPDA/MW-02/ shj/22-205	Interim Payment Certificate No # 28 • For Mar-2022	
100.	19.05.22	DHC/Dasu/WAPDA/MW-02/ shj/22-206	Justification for Issuance of Interim Payment Certificate No # 28	
<b>1.8 Dasu-PCI-01R</b>				
<b>Dasu office</b>				
101.	15.05.22	DHC/WAPDA/PCI-01R/ CAD/22-125	Interim Payment Certificate No.30.PCI-01R	
102.	17.05.22	DHC/WAPDA/PCI-01R/ CAD/22-127	Extension of Time and Notice to Correct.PCI-01R	
103.	30.05.22	DHC/WAPDA/PCI-01R/ mrd/22-144	Clarifications for False Ceiling (V0-011-1 ) and Installation of Joint Filler & Backing Rod (V0-011-2)	
<b>1.9 Dasu EM-01</b>				
<b>Dasu Office</b>				
104.	14.05.22	DHC/Dasu/WAPDA/EM-01/CAD/22-117	Advance Payment for Local Current Portion.EM-01	
105.	19.05.22	DHC/Dasu/WAPDA/EM-01/ YS/22-121	Coordinates of 765 kV Switchyard's Gantry and Terminal Tower (EM-01 )	
106.	24.05.22	DHC/Dasu/WAPDA/EM-01/ tm/22-127	Request to Provide Security Forces to the Temporary Residence of the Contractor	
<b>1.10 Dasu RV</b>				
<b>Lahore office</b>				
107.	24.05.22	DHC/Dasu/WAPDA/RV/cad/ 22-032	1st Interim Claim Regarding Re-handling of Excavated Material at Kuz-Choochang(Upper and Lower Portion)	
<b>1.11 Dasu-LADP</b>				
<b>Dasu Office</b>				
108.	07.05.22	DHC/Dasu/WAPDA/LADP/ mfn/22-020	LADP-Package-1 Road Schemes- Comments on Draft Insurance Policy Submitted by the Bidder	
109.	07.05.22	DHC/Dasu/WAPDA/LADP/ mfn/22-021	LADP Monthly Progress Report No.37 for the Month of April 2022	
110.	19.05.22	DHC/Dasu/WAPDA/LADP/ mfn/22-022	Possession of the Site	
111.	25.05.22	DHC/Dasu/WAPDA/LADP/Zia/22-023	Cost Estimate for Rehabilitation and Upgradation of Drinking Water Supply Facilities Dasu, Jalkot and Teyal	
112.	27.05.22	DHC/Dasu/WAPDA/LADP/Zia/22-024	Comments Response for Rehabilitation and Upgradation of Drinking Water Supply Facilities Dasu, Jalkot and Teyal	
113.	27.05.22	DHC/Dasu/WAPDA/LADP/Zia/22-025	Bidding Document for Rehabilitation and Upgradation of Drinking Water Supply Facilities Dasu, Jalkot and Teyal	
<b>2.12 Dasu LADP-MI-1</b>				
<b>Dasu Office</b>				
114.	18.05.22	DHC/Dasu/WAPDA/MI-01/ njm/22-044	Handing & Taking Over of Dismantled Items	
<b>2.13 Dasu LADP-MI-2</b>				
<b>Dasu Office</b>				
115.	14.05.22	DHC/Dasu/WAPDA/MI-2/mfn/22-015	Interim Payment Certificate No.4	
<b>2.14 Dasu LADP-SA-01</b>				
<b>Dasu Office</b>				
116.	30.05.22	DHC/Dasu/WAPDA/SA-01/ Zia/22-030	Hindrance and Social Issues of Sanitation System for Komila and Dasu	
<b>2. To Contractors</b>				
<b>2.1 RAR-01</b>				
<b>Dasu Office</b>				
1.	10.05.22	DHC/Dasu/CCECC/RAR-01/hhc/22-049	Weekly Progress Meeting Week 19.RAR-01	
2.	18.05.22	DHC/Dasu/CCECC/RAR-01/hhc/22-050	Weekly Meeting Minutes (RAR-01) and Komila Bypass Held on May 18 2022	



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**Appendix E [13/16]**

Sr. No	Date	Letter No.	Subject	Remarks
3.	19.05.22	DHC/Dasu/CCECC/RAR-01/hhc/22-051	Locals Concern for the School at Komila Start Section.RAR-01	
4.	25.05.22	DHC/Dasu/CCECC/RAR-01/PLS/22-052	Resource-Loaded Schedule (RLS) for Komila Bypass of RAR-01	
5.	27.05.22	DHC/Dasu/CCECC/RAR-01/Ohs/22-053	OHSMP Approval RAR-01	
<b>2.2 RAR-02</b>				
<b>Dasu office</b>				
6.	06.05.22	DHC/Dasu/CGGC/RAR-02/cad/22-035	Establishment of Dispute Board.RAR-02	
7.	10.05.22	DHC/Dasu/CGGC/RAR-02/cad/22-036	Report on the Imminent Shutdown of Various Parts of the Site.RAR-02	
8.	12.05.22	DHC/Dasu/CGGC/RAR-02/cad/22-037	Notice of Claim Dues to the Lack of Fuel.RAR-02	
9.	12.05.22	DHC/Dasu/CGGC/RAR-02/okk/22-038	Construction Drawings of RAR-02 (Bridges and Structures).RAR-02	
10.	13.05.22	DHC/Dasu/CGGC/RAR-02/okk/22-039	Cable Car Crossing of Indus River.RAR-02	
11.	16.05.22	DHC/Dasu/CGGC/RAR-02/okk/22-040	Facilities to be Provided to the Engineer.RAR-02	
12.	17.05.22	DHC/Dasu/CGGC/RAR-02/okk/22-041	Land Handover for ROW of RAR-02 (K44+100 to K54+000)	
13.	21.05.22	DHC/Dasu/CGGC/RAR-02/okk/22-042	Slow Work Progress Rate at RAR-02	
14.	24.05.22	DHC/Dasu/CGGC/RAR-02/okk/22-043	Weekly Progress Report	
15.	25.05.22	DHC/Dasu/CGGC/RAR-02/PLS22-044	Submission of Activity-wise Resource-Loaded Construction Schedule of RAR-02	
16.	30.05.22	DHC/Dasu/CGGC/RAR-02/cad/22-047	Claim No C-14 -Incident on 14th July 2021	
17.	30.05.22	DHC/Dasu/CGGC/RAR-02/cad/22-048	Report on the Inability to Transport Supplies due to the Islamabad Parade	
<b>2.3 KKH-01</b>				
<b>Dasu Office</b>				
18.	10.05.22	DHC/Dasu/CCECC/KKH-01/ hhc/22-065	Weekly Progress Meeting-Week 19.KKH-01	
19.	14.05.22	DHC/Dasu/CCECC/KKH-01/ cad/22-066	Notice to Proceed the Works-VO-005 Road Tunnels and Bridges.KKH-01	
20.	17.05.22	DHC/Dasu/CCECC/KKH-01/ hh/22-067	Approval of JIASHANG PLASTIC INDUSTRY as a Source KKH-01	
21.	22.05.22	DHC/Dasu/CCECC/KKH-01/ cad/22-069	Request for Format of Performance Guarantee and Advance Payment Guarantee for Increased Contract Value after V0-005 Signed	
22.	23.05.22	DHC/Dasu/CCECC/KKH-01/ CAD/22-070	Construction of Safety Barriers around Schools	
23.	23.05.22	DHC/Dasu/CCECC/KKH-01/ CAD/22-071	VO-005-Construction of Seven (7) Tunnels, Three (3) Bridges and Two (2) Culverts	
24.	23.05.22	DHC/Dasu/CCECC/KKH-01/ CAD/22-072	Mitigation Measures for Traffic Safety of Existing KKH	
25.	26.05.22	DHC/Dasu/CCECC/KKH-01/ hhc/22-073	Punch List for Completion of K3 Tunnel Works	
26.	27.05.22	DHC/Dasu/CCECC/KKH-01/ Ohs/22-074	OHSMP Approval KKH-01	
27.	28.05.22	DHC/Dasu/CCECC/KKH-01/ nk/22-075	Approvals of Plastic Pipe Manufacturer Henan JIASHANG Plastic Industry and Supplier MS Maestro Enterprises	
<b>2.4 Dasu-KKH-02</b>				
<b>Dasu Office</b>				
28.	06.05.22	DHC/Dasu/CGGC/KKH-02/cad/22-032	Establishment of Dispute Board.KKH-02	
29.	09.05.22	DHC/Dasu/CGGC/KKH-02/cad/22-033	Contractors Obligation to Obtain land for Camp Area and other Temporary Facilities.KKH-02	
30.	12.05.22	DHC/Dasu/CGGC/KKH-02/cad/22-034	Notice of Claim Dues to the Lack of Fuel.KKH-02	
31.	16.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-035	Report of Work Hindrance of Access Road.KKH-02	
32.	16.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-036	Facilities to be Provided to the Engineer.KKH-02	
33.	18.05.22	DHC/Dasu/CGGC/KKH-02/zic/22-037	Submission of Revised Construction Environmental Action Plan (CEAP) for KKH-02	
34.	18.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-039	Hand Over of Temporary Spoil Banks for KKH-02	
35.	19.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-040	Rock Blasting without Taking Adequate Precautions	
36.	20.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-041	KKH-02 Geotechnical Investigation at Pier Areas of Bridges	
37.	20.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-042	Construction of Barracks at Kaigah Camp	
38.	23.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-044	KKH-02 General Description of Construction Methodology	
39.	24.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-045	Weekly Progress Report	
40.	27.05.22	DHC/Dasu/CGGC/KKH-02/okk/22-048	Weekly Blasting Plan	
41.	28.05.22	DHC/Dasu/CGGC/KKH-02/cad/22-050	Request to Coordinate and Confirm the Resources of Adjustment index for Foreign Currencies	
42.	30.05.22	DHC/Dasu/CGGC/KKH-02/OKK/22-051	Reply to - Request to Acquire the Land for Access Road of KKH-02	
43.	31.05.22	DHC/Dasu/CGGC/KKH-02/OKK/22-052	Kaigah Access Road Construction	
44.	30.05.22	DHC/Dasu/CGGC/KKH-02/OKK/22-053	Reply to - KKH-02 Construction of Barracks at Kaigah Camp	
<b>2.5 Dasu TL-01</b>				
<b>Dasu Office</b>				
45.	09.05.22	DHC/Dasu/PCCC/TL-01/mrz/22-076	No Site Activities After Eid Holidays.TL-01	
46.	16.05.22	DHC/Dasu/PCCC/TL-01/mrz/22-077	Slow Progress of Work on 132Kv Transmission Line & Grid Station.TL-01	
47.	25.05.22	DHC/Dasu/PCCC/TL-01/PLS/22-080	Resource-loaded Schedule of TL-01 Contract	
48.	25.05.22	DHC/Dasu/PCCC/TL-01/PLS/22-082	ROW Issues at T-149 to T-1558 (Shaikh Banda)	
49.	25.05.22	DHC/Dasu/PCCC/TL-01/PLS/22-083	ROW Issues of Transmission Line and Grid station.	
50.	27.05.22	DHC/Dasu/PCCC/TL-01/mrz/22-085	Power Transformers at Barotha Store	
51.	28.05.22	DHC/Dasu/PCCC/TL-01/mrz/22-086	Stealing of Tower Material from already Erected Towers	
52.	29.05.22	DHC/Dasu/PCCC/TL-01/cad/22-087	Price Adjustment for Market Inflation for the Extended Period-Contract's Claim	
53.	30.05.22	DHC/Dasu/PCCC/TL-01/mrz/22-089	No Progress on Tower Erection and Stringing.	
54.	31.05.22	DHC/Dasu/PCCC/TL-01/cad/22-090	Recovery-Adjustment of Balance Foreign Currency Component of Mobilization Advance- Reminder	
<b>2.6 Dasu MW-01</b>				
<b>Dasu Office</b>				
55.	06.05.22	DHC/Dasu/CGGC/MW-01/hh/22-188	Request for Assistance of Get License for Nuclear Densitometer Gauge.MW-01	
56.	08.05.22	DHC/Dasu/CGGC/MW-01/ohs/22-189	Repairing Surveillance Camera at CR2 and All Other Locations	
57.	07.05.22	DHC/Dasu/CGGC/MW-01/hh/22-190	Approval of Utilizing SOBUTE (SBT) Admixtures for Dasu	

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**Appendix E [14/16]**

Sr. No	Date	Letter No.	Subject	Remarks
			Project.MW-01	
58.	09.05.22	DHC/Dasu/CGGC/MW-01/zua/22-191	Confirmation of Location of Army Camp in Kass Area.MW-01	
59.	10.05.22	DHC/Dasu/CGGC/MW-01/cad/22-192	Report on the Imminent Shutdown of Various Parts of the Site.MW-01	
60.	11.05.22	DHC/Dasu/CGGC/MW-01/cad/22-193	Report on the Imminent Shutdown of Various Parts of the Site.MW-01	
61.	11.05.22	DHC/Dasu/CGGC/MW-01/zua/22-194	Method Statement of Diversion Tunnel Concrete Works for Arch Portion MW-01	
62.	12.05.22	DHC/Dasu/CGGC/MW-01/cad/22-195	195-12.05.22-Notice to Claim Dues to the Lack of Fuel.MW-01	
63.	12.05.22	DHC/Dasu/CGGC/MW-01/ks/22-196	Submission of the Inspection and Test Procedures of Diversion Gate Guide Frames Installation R1 (HSS).MW-01	
64.	13.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-197	Payment of Hire Charges for Helicopter Services.MW-01	
65.	14.05.22	DHC/Dasu/CGGC/MW-01/ zic/22-198	Haulage of Oversized Construction Equipment Goods to Project Site.MW-01	
66.	14.05.22	DHC/Dasu/CGGC/MW-01/ zic/22-199	Seo Crushing Plant Installation and Operations Pre-Requisites.MW-01	
67.	14.05.22	DHC/Dasu/CGGC/MW-01/ zua/22-200	Urgent Construction of Security Fence Around Kass Camp MW-01	
68.	14.05.22	DHC/Dasu/CGGC/MW-01/ zua/22-201	Removal of Sand Along RAR-01 Near Kass Camp MW-01	
69.	19.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-206	Provision of Vehicles	
70.	19.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-207	Response to Request for the Response on the Legal Opinion on the Provisional Sum	
71.	20.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-208	Payment of Hire Charges for Helicopter Services	
72.	21.05.22	DHC/Dasu/CGGC/MW-01/ AO/22-210	Comments on Calculations and Schematic Diagram of Top Arch Pouring for Diversion Tunnel Inlet, MW-01	
73.	22.05.22	DHC/Dasu/CGGC/MW-01/ CAD/22-211	Payment of Hire Charges for Helicopter Services	
74.	21.05.22	DHC/Dasu/CGGC/MW-01/ Ohs/22-212	Repairing security fence at CR2 and other locations	
75.	23.05.22	DHC/Dasu/CGGC/MW-01/ AO/22-213	Approval of Concrete Repair Method Statement (D5).MW-01	
76.	23.05.22	DHC/Dasu/CGGC/MW-01/ AO/22-214	Method Statement of Diverting Indus River to the Diversion Tunnels MW-01	
77.	23.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-215	Request for the Response on the Legal Opinion on the PST.MW-01	
78.	23.05.22	DHC/Dasu/CGGC/MW-01/ AO/22-216	Minutes of Weekly Meeting 17 May to 22 May MW-01	
79.	23.05.22	DHC/Dasu/CGGC/MW-01/ AO/22-219	Reminder 2 Raw Material Stock Management, Source of RCC Aggregates for Dam, MW-01	
80.	23.05.22	DHC/Dasu/CGGC/MW-01/ AO/22-220	Reminder 1 Comments on Starter Dam Design, MW-01	
81.	25.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-221	Vehicles- Operation and Maintenance	
82.	25.05.22	DHC/Dasu/CGGC/MW-01/ nk/22-224	Rock and Aggregate Petrographic Analysis and Alkali-Silica Reactivity Test Results, (MW-01)	
83.	25.05.22	DHC/Dasu/CGGC/MW-01/ nk/22-225	The Engineer's Comments on the Contractor's Testing Schedule Related to the GIN I Natural Pozzolan, (MW-01 )	
84.	25.05.22	DHC/Dasu/CGGC/MW-01/ ohs/22-226	Provision of Basic Welfare Facilities	
85.	26.05.22	DHC/Dasu/CGGC/MW-01/ dn/22-227	Comments on Submission of Drawings and Calculation Notes for Plugs of Adit Tunnels of Diversion Tunnels	
86.	27.05.22	DHC/Dasu/CGGC/MW-01/ ks/22-229	Electric Embedded Conduits from LLO Maintenance Gate Hoist Deck to 3rd Gallery	
87.	26.05.22	DHC/Dasu/CGGC/MW-01/ YS/22-230	Minimum Amount of Interim Payment Certificate	
88.	26.05.22	DHC/Dasu/CGGC/MW-01& 02/ zic/22-231	Delay of Quarterly Environment Monitoring for MW-01& MW-02	
89.	27.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-232	Compensation of Two Pakistani Labour	
90.	27.05.22	DHC/Dasu/CGGC/MW-01/ Ohs/22-233	Provision of Safe Transportation for Workers	
91.	30.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-234	Claim No C-14 -Incident on 14th July 2021	
92.	28.05.22	DHC/Dasu/CGGC/MW-01/ nk/22-235	Submission of RCC Expert Dr. Dunstan's Notes on the 2nd Stage RCC Trial Mix Programme. (MW-01)	
93.	30.05.22	DHC/Dasu/CGGC/MW-01/ cad/22-236	Report on the Inability to Transport Supplies due to the Islamabad Parade	
94.	30.05.22	DHC/Dasu/CGGC/MW-01/ you/22-237	Compensation of Two Pakistani Labour	
95.	31.05.22	DHC/Dasu/CGGC/MW-01&02/ you/22-238	Employment of Locals belonging to Kass area by CGGC in their Chinese-Camp	
96.	31.05.22	DHC/Dasu/CGGC/MW-01&02/Pls/22-239	Submission of the Revised Contract Programme R4-D 11 Of MW-01	

**2.7 Dasu MW-02**

**Dasu Office**

97.	09.05.22	DHC/Dasu/CGGC/MW-02/ hh/22-194	Delay on Submission of Third Party Laboratories Test Results.MW-02	
98.	09.05.22	DHC/Dasu/CGGC/MW-02/ hh/22-195	Provision of Cement Type III for Dasu HPP Project.MW-02	
99.	10.05.22	DHC/Dasu/CGGC/MW-02/ hh/22-196	Report on the Imminent Shutdown of Various Parts of the Site.MW-02	
100.	10.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-197	Unsafe and Unsupported Slopes within the Switchyard.MW-02	
101.	10.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-198	Unsafe and Unsupported Electric Cable with PH I-II Drain Tunnel-1 Submerged in Water.MW-02	
102.	10.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-199	The Tailrace Access Adit CT2 Portal Development Works.MW-02	
103.	10.05.22	DHC/Dasu/CGGC/MW-02/ eg/22-200	Power Intake Platform Protection Fence.MW-02	
104.	11.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-201	Report on the Imminent Shutdown of Various Parts of the Site.MW-02	
105.	10.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-202	Response to the Report of the Imminent Shutdown of Various Site Locations.MW-02	
106.	12.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-203	Notice to Claim Dues to the Lack of Fuel.MW-02	
107.	14.05.22	DHC/Dasu/CGGC/MW-02/ MGC-MA/22-204	Provision of GI Sheet and Concrete Blocks at Tailrace Work Station Area.MW-02	
108.	19.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-207	Provision of Vehicles	
109.	19.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-208	Portal Support Measures Prior to next Half Section Advancement of Adit Tunnel CT-2 for Tailrace Tunnel No.1&2.MW-02	
110.	19.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-209	Engineer Comments on Method Statement Excavation and Support of Switchyard Compound (D4).MW-02	

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**Appendix E [15/16]**

Sr. No	Date	Letter No.	Subject	Remarks
111.	19.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-210	Response to Request for the Response on the Legal Opinion on the Provisional Sum	
112.	21.05.22	DHC/Dasu/CGGC/MW-02/ ohs/22-211	Repairing security fence at CR2 and other locations	
113.	23.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-212	Request for Response on the legal Opinion on PST	
114.	23.05.22	DHC/Dasu/CGGC/MW-02/ eg/22-213	Issuance of Revised Construction Drawings.MW-02	
115.	24.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-214	Underground Powerhouse Cavern 1st Bench - Installation of Survey Target Points for Convergence Monitoring Btw CH ; 0+000.0 ~0+241.0	
116.	25.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-215	Vehicles- Operation and Maintenance	
117.	25.05.22	DHC/Dasu/CGGC/MW-02/ Ohs/22-216	Provision of Basic Welfare Facilities	
118.	25.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-217	Response to the Proposal for Excavation of Trench at the Intake EL. 964m to Intercept Rockfall	
119.	26.05.22	DHC/Dasu/CGGC/MW-02/ ys/22-218	Stability of Switchyard Slope (MW-02)	
120.	26.05.22	DHC/Dasu/CGGC/MW-02/ ys/22-219	Minimum Amount of Interim Payment Certificate	
121.	27.05.22	DHC/Dasu/CGGC/MW-02/ Ohs/22-220	Ventilation & Air Quality Inside the Powerhouse and Transformer Cavern Tunnel	
122.	30.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-221	Claim No C-12 -Incident on 14th July 2021	
123.	30.05.22	DHC/Dasu/CGGC/MW-02/ cad/22-222	Report on the Inability to Transport Supplies due to the Islamabad Parade	
124.	28.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-223	Drainage Tunnel 1A Drop Shaft Charging and Working Environment	
125.	28.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-224	Penstock Adit -2 Lower Pressure Tunnel(s) Tunnel Junction- Total Negligence of Excavation and Support Works	
126.	28.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-225	Total Negligence of Explosives left Unguarded and Uncontrolled	
127.	28.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-226	Failure to Carry out Survey at approximate Ch 0 + 012.0 m to 0 + 025.6m Third (3rd Round)	
128.	28.05.22	DHC/Dasu/CGGC/MW-02/ mgc/22-227	Lower Pressure Tunnel-2 Excavation and Support Works	
129.	31.05.22	DHC/Dasu/CGGC/MW-02/ pls/22-228	Submission of the Revised Contract Programme R5-D10 Of MW-02	
<b>2.8 Dasu-LBRV-11</b>				
<b>Dasu Office</b>				
130.	08.05.22	DHC/Dasu/ZEGL/LBRV-11/ohs/22-038	Repairing Surveillance Camera at Uchar Camp	
131.	14.05.22	DHC/Dasu/ZEGL/LBRV-11/cad/22-039	Contractors Idle Cost Claim Due to Firing Incident at Logro Tunnel.LBRV-11	
132.	18.05.22	DHC/Dasu/ZEGL/LBRV-11/pls/22-040	Request to Provide Updated Schedule for Remaining Works.LBRV-11	
133.	20.05.22	DHC/Dasu/ZEGL/LBRV-11/Cad/22-041	Contractor's Cost Claim for Extended Project Guarantees and Insurance - An interim Claim under Non-Possession of Site (Claim No. LBRV-11-C-11)	
134.	23.05.22	DHC/Dasu/ZEGL/LBRV-11/Cad/22-042	Omission of Work Related to Non-Handed over Sites	
<b>2.9 Dasu LBRV-12</b>				
<b>Dasu office</b>				
135.	14.05.22	DHC/Dasu/ZEGL/LBRV-12/cad/22-023	Contractors Idle Cost Claim Due to Firing Incident at Logro Tunnel.LBRV-12	
136.	18.05.22	DHC/Dasu/ZEGL/LBRV-12/pls/22-024	Request to Provide Updated Schedule for Remaining Works.LBRV-12	
137.	23.05.22	DHC/Dasu/ZEGL/LBRV-12/cad/22-025	Omission of Work Related to Non-Handed over Sites	
138.	28.05.22	DHC/Dasu/ZEGL/LBRV-12/cad/22-026	An Interim Claim under Non-Possession of Sites (Claim No.LBRV-12-C-06)	
<b>2.11 Dasu-PCI-01R</b>				
<b>Dasu Office</b>				
139.	16.05.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-126	Notice of Correction.PCI-01R	
140.	18.05.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-128	Paint work Colony Buildings	
141.	18.05.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-129	Request for Variation Order and Design for Cable Tray in WAPDA Project Office	
142.	19.05.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-130	Contractor's Request to Revise the Cost Estimate of HOPE Water Tanks on Account of Market Inflation (V0-006)	
143.	21.05.22	DHC/Dasu/CGICOP/PCI-01 R/snr/22-131	Sample of Laminated Sheet for inside Area of the Under Kitchen Counter Slab for Project Colony	
144.	21.05.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-132	Response to The Contractor's Queries Regarding V0-011	
145.	23.05.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-133	Response to Contractor's Notice in View of Sub-Clause 4.12 and 13.8 - Unreasonable Weightage Coefficient for Price Adjustment	
146.	24.05.22	DHC/Dasu/CGICOP/PCI-01 R/kan/22-134	Non Compliance in Paint Work for Colony Buildings	
147.	23.05.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-135	Submission of Samples of LED Surface and Tube Lights for Approval	
148.	23.05.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-136	Submission of Samples and Data Sheets of LED Tube Lights for Approval	
149.	23.05.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-137	Request for Manufacturer Approval of Ms Mega Transformer and Ms AB Ampere for the 200 KVA and 400 kVA Pad Mounted Transformer	
150.	25.05.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-138	V0-006- Providing & Installation of HOPE Overhead Water Tank on Roof of Each Colony Building	
151.	25.05.22	DHC/Dasu/CGICOP/PCI-01 R/cad/22-139	V0-003- Supply and Installation of 20mm dia uPVC Pipe for A-C Water Drainage	
152.	26.05.22	DHC/Dasu/CGICOP/PCI-01 R/snr/22-140	Approval of Color Cards for Selection of Paint from Nippon Paint Manufacturer for Residence Category-3 Exterior and Interior-PCI-01 R	
153.	26.05.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-141	Instructions of the Engineer- Paint Work of Colony Buildings	
154.	29.05.22	DHC/Dasu/CGICOP/PCI-01 R/shf/22-142	Request for Approval of Ethernet & Data Communication's Devices Brand & Supplier Installation Details	
155.	30.05.22	DHC/Dasu/CGICOP/PCI-01 R/mrd/22-143	Clarifications for Primer and Filler (wall putty) in Paint Work of Colony Buildings	

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**Appendix E [16/16]**

Sr. No	Date	Letter No.	Subject	Remarks
<b>2.12 Dasu RV</b>				
<b>Dasu Office</b>				
156.	24.04.22	DHC/Dasu/KGL/RV/CAD/22-031	1st Interim Claim Regarding Re-handling of Excavated Material at Kuz-Choochang(Upper and Lower Portion)	
157.	26.04.22	DHC/Dasu/KGL/RV/mrd/22-033	IFC Drawings - Typical Road Cross Section Drawings	
158.	29.04.22	DHC/Dasu/KGL/RV/mrd/22-034	Pay Items for Road Construction with Plain Cement Concrete for Contract Dasu-RV	
159.	30.04.22	DHC/Dasu/KGL/RV/shf/22-035	Meeting for Technical Discussion of Solar System	
<b>2.13 EM-01</b>				
<b>Dasu Office</b>				
160.	06.05.22	DHC/Dasu/GEPC/EM-01/ CAD/22-109	Notice of Delays and or Additional Cost Due to On-going War Between Ukraine and Russia.EM-01	
161.	09.05.22	DHC/Dasu/GEPC/EM-01/ CAD/22-110	Dasu Site Camp Land Handover.EM-01	
162.	10.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-111	Excitation System Basic Design Drawing for Approval.EM-01	
163.	10.05.22	DHC/Dasu/GEPC/EM-01/ CAD/22-112	Claim for Additional Cost and Time Due to Land Handover.EM-01	
164.	10.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-113	Dasu Generator Upper Bracket Lower Bracket Lower Bracket Foundation for Approval.EM-01	
165.	11.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-114	Revised Auxiliary Mechanical Diagrams and Calculations for Approval.EM-01	
166.	11.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-115	Revised Schematic Diagram and Calculation of Transformer Oil Handling System.EM-01	
167.	13.05.22	DHC/Dasu/GEPC/EM-01/ ks/22-116	Access Tunnel to Underground Powerhouse for Installation of Draft Tube Spiral Casing.EM-01	
168.	17.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-117	Turbine Instrument P&ID as Built Submission for Approval & Stamp.EM-01	
169.	17.05.22	DHC/Dasu/GEPC/EM-01/ ks/22-118	Turbine Instrument P&ID as Built Submission for Approval & Stamp.EM-01	
170.	17.05.22	DHC/Dasu/GEPC/EM-01/ ks/22-119	Detail Design Drawings of Head Cover Bottom Ring Guide Vane and Operating Ring Submission for Approval.EM-01	
171.	18.05.22	DHC/Dasu/GEPC/EM-01/ ks/22-120	Reply for Detail Design Drawings of Lower Pit Liner Submission for Approval.EM-01	
172.	19.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-122	Submission of the Proposal Solution for Auto Silt Monitoring System.EM-01	
173.	19.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-123	Approval the Supplier of Governor System	
174.	20.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-124	Detail Design Drawings of Distributor Assembly and Shaft Seal Submission for Approval	
175.	20.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-125	Re-Submission of Governor System Hydraulic Diagram	
176.	23.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-126	Reminder for Dasu Painting Colors Proposed of Equipment for Customer Approval.EM-01	
177.	24.05.22	DHC/Dasu/GEPC/EM-01/ cad/22-128	Delegation of Contractor's Representative	
178.	24.05.22	DHC/Dasu/GEPC/EM-01/ cad/22-129	Notice of Additional Cost due to Change in Law and Regulations Under Contract	
179.	27.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-130	Rotor Spider Assembly and Stator Foundation for Approval	
180.	30.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-131	Submission of Retaining Wall Drawing and Design Calculation	
181.	30.05.22	DHC/Dasu/GEPC/EM-01/ sn/22-132	Submission of Boundary Wall Design of the Contractor's Camp	
182.	30.05.22	DHC/Dasu/GEPC/EM-01/ you/22-133	Approval of Temporary Residence for EM-01 Contractor at Dasu	
183.	31.05.22	DHC/Dasu/GEPC/EM-01/ Sn/22-134	Comments for site Boundary Wall of EM-01 Camp	
<b>2.14 LADP RB-14</b>				
<b>Dasu Office</b>				
184.	10.05.22	DHC/Dasu/IKAN/RB-14/mfn/22-013	LADP-JB-Final Payment Application	
185.	13.05.22	DHC/Dasu/IKAN/RB-14/mfn/22-014	LADP-JB-Prolongation Cost of EOT-1	
<b>2.15 Dasu LADP-MI-1</b>				
<b>Dasu Office</b>				
186.	11.05.22	DHC/Dasu/KGL/MI-1/njm/22-041	LADP-RHC-Deduction in interim Payment Certificate	
187.	15.05.22	DHC/Dasu/KGL/MI-1/ahs/22-042	LADP-RHC-Continuation of General BOQ Items (ESHS Officer PPEs and First Aid Material Box	
188.	18.05.22	DHC/Dasu/KGL/MI-1/mfn/22-043	LADP-RHC-1st Extension of Time (EOT-I)	
189.	18.05.22	DHC/Dasu/KGL/MI-1/njm/22-045	Taking Over of Existing Locks and Remaining Site Possession	
190.	29.05.22	DHC/Dasu/KGL/MI-1/ahs/22-046	Continuation of General BOQ Items (ESHS Officer, PPEs and First Aid Material Box	
<b>2.15 Dasu LADP-MI-2</b>				
<b>Dasu Office</b>				
191.	11.05.22	DHC/Dasu/KGL/MI-2/njm/22-014	LADP-JMK-Submission of Samples of for Approval	
<b>2.16 Dasu LADP SA-01</b>				
<b>Dasu Office</b>				
192.	12.05.22	DHC/Dasu/KGL/SA-01/ mfn/ 22-023	LADP-SSKD-Utilization of Advance Payment	
193.	14.05.22	DHC/Dasu/KGL/SA-01 / mfn/ 22-024	LADP-SSKD-Meeting with Design Engineer	
194.	18.05.22	DHC/Dasu/KGL/SA-01/ zia/ 22-025	LADP-SSKD-Meeting with Design Engineer	
195.	18.05.22	DHC/Dasu/KGL/SA-01/ mfn/ 22-026	LADP-SSKD-Removal of Contractors Authorized Person	
196.	19.05.22	DHC/Dasu/KGL/SA-01/ zia/ 22-027	Approval of Contract Program	
197.	21.05.22	DHC/Dasu/KGL/SA-01/ zia/ 22-028	Minutes of meeting, Sanitation and Sewerage system for Komila and Dasu	
198.	28.05.22	DHC/Dasu/KGL/SA-01/mfn/ 22-029	Utilization of Advance Payment	
<b>2.17 Dasu LADP PKG-01</b>				
<b>Dasu Office</b>				
1.	20.05.22	DHC/Dasu/KGL/PKG-01/ mfn/22-001	Notification of Start Commencement Date - Package-01 Road Scheme	
2.	25.05.22	DHC/Dasu/KGL/PKG-01/ ahs/22-002	Sampling and Monitoring for Air Quality and Noise	
3.	25.05.22	DHC/Dasu/KGL/PKG-01/ mfn/22-003	Procurement of Small Works-Pack-1 of Priority-2 Road Schemes	
4.	26.05.22	DHC/Dasu/KGL/PKG-01/ zia/22-004	Procurement of Small Works-Package-1 of Priority-2 Road Schemes	



# **APPENDIX F**

## **Detail of Interim Payment Certificates**

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**Appendix F: Details of Interim Payment Certificates**

**Updated till May 25, 2022**

Details of Interim Payment Certificates of MW-01 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	5,556,438,372	56,988,569.00	16-May-17
2	22-Jun-18	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	17-Aug-18
4	09-Jun-19	4	04-Jul-19	76,716,800	732,093.22	28-Feb-19
5	25-Jul-19	5	18-Aug-19	145,629,996	1,363,149.96	04-Aug-19
6	26-Sep-19	6	23-Oct-19	248,905,635	2,214,513.54	19-Sep-19
7	10-Dec-19	7	06-Jan-20	629,914,484	5,895,127.76	21-Nov-19
8	10-Feb-20	8	27-Feb-20	206,824,646	1,757,372.29	04-Feb-20
9	06-Apr-20	9	04-May-20	365,752,539	3,245,285.91	06-Apr-20
10	13-Jun-20	10	11-Jul-20	382,303,496	2,880,146.95	01-Jun-20
11	05-Aug-20	11	02-Sep-20	252,654,881	2,252,835.97	08-Aug-20
12	16-Sep-20	12	09-Oct-20	458,055,284	3,898,125.46	30-Sep-20
13	12-Nov-20	13	10-Dec-20	521,447,309	4,746,372.92	11-Nov-20
14	16-Dec-20	14	12-Jan-21	109,355,876	1,157,321.96	07-Jan-21
15	18-Jan-21	15	12-Feb-21	158,129,043	1,570,752.84	10-Feb-21
16	23-Feb-21	16	19-Mar-21	336,954,470	2,658,901.26	15-Mar-21
17	16-Apr-21	17	04-May-21	407,082,473	8,331,836.66	20-Apr-21
18	20-May-21	18	14-Jun-21	762,466,613	6,311,057.52	11-Jun-21
19	21-Jun-21	19	14-Jul-21	425,023,542	4,493,780.63	15-Jul-21
20	26-Jul-21	20	19-Aug-21	226,133,481	2,044,283.79	16-Aug-21
21	25-Aug-21	21	20-Sep-21	480,881,765	4,269,721.44	20-Sep-21
22	29-Sep-21	22	25-Oct-21	4,185,117	39,112.22	20-Oct-21
23	21-Nov-21	23	20/12/2021	821,193,512	9,251,540.73	24-Nov-21
24	26-Dec-21	24	07-Feb-22	679,713,623	6,015,133.50	16-Jan-22
25	29-Jan-22	25	28-Feb-22	321,933,884	2,945,172.60	20-Feb-22
26	02-Mar-22	26	28-Mar-22	131,974,383	1,251,829.96	26-Mar-22
27	28-Mar-22	27	24-Apr-22	159,376,817	1,607,294.43	27-Apr-22
28	16-Apr-22	28	18-May-22	362,635,724	2,112,719.95	23-May-22
<b>Total Amount in LC &amp; FC (1USD = 104.3 PKR)</b>				<b>14,450,077,928</b>	<b>142,415,206.94</b>	
<b>(LC 50:FC 50)</b>						
<b>Total Amount Certified including LC &amp; FC (Rs.)</b>				<b>29,303,984,011.84</b>		
<b>Accepted Contract Amount</b>				<b>115,003,461,240</b>		
<b>Disbursement Progress with respect to ACA</b>				<b>25.48%</b>		

Details of Interim Payment Certificates of MW-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	3,326,067,613	29,880,873.00	16-May-17
2	22-Jun-18	2	11-Jul-18	83,298,629	870,162.03	17-Aug-18
3	03-Jan-19	3	09-Jan-19	74,858,417	766,176.22	17-Aug-18
4	09-Jun-19	4	02-Jul-19	71,107,206	626,942.03	28-Feb-19
5	25-Jul-19	5	18-Aug-19	4,908,345	33,396.51	04-Aug-19
6	02-Oct-19	6	19-Oct-19	77,803,163	676,690.06	19-Sep-19
7	03-Dec-19	7	31-Dec-19	380,055,185	3,487,658.38	27-Nov-19
8	31-Jan-20	8	22-Feb-20	116,606,355	943,411.40	28-Jan-20
9	06-May-20	9	19-May-20	169,704,055	1,210,335.38	27-Mar-20
10	22-Jun-20	10	22-Jul-20	81,144,101	392,991.96	01-Jul-20
11	05-Aug-20	11	02-Sep-20	94,947,361	765,644.82	17-Aug-20
12	16-Sep-20	12	09-Oct-20	155,265,987	1,065,922.39	30-Sep-20
13	12-Nov-20	13	10-Dec-20	76,094,960	641,343.79	11-Nov-20
14	16-Dec-20	14	12-Jan-21	91,489,465	788,644.78	07-Jan-21
15	18-Jan-21	15	12-Feb-21	2,196,767	151,795.03	10-Feb-21
16	23-Feb-21	16	19-Mar-21	95,214,311	336,914.48	15-Mar-21
17	16-Apr-21	17	04-May-21	151,300,083	2,746,114.01	20-Apr-21
18	20-May-21	18	14-Jun-21	155,713,668	968,699.57	11-Jun-21
19	21-Jun-21	19	14-Jul-21	84,507,053	146,301.84	15-Jul-21
20	26-Jul-21	20	19-Aug-21	52,249,037	172,562.45	16-Aug-21
21	25-Aug-21	21	20-Sep-21	24,216,703	160,409.05	20-Sep-21
22	29-Sep-21	22	25-Oct-21	13,306,835	36,044.08	20-Oct-21
23	21-Nov-21	23	15-Dec-21	10,566,080	70,038.21	24-Nov-21
24	26-Dec-21	23	04-Feb-22	13,396,896	98,850.24	16-Jan-22
25	29-Jan-22	25	28-Feb-22	29,493,180	244,726.79	20-Feb-22
26	02-Mar-22	26	28-Mar-22	9,702,893	60,887.68	26-Mar-22
27	28-Mar-22	27	24-Apr-22	23,355,008	151,238.21	27-Apr-22
28	16-Apr-22	28	18-May-22	65,408,374	223,236.05	23-May-22
<b>Total Amount in LC &amp; FC (1USD = 104.3 PKR)</b>				<b>5,533,977,730</b>	<b>47,718,010.44</b>	
<b>(LC 50:FC 50)</b>						
<b>Total Amount Certified including LC &amp; FC (Rs.)</b>				<b>10,510,966,218.89</b>		
<b>Accepted Contract Amount</b>				<b>64,426,426,087</b>		
<b>Disbursement Progress with respect to ACA</b>				<b>16.31%</b>		

Details of Interim Payment Certificates of EM-01 – Contractor GE-PC JV						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		Due Date
				Local Currency	Foreign Currency	
1	17-Dec-19	1 (Adv. Pay)	20-Dec-19		24,398,400.00	24-Jan-20
2	21-Oct-21	1	01-Nov-21		921,600.00	20-Dec-21
2	17-Feb-22	(Adv. Pay)	25-Mar-22	480,570,192		
<b>Total Amount in LC &amp; FC</b>				<b>480,570,192</b>	<b>25,320,000</b>	
<b>Accepted Contract Amount</b>				<b>25,471,001,920</b>	<b>243,984,000</b>	
<b>Disbursement Progress with respect to ACA</b>				<b>2%</b>	<b>10%</b>	

**Details of Interim Payment Certificates of PCI-01R – Contractor CGCIOP**



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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
<b>Total Amount in LC &amp; FC (1USD = 105.55 PKR)</b>				<b>1,838,658,658</b>	<b>6,164,346</b>	
<b>(LC 70: FC 30)</b>						
<b>Total Amount Certified including LC &amp; FC (Rs.)</b>				<b>2,489,305,374</b>		
<b>Accepted Contract Amount</b>				<b>4,900,000,009</b>		
<b>Disbursement Progress with respect to ACA</b>				<b>50.80%</b>		

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
<b>Total Amount in LC &amp; FC (1USD=100.73PKR)</b>				<b>5,324,109,914</b>	<b>13,105,524</b>	
<b>(LC74.86:FC25.14)</b>						
<b>Total Amount Certified including LC &amp; FC (Rs.)</b>				<b>6,644,229,360</b>		
<b>Accepted Contract Amount</b>				<b>14,538,852,307</b>		
<b>Disbursement Progress with respect to ACA</b>				<b>45.70%</b>		

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

Details of Interim Payment Certificates of RAR-01 – Contractor CCECC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	379,956,163	1,616,583.00	01-May-15
2	08-Sep-16	2	28-Sep-16	30,718,272	127,214.05	03-Nov-16
3	24-Nov-16	3	28-Nov-16	33,046,440	140,751.14	19-Jan-17
4	17-Mar-17	4	18-Mar-17	25,337,809	107,803.64	12-May-17
5	31-May-17	5	06-Jun-17	19,217,560	75,637.40	26-Jul-17
6	29-Sep-17	6	22-Oct-17	15,836,928	67,380.67	24-Nov-17
7	18-Jan-18	7	22-Jan-18	29,111,263	119,640.59	15-Mar-18

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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

**Total Amount in LC & FC (1USD=100.73PKR)  
(LC70:FC30)** 1,253,632,006      5,274,229  
**Total Amount Certified including LC & FC (Rs.)** 1,784,905,057  
**Accepted Contract Amount** 2,713,972,595  
**Disbursement Progress with respect to ACA** **65.77%**

Details of Interim Payment Certificates of RAR-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	20-Mar-17	1 (Adv. Pay)	31-Mar-17	833,528,863	3,993,993	21-Apr-17
1	08-Mar-22	2	04-Apr-22	12,351,687	58,456.46	25-Apr-22

**Total Amount in LC & FC (1USD = 104.445 PKR)  
(LC 60: FC 40)** 845,880,550      4,052,449  
**Total Amount Certified including LC & FC (Rs.)** 1,269,138,633.85  
**Accepted Contract Amount** 6,253,407,194  
**Disbursement Progress with respect to ACA** **20.30%**

Details of Interim Payment Certificates of TL-01 – Contractor PCCC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	10-Jul-15	Adv. Payment	28-Jul-15	286,980,047	403,585.00	24-Aug-15
2	16-Mar-16	2016/Rev-01	21-Mar-16	4,652,449		30-Apr-16
3	16-Mar-16	2016/02	21-Mar-16	2,604,724		30-Apr-16
4	11-Jul-16	2016/03	14-Jul-16	347,684		25-Aug-16
5	11-Jul-16	2016/04	14-Jul-16	10,191,948		25-Aug-16
6	25-Jul-16	2016/05	27-Jul-16	8,537,775		08-Sep-16
7	30-Mar-17	2017/01	10-Apr-17	7,286,730		14-May-17
8	30-Mar-17	2017/02	10-Apr-17	20,617,251		14-May-17
9	02-May-17	2017/03	10-May-17	1,029,370		16-Jun-17
10	20-Jun-17	2017/04	07-Jul-17	15,467,707		04-Aug-17
11	17-Jul-17	2017/05	19-Jul-17	2,926,056		31-Aug-17
12	27-Jul-17	2017/06	19-Aug-17	386,316		10-Sep-17
13	08-Aug-17	2017/07	19-Aug-17	768,750		22-Sep-17
14	06-Nov-17	2017/08	09-Nov-17	16,581,527	164,877.75	21-Dec-17
15	03-Jan-18	2017/09	04-Jan-18	79,952,447	24,499.74	17-Feb-18
16	03-Feb-18	2018/01	07-Feb-18	8,312,535		20-Mar-18
17	04-Apr-18	2018/02	06-Apr-18	32,121,568		19-May-18
18	07-May-18	2018/03	08-May-18	11,485,439	32,729.72	21-Jun-18
19	15-Aug-18	2018/04	16-Aug-18	6,252,657		29-Sep-18
20	12-Sep-18	2018/05	25-Sep-18	15,914,034		27-Oct-18
21	23-Oct-18	2018/06	24-Oct-18	16,345,769		07-Dec-18
22	01-Nov-18	2018/07	07-Nov-18	24,631,750		16-Dec-18
23	04-Dec-18	2018/08	08-Dec-18	7,376,449	4,675.67	18-Jan-19
24	08-Jan-19	2018/09	09-Jan-19	44,412,888		22-Feb-19
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

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**Appendix F [4/4]**

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

**Total Amount in LC & FC** 1,400,201,492 1,307,509  
**Accepted Contract Amount** Rs 1,583,325,237 \$ 2,017,927  
**Disbursement Progress with respect to ACA** **88%** **65%**  
**Total Contract Amount (Rs.)** 1,785,117,937

Details of Interim Payment Certificates of RV – Contractor KGL						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	12-Jul-19	1 (Adv. Pay)	17-Jul-19	130,963,036		07-Aug-19
2	09-Mar-20	2	25-Mar-20	19,802,834		22-Apr-20
3	09-May-20	3	20-May-20	9,411,827		17-Jun-20
4	15-Aug-20	4	24-Aug-20	24,116,398		21-Sep-20
5	10-Oct-20	5	26-Oct-20	15,274,462		23-Nov-20
6	10-Dec-20	6	20-Dec-20	19,475,809		17-Jan-21
7	01-Feb-21	7	25-Feb-21	14,543,732		25-Mar-21
8	02-Apr-21	8	16-Apr-21	13,480,239		14-May-21
9	04-Jul-21	9	24-Jul-21	6,466,245		21-Aug-21
10	22-Nov-21	10	25-Nov-21	5,016,366		23-Dec-21
11	01-Apr-22	11	15-Apr-22	6,534,788		13-May-22

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

Details of Interim Payment Certificates of LBRV-11 – Contractor M/s Zongmei						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	83,204,565	1,343,848	25-Jul-17
2	02-Jul-19	2	27-Jul-19	10,967,224	244,073.58	27-Aug-19
2	18-Oct-19	3	18-Oct-19	5,704,559	126,953.95	13-Dec-19
4	01-Feb-20	4	10-Feb-20	7,097,482	157,953.19	28-Mar-20
5	30-Apr-20	5	12-May-20	8,413,484	187,240.57	25-Jun-20
6	20-Sep-20	6	06-Oct-20	14,612,501	315,475.78	15-Nov-20
7	29-Dec-20	7	23-Jan-21	6,767,978	150,620.15	23-Feb-21
8	06-May-21	8	03-Jun-21	8,090,729	127,265.24	01-Jul-21
9	24-Nov-21	9	20-Dec-21	29,671,210	101,302.52	19-Jan-22
10	31-Dec-21	10	24-Jan-22	59,080,621	172,441.90	25-Feb-22
11	13-Apr-22	11	27-Apr-22	58,760,674	94,065.32	08-Jun-22

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

Details of Interim Payment Certificates of LBRV-12 – Contractor M/s Zongmei						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	75,233,228	1,222,084	25-Jul-17
2	05-Feb-20	2	18-Feb-20	5,697,404	126,794.70	01-Apr-20
3	05-Jun-20	3	15-Jun-20	6,263,338	139,389.45	31-Jul-20
4	09-Nov-20	4	01-Dec-20	5,732,406	127,573.68	04-Jan-21
5	03-Dec-20	5	29-Dec-20	7,530,157	167,582.29	28-Jan-21
6	05-Jul-21	6	24-Jul-21	8,933,670	198,817.22	30-Aug-21
7	25-Dec-21	7	08-Jan-22	7,712,692	171,644.56	19-Feb-22
8	28-Mar-22	8	23-Apr-22	36,548,959	150,462.38	23-May-22

**Total Amount in LC & FC (1USD = 104.8462 PKR)** 153,651,854 2,304,348  
**(LC 30:FC 70)**  
**Total Amount Certified including LC & FC (Rs.)** 395,254,014.63  
**Accepted Contract Amount** 1,016,820,466  
**Disbursement Progress with respect to ACA** **38.87%**

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

**Total Amount in LC & FC (1USD = 105.3 PKR)** 54,937,530 182,814  
**(LC 70:FC 30)**  
**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 Unfication of C-1 and C-4 Disruption and Delay in Site Possession	Contractor submitted nos. of Interim submissions. First interim submission was made on 18/06/17.			-		The Engineer's replied dated 20/07/2017. Principle of claim was approved. <b>Contractor's substantiation for Additional cost awaited.</b> <b>Contractor provides expense record in interim submissions with out 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- <i>dated 13-Oct-2018</i> . The Employer agreed to include the Claim Cost 5,330,690 excluding the 'Profit' in IPC. (dated Employer's letter 24-03-2020) <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 - <i>dated 1-Jun-2019</i> . The Initial assessment of the claim was sent to both parties for their agreement.(dated 23-Dec-2019). <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			4,265,702		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>
2	KKH-01/C-7 Delayed Drawings EOT	On 19/05/16 Contractor notified claim for Time Extension and Additional Cost Incurred by Delayed Cross Section Drawings					The Engineer asked the contractor to submit full and detailed particulars <i>DHC letter - dated 23-05-2016 (Ref:051)</i> . <b>Contractor's substantiation awaited.</b>
3	KKH-01/C-8 Cost of Damage to Loader	On 20/06/16, Contractor submitted his Cost details of the lost loader	9,010,118		-		The principle of the Contractor's claim is disapproved. <i>DHC letter - dated 9-Aug-2017.(Ref:028)</i> <b>Claim Disapproved</b>
4	KKH-01/C-12 Development of Crack near Barseen EOT	On 31/08/16, Contractor notified claim for Time and Cost Incurred by stoppage of work due to development of 40m Crack					The Engineer asked the contractor to submit full and detailed particulars. <i>DHC letter - dated 19-09-2016 (Ref:113)</i> . <b>Contractor's substantiation awaited.</b>
5	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>
6	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>
7	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>
8	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>
9	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>
10	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>

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11	KKH-01/C-19 Force Majeure-strike by 80 Members Dam Committee	On 08/10/19, Contractor notified Force Majeure that was instigated by the protest of the 80-Member Dam Committee. Works' stoppage period [18 Sep 19 to 4 Oct 19]					DHC letter - dated 12-Oct-2019 (Ref:349) <b>Contractor's substantiation awaited</b>	
12	KKH-01/C-20 Interference due to other Employer's Contractor	On 05/12/19, Contractor notified - Delays due to interference from Employer's other Contractor pursuant to Sub-Clauses 2.3, 4.6, 20.1, & 8.4.					DHC letter - dated 14-Dec-2019 (Ref:414) <b>Contractor's substantiation awaited</b>	
13	KKH-01/C-21 Claim due to outbreak of -Corina Virus (2019-nCoV)	On 16/03/20, Contractor notified claim for Site progress delay caused by inconvenient material mobilization (Steel), purchasing and other impacting due to 2019-nCov under GC 19.4, 3.1, 13.7					DHC letter - dated 8-April-2019 (Ref:077) and 24-July-2020 (Ref:167) <b>Contractor's substantiation awaited</b>	
14	KKH-01/C-22 Claim due to due to Shortage of Fuel	On 13/06/20, Contractor notified Intention to claim extension of time and additional cost due to shortage of fuel under Sub Clause 8.4 and Sub-Clause 19.4 of General Condition of Contracts.					DHC letter - dated 29-June-2020 (Ref:145) <b>Contractor's substantiation awaited</b>	
15	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					DHC letter - dated 1-Apr-2021 (Ref:063) <b>Contractor's substantiation awaited</b>	
16	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.					DHC letter - dated 24-Aug-2021 (Ref:147) <b>Contractor's substantiation awaited</b>	
17	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					DHC letter - dated 13-Aug-2021 (Ref:144)	
18	KKH-01/C-4 Extension of Insurances and Guarantees	23-02-2022, Contractor's Cost claim regarding extension of Insurances and Guarantees			115,610,113	481,256	the Engineer issued his assessment/determination on 25-01-2022	
<b>Total Additional Cost</b>					<b>88,280,591</b>	<b>319,282</b>	<b>69,186,492</b>	<b>259,661</b>
<b>Details of Claims/Notifications of RAR-01 – Contractor CCECC</b>								
1	RAR-01/C1-C4 Unfication of C-1 and C-4 Disruption and Delay in Site Possession	Contractor submitted nos. of Interim submissions. First interim submission was made on 17/06/17.						The Engineer's replied dated 20/07/2017. Principle of claim was approved. <b>Contractor's substantiation for Additional cost awaited.</b> <b>Contractor provides expense record in interim submissions with out establishing cause-effect link.</b>
		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>
		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	2,120,993					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 of August 2019. The Engineer shared his assessment with both parties on

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							29-Nov-2019. <b>Awaiting the Employer's Response. [Contractor]</b>
2	RAR-01/C-6 Delayed Drawings EOT	On 19/05/16 Contractor notified claim for Time and Additional Cost Incurred by Delayed Cross Section Drawings					The Engineer asked the contractor to submit full and detailed particulars according to 1.9 "Delayed Drawings or Instructions" & 20.1 "Contractor's Claim". <i>DHC letter - dated: 24-05-2016</i> <b>Contractor's substantiation awaited</b>
3	RAR-01/C-09 Force majeure linked to massive land sliding at K6.	On 07/03/19 Contractor notified claim for Extension and Additional Cost due to stoppage of works - Force majeure linked to massive land sliding at K6.					The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. <i>DHC letter - dated: 3-8-2019 (Ref:042)</i> <b>Contractor's substantiation awaited</b>
3	RAR-01/C-10 Force Majeure - Heavy Rain	On 22/08/19 (27/08/19) Contractor notified claim for Extension and Additional Cost due to Force Majeure- Heavy Rainfall					The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. <i>DHC letter - dated: 4-9-2019 (Ref:168)</i> <b>Contractor's substantiation awaited</b>
4	RAR-01/C-11 Force Majeure-strike by 80 Members Dam Committee	On 08/10/19 Contractor notified claim for Force Majeure that was instigated by the protest of the 80-Member Dam Committee. Works' stoppage period [18 Sep 19 to 4 Oct 19]					<i>DHC letter - dated 12-Oct-2019 (Ref:202)</i> <b>Contractor's substantiation awaited</b>
5	RAR-01/C-12 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:063) Dated 24-July-2020 (Ref:124)</i> <b>Contractor's substantiation awaited</b>
6	RAR-01/C-13 Claim due to due to Shortage of Fuel	On 13/06/20 Contractor notified claim for Intention to claim extension of time and additional cost due to shortage of fuel under Sub Clause 8.4 and Sub-Clause 19.4 of General Condition of Contracts.					<i>DHC letter - dated 29-June-2020 (Ref:104)</i> <b>Contractor's substantiation awaited</b>
7	RAR-01/C-14 Damages Due to Massive Land Sliding	On 2/08.21, Notice of Claim - Damages Due to Massive Land Sliding Blocking of RAR-01					<i>DHC letter - dated 24-Aug-2021 (Ref:096)</i> <b>Contractor's substantiation awaited</b>
8	RAR-01/C-152021- Change in Legislation -KPK PST	on 17th Dec 2021, Notice of Claim- Increase in KPK provisional Slaes Tax.					<i>DHC letter- dated 27th Dec 2021 (Ref: 137)Registered the claim.</i>
<b>Total Additional Cost</b>				<b>40,189,206</b>	<b>70,888</b>	<b>18,851,065</b>	<b>60,581</b>
<b>Details of Claims/Notifications of TL-01 – Contractor PCCC</b>							
1	TL-01/C-1 Idle Cost Claim [Direct Cost]	On 14/02/18, Contractor submitted idle Direct cost claim for the period of 2-Nov-2015 to 31-Dec-2016	7,109,690		3,766,650		Employer's approval to pay in IPC recieved on 2-8-2019. <b>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 recieved on 5-8-2019. <b>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	161,670,93 1		74,679,085		Employer's approval to pay recieved on 23-10-20. <b>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	149,088,17 3		119,786,095		Employer's approval to pay recieved on 31-1-22. <b>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 alongwith other Management claim.</b>
3	Tentative and Abortive Claim	On 18/07/20, Contractor submitted Tentative and Abortive Claim.					<i>DHC/Dasu/PCCC/TL-01/rar/21-049</i> dated 15th April 2021 the Contractor withdraw his claim
4	TL-01/C-2 Equitable Adjustment EoT	On 08/02/16, Contractor submitted Equitable Adjustment Claim.	18,988,060		-		Assessment of "No Entitlement" submitted to WAPDA, and suggested to reply to Contractor - <i>dated 23 February 2016.</i> <b>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 29 April 2017. <b>Claim Disapproved</b>
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 assesment submitted on 10-Jul-2018. The Employer agreed with PM Assesment. Contractor replied on 12-11-19 that he did not agreed with PM assesment.
		On 18/02/19, Contractor submitted claim for Additional Charges for care & Custody of Grid Station Equipment from	2,393,313		227,025		Project Manager assesment submitted on 3-Sep-2019. The Employer agreed with PM Assesment. Contractor replied on 12-



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		April 2018 to Nov 2018					11-19 that he did not agree with PM assessment.
7	Extension of Insurance and Guarantee Policies	On 27/07/18, 15/11/2018 Contractor submitted claim for Additional charges - Extension of Insurance and Guarantee Policies	23,106,045		14,948,404		Agreed and paid GM/PD/DHPP/AD( C)TL-01/43B/9245-49 dated 15-11-2019
		On 22/04/19, Contractor submitted claim for Additional charges - Extension of Insurance and Guarantee Policies			4,720,820		Paid GM/PD/DHPP/Contracts/TL-01/43/6869-73 dated 1/12/2021
8	Relocation of Tower route	On 14/01/19, Contractor's Notice of Claim with regard to Relocation of Towers					DHC letter - dated 18-January-2019. (Ref:010) <b>Contractor's substantiation awaited.</b>
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). <b>Contractor's substantiation awaited.</b>
10	Price Adjustment for Market Inflation	On 18/02/19, Contractor submitted Claim for Price Adjustment as a result of market inflation during the extended period of work.					Formula to be agreed, waiting for Employer's response.
11	Redesign and difficulty in execution of Grid Station	On 22/05/19, Contractor submitted Claim for Additional cost on account of redesigning of Grid Station.	47,157,647	3,898,986			The Project Manager issued Principle of claim and assessment. DHC/Dasu/WAPDA/TL-01/cad/22-052 dated 14th March 2022
12	Change proposal initiated and then Suspended	On 18/11/19, Contractor submitted Claim- Design and Procurement Cost for Preparing the Change Proposal(CR-TI-01-001 ). Change proposal was initiated by Employer in 2015 and suspended by the Employer in 2017.	695,700	4,094	Nil	4,094	Agreed and paid GM/PD/DHPP/Contracts/TL-01/43/6869-73 dated 2-12-2021
13	Claim Documentation for Guarantee Charges Before Effective Date	On 20/03/20, Contractor submitted claim for Cost of maintenance of guarantees from issue date till to effective date	1,600,914				Contractor agreed in meeting to withdraw this case. [Ref. DHC/Dasu/PCCC/TL-01/rar/21-002 dated 11 January 2021]
14	Claim for Re-excavation/ Slide Removal from Year 2016-19	On 01/04/20, Contractor submitted claim due to continuous ROW issues the backfilling activity of the Contractor was interrupted. The contractor is submitting claim of re-excavation/ slide removal from year 2016 to 2019.	8,459,812				The Contractor agreed to withdraw this claim Ref. letter # DHC/DASu/PCCC/TL-01-cad/22-054 dated 21Mard 2022
15	Outbreak of 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 <b>Awaiting for Contractor's detailed submission</b>
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 <b>Awaiting for Contractor's detailed submission</b>
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 <b>Awaiting for Contractor's detailed submission</b>
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 <b>The Engineer registered the subject claim</b>
<b>Total Additional Cost</b>			<b>523,493,269</b>	<b>3,903,080</b>	<b>220,308,799</b>	<b>4,094</b>	
<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. <b>Contractor's substantiation for Additional cost and EOT awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.</b>
2	MW-01/C-02 Adjustment to Contracts Price due to change in legislation	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in the Income Ordinance (2001 ). Contractor submitted Claim notification dated 22/12/2017.					Engineer replied on 29-Oct-2019 and 23-Dec-2019, asked the Contractor to submit additional supporting data for the Engineer to comment on principle of claim. <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>
4	MW-01/C-04 Damage to Contractor's Industrial Water Pipe due to unexpected Mud-Rock Flow in Uchar Area	On [18/08/2018], Contractor submitted his claim for Damage to Contractor's Industrial Water Pipe due to Unexpected Mud-Rock Flow in Uchar					The Engineer, on 20-09-2018, assessed and replied that the principle of the Contractor's Claim is disapproved pursuant to 19.4. <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 5-11-2018, the Contractor for the submission of detail

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							claim.
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]					<b>Contractor's substantiation awaited.</b> Engineer Replied on 5-11-2018 (Ref:443). . <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 18-03-2019. The Contractor is fully responsible for the provision of electricity. <b>Claim denied.</b>
8	MW-01/C-08 Work Stoppage due to Labour Strike	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - Contractor submission on 16/02/2019 and 17/04/2019.	37,280,470				Replied on 18-03-2019 and 17-05-2019. The formal notice of your intention to claim was provided outside of the 28 days' time-bar. <b>Claim denied.</b>
9	MW-01/C-09 Additional Tax on Import of Goods	On 18/08/2019, Contractor Claim under a Change in Legislation due to the levy of additional customs duties and regulatory duties on the importation of Goods. Contractor submitted Interim Claim No 2 (Feb 2019 to Dec 2019) - dated 23/08/2020.	56,780,851	404,333			Principle of claim issued -DHC/Dasu/CGGC/MW-01/cad/21-491 dated 17th Nov 2021
10	MW-01/C-10 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to "Force Majeure- strike by 80 Members Dam Committee" - [13/10/2019]					<i>The Engineer replied on 25-Oct-2019.</i> <i>CGGC/MW-01/CD/DHC-510 dated 29th October 2019</i> <i>DHC/DASU/CGGC/MW-01/you/19-401 dated 2-Nov-2019</i> <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				<b>Engineer's principle of claim sent on 12-01-2021</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 9/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract. <b>Principle of Claim denied.</b>
13	Claim for Crusing Plant and Batching Plant	Contractor submitted detail claim on 4-09-2019					<i>The payment made in IPCs on pro-rata basis.</i>
14	MW-01/C-13 Firing incident at River Diversion inlet area	Contractor submitted detail claim on 22-03-2021	224,592,226				Engineer Replied on 25-02-2021 (Ref:090). . <b>Under Review by the Engineer</b>
15	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					<b>Engineer's principle of claim sent on 26-03-2021</b> <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					Engineer Replied on 12-08-2021 (Ref:358). <b>Contractor's substantiation awaited.</b>
<b>Total Additional Cost</b>			<b>152,971,684</b>	<b>404,333</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 . Principle of claim approved. <b>Contractor's substantiation for Additional cost and EOT awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.</b>
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>
3	MW-02/C-03 Disruption Claim - [Work Hindrance by Local Residents]	Contractor submitted on [24/07/2020] first Interim disruption Claim for the Period up to Jan 2019	2,105,168				<b>Engineer's principle of claim sent on 14-01-2021</b>
4	MW-02/C-04 Delay in Issuance of Drawings	The Contractor has notified the intent to claim due to delay in the review of shop drawings - [29/10/2018]					The Engineer (date 5 Nov. 2018) replied. <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>
6	Work Stoppage due to Labour Strike	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - [17/04/2019]	18,371,545				Formal notification of the Contractor's intention to claim was provided outside of the 28 days' time-bar- [Ref: date 8-May-19] <b>Claim denied.</b>
7	MW-02/C-06	Notice of Intent to Claim - Landslide Incident at Khoshe					Engineer replied dated 27-Jul-2019] (Ref:126)

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	Landslide Incident at Khoshe Labour Camp	Labour Camp - [26/06/2019]					<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			Principle of claim issued -DHC/Dasu/CGGC/MW-02/cad/21-215 dated 25th Nov 2021
9	MW-02/C-08 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to "Force Majeure- strike by 80 Members Dam Committee" - [13/10/2019]					The Engineer replied on 25-Oct-2019 CGGC/MW-02/CD/DHC-306 dated 29th October 2019 DHC/DASU/CGGC/MW-02/you/19-207 dated 2- Nov 2019 <b>EOT Claim to be considered in revised time for variation</b>
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				<b>Engineer's principle of claim sent on 12-01-2021</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>
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. <b>Contractor's cost substantiation is awaited.</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>
14	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					<b>Engineer's principle of claim sent on 26-03-2021</b> <b>Principle of 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					Engineer Replied on 12-08-2021 (Ref:144). <b>Contractor's substantiation awaited.</b>
<b>Total Additional Cost</b>			<b>64,889,257</b>	<b>193,215</b>			
<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 6-Feb-2019 (Ref:033)
2	LBRV-11/C-2U Unified the Work stoppage's claim nos. C-02, C-03, C-04, C-05 under LBRV-11/C-2U dated 20-09-2019	On 03/03/19, Contractor submitted Idle Cost Claim Works' stoppage linked to land acquisition issues	22,075,487		2,530,207		The Engineer submitted his initial assessment on 16/09/20. Employer commented on 5/10/20. Engineer replied on 14/10/20. Contractor disagree with Engineer's assessment. Engineer advised to have meeting on subject issue. The Engineer has evaluated the claim and submitted to the Employer on 5th May 2021.
4	LBRV-11/C-07 Suspension of Works and unforeseeable physical conditions	On 11/09/19, Contractor submitted Notice of Claim - Unforeseeable Man-Made Physical Obstructions and Suspension of Works at RD 0+ 730 on Khoshe Site-1 Permanent Access Road					The responsibility for the safety-related issues rests with the Contractor. Hence, Sub-Clause 4.12 [Unforeseeable Physical Conditions] seems irrelevant under the prevailing Site conditions. DHC letter 21-Sep-2019 (153). Contractor's letter: 21-Oct-2019 DHC's letter: 29-Oct-2019
5	LBRV-11/C-08 Claim due to outbreak of Corona Virus (COVID-19)	On 28/03/20, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure].					Engineer replied dated 8-April-2020 (Ref:044)
6	LBRV-11/C-09 Idle Cost Claim and Extension of Time due firing incidence at Logro Tunnel	On 11/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.	1,068,116.00		256,280.00		Engineer acknowledge the receipt of notice on 24-Feb-2021 (Ref: 029) The principle of claim has been forwarded to the Contractor on 5th April 2021. On 23rd ctober 2021, the Engineer's Assessment has been forwarded to the Contractor as well as to the Employer for their comment/agreement. The Contractor has shared his consent on the Engineer's assessment on 04th Nov 2021 which is forwarded to the Employer.
7	LBRV-11/C-10 Idle Cost Claim and Extension of Time due work stoppage by locals	The Contractor has submitted monthly interim claims from March 2021 to October 2021 . The Engineer on the Contractor's request has unify these claims and called as	16,309,614		5,311,025		The Engineer issued his assessment on 13th December 2021. The Contrctor shared his consent on 16th Dec 2021.

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		1st interim claim 2nd Interim Claim. From November 2021 to February 2022	3,502,800		3,444,420		The Engineer has issued his assessment to both the Parties on 16th March 2022 for their consent. The Contractor has submitted his consent on 19th March 2022. Employer accorded approval to pay in IPC 19-05-2022
8	LBRV-11/C-11 Prolongation Cost Claim for 1st Extension of Time due to non possession of sites	on 2nd May 2021, Contractor has submitted prolongation cost claim for 1st interim Extension of Time (EOT) from 26th Dec 2019 - 4th Dec 2020	319,093,549		4,083,592		
8	LBRV-11/C-13 Cosr Claim for the recovery of Loss	on 5th March 2022, the Contractor has submitted notice of claim related to the cost claim for the recovery of loss due to the omission of Works under LBRV-11					The Engineer on 9th March 2022 acknowledged the Contractor's notice of claim and instructed him to follow strictly the time line for the submission of detailed claim.
<b>Total Additional Cost</b>			<b>22,075,487</b>	-	<b>15,625,524</b>	-	
<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					Engineer replied on 11-Feb-2019 (Ref:016). No further particulars submitted by the Contractor to date
2	LBRV-12/C-02 Nasirabad-2 Site's Access Road	On 18/03/19, Contractor notified Claim -Due to Stoppage Work at Nasirabad-2 Site's Access Road					Engineer replied dated 2-April-19 (Ref:027)Contractor's submission dated 2-May-19 (Ref:028)Engineer replied dated 6-May-19 (Ref:033)
3	LBRV-12/C-02a Nasirabad-1 & 2 Site's Access Road	on 22/09/2019 Contractor notified Claim -Due to Stoppage Work by 80 member dam committee at Nasirabad-1&2 Sites.	1,341,148.80		547,679		Employer accorded approval to pay in IPC 22-12-2021 <b>Claim Paid</b>
4	LBRV-12/C-03 Extension of Guarantees	On 31/05/19, Contractor notified Claim for Additional Costs for extending performance & advance security					Engineer replied dated 10-Jun-2019 (Ref:043 & 044) This claim has merged in "LBRV-12/C-06
5	LBRV-12/C-04 Claim due to outbreak of Carona Virus (COVID-19)	On 28/03/20, Contractor notified Force Majeure under Sub-clause 19.2 [Notice of Force Majeure].	Nil	Nil	Nil	Nil	Engineer replied dated 8-April-2020 (Ref:044)
6	LBRV-12/C-05 Idle Cost Claim and Extension of Time due firing incidence at Logro Tunnel	On 11/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.	516,020.00		186,077.00		Employer accorded approval to pay in IPC 27-04-2022
7	LBRV-12/C-06 Prolongation Cost Claim for 1st Extension of Time due to non possession of sites	on 2nd May 2021, Contractor has submitted prolongation cost claim for 1st interim Extension of Time (EOT) from 26th Dec 2019 - 7th Nov 2020	265,758,451.00		6,951,054.00		The principle of claim has been forwarded to the Contractor on 10th June 2021. The Engineer on 24th January 2022 submitted the revised Engineer's assessment to the Employer and to the Contractor. The Contractor conveyed his consent on the Engineer's assessment on 29th January 2022.
8	LBRV-12/C-07 Delay in issuance of Drawings	The Contractor on 5th August 2021, has submitted a 1st, 2nd and 3rd interim claim regarding the non issuance of constructions drawings of mosque due to delay in finalization of Mosque location.					The principle of claim has been forwarded to the Contractor and to the Employer on 20th Sep 2021
9	LBRV-12/C-08 Cosr Claim for the recovery of Loss	on 5th March 2022, the Contractor has submitted notice of claim related to the cost claim for the recovery of loss due to the omission of Works under LBRV-12					The Engineer on 9th March 2022 acknowledged the Contractor's notice of claim and instructed him to follow strictly the time line for the submission of detailed claim.
<b>Total Additional Cost</b>			<b>267,615,620</b>	-	<b>7,684,810</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 22-Jun-2019 (Ref:061)
2	PCI-01R/C-02 Delay in issuance of Drawings	On 03/09/19, Contractor claim Extension of time for delay in issuance of construction drawings. July 1st 2019 to Aug. 22 2019	183,457,765				Engineer considers that the late issuance of construction drawings of residence category 1 & 2 didn't cause any impacts on the Works. The Engineer replied on 26-Aug-2019 (Ref:113), and 29-Aug-2019 (Ref:118) The Engineer replied on 27-Sep-2019 (147) The Contractor's submission only signifies the provision of cost records for expenses.

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							<i>The Engineer submitted the Project's Manager explanatory note on 5th August 2021</i> <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. Waiting for the Contractor to submit record to substantiate his claim
4	PCI-01R/C-04 Claims for Additional Time due to a Works' stoppage linked to Rainfall	On 07/11/19, Contractor submitted claim due to Construction Works at the site has been stopped due to exceptionally adverse climatic conditions, and inclement rainfall started on 5th November 2019 and continued till 7th November 2019					The Engineer replied on 14-11-2019 Rejected
5	PCI-01R/C-05 Claim due to outbreak of Carina Virus (COVID-19)	On 16/04/20 and 16/05/20, Contractor submitted two interim claim for Coronavirus Force Majeure that lockdown in parts and parcels, causing major deficiency in supply & transport of materials and manpower required for the Project.					Principle of Cost Claim rejected dated 25-July-2020 (Ref:244)
6	Additional Test-Petrographic	On 04/06/20, Contractor submitted EOT and Cost plus profit	462,483				Principle of Claim was rejected dated 7-July-2020 (Ref:229)
7	PCI-01R/C-05 Claim due to shortage of Fuel	On 25/06/20, Contractor submitted claim for extra time and additional Cost due to unavailability of Fuel under Sub-Clause 19.4 read with Sub-Clause 20.1.					Engineer replied dated 29-June-2020
8	PCI-01/C-06 Cost Claim for suspension of work of external water supply to Uchar Resettlement Site-1	On 23/01/2021 Contractor submitted cost claim with notice to claim under Sub-Clause 12.3 for suspension of work on Engineer's instruction	335,743				Engineer replied dated 23-Feb-2021 (Ref: 078) and requested the Contractor to submit detailed particulars to substantiate his claim.
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>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 28-Dec-2019
2	RV/C-01 Works' stoppage by the original landowners at Shatial Museum Site	On 14/01/20, Contractor notified Claim for Additional Costs and Time due to a Works' stoppage by the original landowners at Shatial Museum Site					The Engineer's letter dated 22-Jan-2020
3	RV/C-03 Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	On 29/09/20, Contractor submitted claim for Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	38,780,332			3,211,573	Project Manager shared his assessment to the Employer and to the Contractor on 24-05-2022
4	RV/C-04 Coronavirus	On 09/04/20, Contractor notified Corona Virus Pandemic affecting its material transportation. Which delays the progress of Works' at the site and resultantly affecting the completion of the project.					The Engineer's letter dated 29-April-2020
5	RV/C-05 Prolongation Cost Claim for 1st Extension of Time due to non possession of sites	On 21st September 2021, Contractor has submitted prolongation cost claim for 1st interim Extension of Time (EOT) from 26th Dec 2019 - 7th Nov 2020	89,480,364				The Engineer's commented on the Contractor's submission dated 14-October-2021. The Contractor has withdraw his claim and re-submitted it on 29th March 2022.
6	RV/C-06 Hindrance at Site and Non Issuance of Drawing, Masjid Location and Non-Approval of Extension of Time	On 26 October 2021, Contractor has submitted Early Warning under Clause 31 and provided his intention to claim under Clause 27 & 42					The Engineer's on 09-November-2021 registered the claim and requested the contractor to maintain and submit contemporary record regard the events.

# **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				
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 (p)	-	5,339,122	Request for Proposal [Dated 17-07-2020]. Employer's approval of variation received on 17-July-2020. Instruction for execution of Varied Works [Dated 20-07-2020]. Draft VO issued on 28-04-2022

**Status of Issued Variations for KKH-01**

Sr. No.	VO Description and Number	Contractor proposal/Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Security Building (dated 29-01-2017)]	9,155,532	-	9,155,532	Previous RCC building changed to Prefabricated building. Revised Instruction issued on 16-10-2020.
2	VO-002: Relocation of Explosive Magazine	6,911,084	-	6,911,084	Singed VO Issued on 25-3-2020
3	VO-003: Slope Stabilization at certain areas of Barseen, Kaigah and Khoshe Section	99,638,316	-	99,638,316	Variation Order signed on 7-Sep-2020
4	VO-004(R): Water Supply Scheme at Kuz Chuchang (K5+500).	663,964	-	663,964	Singed VO Issued on 02-06-2021
5	VO-005: Change in design due to re-alignment and addition of tunnels, bridges and culverts	29.413 Billion	7.028 Billion	22.384 Billion	Singed VO Issued on 14-05-2022
6	VO-006: Construction of Safety Barriers around Schools	5,034,513	-	5,034,513	Singed VO Issued on 23-05-2022
7	VO-007: Mitigation Measures for Traffic Safety of Existing KKH	12,586,461	-	12,586,461	Singed VO Issued on 22-05-2022
8	Relocation of Water Supply Facilities in Uchar Village Situated within ROW of the Spoil Dumping Site at Uchar	11,616,918 (p)	-	11,616,918	Final Variation Order was ready, however, Contractor has not signed yet. Work has been completed. Provisional Interim payment was made.

**Status of Issued Change Orders for TL-01**

Sr. No.	VO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	CO-001: [Backfilling with concrete instead of filling with Borrow Material in the foundations of the 132 KV Towers]	62,328,200	-	62,328,200	The Employer Issued formal Change Order on 6-Dec-2019. Work is inprogress.



2	CO-002: Double Circuit 220kV type Towers with twin bundle "Rail" Conductor from NTDC's Tower no. JKD-5 to Keyal Khwar HPP instead of Single Circuit ZM type Tower with LYNX from Dubair Khwar HPS to Keyal Khwar	187,054,511	-	187,054,511	The Employer Issued formal Change Order on 3-July-2020.
3	CO-003: Procurement, Installation, Construction and Erection of Tower Types ED & EG.	40,978,335 (p)	25,651,753	15,326,582	Contractor has submitted revised proposal with Dug Foundation on 2-April-2020. Revised proposal cost is 40,978,335. PM sent Draft of Pending Change Order to Employer on 6-July-2020. Employer issued Pending Change Order on 14-7-2020.
4	CO-004: Providing and laying of random rubble masonry and backfilling of retaining wall located at the grid station	-	-	-	Pending Change order issued by the Employer on 11-03-2022

**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]	772 million(p)	-	772 million(p)	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 million(p)	-	1,275 million(p)	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-034 dated 16th January 2022.
3	VO-03 : Diversion Tunnel Variation [Excluding Price Adjustment amount]	19,804,974,224	-9,285,141,634	10,519,832,590	Variations issued on DHC/Dasu/CGGC/MW-01/CAD/21-499 dated 23rd November 2021
4	VO-04 : Varied Works for the traffic Diversion utilizing the LB Flushing Tunnel [Excluding Price Adjustment amount]	952 million (p)	-	952 million (p)	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-030 dated 16th January 2022.
5	VO-05 : Land Lease for Contractor's Facilities at Purana Gao-Seo Area Phase -1	81,944,089	-	81,944,089	Variation Order signed and issued on 4-July-2020

**Status of Issued Variations for MW-02**

Sr. No.	VO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO/001: Varied Works for Main Access Portal/Tunnel	45,676,850 (p)	-	45,676,850 (p)	The Contractor submitted his proposal on 30-Jul-2019. Extensive discussion are going on to get the agreement of parties on rates to avoid potential dispute. Provisional rates are applied for payment in IPC.

**Status of Issued Variations for PCI-01R**

Sr. No.	VO Description and Number	Contractor's Proposal/ Engineer's Estimate (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Providing and Applying Emulsified Bitumen 2kg/m <sup>2</sup>	13,087,205	-	13,087,205	Draft variation submitted to Employer for review and Contractor for signature on 25/03/2021. The Employer has provided his consent/approval.
2	VO-002: Omission of Works related to Raw Water Tank and Slow Sand Filter		(177,610,489)		The Engineer submitted VO for omission of these works to the Employer on 06 October 2020. The Employer has provided his consent/approval.
3	VO-003: Supply and Installation of 20mm uPVC pipe for A/C drainage	2,579,200	-	2,579,200	Draft variation submitted to Employer for review and Contractor for signature on 27/03/2021. The Employer has provided his consent/approval.

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4	VO-004: Supply, fabrication and Installation of window safety grill for project colony buildings	49,508,680	-	49,508,680	The Engineer has submitted the VO to the Employer on 7th June 2021. The Employer has provided his consent/approval.
5	VO-005: Providing and installation of 20mm x 20mm metal lath of 18 Guage in Plaster Works	10,259,865	-	10,259,865	The Engineer has submitted the VO to the Employer on 9th June 2021. The Employer has provided his consent/approval.
4	VO-006: Supply, Installation & Commissioning of Overhead Water Tanks for Project Office & Residences Category-2 Buildings	3,229,430	-	3,229,430	The Engineer instructed the Contractor to submit the quotation of atleast 3 suppliers on 26 December 2020. The Contractor submitted quotation on 03/03/2021. The Employer provided his consent.
5	VO-006: Internal Electrification of Project Office Mumty	4,176,933	-	4,176,933	The Contractor on 25 November 2020 submitted lumpsum cost proposal for project office mumty electrification. The Engineer on 04 January 2021 instructed the Contractor to submit the rate analysis on unit rate basis.
6	VO-007: Providing & Installation of geotextile on weep holes before the backfilling of retaining walls complete in all respect	371,670	-	371670(p)	The Engineer on 9th Aug 2021 has issued a draft VO via letter DHC/Dasu/WAPDA/PCI-01R/CAD/21-209 to the Employer and to the Contractor for review and consent. The Employer has provided his consent/approval.
7	Water Supply from Indus River (2nd Stage)	93,076,945 (p)	-	93,076,945 (p)	The Engineer on 13th August 2021 has issued the rates of the pumped water supply system (2nd Stage) from existing KKH to colony water tank for the Contractor's review. The Contractor is also instructed to commence the works. 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.
8	VO-008: External Water Supply to Uchar Site-1	8,466,376	-	8,466,376 (p)	The Engineer had issued a draft VO on 19th August 2021 via letter DHC/Dasu/WAPDA/PCI-01R/CAD/21-221 against which the Contractor has conveyed his consent as on 21st August 2021
9	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.
10	<b>VO-011:</b> VO-011-1: Increase in hanger sizes for false ceiling at Project Office Building VO-011-2: Supply and installation of Expansion Joint Filler and Baker rod in Colony buildings	4,205,899		4,205,899	The Engineer on 22 April 2022 has issued a draft VO via letter DHC/Dasu/CGICOP/PCI-01R/CAD/22-116 to the Employer and to the Contractor for review and consent.

**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	The Engineer has issued the duly signed VO on 2nd June 2021
2	VO-002- Slope Protection at Uchar Site-1	36,269,633	-	36,269,633	The Engineer has issued the VO to the Employer on 7th June 2021

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3	VO-003- Slope Protection at Khoshe Site-1	117,010,745	-	117,010,745	The Contractor has submitted the unit rates for the slope protection works which are finalized by the Engineer agreed by the Contractor. The VO-003 issued on 31st Dec 2021.
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**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

**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

# **APPENDIX I**

## **Contract Information**



**Appendix I: Contract Information**

<b>CONTRACTS AWARDED</b>													
Sr. #	Contract ICB No.	Opening of bid	Letter of Acceptance	Signing of Contract	Date of Commencement	Time for Completion (days)	Original Completion Date	Accepted Contract Amount	Accepted Contract Amount in USD	Accepted Contract Amount in USD	IPC Total Certified Amount	Revised Completion Date	Remarks
<b>Main Works Contracts</b>													
1	DASU-MW-01	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2039	22-Jan-23	PKR 115,003,461,240	1,102,621,872	1,102,621,872	29,303,984,012		Work Inprogress
2	DASU-MW-02	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2069	21-Feb-23	PKR 64,426,426,087	617,703,031	617,703,031	10,510,966,219		Work Inprogress
3	DASU-EM-01	28-Feb-18	22-Oct-19	25-Nov-19	20-May-20	1856	19-Jun-25	PKR 25,471,001,920	230,506,805	474,490,805	480,570,192		Work Inprogress
<b>Preparatory Works Contracts</b>													
1	DASU-KKH-01	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	546	20-Feb-17	PKR 14,538,852,307	144,334,878	144,334,878	6,644,229,360	13-Dec-19	Work Inprogress. EOT Subject to Variation-005 time
2	DASU-RAR-01	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	364	22-Aug-16	PKR 2,713,972,595	26,943,042	26,943,042	1,784,905,057	16-Jul-20	Work Inprogress. EOT underprocess.
3	DASU-TL-01	25-Sep-14	03-Mar-15	24-Apr-15	02-Nov-15	230	18-Jun-16	PKR 1,583,325,237	15,833,252	17,851,179	1,400,201,492	17-May-20	Work Inprogress. EOT underprocess.
4	DASU-PCI-01	30-Jun-15	26-Oct-15	17-Nov-15	02-May-16	728	30-Apr-18	PKR 4,806,000,000	47,210,216	47,210,216	961,199,971		Terminated
5	DASU-PCI-01R	22-Nov-17	27-Aug-18	18-Oct-18	20-May-19	728	17-May-21	PKR 4,900,000,009	46,423,496	46,423,496	2,489,305,374		Work Inprogress EOT underprocess.
6	DASU-RV	02-Sep-15	17-Nov-15	15-Dec-15	15-Dec-15	546	13-Jun-17	PKR 571,953,818	5,618,407	5,618,407	114,390,751	16-May-22	Terminated
7	DASU-RV (Re-bid)	22-Nov-17	23-Apr-19	18-Jun-19	18-Jun-19	546	15-Dec-20	PKR 654,815,181	6,203,839	6,203,839	265,085,736		Work Inprogress. EOT granted
8	DASU-KKH-02	27-Oct-15	27-Feb-17	25-Apr-17	To be Decided	728	Depend on Comencement	PKR 16,264,917,100	155,727,101	155,727,101	3,252,983,438		Notice of Commencement not issued yet
9	DASU-RAR-02	27-Oct-15	22-Jun-16	18-Jan-17	20-May-21	728	18-May-23	PKR 6,253,407,194	59,872,729	59,872,729	1,269,138,634		Work Inprogress.
10	DASU-LBRV-11	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,120,509,415	10,687,172	10,687,172	599,274,190	04-Dec-20	Work Inprogress. 2nd EOT underprocess.
11	DASU-LBRV-12	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,016,820,466	9,698,210	9,698,210	395,254,015	07-Nov-20	Work Inprogress. 2nd EOT underprocess.
12	DASU-RBRV-11	18-Aug-16	27-Feb-17	25-Apr-17	To be Decided	364	Depend on Comencement	PKR 370,939,497	3,522,692	3,522,692	74,187,844		Notice of Commencement not issued yet



# **APPENDIX J**

## **Contract Status of Guarantee and Insurance**

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**Appendix J: Contract Status of Guarantee and Insurance**

Sr. #	Contract ICB No.	Advance Guarantee		Performance Guarantee		Insurances				
		Amount	Expiry Date	Amount	Expiry Date	CAW (18.2)	CPM (18.2)	TPL (18.3)	WC (18,4)	Marine Carggo (Import/Inland)
1	DASU-MW-01	PKR 5,556,438,372.00 USD 56,988,569.00	14-Jan-2023	PKR 5,556,438,372.00 USD 56,988,569.00	22-Sep-2023	22-Jan-2023	22-Jan-2023	22-Jan-2023	15-Jul-2022	N/A
2	DASU-MW-02	PKR 3,326,067,613.00 USD 29,880,873.00	13-Jan-2023	PKR 3,326,067,613.00 USD 29,880,873.00	22-Oct-2023	22-Feb-2023	22-Feb-2023	22-Feb-2023	15-Jul-2022	N/A
3	DASU-KKH-01	USD 7,257,158.00 PKR 2,176,756,968.00	12-Sep-2022	PKR 1,453,885,230.70	31-Dec-2022	30-Apr-2022			31-Jul-2022	N/A
4	DASU-RAR-01	PKR 379,956,164.00 USD 1,616,583.00	31-Dec-2022	PKR 271,397,259.50	31-12-2022	31-Dec-2022			31-Dec-2022	N/A
5	DASU-TL-01	PKR 166,340,724.00 USD 338,582.75	11-Nov-2022	PKR 178,862,944.00	20-Jan-2023	4-Aug-2022			4-Aug-2022	4-Aug-2022
6	DASU-KKH-02	PKR2,146,910,052.00 USD 10,590,008.00	30-Aug-2023	PKR 1,073,455,026.00 USD 5,295,004.00	20-Apr-2024					
7	DASU-RAR-02	PKR 833,528,863.00 USD 3,993,993.00	31-Mar-2023	PKR 625,340,719.00	30-Sep-2024	17-Aug-2023		17-Aug-2023	15-Jul-2022	
8	DASU-LBRV-11	PKR 83,204,565.00 USD 1,343,848.00	23-Aug-2022	USD 671,924.00 PKR 41,602,282.00	3-Dec-2022	25-Jun-2022	25-Dec-2022	25-Jun-2022	10-Jun-2022	N/A
9	DASU-LBRV-12	PKR 75,233,228.00 USD 1,222,084.00	23-Aug-2022	USD 611,042.00 PKR 37,616,614.00	6-Nov-2022	25-Aug-2022	25-Dec-2022	25-Aug-2022	10-Aug-2022	N/A
10	DASU-RBRV-11	PKR 54,937,530.00 USD 182,814.00	24-Aug-2024	PKR 27,468,765.00 USD 91,407.00	24-Aug-2024					
11	Dasu-PCI-01R	PKR 726,119,002.00 USD 2,405,316.00	1-Apr-2023	PKR 363,059,501.00 USD 1,202,658.00	22-Feb-2023	20-May-2021	19-May-2022	20-May-2021	19-May-2022	N/A
12	Dasu-RV	PKR 107,474,520	30-Sep-2022	PKR 65,481,520	14-Nov-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	14-Jun-2022	N/A



# **APPENDIX K**

## **Summary of Daily Work Records of MW-01 & MW-02**

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**Appendix K: Summary of Daily Work Records of MW-01 & MW-02**

**Daily Work Records of MW-01**

**April 2022**

	<b>21 Thu.</b>	<b>22 Fri.</b>	<b>23 Sat.</b>	<b>24 Sun.</b>	<b>25 Mon.</b>
<b>Diversion Tunnel A INLET</b>	Right Wall K0+002.3 -0-033 Install of reinforcement bars and removing of formwork Left Wall K0+002.3-0-033 Install of reinforcement bars Pouring of concrete (480m3) Middle pier K0+002.3-0-035 Install of reinforcement bars and fixing of form work	Right Wall K0+002.3-0-033 Install of formwork Left Wall K0+002.3-0-033 Green cut +chipping works Middle pier K0+002.3-0-035 Removing of formwork and Install of reinforcement for next lift	Right Wall K0+002.3-0-033 Fixing, welding and tightening of formwork Pouring of concrete 22:50-6:30Hrs 360m3 Left Wall K0+002.3-0-033 Curing and steel fixing for next lift Middle pier K0+002.3-0-035 Install of reinforcement for next lift	Right Wall K0+002.3-0-033 Pouring of concrete Total quantity poured 520m3 Left Wall K0+002.3-0-033 Steel fixing Middle pier K0+002.3 -0-035 Install of reinforcement and formwork	Right Wall K0+002.3-0-033 Removing of formwork Left Wall K0+002.3-0-033 Steel fixing steel shifting and fixing Middle pier K0+002.3-0-035 Fixing of formwork
<b>Diversion Tunnel A UNDER GROUND</b>	Right side 0+550-0+500 Excavation and mucking Right side K0+550-0+590 Invert cleaning Left wall K1+456.5 -1+472 Right wall K1+456.5-1+463 Fixing of formwork	Right side K0+550-0+590 Invert cleaning for lean concrete Concrete pouring Total quantity poured 208m3 Right side K0+520-0+500 Invert excavation and mucking Right side K0+550-0+500 Invert cleaning for lean concrete Right side K0+450-0+500 Invert excavation and mucking Right and left wal K1+456-1+472 Fixing of formwork K1+444.5-1+456.5 Arrangements for backfill grouting at crown Backfill grouting	Right side K0+550-0+510 Invert cleaning for lean concrete Left side K0+800-0+750 Invert excavation and mucking Left wall K1+456 -1+479 Fixing of formwork K1+444.5-1+456.5 Backfill grouting K1+456.5-1+463 Right Wall Fixing of formwork and arrangements for backfill concrete	Right side K0+550-0+510 Invert cleaning for lean concrete Right side K0+510-0+470 Invert excavation and mucking Left wall K1+456-1+479 Fixing of formwork K1+456.5-1+467.05 Right Wall Fixing of formwork and Concrete pouring Total quantity poured 48m3 K1+456.5-1+478 Left Wall Concrete pouring Right Wall K0+002.3-0-033 Removing of formwork Left Wall K0+002.3-0-033 Steel fixing Middle pier K0+002.3-0-035 Fixing of formwork	Right side K0+550-0+510 Invert cleaning for lean concrete Right side K0+510-0+480 Invert cleaning for lean concrete Right side K0+400-0+450 Invert excavation and mucking Left wall K1+456 -1+479 Pouring of backfill concrete Total quantity poured 94.8m3
<b>Diversion Tunnel B INLET</b>	Middle Pier K0+002.3-0-035 Install of reinforcement bars Right wall K0+002.3-0-033 EL.779.4-781.5 (7th Lift) Pouring of concrete Total quantity poured (A-25) = 320m3 Green cutting Left wall K0+002.3-0-033 Install and fixing of formwork K0+020-0+041 Erection of scaffolding Part No.1 Left wall K1+002.3 -0+019 Pouring of concrete (123m3)	Middle Pier K0+002.3 -0-035 Fixing of formwork Left wall K0+002.3-0-033 Fixing of formwork K0+020-0+041 Erection of scaffolding Part No.1 Left wall K0+002.3-0+019 Fixing of reinforcement	Middle Pier K0+002.3 -0-035 Fixing of form work Right wall K0+002.3 -0-033 Curing of concrete K0+020-0+041 Erection of scaffolding Part No.1 Right wall K0+002.3-0+019 Fixing of reinforcement	Middle Pier K0+002.3 -0-035 Fixing of form work Right wall K0+002.3 -0-033 Green cut Steel fixing Part No.1 Right and left wall K0+002.3-0+019 Fixing of reinforcement Part No.2and 3 Right and left wall Scaffolding fixing and making access for crown concreting	Right wall K0+002.3-0-033 Removing of form work Middle Pier K0+002.3 -0-035 Install and welding of formwork and fitting of concrete pipe line Concrete pouring Part No.1 Right and left wall K0+002.3-0+019 Fixing of reinforcement Part No.2and 3 Right and left wall Scaffolding fixing and making access for crown concreting
<b>Diversion Tunnel B UNDER GROUND</b>	Shear zone area Part No.01 Left wall K0+290 -0+302 Install of reinforcement bars Right wall K0+290-0+302 Install of reinforcement bars Part No.02 Left wall K0+302 -0+314 No work Part No.03 Left wall K0+314-0+327 Welding of support bars Fixing of formwork Right wall Install of reinforcement bars Part No.04 K0+327 -0+339 No work Part No.05 K0+339-0+350 EL.768.10-770.60 3rd Lift Pouring of concrete Quantity poured 54m3 Left wall EL.768.10-770.60 3rd Lift Removing and cleaning of formwork D/S Left wall 1+263.022-1+269.8 Fixing of reinforcement	Shear zone area Part No.01 Left wall K0+290-0+302 Install of reinforcement bars Part No.02 Left wall K0+302-0+314 No work Part No.03 Right and Left wall K0+314-0+327 Fixing of formwork Part No.04 K0+327-0+339 No work Part No.05 K0+339-0+350 Right wall EL.768.10-770.60 3rd Lift Pouring of concrete Quantity poured 54m3 Left wall EL.768.10-770.60 3rd Lift Removing and cleaning of formwork D/S Left wall 1+263.022-1+269.8 Fixing of reinforcement	Shear zone area Part No.01 Left wall K0+290-0+302 Fixing of formwork Part No.02 Right and Left wall K0+302-0+314 Install of reinforcement bars Part No.03 Right and Left wall K0+314-0+327 Fixing of formwork Part No.04 K0+327-0+339 No work Part No.05 Left wall K0+339-0+350 Install of reinforcement bars Part No.05 Right wall K0+339-0+350 Removing of formwork D/S Left wall K1+261- Fixing of reinforcement steel lifting chipping of concrete surface	Shear zone area Part No.01 Left wall K0+290 -0+302 Fixing of form work Part No.01 Right wall K0+290-0+302 Welding of support bars to fix formwork Part No.02 Left wall K0+302 -0+314 Install of reinforcement bars Part No.03 Right and Left wall K0+314-0+327 Scaffolding fixing and access making Pouring of concrete Total quantity poured 74m3 Part No.04 K0+327-0+339 No work Part No.05 Left wall K0+339-0+350 Install of reinforcement bars Part No.05 Right wall K0+339-0+350 D/S Left and Right wall K1+261- Fixing and tightening of formwork	Shear zone area Part No.01 Left wall K0+290 -0+302 Fixing of formwork Part No.01 Right wall K0+290-0+302 Install of reinforcement bars Part No.02 Left wall K0+302 -0+314 Install of reinforcement bars Part No.03 Right wall K0+314-0+327 Fixing of formwork Pouring of concrete Total quantity poured 72m3 Part No.04 K0+327-0+339 No work Part No.05 Left wall K0+339-0+350 Install of reinforcement bars

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**Appendix K [2/26]**

	reinforcement , Chipping work and curing of concrete Curing of concrete of both walls			Crown K1+261~ steel fixing	
<b>Traffic Diversion Tunnel</b>	K0+343-0+346.5 Charging :Blast at 7:10Hrs Mucking and scaling Mapping (Q value = 1.33) 1st layer of shotcrete (6m3) K0+346.5~ Survey for blast Drilling for blast Charging 00:25Hrs~ 1:00Hrs (Explosive used 250kg)	K0+346.5~ Mucking and scaling Mapping (Q value = 1.33) 1st layer of shotcrete 8m3 K0+310 ~0+320 2nd layer of shotcrete 8m3 K0+315 ~325 and k0+340-0+346 Drilling for rockbolts grouting Portal El.870 Drilling for blast Charrging for blast	K0+340-347 Grouting of rockbolts 40 pcs grouted and installed K0+305~ 330 Grouting of missing rockbolts 12 pcs grouted and installed K0+351 Survey for blast Drilling for blast charging for blast Blast 14:50 K0+351~ Mucking and scaling Mapping sprayed 1st layer of shotcrete 6m3 K0+315 ~320 sprayed 2nd layer of shotcrete 16m3 Portal El.870 Making access to portal top and hand drilling for blast	K0+352.7~ Survey for blast Drilling for blast K0+350-352 Drilling for Rockbolts K0+352.7~ charging for blast Blast 13:25 Mucking and scaling Install of thickness pins sprayed 1st layer of shotcrete Survey for blast 0+354~ Drilling for blast Portal El.870 Drilling for blasting charging for blasting Blasting 13:05	K0+354~ charging for blast Blast 08:04 Mucking and scaling Geological mapping K0+354~355.5 sprayed 1st layer of shotcrete K0+355.5~ Survey for blast Drilling for blast K0+350~ 355 Driling for rockbolts Grouting and install of rockbolts Total 38 pcs grouted and installed 1 piece collapsed K0+355.5~ Drilling for blast Portal El.870 Excavation and removing loose material
<b>Uchar New Crushing plant</b>	Access road Retaining wall No. 2 Excavation and mucking and making access near Retaining wall No.02 Retaining wall No. 4 Stone masonry and back filling Stone masonry and back filling Retaining wall No. 07 Excavation and making access near Retaining wall No.07 Crush plant gallery foundation Fixing of reinforcement bars for crush plant Drilling for boulder blast	Retaining wall No. 2 K0+080-090 Stone masonry Retaining wall No. 4 Stone masonry Retaining wall No. 4 K0+110~ Excavation and mucking Excavation and mucking Crush plant gallery foundation Fixing of reinforcement bars for crush plant Drilling for boulder blast	Drilling for boulder blast Retaining wall No. 2 K0+080-090 Stone masonry Retaining wall No. 4 K0+110~ Excavation and mucking Crush plant gallery foundation Fixing of reinforcement bars for crush plant	Drilling for boulder blast Making access road from uchar Nallah Retaining wall No. 2 K0+80-90 Stone masonry and excavation and mucking Retaining wall No. 4 K0+110~ Excavation and mucking Crush plant gallery foundation Fixing of reinforcement bars for crush plant	Drilling for boulder blast Charging for shallow hole blasting Retaining wall No. 2 K0+080-090 Stone masonry and also excavation and mucking Retaining wall No. 4 K0+110~ Excavation and mucking Crush plant gallery foundation Fixing of reinforcement bars for crush plant concrete pouring Total quantity poured 68m3
<b>CR-5-2 / LU-2</b>	CR-5-2 K0+290~ Drilling for blast Charging (Explosive used = 25kg) Blast at 11:30Hrs Excavation with excavator	CR-5-2 K0+295~ Excavation with excavator	CR-5-2 K0+360~ Excavation with excavator K0+350-356 Charging for blast Blast 15:52	CR-5-2 K0+360~ Excavation with excavator Drilling for blast	CR-5-2 K0+260~ Charging for blast Blast 14:06

	26 Tue.	27 Wed.	28 Thu	29 Fri.	30 Sat.
<b>Diversion Tunnel A INLET</b>	Right Wall K0+002.3-0-033 Steel fixing Left Wall K0+002.3-0-033 Steel fixing Middle pier K0+002.3-0-035 Scaffolding fixing and arrangements for concrete pouring Chipping and cleaning works	Right Wall K0+002.3-0-033 Steel fixing Left Wall K0+002.3-0-033 Removing of formwork Middle pier K0+002.3 ~0-035 Pouring of concrete Total quantity poured 248m3	Right Wall K0+002.3-0-033 Steel fixing Left Wall K0+002.3-0-033 Steel fixing Middle pier K0+002.3-0-035 Curing and fixing of steel Right wall Part 3 K0+031 ~0+043 Arrangements for concrete pouring	Right Wall K0+002.3-0-033 Shifting and fixing of Steel Left Wall K0+002.3 ~0-033 Shifting and fixing of Steel Middle pier K0+002.3-0-035 Fixing of steel Right wall Part 3 K0+031~0+043 Pouring of concrete Quantity poured 64m3	Right Wall K0+002.3-0-033 Fixing of Steel Left Wall K0+002.3-0-033 Fixing of Steel Middle pier K0+002.3-0-035 Fixing of steel Right wall Part 3 K0+031~0+043 Fixing of Steel
<b>Diversion Tunnel A UNDER GROUND</b>	Right side K0+550- 0+510 Invert cleaning for lean concrete Concrete pouring Total Quantity poured 184m3 Right side K0+510- 0+470 Invert cleaning for lean concrete Right side K0+470- 0+410 Invert excavation and mucking Left side K0+810~ Invert excavation and mucking D/S K0+602~0+614 Fixing of formwork Concrete pouring Total quantity poured 248m3 Left and Right wall K1+456-1+479 Formwork fixing	Right side K0+510- 0+470 Invert cleaning for lean concrete Right side K0+450-0+410 Invert excavation and mucking Left and Right wall K1+456-1+479 Curing and chipping of concrete	Right side K0+430- 0+410 Invert excavation and cleaning Right side K0+510-0+470 Invert cleaning for lean concrete	Left side K0+800- 0+840 Invert excavation with jack hammer Right side K0+470- 0+410 Invert cleaning for lean concrete Right side K0+510- 0+470 Invert cleaning for lean concrete Pouring of concrete Quantity poured 208m3	Right side K0+470-0+430 Invert cleaning for lean concrete Left and Right wall K1+443-1+467 Manual excavation for coffer Dyke
<b>Diversion Tunnel B INLET</b>	Right wall K0+002.3~K0-033 Removing of form work Left wall K0+002.3 ~K0-033 Removing of formwork Middle Pier K0+002.3~K0-035	Right wall K0+002.3~K0-033 Curing and chipping works Left wall K0+002.3~K0-033 Removing of formwork Middle Pier K0+002.3~ K0-	Right wall K0+002.3~K0-033 Curing and chipping works Left wall K0+002 ~K0-033 Fixing of steel Middle Pier K0+002. K0-035 Removing of	Middle Pier K0+002.3 ~K0-035 chipping and steel fixing Right wall Part 1 K0+002.3~K0+019 making access for concrete placement	Left wall K0+002.3~K0-033 Fixing of scaffolding for making access for concrete placement Middle Pier K0+002.3~K0-035 chipping and steel fixing Shifting of steel Right wall

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	Concrete pouring Total quantity poured 256.5m3 Part No.2and 3 Right and left wall Scaffolding fixing and making access for crown concreting Scaffolding fixing and making access for crown concreting	035 Green cut and washing Part No.2 to Part 4 Right and left wall Scaffolding fixing and making access for crown concreting	formwork Right wall Part 1 K0+002.3~K0+019 Steel fixing Left wall Part 1 K0+002.3~K0+019 Pouring of concrete Total quantity poured 136m3 Part No.2 to Part 4 Right and left wall Scaffolding fixing and making access for crown concreting	Fixing of scaffolding Left wall Part 1 K0+002.3~K0+019 Curing Part No.2 to Part 4 Right and left wall Scaffolding fixing and making access for crown concreting	K0+002.3~K0-033 Curing of concrete Left wall Part 1 K0+002.3~K0+019 Fixing of scaffolding for making access for concrete placement Left wall Part 1 K0+002.3~K0+019 Curing Part No.2 to Part 4 Right and left wall Scaffolding fixing and making access for crown concreting
<b>Diversion Tunnel B UNDER GROUND</b>	Shear zone area Part No.01 Left wall K0+290 ~0+302 Supporting of formwork Fixing of scaffolding Part No.02 Right wall K0+302~0+314 Install of reinforcement bars Part No.03 Right wall K0+314 ~0+327 Chipping of concrete Part No.04 Right wall K0+327~ 0+339 Fixing of steel Part No.04 Left wall K0+327~0+339 Fixing of formwork Part No.05 Left wall K0+339~0+350 No work D/S Left and Right wall K1+261~ Fixing and tightening of formwork and arrangements for concrete pouring	Shear zone area Part No.01 Left wall K0+290~ 0+302 Supporting of formwork Part No.01 Right wall K0+290~0+302 Supporting of formwork Part No.02 Right wall K0+302~ 0+314 Install of reinforcement bars Part No.03 Right wall K0+314 ~0+327 No work Part No.04 Right wall K0+327 ~0+339 Fixing of steel 05 Concrete pouring Total quantity poured 71m3 Part No.04 Left wall K0+327~ 0+339 Concrete pouring Total quantity poured 71m3 Curing and chipping works Part No.05 Left wall K0+339~0+350 No work D/S K0+602~0+614 Finishing of concrete and cleaning works Left and Right wall K1+261~1285.5 Fixing of formwork and arrangements for concrete pouring Concrete pouring 246m3 poured and still continue	Shear zone area Part No.01 Left wall K0+290 ~0+302 Fixing of scaffolding Pouring of concrete Total quantity poured 48m3 Part No.01 Right wall 0+290~0+302 Supporting of formwork Fixing of formwork Part No.02 Right and Left wall K0+302~0+314 No work Part No.03 Right wall K0+314~ 0+327 No work Part No.04 Right wall K0+327~0+339 Fixing of steel Part No.04 Left wall K0+327~0+339 Fixing of steel Part No.05 Right wall 0+339~0+350 Fixing of steel D/S K0+602 ~0+614 Removing of formwork Left and Right wall K1+261~1285.5 Concrete pouring Total quantity poured 476.6m3 Curing and chipping works	Shear zone area Part No.01 Left wall K0+290~0+302 Curing Part No.01 Right wall K0+290 ~0+302 Fixing of formwork Pouring of concrete Quantity poured 52m3 Part No.02 Right and Left wall K0+302~0+314 No work Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Right wall K0+327~ 0+339 Fixing of steel Part No.05 Right wall K0+339~0+350 Fixing of steelD/S K0+602~0+614 Removing of formwork Left and Right wall K1+261~1285.5 Green cutting and curing Install of formwork	Shear zone area Part No.01 Left wall K0+290~0+302 Removing of formwork Part No.01 Right wall K0+290~0+302 curing Part No.02 Right and Left wall K0+302~ 0+314 No work Part No.03 Right and Left wall K0+314 ~0+327 No work Part No. 04 Right and left wall K0+327~0+339 Making platform and adjustment of formwork Part No.05 Right and left wall K0+339 ~0+350 No work K0+614 ~0+626 Concrete pouring Total 263m3 poured Left and Right wall K1+261~ 1285.5 Steel fixing and formwork fixing
<b>Traffic Diversion Tunnel</b>	K0+350~355.5 Grouting and install of rockbolts Total 15 pcs grouted and installed.K0+355.5~ charging for blast Blast 11:08 Mucking and scaling Geological mapping 1st layer of shotcrete Quantity 6m3 K0+325~330 wiremesh fixing spraying 2nd layer of shotcrete Quantity 16m3 K0+300~320 Spraying of remedial shotcrete 8m3 Portal El.870 scaling the portal surface Drilling for blasting	Suvey for blast 0+357.5~ Drilling for blast charging for blast Blast 11:40 Mucking and scaling Geological mapping Install of thickness pins 1st layer of shotcrete Quantity 4m3 Face cleaning Survey for blast K0+359.5~ Drilling for blast K0+325~330 wiremesh fixing	K0+359.5~ charging for blast Blast 07:20 Mucking and scaling 1st layer of shotcrete Quantity 4m3 K0+330 ~335 Fixing of wiremesh K0+355~360 Drilling for rockbolts Portal El.870 Cleaning loose material from portal	K0+361~ charging for blast Blast 07:47 Mucking and scaling Install of thickness pins 1st layer of shotcrete Quantity 6m3 K0+320 ~332 2nd layer of shotcrete Quantity 6m3 K0+362.5 Survey for blast Drilling for Blast Portal El.870 Cleaning loose material from portal Drilling for shallow hole blasting	K0+361.5~362.5 Drilling for Rockbolts Grouting of rockbolts Total 39 pcs grouted 1 Piece collapsed Charging and Blast K0+362.5~ Mucking and scaling Fixing of thickness pins 1st layer of shotcrete Quantity 6m3 Portal El.870 Cleaning loose material from portal Drilling for shallow hole blasting
<b>Uchar New Crushing plant</b>	Drilling for boulder blast Retaining wall No. 2 K0+080~090 Stone masonry and also excavation and mucking Stone masonry and also excavation and mucking Retaining wall No. 4 K0+110~ Excavation and mucking Retaining wall No. 7 Excavation and mucking Crush plant gallery foundation concrete chipping Removing of formwork and steel fixing	Drilling for boulder blast Retaining wall No. 2 K0+162~236 Excavation and mucking Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 4 K0+110~ Concrete pouring Retaining wall No. 7 Excavation and mucking Crush plant gallery foundation Excavation for part 2	Drilling for boulder blast Retaining wall No. 2 K0+162~236 Excavation and mucking Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 7 Excavation and mucking Crush plant gallery foundation Steel fixing	Drilling for boulder blast Retaining wall No. 2 K0+162~236 Excavation and mucking Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 7 Excavation and mucking Crush plant gallery foundation Pouring of concrete	Drilling for boulder blast 06:50Hrs~11:05Hrs Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 7 Excavation and mucking Crush plant gallery foundation steel fixing
<b>CR-5-2 / LU-2</b>	CR-5-2 K0+260~ Excavation and mucking	CR-5-2 K0+260~ Excavation and mucking	CR-5-2 K0+260~ Excavation and mucking	CR-5-2 K0+260~ Excavation and mucking	CR-5-2 K0+260~ No work



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Date/ Day Location	1 Sun.	2 Mon.	3 Tue.	4 Wed	5 Thu.
<b>Diversion Tunnel A INLET</b>	Right Wall K0+002.3~0-033 Fixing of Steel Left Wall K0+002.3~0-033 Fixing of scaffolding for platform Middle pier K0+002.3 ~0-035 Steel fixing Right and Left wall Part 4 K0+031~0+043 Making access Left and Right wall K1+443~1+467 Fixing of formwork for coffer Dyke	Right Wall K0+002.3~0-033 Fixing of Steel Left Wall K0+002.3~0-033 Arrangements for concrete pouring Middle pier K0+002.3 ~0-035 Steel fixing Left wall Part 3 K0+031 ~0+043 Formwork fixing and cleaning Concrete pouring	Right Wall K0+002.3~0-033 Fixing of formwork Left Wall K0+002.3~0-033 Arrangements for concrete pouring Middle pier K0+002.3 ~0-035 Steel fixing	Right Wall K0+002.3~0-033 Fixing of Steel and scaffolding fixing for formwork Left Wall K0+002.3~0-033 Arrangements for concrete pouring Concrete pouring Total quantity poured 310.4m3 Middle pier K0+002.3~0-035 Steel fixing	Right Wall K0+002.3~0-033 Fixing for formwork Left Wall K0+002.3~0-033 Curing, chipping and steel fixing Middle pier K0+002.3~0-035 Steel fixing Part 3 Left wall K0+031~043 Concrete chipping Part Right wall K0+031~043 Arrangement for concrete pouring
<b>Diversion Tunnel A UNDER GROUND</b>	Left side K0+780~0+820 Invert excavation for lean concrete	Right side 0+430~0+470 Invert Cleaning for lean concrete	Fixing of formwork for coffer Dyke Fixing of scaffolding for crown concrete	Left side K0+430~0+470 Invert Excavation fo lean concrete Invert Excavation fo lean concrete Left and Right wall K1+443~1+467 Fixing of formwork for coffer Dyke and fixing of scaffolding for crown concrete	Right side K0+430~0+470 Invert Excavation fo lean concrete Invert Excavation fo lean concrete Left side K0+330~0+350 and K0+690~0+780 Invert Excavation fo lean concrete Left and Right wall K1+443~1+467 Fixing of formwork for coffer Dyke and fixing of scaffolding for crown concrete
<b>Diversion Tunnel B INLET</b>	Left wall K0+002.3~K0-033 Fixing of scaffolding for making access for concrete placement Middle Pier K0+002.3~ K0-035 steel fixing Right wall K0+002.3~K0-033 No work Left wall Part 1 K0+002.3~K0+019 Fixing of scaffolding for making access for concrete placement Left wall Part 1 K0+002.3~K0+019 Removing of formwork	Left wall K0+002.3~K0-033 Curing of concrete Middle Pier K0+002.3~K0-035 steel fixing Right wall K0+002.3~K0-033 Curing of concrete Part 1 to part 4 Fixing of scaffolding for making access for concrete placement Left and Right wall K1+443~1+467 Fixing of formwork for coffer Dyke	Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3 ~K0-033 Steel fixing Middle Pier K0+002.3~K0-035 steel fixing Right wall K0+002.3~K0-033 Curing of concrete Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement Crown K1+261~1285.5 Concrete pouring Total quantity poured 492.8m3 cleaning and curing	Left wall K0+002.3~K0-033 Fixing of formwork Middle Pier K0+002.3~K0-035 steel fixing Right wall K0+002.3~K0-033 Removal of formwork Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement
<b>Diversion Tunnel B UNDER GROUND</b>	Shear zone area Part No.01 Left wall K0+290~ 0+302 Curing of concrete Steel fixing Part No.01 Right wall K0+290~0+302 Removing of formwork Steel fixing Part No.02 Right and Left wall K0+302~0+314 No work Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Right and left wall K0+327~0+339 Making platform and djustment of formwork Part No.04 Right wall K0+327~ 0+339 Concrete pouring Total quantity poured 56m3 Part No.05 Right and left wall K0+339 ~0+350 No work K0+614~0+626 Finishing of concrete Curing Left and Right wall K1+261~1285.5 Formwork fixing	Shear zone area Part No.01 Left wall K0+290~0+302 No work Part No. 01 Right wall K0+290~0+302 Part No.02 Right and Left wall K0+302~0+314 No work Part No.03 Right and Left wall K0+314~0+327 Curing of concrete Part No.04 Left wall K0+327~0+339 Concrete pouring Total quantity poured 53m3 Part No.05 Right and left wall K0+339~0+350 No work K0+614~0+626 Curing Left and Right wall K1+261~1285.5 Formwork fixing	Part No.01 Left wall K0+290~0+302 Fixing of formwork Part No.01 Right wall K0+290 ~ 0+302 Fixing of reinforcement Part No.02 Right and Left wall K0+302~0+314 Tightening of formwork concrete pouring Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left wall K0+327~0+339 Curing and chipping works Part No.05 Right and left wall K0+339~0+350 No work Crown K1+261~1285.5 Formwork fixing and concrete pipes fitting Concrete pouring	Shear zone area Part No.01 Right and Left wall K0+290~0+302 steel fixing Part No.02 Left wall K0+302~0+314 Pouring of concrete Total quantity poured 77m3 Part No.03 Right and Left wall K0+314~ 0+327 Curing of concrete steel fixing Part No.04 Left wall K0+327~0+339 Removal of formwork Part No.05 Right and left wall K0+339 ~0+350 No work	Shear zone area Part No. 01 Right and Left wall K0+290~0+302 steel fixing Fixing of formwork Part No.02 Right wall K0+302~0+314 Pouring of concrete Total quantity poured 77m3 Part No.02 Left wall K0+302~0+314 steel fixing Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left wall K0+327~0+339 No work Part No.05 Right and left wall K0+339~0+350 No work Crown K1+261 ~1285.5 Curing of concrete and removal of scaffolding
<b>Traffic Diversion Tunnel</b>	K0+362.5~363.5 Drilling for Rockbolts K0+365.5~ Survey and marking for drilling Drilling for blasting Charging for blasting Blast 11:20 Mucking and scaling 1st layer of shotcrete 6m3 K0+332 ~ 355 Fixing of wiremesh Portal El.870 Drilling for shallow hole blasting	K0+362.5~363.5 Grouting of rockbolts K0+337~350 Fixing of wiremesh Portal El.870 Drilling for shallow hole blasting Charging Blast 11:45	K0+346~352 Fixing of wiremesh Portal El.870 No work	K0+345~355 Fixing of wiremesh K0+335~353 2nd layer shotcrete K0+353~358 Fixing of wiremesh Portal El.870 Drilling for shallow hole blasting Charging Blast 12:45 Excavation and mucking	K0+350~360 Fixing of wiremesh K0+335~353 2nd layer shotcrete K0+355~360 Fixing of wiremesh 2nd layer shotcrete K0+366.5 Drilling for blast Charging for blast Portal El.870 Removal of loose material from portal
<b>Uchar New Crushing plant</b>	Drilling for boulder blast Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 2 Excavation and mucking Retaining wall No. 7 Excavation and mucking Crush plant gallery foundation steel fixing	Drilling for boulder blast Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 2 Excavation and mucking Crush plant gallery foundation steel fixing	Drilling for boulder blast Retaining wall No. 2 K0+084~055 No work Retaining wall No. 2 Excavation and mucking	Drilling for boulder blast charging Blast 14:20 Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 2 Excavation and mucking Crush plant gallery foundation steel fixing	Drilling for shallow hole blast charging Blast 11:20 Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 2 Excavation and mucking Crush plant gallery foundation steel fixing
<b>CR-5-2 / LU-2</b>	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work

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**Appendix K [5/26]**

Date/Day Location	6 Fri.	7 Sat.	8 Sun.	9 Mon.	10 Tue.
<b>Diversion Tunnel A INLET</b>	Right Wall K0+002.3~0-033 Fixing for formwork Left Wall K0+002.3~0-033 Fixing of reinforcement Middle pier K0+002.3~0-035 Steel fixing Part 3 Left wall K0+031~043 Concrete chipping Part 2 Right wall K0+031~043 Arrangements for concrete pouring	Right Wall K0+002.3~0-033 Fixing for formwork Left Wall K0+002.3~0-033 Fixing of reinforcement Middle pier K0+002.3~0-035 Steel fixing Part 3 Left wall K0+031~043 Concrete chipping and base slab cleaning work	Right Wall K0+002.3~0-033 Fixing of steel and formwork Left Wall K0+002.3~0-033 Fixing of reinforcement Middle pier K0+002.3~0-035 Fixing of formwork Part 3 Left wall K0+031~043 Concrete chipping and fixing of scaffolding for crown concrete	Right Wall K0+002.3~0-033 Fixing of formwork Left Wall K0+002.3~0-033 Fixing of reinforcement Middle pier K0+002.3~0-035 Fixing of formwork Part 2 Right and Left wall K0+019~031 Fixing of scaffolding for crown concrete Part 3 Left wall K0+031~043 Concrete chipping and cleaning works	Right Wall K0+002.3~0-033 Fixing of formwork Left Wall K0+002.3~0-033 Fixing of formwork Middle pier K0+002.3~0-035 Fixing of reinforcement Part 2 Right and Left wall K0+019~031 Fixing of scaffolding for crown concrete
<b>Diversion Tunnel A UNDER GROUND</b>	Right side K0+430~ 0+470 Invert Excavation fo lean concrete Left side K0+330~0+350 and K0+690~0+780 Invert Excavation for lean concrete Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement Left and Right wall K1+443~ 1+467 Fixing of form work for coffer Dyke and fixing of scaffolding for crown concrete	Right side K0+430~ 0+470 Invert Excavation fo lean concrete	Outlet coffer Dyke EI.775.7~778.5 Removing of formwork Left and Right wall K1+443~1+467 Fixing of scaffolding for crown concrete	Left side K0+360~400 Invert cleaning for lean concrete Outlet coffer Dyke EI.775.7~778.5 Curing Left and Right wall K1+456~1+478 Fixing of scaffolding for crown concrete	Outlet coffer Dyke EI.775.7~778.5 Curing Left and Right wall K1+456~1+478 Fixing of scaffolding for crown concrete
<b>Diversion Tunnel B Inlet Portal</b>	Left wall K0+002.3~K0-033 No work Middle Pier K0+002.3~K0-035 steel fixing Right wall K0+002.3~K0-033 steel fixing Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 Fixing of formwork Middle Pier K0+002.3~ K0-035 No work Right wall K0+002.3~K0-033 steel fixing Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 Fixing of formwork Middle Pier K0+002.3~K0-035 steel fixing Right wall K0+002.3~K0-033 steel fixing Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 Fixing of formwork Middle Pier K0+002.3~K0-035 Fixing of steel and formwork Right wall K0+002.3~K0-033 Fixing of steel Fixing of formwork Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 Fixing of formwork Middle Pier K0+002.3~K0-035 Fixing of formwork Right wall K0+002.3~K0-033 No work Fixing of scaffolding Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement
<b>Diversion Tunnel B UNDER GROUND</b>	Shear zone area Part No.01 Right and Left wall K0+290~0+302 Fixing of formwork Part No.02 Right wall K0+302 ~0+314 Steel fixing Part No.02 Left wall K0+302~0+314 No work Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left wall K0+327~0+339 No work Part No.05 Right and left wall K0+339~0+350 No work Crown K1+261~1285.5 Removing of formwork and scaffolding Curing of concrete	Shear zone area Part No.01 Left wall K0+290 ~0+302 Cleaning and adjusting of formwork and arrangements for concrete pouring Part No.01 Right wall K0+290 ~0+302 Steel fixing and install of PVC pipes Part No.02 Right and left wall K0+302~0+314 No work Part No.02 left wall K0+302 ~0+314 Steel fixing Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left wall K0+327~0+339 No work Part No.05 Right and left wall K0+339~0+350 No work Crown K1+261 ~1285.5 Removing of formwork and scaffolding Curing of concrete	Shear zone area Part No.01 Left wall K0+290~ 0+302 No work Part No.01 Right wall 0+290~ 0+302 Fixing of formwork Part No.02 Right and left wall K0+302 ~ 0+314 No work Part No.03 Right and Left wall K0+314~0+327 Fixing of reinforcement Part No.04 Left wall K0+327 ~0+339 Steel fixing Part No.05 Right and left wall K0+339~0+350 Fixing of scaffolding and access making Crown K1+261~1285.5 Removing of formwork and scaffolding	Shear zone area Part No.01 Left wall K0+290 ~0+302 No work Part No.01 Right wall K0+290 ~0+302 Fixing of formwork Part No.02 Right and left wall K0+302 ~0+314 Fixing of formwork Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left wall K0+327 ~0+339 No work Part No.05 Left wall K0+339~0+350 Fixing of reinforcement K0+339 ~ 0+350 Fixing of form work Crown K1+261 ~ 1285.5 Fixing of formwork and Pouring of backfill concrete Total quantity poured 48m3	Part No.01 Left wall K0+290~0+302 Fixing of formwork Part No.01 Right wall K0+290~0+302 No work Part No.02 Right and left wall K0+302~ 0+314 Fixing of formwork Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left wall K0+327~0+339 No work Part No.04 Left wall K0+339~0+350 Fixing of reinforcement K0+339~0+350 Fixing of scaffolding Part No.05 Right and Left wall K0+339~0+350 Fixing of formwork Crown K1+261 ~1285.5 Removing of formwork
<b>Traffic Diversion Tunnel Portal</b>	K0+366.5~0+369.5 Blast 08:00 Mucking and scaling 1st layer of shotcrete K0+369.5~ Drilling for blast Charging for blast Portal EI.870 Removal of loose material from portal	K0+368.5~ Blast 07:30 Mucking and scaling K0+366~ Drilling for rock bolts Grouting of rock bolts Total 36 pcs grouted and installed. K0+370~ Charging for blast Portal EI.870 No work	K0+360~365 Fixing of wire mesh K0+370~ Charging and blasting Mucking and scaling Portal EI.870 No work	K0+372.5~ Drilling for Blast K0+360~369.5 Fixing of wiremesh Portal EI.870 No work	K0+360~370 Fixing of wire mesh Portal EI.870 No work
<b>Uchar New Crushing plant</b>	Drilling for boulder blast Blast 10:50 Access road making Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 2 Excavation and mucking Crush plant gallery foundation steel fixing	Drilling for boulder blast charging Blast 11:20 Access road making Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 2 Excavation and mucking Crush plant gallery foundation steel fixing Formwork fixing	Drilling for boulder blast charging Blast 10:50 Access road making Retaining wall No. 2 K0+084~055 Stone masonry Crush plant gallery foundation steel and formwork fixing	Drilling for boulder blast charging Blast 10:38 Access road making Retaining wall No. 2 K0+084~055 Stone masonry Crush plant gallery foundation steel and formwork fixing	Retaining wall No. 2 K0+084~055 Stone masonry Crush plant sand storage yard and workshop steel fixing
<b>CR-5-2 / LU-2</b>	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work

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**Appendix K [6/26]**

Date/Day Location	11 Wed.	12 Thu.	13 Fri.	14 Sat.	15 Sun.
<b>Diversion Tunnel A INLET</b>	Right Wall K0+002.3~0-033 Fixing of formwork Left Wall K0+002.3~0-033 Fixing of formwork Middle pier K0+002.3~0-035 cleaning work Part 1 Right and Left wall K0+002.3~019 Fixing of scaffolding for crown concrete Part 3 Right wall K0+031~043 Pouring of concrete Total quantity poured 57.5m3	Right Wall K0+002.3~0-033 Tightening and welding of formwork supports Tightening and welding of formwork supports Left Wall K0+002.3~0-033 Fixing of formwork Middle pier K0+002~0-035 Cleaning and tightening of form work Part 1 Right and Left wall K0+002.3~019 Fixing of scaffolding for crown concrete Chipping of concrete and fixing of scaffolding	Right Wall K0+002.3~0-033 Welding of support bars and fixing of formwork Left Wall K0+002.3~0-033 Fixing of formwork Middle pier K0+002.3~0-035 Cleaning of steel and concrete surface cleaning Part 1 Right and Left wall K0+002.3~019 Fixing of scaffolding and formwork for crown concrete Chipping of concrete and fixing of scaffolding	Right Wall K0+002.3~0-033 Pouring of concrete (104m3) Left Wall 0+002~0-033 No work Middle pier K0+002.3~0-035 Cleaning of steel and concrete surface cleaning Part 3 Right and Left wall K0+031~043 Fixing of Steel crown concrete Fixing formwork for crown concrete Fixing of scaffolding	Right Wall K0+002.3~0-033 Pouring of concrete Total Quantity 296m3 Left Wall K0+002.3~0-033 Welding of form work ties & Cleaning Middle pier K0+002.3~0-035 Fixing & Tightening of Form Work Part 2 Right and Left wall K0+031~043 Fixing of Scaffolding for crown concrete
<b>Diversion Tunnel A UNDER GROUND</b>	No work	Outlet coffer Dyke El.775.7~778.5 Curing K1+456~1+478 Fixing of scaffolding for crown concrete	Outlet coffer Dyke El.775.7~778.5 Curing K1+456~1+478 Fixing of scaffolding and form work for crown concrete	Outlet coffer Dyke El.775.7~778.5 Curing K1+456~1+481 Fixing of scaffolding and form work for crown concrete	Outlet coffer Dyke El.775.7~778.5 Curing K1+456~1+481 Fixing of Formwork for crown concrete
<b>Diversion Tunnel B Inlet Portal</b>	Left wall K0+002.3~K0-033 No work Middle Pier K0+002.3~K0-035 Fixing of Reinforcement Right wall K0+002.3~K0-033 Fixing of formwork Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 No work Middle Pier K0+002.3~K0-035 Fixing of Formwork Right wall K0+002.3~K0-033 Fixing of formwork Part 2 Right and Left wall K0+019~ K0+031 Fixing of Formwork Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 No work Middle Pier K0+002.3~K0-035 No work Right wall K0+002 ~K0-033 Fixing of reinforcement Part 1 to part 4 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 Fixing of Form Work Middle Pier K0+002.3~K0-035 Fixing of Steel Right wall K0+002.3~K0-033 Fixing of reinforcement Part 2 & part 3 Fixing of scaffolding for making access for crown concrete placement	Left wall K0+002.3~K0-033 No Work Middle Pier K0+002.3~K0-035 Fixing of Form Work Right wall K0+002.3~K0-33 No work Part 3 Left Wall Green Cutting & Cleaning Fixing of Scaffolding No Work Part 3 Right Wall Fixing of Form Work
<b>Diversion Tunnel B UNDER GROUND</b>	Shear zone area Part No.01 Left wall K0+290~0+302 Arrangements for concrete pouring Part No.01 Right wall K0+290~0+302 No work Part No.02 Right and left wall K0+302~0+314 Fixing of reinforcement Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left and Right wall K0+327~0+339 No work Part No.05 Left wall K0+339~0+350 Arrangements for concrete pouring Outlet coffer Dyke El.775.7~778.5 Curing K1+456~1+478 Fixing of scaffolding for crown concrete Curing Crown K1+261~1285.5 Removing of formwork	Shear zone area Part No.01 Left wall K0+290~0+302 EL.770 ~772.1 concrete pouring Total quantity poured (A-25) = 49m3 Part No.01 Right wall K0+290 ~0+302 Cleaning and arrangements for concrete pouring Part No.02 Right and left wall K0+302~0+314 Fixing of reinforcement Part No.03 Right and Left wall K0+314~0+327 No work Part No.04 Left and Right wall K0+327~ 0+339 No work Part No.05 Left wall K0+339~ 0+350 EL.771.1~773.1 Cleaning and arrangements for concrete pouring Concrete pouring Total quantity poured (A-25) = 55m3 Curing Crown K1+261~1285.5 Removing of formwork and scaffolding pipes	Shear zone area Part No.01 Left wall K0+290 ~0+302 green cut and curing Part No.01 Right wall K0+290~0+302 Cleaning and arrangements for concrete pouring Part No.02 Left wall K0+302~0+314 EL.768.390~770.325 Cleaning and arrangements for concrete pouring Concrete pouring Total quantity poured= 48m3 Part No.03 Right and Left wall K0+314~ 0+327 No work Part No.04 Left and Right wall K0+327~0+339 Fixing of reinforcement Part No.05 Left wall K0+339~0+350 EL.771 ~773.10 Curing and Green cut Part No.05 Right wall K0+339~ 0+350 EL.771.1~773.1 Formwork welding, cleaning and arrangements for concrete pouring	Shear zone area Part No.01 Left wall K0+290~0+302 Fixing of Steel Part No.01 Right wall K0+290~0+302 Cleaning and arrangements for concrete pouring Pouring of concrete (64m3) Part No.02 Right Wall K0+302~0+314 EL.768.390~770.325 Cleaning and arrangements for concrete pouring Concrete pouring Total quantity poured= 50m3 Part No.03 Left wall K0+314~0+327 Form Work Fixing Part No.04 Left Wall K0+327~0+339 Fixing of Steel Part No.05 Left wall K0+339~0+350 EL.771.10~773.10 No Work Part No.05 Right wall 0+339~0+350 No Work Crown K1+261 ~1285.5 Removing of form work and scaffolding pipes	Shear zone area Part No.01 Left wall 0+290~ 0+302 Fixing of Steel Part No.01 Right wall K0+290~0+302 No Work Part No.02 Right Wall K0+302~0+314 Fixing of Steel Part No.03 Left wall K0+314~0+327 Form Work Fixing Total Quantity 72m3 Pouring of concrete Part No.04 Left Wall K0+327~ 0+339 No Work Part No.05 Left wall K0+339~0+350 EL.771.10~773.10 No Work Part No.05 Right wall K0+339~0+350 No Work Crown K1+261 ~1285.5 Removing of form work and scaffolding pipes Formwork welding, cleaning and arrangements for concrete pouring Concrete pouring Total quantity poured (A-25) = 53m3 Curing Crown K1+261~1285.5 Removing of formwork and scaffolding pipes
<b>Traffic Diversion Tunnel</b>	K0+361~365 Grouting and install of missing Rockbolts K0+360~367 Tightening of Rockbolts nuts and plates 2 <sup>nd</sup> layer shotcrete	No work	K0+372.5~ Mucking and scaling	K0+375.5~ Mapping Execution of 1st Layer shotcrete Survey & marking for blasting Drilling for blast Charging Blast 00:35Hrs Excavation & Mucking	K0+375.5~ Scaling Execution of 1st Layer Shotcrete 9:10Hrs~9:40Hrs Retaining Wall No.7 Steel Fixing Rock Bolts Grouting for Rock Bolts 43 pieces Grouted K0+378.5 Drilling for blast Charging Blast 5:10Hrs
<b>Uchar New Crushing plant</b>	Retaining wall No. 2 K0+084~055 Stone masonry Crush plant sand storage yard foundation and workshop foundation steel fixing	Demolishing of school Retaining wall No. 2 K0+084~055 Stone masonry Crush plant sand storage yard foundation and workshop foundation steel fixing	Retaining wall No. 2 K0+084~0+055 Stone masonry Crush plant sand storage yard foundation and workshop foundation steel fixing Formwork and	Retaining wall No. 2 ~ Stone masonry Crush plant sand storage yard foundation and workshop foundation Form Work & steel fixing	Retaining wall No. 2 K0+084~055 Stone masonry Retaining Wall No.7 Steel Fixing Retaining wall No. 4 Stone masonry Retaining wall No. 6 Form Work Removal

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			steel fixing		Crush plant sand storage yard foundation and workshop foundation Form Work & steel fixing
<b>CR-5-2 / LU-2</b>	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 K0+260~ No work	CR-5-2 ~ Mucking Excavation

Date/Day Location	16 Mon.	17 Tue.	18 Wed.	19 Thu.	20 Fri.
<b>Diversion Tunnel A INLET</b>	Right Wall K0+002.3~0-033 Curing and Cleaning Left Wall K0+002.3~0-033 Removal of Form Work Middle pier K0+002 ~0-035 Arrangement for concrete Part 3 Right Wall K0+031~043 Fixing Scaffolding for crown concrete Pouring of concrete Quantity 66m3 Part 03 Left Wall Arrangement for concrete pouring of concrete Total Quantity 32m3 Part 01 Left & Right Wall Steel Cleaning	Right Wall K0+002.3~0-033 No Work Left Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 pouring of concrete (181m3) Part 3 Left & Right Wall K0+031~043 3rd Lift Renoval of Formwork Part 3 Left Wall 4th Lift Steel Fixing Part 1 Left Wall & Right Wall Steel Cleaning Part 2 Right Wall Curing of concrete	Right Wall K0+002.3~0-033 No Work Left Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Pouring of concrete Total Quantity 247m3 Curing of concrete Part 1 Left Wall & Right Wall Formwork Fixing Part 3 Left Wall Arrangement for concrete Pouring of concrete Total Quantity 64m3 Crown Portion Fixing of Scaffolding for crown concrete	Right Wall K0+002.3~0-033 No Work Left Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Steel Fixing Part 1 Left Wall & Right Wall Formwork Fixing Pouring of concrete (130m3) Part 3 Left Wall Pouring of concrete Total Quantity 75m3 Crown Portion Assembling of Scaffolding for crown concrete	Right Wall K0+002.3~0-033 No Work Left Wall K0+002.3~0-033 No Work Middle pier K0+002.3~0-035 Steel Fixing Part 1 Left Wall & Right Wall Pouring of concrete (100m3) Total Quantity 230m3 Curing Part 3 Left Wall Steel Fixing Part 2 Crown Fixing of Scaffolding for crown concrete
<b>Diversion Tunnel A UNDER GROUND</b>	K1+040~ Removal of loose shotcrete Outlet coffer Dyke El.775.7 ~778.5 No Work K1+456~1+481 Fixing of Steel for crown concrete	K1+040~ Removal of loose shotcrete Outlet coffer Dyke El.775.7~778.5 K1+456~1+481 Fixing of Steel for crown concrete	K0+940~ Removal of loose shotcrete Outlet coffer Dyke El.775.7~778.5 Fixing of Scaffolding	K0+760~ Removal of loose shotcrete Outlet coffer Dyke El.775.7~ 778.5 No Work K1+456 ~1+481 Fixing of Steel for crown concrete	K0+600~ Removal of loose shotcrete K0+370~K0+400 Excavation with Jack Hammer Loading & Mucking K0+210~K0+200 Excavation with Jack Hammer K0+600~K0+510 Removal of loose shotcrete from crown Outlet coffer Dyke El.775.7~778.5 No Work K1+456~1+481 Fixing of Steel for crown concrete
<b>Diversion Tunnel B Inlet Portal</b>	Left wall K0+002.3~K0-033 No Work Middle Pier K0+002.3~K0-035 Assembling of Scaffolding for crown Right wall K0+002.3~K0-033 No work Part 3 Right Wall Fixing of Form Work Fixing of Scaffolding Crown Fixing of form Work for crown concrete	Left wall K0+002.3~K0-033 No Work Middle Pier K0+002.3~K0-035 Assembling of Scaffolding for crown Right wall K0+002.3~K0-033 Assembling of Scaffolding for crown Crown Portion Fixing of formwork for crown concrete	Left wall K0+002.3~K0-033 No Work Middle Pier K0+002.3~K0-035 Assembling of Scaffolding for crown Right wall K0+002.3~K0-033 Assembling of Scaffolding for crown Crown Portion Fixing of formwork for crown concrete	Left wall K0+002.3~K0-033 No Work Middle Pier K0+002.3~K0-035 Assembling of Scaffolding for crown Right wall K0+002.3~K0-033 Assembling of Scaffolding for crown Part 2 Left & Right Wall Fixing of formwork for crown concrete Part 3 Left & Right Wall Fixing of formwork for crown concrete	Left wall K0+002.3~K0-033 Fixing of Scaffolding for crown Middle Pier K0+002 ~K0-035 Fixing of Scaffolding for crown Right wall K0+002.3~K0-033 Fixing of Scaffolding for crown Part 2 Left & Right Wall Part 3 Left & Right Wall Fixing of Scaffolding for crown concrete
<b>Diversion Tunnel B UNDER GROUND</b>	Shear zone area Part No.01 Left wall Fixing of Steel Part No.01 Right wall Part No.02 Right Wall No Work Part No.03 Right wall K0+314 ~0+327 Pouring of concrete Total Quantity 59m3 Part No.04 Left Wall K0+327~0+339 No Work Part No.05 Left wall K0+339~0+350 No Work Part No.05 Right wall K0+339~0+350 Fixing of Steel Crown	Shear zone area Part No.01 Left wall Fixing of Steel Part No.01 Right wall 4th Lift Fixing of Steel Part No .01 Right wall 3rd Lift Removal of Form Work Part No.02 Left Wall Removal of Formwork Part No.03 Right wall Curing of concrete Fixing of steel Part No.02 Right Wall No Work Fixing of Formwork Part No.05 Left wall K0+339~ 0+350 No Work Part No .03 Right wall 5th Lift Fixing of Steel Crown K1+261~1285.5 Removing of formwork and scaffolding pipes	Shear zone area Part No.01 Left wall No Work Part No.01 Right wall Fixing of Formwork Pouring of concrete Total Quantity 64m3 Part No.02 Left Wall Steel Fixing Part No.03 Right wall Formwork Fixing Adjustment of Formwork Part No 3 Left wall Steel Fixing Part No.02 Right Wall Steel Fixing Fixing of Scaffolding Part No.05 Left wall Curing Crown K1+261~1285.5 Removal of Scaffolding Removal of Formwork	Shear zone area Part No.01 Left wall No Work Part No.01 Right wall Curing Fixing of Formwork Part No.02 Right Wall Formwork Fixing Part No.03 Right wall Formwork Fixing Pouring of concrete Quantity 64m3 Part No 3 Left wall No Work Part No.02 Left Wall Fixing of Scaffolding Part No.05 Left wall Curing	Shear zone area Part No. 04 Left wall No Work Curing and Chipping Part No.01 Right wall No Work Formwork fixing Part No.02 Right Wall & Left Wall Formwork Fixing Part No.03 Right wall Curing Removal of Formwork Part No 3 Left wall pouring of concrete Total Quantity 61m3 Part No.02 Left Wall No work Fixing of Formwork Part No.05 Left wall Scaffolding Dyke Excavation & Dumping Crown K1+261~1285.5 Shifting of Scaffolding

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	K1+261~1285.5 Removing of formwork and scaffolding pipes				
<b>Traffic Diversion Tunnel Portal</b>	K0+378.5~ Mucking Execution of 1st Layer shotcrete (6m3) K0+381~ Survey for blast Drilling for blast Charging Drilling for blast	K0+381~ Charging (explosive used 250 kg) Blast 10:07Hrs Mucking and scaling Mucking & Scaling Execution of 1st Layer shotcret	K0+375~ Grouting and Install of RockBolts Install of wiremesh K0+383~ Drilling for blast Charging Blast 23:55Hrs Ventilation Mucking & Scaling Charging Outlet Cleaning of loose material	K0+384~ Survey for blast Drilling for blast Charging Blast 15:55Hrs Mucking & Scaling K0+369~K0+374 Fixing of wiremesh Fixing of wiremesh Outlet Excavation & Mucking	K0+384~ Execution of 1st Layer Shotcrete (4m3) K0+369~K0+379 Execution of 2nd Layer Shotcrete (18m3) K0+369~K0+379 Fixing of wiremesh Face Cleaning Survey for blast Drilling for blast Outlet Drilling for blast
<b>Uchar New Crushing plant</b>	Retaining wall No. 2 K0+084~055 Stone masonry Retaining Wall No.7 No Work Retaining wall No. 4 No work Retaining wall No. 6 Crush plant sand storage yard foundation and workshop foundation Form Work & steel fixing Gallery foundation Removal of Form Work Excavation for Gallery	Retaining wall No. 2 K0+084~055 Stone masonry Retaining Wall No.7 Excavation & Mucking Fixing of formwork Retaining wall No. 4 Formwork Fixing & Dumping Pouring of concrete Retaining wall No. 6 No work Crush plant sand storage yard foundation and workshop foundation Formwork & steel fixing Gallery foundation Removal of Formwork	Retaining wall No. 2 K0+084~055 Stone masonry Retaining Wall No.7 No Work Retaining wall No. 4 Formwork Removal & Dumping Retaining wall No. 6 No work Crush plant sand storage yard foundation and workshop foundation Leveling of Formwork Pouring of concrete Excavation & Mucking Gallery foundation Removal of Formwork	Retaining wall No. 2 K0+084~055 Stone masonry Retaining wall No. 4 Pouring of concrete Retaining wall No. 6 No work Crush plant sand storage yard foundation and work shop foundation No Work Gallery foundation Removal of Formwork	Retaining wall No. 2 K0+084~055 Stone masonry Retaining Wall No.7 Excavation & Mucking Retaining wall No. 4 Fixing of Formwork Retaining wall No. 6 No work Crush plant sand storage yard foundation and workshop foundation Fixing of formwork Gallery foundation Backfilling
<b>CR-5-2 / LU-2</b>	CR-5-2 ~ Excavation	CR-5-2 ~ Excavation & Mucking	CR-5-2 ~ Excavation & Mucking	K0+045 ~ Excavation & Mucking	No Work

Date/Day Location	21 Sat.	22 Sun.	23 Mon.	24 Tue.	25 Wed.
<b>Diversion Tunnel A INLET</b>	Right Wall K0+002.3~0-033 No Work Left Wall K0+002.3~0-033 Steel Fixing Middle pier K0+002.3~0-035 Steel Fixing Part 1 Right Wall Steel Fixing Part 1 Left Wall No Work Pouring of concrete Total Quantity 59m3 Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3~0-033 No Work Right Wall K0+002.3~0-033 Form work Fixing Middle pier K0+002.3~0-035 Steel Fixing Part 1 Right Wall & Left Wall Steel Fixing Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3~0-033 No Work Right Wall K0+002.3~0-033 Formwork Fixing Middle pier K0+002.3~0-035 No Work Part 1 Right Wall& Left Wall Removal of Formwork Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3~0-033 No Work Right Wall K0+002.3~0-033 Formwork Fixing Middle pier K0+002.3~0-035 Removal of Formwork Part 1 Right Wall Steel Fixing Part 1 Left Wall No Work Part 2 & 3 Crown Fixing of Scaffolding for crown concrete	Left Wall K0+002.3~0-033 Removal of Formwork Right Wall K0+002.3~0-033 Middle pier K0+002.3~0-035 No Work Part 1 Right Wall Removal of Formwork Part 1 Left Wall Pouring of concrete (88m3 quantity poured till 7:00Hrs) Part 2 & 3 Crown Fixing of Scaffolding for crown concrete
<b>Diversion Tunnel A UNDER GROUND</b>	INVERT K0+370~ K0+400 Excavation with Jack Hammer Excavation with Jack Hammer K0+360~K0+200 Excavation & Mucking	INVERT Left Side side K0+370~K0+400 Invert Excavation with Jack Hammer Mucking Right Side K0+470~ K0+430 Invert Cleaning for lean concrete Outlet coffer Dyke El.775.7~778.5 Part 2 K1+456~1+481 Crown Fixing of Steel for crown concrete Fixing of Steel for crown concrete Part 2 Left & Right Wall K1+456~1+481 Fixing of Formwork	INVERT Left Side side K0+370~K0+400 No Work Right Side K0+470~K0+430 No Work Invert Cleaning for lean concrete Pouring of concrete Quantity 130m3 Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Fixing of Steel for crown concrete Part 2 Left & Right Wall K1+456~1+481 Fixing of Formwork Pouring of concrete (56m3)	Left Wall 0+610~K0+650 Remedial Layer Shotcrete Left Side K1+000~ Remedial Shotcrete INVERT Left Side K0+370~ K0+400 Invert cleaning for lean concrete Left Side K0+340~K0+370 Loading & Mucking Excavation with Jack Hammer Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~ 1+481 Crown No Work Part 2 Left & Right Wall K1+456~1+481 Pouring concrete Quantity 313 m3	INVERT Left Side side K0+370~0+400 Excavation with Jack Hammer Left Side K0+340~0+300 Excavation with Jack Hammer Loading & Mucking Outlet coffer Dyke El.775.7~778.5 No Work Part 2 K1+456~1+481 Crown Steel Fixing Tightening of scaffolding Part 2 Left & Right Wall K1+456~1+481 No Work
<b>Diversion Tunnel B Inlet Portal</b>	Roof Slab Fixing of Scaffolding for roof Part 2 Left & Right Wall Fixing of Formwork for crown concrete Part 3 Left & Right Wall Fixing of Scaffolding for crown concrete Fixing of Scaffolding	Roof Slab Fixing of Scaffolding for roof Part 2 Fixing of Formwork for crown concrete Part 3 Fixing of Scaffolding for crown concrete	Roof Slab Fixing of Scaffolding for roof Part 2 & 3 Fixing of Formwork for crown concrete	Roof Slab Fixing of Scaffolding for roof Part 2 & 3 Fixing of Scaffolding for crown concrete	Roof Slab Fixing of Scaffolding for roof Part 2 & 3 Fixing of Formwork for crown concrete Shifting of Scaffolding for Crown concrete
<b>Diversion Tunnel B UNDER GROUND</b>	Shear zone area Part No.01 Left wall Arrangement for concrete Part No.01 Right wall Scaffolding Pouring of concrete Total	Shear zone area Part No.01 Left wall No Work Part No.01 Right wall Removal of Formwork Part No.02 Right Wall Formwork Fixing Part No.02	Shear zone area Part No.01 Left wall Fixing of Scaffolding Part No.01 Right wall No Work Part No.02 Right Wall Formwork Fixing	Shear zone area Part No.01 Fixing of Scaffolding for crown concrete Part No.02 Right Wall Steel Fixing Part No.02 Left Wall Steel Fixing Fixing of Scaffolding Part No.04 Right	Shear zone area Part No. 01 Fixing of Scaffolding for crown concrete Part No.02 Right Wall No Work Part No.03 Left Wall No Work Part No.04 Right wall

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	Quantity 75m3 Part No.02 Right Wall Formwork Fixing Part No.02 Left Wall Steel Fixing Part No.03 Right wall No Work Part No 3 Left wall Fixing of Formwork Part No.05 Left wall No Work D/S K0+590-K0+602 Fixing of Formwork for invert concrete Outlet coffer Dyke El.775.7-778.5 No Work Part 2 K1+456-1+481 Crown Fixing of Steel for crown concrete Part 2 Left & Right Wall K1+456-1+481 Fixing of Formwork Dyke Scaffolding for dyke Cleaning of surface for concrete Part 2 Removal of Scaffolding	Left Wall Arrangement for concrete Pouring of concrete Quantity 56m3 Part No.03 Right wall No Work Part No 3 Left wall No Work Part No.05 Left wall No Work D/S K0+590-K0+602 No Work Upstream K0+240- Right Side Survey & Drilling for blast Charging for blast Dyke Fixing of Formwork Part 2 Backfill Grouting on crown	Quantity 60.5m3 Pouring of concrete Part No.02 Left Wall Steel Fixing Removal of Formwork Part No.04 Right wall No Work Fixing of Formwork Part No 4 Left wall Part No.05 Left wall No Work	wall Fixing of Formwork Part No 4 Left wall No Work Part No.05 Left wall No Work Invert K0+590-K0+602 Surface washing & Sludge removing Pouring of concrete Quantity 136m3 K0+626-K0+638 Surface cleaning Dyke Formwork Fixing Formwork Fixing Part 2 Removal of Scaffolding Removal of Formwork	Arrangement for concrete Pouring of concrete Quantity 56m3 Part No 4 Left wall No Work Part No.05 Left wall Invert K0+590-0+602 Pouring of concrete Quantity 352.4m3 K0+626-0+638 Surface cleaning Pouring of concrete Quantity 263.6m3 Dyke Formwork Fixing Part 2 Removal of Scaffolding Removal of Formwork
<b>Traffic Diversion Tunnel Portal</b>	K0+369-K0+379 Fixing of wiremesh K0+387.5- Drilling for blast Charging Blast 1:35Hrs Excavation & Mucking	K0+387.5- Excavation & Mucking K0+391- Drilling for blast charging blast 1:55Hrs Mucking Outlet Surface scaling with Excavator	K0+391- Mucking K0+394 ~ Survey for blast Drilling for blast Charging Blast 5:50Hrs	K0+397- Mucking Execution of 1st layer shotcrete K0+383- K0+397 marking for Rock bolts Drilling for Rock bolts Grouting & Install of Rockbolts K0+374-K0+379 Fixing of wiremesh Outlet Scaffolding for 1st Layer shotcrete	K0+397- Drilling for blast Drilling for blast Charging for blast (375kg explosive used) Blast 2:31Hrs K0+382-K0+397 Arrangement for grouting Grouting & Install of Rockbolts Grouting & Install of Rockbolts 66 peices grouted Outlet Excavation & Mucking
<b>Uchar New Crushing plant</b>	Retaining wall No. 2 K0+084-055 Stone masonry Retaining Wall No.4 Excavation & Mucking Pouring of plain concrete Retaining wall No. 7 No Work Excavation & Mucking Retaining wall No. 6 No work Crush plant sand storage yard foundation and workshop foundation Steel Fixing for workshop foundation Gallery foundation No Work Crush Plant Platform Excavation & Mucking	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Formwork Fixing Retaining wall No. 7 Excavation with Jack Hammer Charging & blast 12:30Hrs-15:40Hrs Excavation & Mucking Retaining wall No. 6 No work Crush plant sand storage yard foundation and workshop foundation Steel Fixing for workshop foundation Fixing of Scaffolding Gallery foundation Steel & Formwork Fixing Steel & Formwork Fixing Crush Plant Platform Excavation & Mucking	Retaining wall No. 2 Stone masonry Excavation Retaining Wall No.4 Fixing of Formwork Pouring of concrete at foundation Drilling for shallow blast Retaining wall No.7 No Work Retaining wall No. 6 No work Crush plant sand storage yard foundation and work shop foundation Fixing of Scaffolding Gallery foundation Steel Fixing Removal of Formwork Crush Plant Platform No Work	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Removal of Formwork Retaining wall No. 7 Steel Fixing Retaining wall No. 6 Excavation & Mucking Foundation Gallery 2 Curing & Removal of Formwork Gallery foundation 1 Excavation & Mucking Crush plant sand storage yard foundation and workshop foundation Steel Fixing of Foundation & Columns	Retaining wall No. 2 Stone masonry Retaining Wall No.4 Stone masonry Excavation Retaining wall No. 7 Retaining wall No. 6 Foundation Gallery 2 Fixing of Formwork Gallery foundation 1 Removal of Formwork Crush plant sand storage yard foundation and workshop foundation Steel Fixing of Foundation & Columns
<b>CR-5-2 / LU-2</b>	No Work	No Work	No Work	No Work	K0+420- Drilling for blast Charging blast 17:10Hrs



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**Daily Work Records of MW-02**

Date/Day Location	1 Sunday	2 Monday	3 Tuesday	4 Wednesday	5 Thursday	6 Friday	7 Saturday
Main Access Tunnel	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.
Draft Tunnel Towards Tailrace Tunnel No 2	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity
Draft Tunnel Towards Tailrace Tunnel No 1	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity
Exhaust Tunnel	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.
Service Tunnel C	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. Drilling for missing rock bolts	Note: -Design Excavation (450 m) has been Completed. Ch.:0+214~ Drilling for missing rock bolts
GIS Cavern Access Tunnel	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity
Transformer Cavern Pilot Tunnel I-2	Day F. Ch:0+212.0~ approx. (D/S) Charging for blast (Expo= 69 kg) Blast carried out Mucking and scaling Mapping (Qv=1.87) 1st layer shotcrete (5m³ PS)  F. Ch:0+59.0 (U/S) Ch.: 0+65.5-0+61.75 Fixing of Rock dowel's face Plates survey for blast Drilling for blast Charging for blast Blast carried out  Night	Day F. Ch:0+215.0~ approx. (D/S) Ch.:0+208-0+213.0 Drilling for rock dowels Installation and packing of rock dowels  F. Ch:0+59.0 (U/S) Ch.: 0+70-0+65 Fixing of rebar mesh  Night F. Ch:0+059.0(U/S) ch.:0+58.0-0+60.5 Installation of rock dowels (11pcs) F. Ch:0+215.0~ approx. (D/S) Survey for blast	Day F. Ch:0+215.0~ approx. (D/S) Drilling for blast Charging for blast is in progress (Exp=75 kg) Blast carried out  Night F.Ch.0+218.0~(D/S) Mucking & Scaling Mapping (1.87) 1st layer shotcrete (5m³ PS)  F. Ch:0+059.0(U/S) ch.:0+62-0+67.0 Fixing of first layer	Day F. Ch:0+215.0~ approx. (D/S) Shotcrete 2nd go of 1st layer (4m³ SF) Shotcrete 1st layer of 2nd go (5m³ PS)  ch.:0+58-0+67.0 Fixing of first layer of rebar mesh  Night F.Ch.0+219.0~(D/S) Ch...:214.25~216.75 Survey for rock dowels Drilling for rock dowels F.Ch.0+56.0(Approx. ) Ch...:0+58.0-73.0	Day F. Ch:0+215.0~ approx. (D/S) ch.: 0+206-0+211 Fixing of rebar (1st round)  ch.:0+58-0+67.0 Rectification of rebar mesh (1st round) Second layer of shotcrete (SF Qty=8m³)  Night F.Ch.0+56.0(U/S) Drilling for blast (Exp=46kg)	Day F. Ch:0+215.0~ approx. (D/S) Ch.: 0+206-0+214 Fixing of rebar (1st round)  F. Ch.:0+53 8:00-10:10) Drilling for blast Charging for blast (Exp=75 kg) 12:40) Blast carried out  Night F.Ch.0+56.0(U/S) Ch...:0+214.25~216.75 Grouting of rock dowels (Grouted) = 11pcs, 1pcs is block)	Day F. Ch:0+215.0~ approx. (D/S) Ch.: 0+206-0+213 Fixing of rebar (1st round)  F. Ch.:0+56 Mucking and scaling  Night Ch. 0+206-0+213 Fixing of rebar mesh



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	F. Ch:0+059.0(U/S) Mucking & Scaling Mapping (Qv=1.87) First layer shotcrete (PS Qty=5m³)	Drilling for blast Ch.:0+208.0~0+213.0 Grouting for rock dowels (total=22+01(missing), 20 grouted, 1 leakage, 2 remaining)	of rebar mesh	Grouting of rock dowels (Total=14pcs, new=11, missing=03, grouted=12, 2missing pcs are rejected due to leakage) ch.:0+58~0+67.0 Fixing of first layer of rebar mesh	Blast carried out Mucking Mapping First layer shotcrete (PS Qty=5m³) Ch.:0+83.0~0+183.0 Installation of missing rock dowels F.Ch:0+219.0~(D/S) Ch.:0+209~0+213.0 Fixing of rebar mesh ch.:0+213.0~0+216.75 Installation of rock dowels		
Transformer Cavern Pilot Tunnel I-1 & I-3	Day F. Ch Approx. 0+241.0 D/S) Fch:0+149 Ch.:0+156.75~0+151.75 Installation and packing of rock dowels  Night F. Ch Approx. 0+241.0 D/S) Fch:0+149.0(U/S) Grouting of Rock dowels	Day i-3 F. Ch Approx. 0+241.0 D/S) Fch:0+149 Ch.:0+160~0+150 Rectification of rebar mesh  Night i3 F. Ch Approx. 0+241.0 D/S) Fch:0+149.0(U/S) ch.:0+159.5~0+150.0 Fixing of first layer rebar mesh	Day i-3 F. Ch Approx. 0+241.0 D/S) Fch:0+149 Ch.:0+160~0+149 Shotcrete 2nd layer is in progress (8m³ SF)  Night F. Ch Approx. 0+241.0 D/S) Fch:0+149.0(U/S) Survey for blast Drilling for blast Charging for blast (Exp=100kg) Blast carried out Mucking & Scaling	Day i3 F. Ch Approx. 0+241.0 D/S) Fch:0+146 U/S Rescaling & mucking Shotcrete 1st layer (4m³ SF) Survey for blast Drilling for blast Charging for blast (Exp=100 Kg) 16:12) Blast carried out Mucking  Night F. Ch Approx. 0+241.0 D/S) F.Ch:0+144.0 ch.:0+140.5~144.0 Mucking & scaling Mapping (1.87) First layer shotcrete (PS Qty=6m³) Ch.:0+146.75~150.0 Survey for rock dowels Drilling for rock dowels	Day F. Ch Approx. 0+241.0 D/S) Fch:0+146 U/S Survey for blast Drilling for blast Charging for blast (100 kg) blast carried out  Night F. Ch Approx. 0+241.0 D/S) Making & scaling Mapping (Qv=1.87) First layer shotcrete (PS Qty=5m³) Ch.:0+150.50~0+144.25 Survey for rock dowels Drilling for rock dowels (10 pcs)	Day Fch:0+143 U/S Ch.:0+144.25~150.0 Installation & packing of rock dowels (32 Pcs)  Night F. Ch Approx. 0+241.0 D/S) Ch.:0+150.5~0+145.5 Grouting of rock dowels (16 pcs)	Day i-3 F. Ch Approx. 0+241.0 D/S) Fch:0+143 U/S Ch.:0+144.25~150.0 Grouting of rock dowels (15 pcs grouted) (1 rejected due to Grouting pipe blocked) Ch.:0+160~0+151 Shotcrete 2nd go of 2nd layer (6m³ SF)  Night i-3 F. Ch Approx. 0+241.0 D/S) Fch:0+143 U/S Charging for blast (Exp=100kg) Blast carried out
Powerhouse Cavern Pilot Tunnel (Left Crown portion) I-2	Day F.ch:0+031.0) U/S Ch.: 0+033 - 0+040 Rectification of 1st layer rebar mesh Shotcrete 2nd layer (8m³ PS) in progress...  F. Ch: 0+204.0 (D/S) Ch:0+197.8 - 0+203 Rectification of 1st layer rebar mesh  Night F.ch:0+032.0(Approx.) U/S Drilling for blast Charging for blast (Exp=110kg) Blast carried out Ch.:0+82.0~0+77.0 Fixing of second layer rebar mesh  F. Ch: 0+204.0 (D/S) Survey for blast Drilling for blast Charging for blast (Exp=100kg) Blast carried out	Day F.ch: 0+27.0 ch:0+031.0~0+29.5) U/S Mucking and scaling Mapping (Qv=1.17) Shotcrete 1st layer (5m³ SF) Survey for blast Drilling for blast Charging Blast carried out  F. Ch: 0+204.0 (D/S) Mucking 9:30- Again mucking and scaling  Night F.ch:0+031.0) U/S Mucking & scaling Mapping (Qv=1.67) ch.:0+65.0~0+60.0 Fixing of rebar mesh on wall ch.:0+75.0~0+70.0 Fixing of 2nd layer rebar mesh ch.:0+202.0~0+204.0 First layer of shotcrete (SF Qty=8m³) Survey for blast ch.:0+205.0 Survey for rock dowels Drilling for rock	Day .ch:0+029.0 U/S Rescaling and mucking Ch.:0+29.5~027.0 Shotcrete 1st layer (Qty=5m³ SF)  F. Ch: 0+205.0 (D/S) Drilling for blast Charging for blast Blast carried out Ch.:0+105~0+110 Drilling for post tension is in progress  Night F.ch:0+029.0) U/S Second go of first layer shotcrete (SF Qty=6m³) CH.:0+29.9~27.6 Survey for rock dowels Drilling for rock dowels Installation of rock dowels Ch.:0+060.0~0+065.0 Fixing of first of rebar mesh on wall Ch.:0+70.0~0+75	Day F. Ch: 0+208.0 Approx. (D/S) Installation & Packing of Rock dowels Grouting of rock dowels (6 Pcs)  F.ch:0+027.0 U/S CH.:0+29.9~27.6 Grouting of rock dowels (9 Pcs grouted, 3 row) Survey for blast Drilling for blast Charging for blast Blast carried out  Ch.:0+70.0~0+75.0 8:00~16:50) Fixing of second layer rebar mesh  Night F. Ch:0+021.0 (U/S) Mucking & scaling Mapping (Qv=1.17) Re-scaling (before shotcrete) First layer shotcrete (SF Qty=8m³) survey for rock dowels Drilling for rock dowels Installation of rock dowels (1 row)	Day F.CH:0+209.0 D/S Ch.:0+201.0~206.0 Fixing of first layer rebar mesh Ch:0+65~0+70 Fixing of rebar mesh on left wall. F.ch:0+024.0 U/S ch.:0+33~0+25 First layer of rebar mesh Ch.: 0+25.3 Grouting of rock dowels (3 Pcs grouted) Packer grouting of post tension rock bolts (7 Pcs) Location: -L6-5, -L7-5, -L8-5, -L9-5, -L10-5, -L11-5, -L12-5  Night F. Ch:0+021.0 (U/S) Ch.: +206.0~209.0 Second pass of First layer shotcrete to fill the depression area (SF Qty=5m³)	Day F.CH:0+207.0 D/S Ch.:0+204~0+207 9:30-10:20) Shotcrete 1st layer 2nd goes. (4.2m³ SF)  Night No Activity	



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	F. Ch:0+567.5~ No Activity due to resource limitations	No Activity due to resource limitations	No Activity due to resource limitations	No Activity due to resource limitations	No Activity due to resource limitations	No Activity due to resource limitations	No Activity due to resource limitations
Penstock Adit Tunnel towards Lower pressure Tunnel No 1	Day F. Ch.0+116.0~ No Activity  Night F. Ch.0+116.0~ No Activity	Day F. Ch.0+116.0~ No activity  Night F. Ch.0+116.0~ No activity	Day F. Ch.0+116.0~  No Activity Night F. Ch.0+116.0~ No Activity	Day F. Ch.0+116.0~  No Activity due to resources limitation. Night F. Ch.0+116.0~  No Activity due to resources limitation.	Day F. Ch.0+116.0~  No Activity due to resources limitation. Night F. Ch.0+116.0~  No Activity due to resources limitation.	Day F. Ch.0+116.0~  No Activity due to resources limitation. Night F. Ch.0+116.0~  No Activity due to resources limitation.	Day F. Ch.0+116.0~ No Activity due to resources limitation Night F. Ch.0+116.0~ Ch.:0+109~0+114 rectification of wire mesh 2nd layer shotcrete (24m <sup>3</sup> PS)
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	Day F. Ch:0+251.5 No activity  Night F. Ch:0+251.5 No activity	Day F. Ch:0+251.5 No activity  Night F. Ch:0+251.5 No activity	Day F. Ch:0+251.5 No activity  Night F. Ch:0+251.5 No activity	Day F. Ch:0+251.5 No activity  Night F. Ch:0+251.5 No activity	Day F. Ch:0+251.5 No activity  Night F. Ch:0+251.5 No activity	Day F. Ch:0+251.5 No activity  Night F. Ch:0+251.5 No activity	Day F. Ch:0+251.5 No activity  Night F. Ch:0+251.5 No activity
Connection Tunnel to Powerhouse From STA	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower  Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 R/w CH:0+036 Preparation for load testing  Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower  Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower  Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower  Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower  Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower	Day F. Ch:0+076 No activity due to resources limitation and shortage of manpower  Night F. Ch:0+076 No activity due to resources limitation and shortage of manpower
Surge Chamber Vault Access Tunnel	Day No activity  Night No activity	Day Day No activity Night No activity	Day Day No activity Night No activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity
Existing shaft tunnel from I1 drain tunnel	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft Manually mucking	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft Manually excavation & mucking	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft Manually excavation & mucking	Day Vertical Existing shaft Manually excavation & mucking  Night Vertical Existing shaft Manually excavation & mucking	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft No Activity
Drain tunnel	Day F.Ch. 0+936.0~ Survey for blast Drilling for blast and rock dowels Charging for blast Blast carried out  Night F.Ch. 0+930. Mucking	Day F.Ch. 0+938.0~ Mucking and scaling Mapping (Qv=1.67)  Night F.Ch:0+938.0 No Activity	Day F.Ch. 0+938.0~ Mucking  Night F.Ch:0+938.0 No Activity	Day F.Ch. 0+938.0~ Drilling for blast Charging (50 kg) Blast carried out  Night F.Ch. 0+941.0 Mucking	Day F.Ch. 0+940.0~ Mucking and scaling Shotcrete 1st layer (3.2 m <sup>3</sup> SF) Survey for blast Drilling for blast  Night F.Ch. 0+940.0 Charging for blast (Exp=70kg) Blast carried out Mucking	Day F.Ch. 0+942.0~ Ch.: 0+930~0+939 Grouting of rock dowels (43 pcs grouted) Mucking & scaling  Night F.Ch. 0+940.0 Ch.: 0+930~0+939 1st layer shotcrete (Qty=3m <sup>3</sup> ) Survey for blast drilling for blast charging for blast Blast carried out	Day F.Ch. 0+942.0~ Mucking and scaling  Night F.Ch. 0+940.0 Mapping Q=1.16
CR-05-01 Access Road/Intake	No activity	No activity	No activity	No activity	No activity	No activity	No activity
CGGC Camp Kass	Temporary facilities Personal dormitory No activity	Temporary facilities Personal dormitory No activity	No Activity	Temporary facilities * Installation of Sewerage pipeline Pakistani dormitory * Stone masonry Project leadership dormitory * Stone masonry Water tank * Form working for water tank	Temporary facilities * Installation of Sewerage pipeline Pakistani dormitory * Stone masonry Project leadership dormitory * Stone masonry Water tank * Form working for water tank	Temporary facilities * Installation of Sewerage pipeline Pakistani dormitory * Stone masonry Project leadership dormitory * Stone masonry Water tank * Form working for water tank	Temporary facilities * Installation of Sewerage pipeline Pakistani dormitory * Stone masonry Project leadership dormitory * Stone masonry Water tank * Form working for water tank

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**Appendix K [14/26]**

							Water tank * Form working for water tank
CT-2 Adit Tunnel	Portal area El: ▼793~785 Charging for blast (Exp=60 kg) Blast carried out Mucking is in progress (Access road) Installation of gabions for access road	(Access road) Installation of gabions for access road	No Activity	Portal area El: ▼793~785 Mucking  (Access road) Excavation for access road	access road) Installation of gabions for access road	access road) Installation of gabions for access road	Portal area El: ▼793~785 Grouting of rock dowels in portal of CT. (43 Pcs grouted)  (Access road) Installation of gabions for access road
LD-07	No Activity	No Activity	No Activity	No Activity	No Activity	No Activity	No Activity
Switchyard Day work	No Activity	No Activity	No Activity	No Activity	No Activity	No Activity	No Activity
Switchyard Compound	El: ▼980~970 1st layer  (Temporary facilities) Installation of fencing	El: ▼980~970 1st layer  (Temporary facilities) Installation of fencing	El: ▼980~970 No Activity	El: ▼980~970 1st layer  (Temporary facilities) No Activity	El: ▼930~920 Drilling for blast is in progress.  Fixing of protection fence	El: ▼930~920 Drilling for blast is in progress.  Fixing of protection fence	El: ▼930~920 Drilling for blast is in progress. Excavation & mucking Fixing of protection fence

**Remarks:**

Date/ Day Location	8 Sunday	9 Monday	10 Tuesday	11 Wednesday	12 Thursday	13 Friday	14 Saturday
Main Access Tunnel	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch.: 0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch.: 0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.
Draft Tunnel Towards Tailrace Tunnel No 2	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)	Ch: K0+053.5 (Approx.) (No activity)
Draft Tunnel Towards Tailrace Tunnel No 1	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity
Exhaust Tunnel	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.
Service Tunnel C	Note: -Design Excavation (450 m) has been Completed. Ch.:0+224.5~0+308.5 Grouting and installation of missing rock bolts 2nd pass of 1st layer (3m <sup>3</sup> sf)	Note: -Design Excavation (450 m) has been Completed. Ch.:0+307.5.0~0+33 5.5 Second layer shotcrete sf Qty=15.0m <sup>3</sup>	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.
Transformer Cavern I-2	Day F. Ch:0+215.0~ approx. (D/S) Ch. 0+213~0+218 Fixing of rebar mesh  Night F.Ch:0+53~0 +50 (U/S) 1st layer shotcrete (5m <sup>3</sup> ) Ch. 0+56.75~0+51.05 Survey for rock bolts Drilling for rock bolts	Day F. Ch:0+220~ approx. (D/S) Mucking and scaling Mapping (Qv=1.67) F. Ch: 0+50. Approx. (U/S) Ch.:0+56.75~0+51.7 5 Installation of rock dowels Night	Day F. Ch:0+220~ (D/S) Survey for blast Drilling for blast Charging for blast (65 kg) Blast carried out Night CH:0+51~0+47 1st layer 2nd pass shotcrete 6m <sup>3</sup>	Day NO activity Night Ch. 0+47~ Mucking and scaling Mapping QV=1.67 1st layer shotcrete 8m <sup>3</sup> D/S Ch. 0+222~0+225 Mapping Q=1.87 1st layer shotcrete	Day F. Ch:0+223~ (D/S) Ch:0+218.0~0+221 .75 Installation & packing of rock dowels (Qty=17pces) F. Ch: 0+47. Approx. (U/S) Ch:0+0+56.75~0+5	Day F. Ch:0+223~ (D/S) Ch.: 0+218~0+221.75 Fixing of rock dowel's plates Ch:0+223.0 Survey for blast Drilling for blast Charging for blast (50 kg) Blast carried out	Day F. Ch:0+226~ (D/S) Survey for blast Drilling for blast Charging for blast (Exp=57 kg) Blast carried out F. Ch: 0+47. Approx. (U/S) Ch.: 0+52~0+58

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	D/S Ch. 0+213~0+218 Rectification of rebar mesh done Ch. 0+206~0+218 2nd layer shotcrete (8m³) Ch. 0+219~ Drilling for blast Charging for blast Blast carried out Further no activity Mucking is remaining due to shortage of Fuel.	F.Ch.0+49~ Survey for Blast Drilling for blast Charging for blast (Exp=50kg) Blast carried out Note: It was mentioned on AFI that Blast will be carried out in day shift, but contractor didn't follow the instruction. D/S Ch:0+220~0+223 (approx.) 1st layer shotcrete 4m³		6m³ Ch. 0+218~0+221.75 survey for rock bolts and blasting Drilling for rock bolts	0.5 Drilling for rock dowels Installation & packing of rock dowels (Qty=19pcs) Night (U/S) Ch. 0+65.75~0+49.25 Grouting for rock dowels 24pcs Ch. 0+218~221.75 Grouting for rock dowels 16pcs	F. Ch: 0+47. Approx. (U/S) Ch.: 0+65.75~0+50.50 Fixing of rock dowel's plates Ch:0+58~0+52 Fixing of rebar mesh 1st layer Night Ch:0+58~0+52 Fixing of rebar mesh 1st layer D/S Ch. 0+223.0~0+226 Approx. Mucking and scaling Mapping Qv=1.45 1st layer shotcrete PS 5m³	Rectification of 1st layer rebar mesh Night F. Ch: 0+47. Approx. (U/S) Ch.: 0+52~0+58 Rectification of 1st layer rebar mesh Ch. 0+100~0+180 Grouting for rock bolts 25pcs and 12pcs leakage D/S Ch. 0+227~0+230 Mucking and scaling Mapping Q=1.67 1st layer shotcrete 4m³ Ch. 0+230~ Survey for blast
Transformer Cavern Pilot Tunnel I-1 & I-3	Day i-3 F. Ch Approx. 0+241.0 (D/S) Fch:0+140 (Approx.) U/S No activity Mucking is remaining due to shortage of Fuel. Night No Activity	Day F. Ch Approx. 0+241.0 (D/S) Fch:0+140 (Approx.) U/S Mucking and scaling Mapping (Qv=1.87) Night F. Ch Approx. 0+241.0 (D/S) U/S Fch:0+140~0+137 (Approx.) 1st layer shotcrete 4m³ Ch. 0+144.25~0+141.75 Survey for rock bolts Drilling for rock bolts	Day Fch:0+140 (Approx.) U/S Ch.:0+150~0+145 Fixing of rebar mesh (1st round) Night Ch:0+145~0+141 Fixing of 1st layer rebar mesh	Day No Activity Night F. Ch Approx. 0+241.0 (D/S) Ch. 0+146~0+141 Installation of rebar mesh Ch. 0+143.0 =>07pcs Ch... 0+141.75 =>03pcs Grouting for rock bolts 10pcs	Day Fch:0+140 (Approx.) U/S Ch. 0+143~0+148 Rectification of rebar mesh Night Ch. 0+143~0+148 Rectification of rebar mesh 2nd layer shotcrete	Day No Activity Night No Activity	Day F. Ch Approx. 0+241.0 (D/S) Fch:0+137.0 (U/S) Drilling for blast charging for blast (Exp=150 kg) Note: - Blast delayed due to Drilling & charging at I-2 face. Blast carried out Mucking Night Ch. 0+137~0+235.5 Mucking and scaling Mapping Qv=2.08 1st layer shotcrete 4m³ Ch:0+135.5~ Survey for blast Drilling for blast Charging for blast Blast carried out
Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2	Day F.CH.0+207.0 D/S U/S Ch.:0+30~0+25 Fixing of rebar mesh is in progress. Ch.:0+110~0+100 Predrilling for post tension rock bolts. Night No Activity	Day No Activity Night D/S F. Ch:0+208 approx. Ch. 0+200~0+204 Installation of rebar mesh 1st layer (U/S) F. Ch:0+021.0 approx. Ch. 0+32~0+25 Installation of rebar mesh 1st layer	Day F. Ch:0+208 approx. Ch. 0+200~0+204 Installation of rebar mesh 1st layer (U/S) Ch. 0+32~0+25 Installation of rebar mesh 1st layer F. Ch:0+021.0~ Survey for blast Drilling for blast Charging for blast (Exp=75kg) Blast carried out Night F. Ch:0+208 approx. Ch. 0+200~0+204 Installation of rebar mesh 1st layer (U/S) F. Ch:0+021.0 approx. Ch. 0+32~0+25 Rectification of 1st layer rebar mesh 2nd layer shotcrete 13m³ F. Ch:0+021.0~ Survey for blast	Day F. Ch:0+208 approx. Ch. 0+200~0+204 Repairing of Steel platform for labor Rectification of 1st layer Rebar Mesh Ch:0+95~0+90 Rectification of rebar mesh on left wall F. Ch:0+019 (Approx.) Mucking from previous blast not completed Night F. Ch:0+208 approx. Ch. 0+200~0+206 Rectification of rebar mesh 1st layer 2nd layer shotcrete 13m³ Ch. 0+100~0+75 Rectification of rebar mesh 2nd layer Ch. 0+23~ Mucking and scaling Mapping Q=1.17	Day F. Ch:0+207 D/S Survey for blast Drilling for blast (Drilling jumbo break down) F. Ch:0+019 (Approx.) Ch:0+60.0~0+70 & 0+80.0~0+90.0 Installation of 2nd layer rebar mesh Night D/S F. Ch:0+207~ Charging for blast Blasting Mucking and scaling U/S Ch. 0+90~0+100 Rectification of rebar mesh 2nd layer Ch. 0+75~0+80 Installation of rebar mesh 2nd layer Ch. 0+68~0+60 Installation of rebar mesh 2nd layer Ch. 0+23~0+20 1st layer shotcrete 2nd pass 4m³ sf Ch. 0+19~23:50~00:20) Survey for blast	Day F. Ch:0+210 (D/S) Survey for blast Drilling for blast F. Ch:0+019 (Approx.) Ch:0+80~0+100 Rectification of 2nd layer rebar mesh Ch.: 0+68~0+60 Fixing of rebar mesh 2nd layer. Night F. Ch:0+210.5~ Drilling for blast Charging for blast Blast carried out Mucking and scaling U/S Ch. 0+70~0+103 ) 3rd layer of shotcrete PS 38m³ Ch. 0+55~0+60 Installation of 1st layer rebar mesh Ch. 0+42~0+48 Installation of 2nd layer rebar mesh Ch. 0+18~0+15.5 Approx. Mucking and scaling Mapping Q=1.23	Day F. Ch Approx. 0+241.0(D/S) Ph. I-1, I-2, & I-3 Ch. 0+100~0+60 Installation of post tension rock dowels Ch. 0+120~0+86 Installation of formwork for post tension rock bolts head cap Ch. 0+80~0+60, Pressure grouting for post tension rock bolts and Packer Location, PH-P47-4, PH-P45-4, PH, -P51-4, PH-P51-3 Packer (PH-P43-4). Night Ch. 0+60~0+50 Installation of 2nd layer rebar mesh D/S Ch. 0+207~0+213 1st layer shotcrete 2nd goes 6m³ SF Ch. 0+207.0~0+211.6

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			Drilling for blast Charging for blast (Exp=75kg)		Drilling for blast Charging for blast Blast carried out		Survey for rock bolts Drilling for rock bolts Installation of rock bolts
Powerhouse Cavern Pilot I-1 & I-3	Day i-1 Ph. i1 & i3 Tensioning of tension rock bolts Location: R78-1 (R=2.26 mm) P77-4 (R=1.77 mm) P75-5 (R=1.35 mm) R77-1 (R=1.43 mm) P79-4 (R=1.44 mm) I-3 F. Ch:0+000(U/S) Form working of tendon's head block  Night i-1 Ph. i1 & i3 Tensioning of tension rock bolts Location: P-77-5 (R=1.14 mm) R-76-1 (R=1.93 mm) P-73-4 (R=1.42 mm)  P-72-6 (R=2.40 mm) P-73-7 (R=1.23mm) P-77-1 (R= No reading) sika concrete head cap block crack, Ch. 0+60-0+50 Hand drilling and installation of steel supporting bars for tension rock bolts i-3 F.Ch. 0+88-0+60 Fixing of formwork for tension rock bolts head cap	Day i-3 No Activity i-1 Ph. I-1 & I-3 Tensioning of tension rock bolts Ph.: I-2 & I-1 Form working and concreting of head block of tension rock bolts. Location: -L11-5, -L10-5, -P11-4, -L12-5, -P11-2 Night i-1 F. Ch Approx. 0+241.0(D/S) Ph. i1 & i3 Ch. 0+240.35-0+235.75 Water pressure test for post tendon anchor F. Ch:0+000(U/S) Ch. 0+41.0-0+37.0 Installation of rebar mesh 2nd layer	Day Ph. I-1 & I-3 NO Activity Night i-1 Ph. i1 & i3 Ch. 0+240.35-0+217.35 Water pressure test for post tendon anchors Location, P-101-10, P-101-8, P-102-8, P-102-10, P-103-8, P-104-8 P-104-10, P-105-10,  i-3 Ch:0+55-0+40 Rectification of 2nd layer rebar mesh	Day i-3 F. Ch:0+000(U/S) Ch:0+55-0+40 Rectification of Second layer rebar mesh 3rd layer PS shotcrete (Qty=13m³) Night Ch. 0+55-0+40 3rd layer shotcrete 4m³ Rectification of rebar mesh 2nd layer i-1 Ph. i1 & i3 Ch. 0+217.35-0+195.45 Water pressure test for post tendon anchor Location P-92-9, P-97-10, P-98-10, P-96-8, P-99-10 P-90-9, P-88-9, P-87-10, P-91-10, P-89-10, P92-9	Day F. Ch:0+000(U/S) Ch:0+60-0+45.0 Rectification of Second layer rebar mesh 3rd layer PS shotcrete (Qty=13m³) Night Ch. 0+55-0+40 3rd layer shotcrete 4m³ Installation of post tension rock dowels Location, P47-4, P49-5, R42-1, R44-1, R48-1, R46-1, P45-5, P41-5, R45-1, R43-1, P45-4, P51-1, P15-4, R50-1, P11-2, P51-3, P49-3, R51-1,	Day I3 No Activity Night I3 Ch. 0+00-0+10 Installation of rebar mesh i-1 Ph. I-1 & I-3 Packer grouting for post tension rock dowels Location, P47-4, P49-5, R42-1, R44-1, R48-1, R46-1, P45-5, P41-5, R45-1, R43-1, P45-4, P51-1, P15-4, R50-1, P11-2, P51-3, P49-3, R51-1,	Day F. Ch:0+000(U/S) Ch.: 0+000-0+015 Rectifications of 1st layer rebar mesh. Night F. Ch:0+000(U/S) Ch.: 0+000-0+015 Rectifications of 1st layer rebar mesh. Spraying 2nd layer shotcrete 32m³ Ch:0+40-0+52 Shotcrete thickness test
01A Drain Tunnel Left Crown of PH I-2	F.ch:0+041.5 Junction area No Activity	F. Ch:0+041.5 No Activity	F. Ch:0+041.5 No Activity	Day No activity  Night No Activity	Day No activity  Night No Activity	Day No activity  Night No Activity	Day No activity  Night No Activity
Service Tunnel A	Day F. Ch:0+567.5~ No Activity due to resource limitations  Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations  Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations  Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations  Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations  Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations  Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations  Night F. Ch:0+567.5~ No Activity due to resource limitations
Penstock Adit Tunnel towards Lower pressure Tunnel No 1	Day F.Ch.0+116.0~ Ch.: 0+109-0+114 2nd layer Shotcrete (8m³ PS)  Night F.Ch.0+116.0~ No Activity	Day F.Ch.0+116.0~ No Activity  Night F.Ch.0+116.0~ Ch.:0+087.7-0+114.2 Marking for missing rock bolts Drilling for missing rock bolts	Day F.Ch.0+116.0~ No Activity  Night F.Ch.0+116.0~ No Activity	Day F.Ch.0+116.0~ No Activity  Night F.Ch.0+116.0~ No Activity	Day F.Ch.0+116.0~ No Activity  Night F.Ch.0+116.0~ No Activity	Day F.Ch.0+116.0~ No Activity  Night F.Ch.0+116.0~ No Activity	Day F.Ch.0+116.0~ No Activity  Night F.Ch.0+116.0~ No Activity
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	Day F. Ch:0+251.5 Drilling for blast at face is in progress. Charging for blast (250 kg) Blast carried out  Night NO Activity	Day F. Ch:0+254.0 Mucking	Day F. Ch:0+254.0 No Activity	F. Ch:0+254.0 Plug Section No activity	Day F. Ch:0+254.0 No Activity	Day No Activity  Night F. Ch:0+251.5~ Mucking and scaling Mapping Qv=1.0	Day F. Ch:0+254.5 (Approx.) Survey for blast Drilling for blast Charging for blast (Exp=250 kg) Blast carried out  Night F. Ch:0+254.5~ Mucking and scaling Mapping Qv=1.17

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GIScavern Access Tunnel from STA	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity
Connection Tunnel to Powerhouse From STA	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity	F. Ch:0+076 No Activity
Surge Chamber Vault Access Tunnel	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No Activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity
Existing shaft Tunnel from I1 drain	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft No Activity	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft Manually Mucking	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft Blocked holes Predrilling	Day Vertical Existing shaft No Activity  Night Vertical Existing shaft Blocked holes predrilling for blast	Day Vertical Existing shaft Charging for blast (Exp=45 kg) Blast carried out  Night Vertical Existing shaft No Activity	Day Vertical Existing shaft Charging for blast (Exp=50 kg) Note: Blast delayed due to repairing of shotcrete machine in Powerhouse. Blast carried out Opening of choked holes. Night Vertical Existing shaft No Activity
Drain Tunnel	Day F.Ch. 0+942.0~ No Activity  Night F.Ch. 0+942.0~ No Activity	Day F.Ch. 0+942.0~ No Activity  Night F.Ch. 0+942.0~ No Activity	Day F.Ch. 0+942.0~ No Activity  Night F.Ch. 0+942.0~ No Activity	Day F.Ch. 0+942.0~ No Activity  Night F.Ch. 0+942.0~ No Activity	Day F.Ch. 0+942.0~ No Activity  Night F.Ch. 0+942.0~ No Activity	Day F.Ch. 0+942.0~ No Activity  Night F.Ch. 0+942.0~ No Activity	Day F.Ch. 0+942.0~ No Activity  Night F.Ch. 0+942.0~ No Activity
CR-5-1 Access road and LU-1	No activity	No activity	No activity	No activity	No activity	No activity	No activity
CGGC Labor Camp Kass	Temporary facilities * Installation of Sewerage pipeline * Excavation and leveling Personal dormitory No activity Pakistani dormitory * Stone masonry FC dormitory No Activity Project leadership dormitory * Stone masonry Water tank * Form working for water tank	Temporary facilities * Installation of Sewerage pipeline * Excavation and leveling Personal dormitory No activity Pakistani dormitory * Stone masonry FC dormitory No Activity Project leadership dormitory * Stone masonry Water tank * Form working for water tank	Temporary facilities * Installation of Sewerage pipeline * Excavation and leveling * Installation of precast rooms * Concreting of foundation of new block.	Temporary facilities * Stone masonry * Excavation and leveling * Installation of precast rooms * Electricity fitting	Temporary facilities * Stone masonry * Excavation and leveling * Installation of precast rooms * Electricity fitting	Temporary facilities * Stone masonry * Installation of precast rooms * Electrical work * Painting of rooms. * Form working of foundation for new block.	Temporary facilities * Stone masonry * Installation of precast rooms * Electrical work (Installation of DBs, Wires, cable trucking) * Painting of rooms. * Form working of foundation for new block.
CT-2	Portal area El: ▼793~785  (Access road) Installation of gabions for access road	Portal area El: ▼793~785  (Access road) Installation of gabions for access road	Portal area El: ▼793~785  (Access road) Installation of gabions for access road	Portal area El: ▼793~785  (Access road) Installation of gabions for access road	Portal area El: ▼793~785  (Access road) Installation of gabions for access road	Portal area El: ▼793~785  (Access road) Installation of gabions for access road	Portal area El: ▼793~785  (Access road) Installation of gabions for access road
Switch yard Compounds	El: ▼930~920 Drilling for blast is in progress. Excavation & mucking Fixing of protection fence	El: ▼930~920 Drilling for blast is in progress. Excavation & mucking Fixing of protection fence	El: ▼930~920 Charging for blast Excavation & mucking Fixing of protection fence	El: ▼930~920 Excavation & mucking Fixing of protection fence	El: ▼930~920 Excavation & mucking	El: ▼930~920 Excavation & mucking	El: ▼930~920 Excavation & mucking
Switch yard Day Work	Day work order No Activity	Day work order Excavation of loose material	Day work order Excavation of loose material	Day work order No Activity	Day work order No Activity	Day work order No Activity	Day work order No Activity

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<b>Remarks:</b>							
Date/Day Location	15 Sunday	16 Monday	17 Tuesday	18 Wednesday	19 Thursday	20 Friday	21 Saturday
Main Access Tunnel	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	DAY F. Ch:0+963 Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.
Draft Tunnel Towards Tailrace Tunnel No 2	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity	Day Right side F. Ch.: 0+53.5 No Activity  Night Right side F. Ch.: 0+53.5 No Activity
Draft Tunnel Towards Tailrace Tunnel No 1	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity	F ch:0+057.0 No activity
Exhaust Tunnel	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.	F. Ch:0+193 The Total tunnel length of excavation 215m has been completed while excavation of drop shaft to be commenced. Verification by inspection of support work still to be done. No Activity observed so far.
Service Tunnel C	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.
Transformer Cavern Pilot Tunnel I-1 & I-3	Day i-3 Ch. 0+135.5 Mucking and scaling Mapping (Qv=1.5)  Night -3 Ch.:0+135.5~0+132.5 First layer shotcrete PS Qty=6m³ Ch. 0142~0+135.5 Drilling for rock dowels,	Day Ch. 0+132.5 (U/S) Ch.: 0+140.5~0+135.5 Installation and packing of rock dowels (25 Pcs)  Night Ch. 0+132.5 (U/S) Ch.: 0+140.5~0+135.5 Grouting of rock dowels 25 pcs Fixing rock dowel plates	Day F. Ch Approx. 0+241.0 (D/S) F.CH:0+133.0~ (U/S) Survey for blast Drilling for blast Charging for blast (Exp=100 kg) Blast carried out Mucking  Night F.CH:0+133.0~0+130 approx. mucking and scaling Mapping Qv=1.67 1st layer shotcrete PS 7m³	Day F.CH:0+126.0~(Approx.) (U/S) Ch.:0+141.0~0+135.0 Installation of rebar mesh (1st round)  Night F.CH:0+126 Ch.:0+141~0+136 Installation of rebar mesh (1st round)	Day Ch.:0+141.0~0+135.0 Installation of rebar mesh (1st round)  Night Ch.:0+141~0+135 Rectification of 1st layer rebar mesh 2nd layer shotcrete 8m³	Day F. Ch Approx. 0+241.0 (D/S) F.CH:0+129.5~ (U/S) Survey for blast Drilling for blast Charging for blast Exp=100kg No of hole's=58 Blast carried out Note: Contractor did the full section blast instead of Pre-splitting. Mucking	Day F. Ch:0+126.0~ Ch.:0+129.0~0+126.0 Mapping Qv=1.87 First layer shotcrete PS Qty=6.0m³ Ch.:0+134.25~0+126.75 Drilling for rock dowel's (39 holes)  Night Ch.:0+134.25~0+126.75 Installation and packing of rock dowels 39pcs



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						Night F.Ch:0+129.5 ~0+126 approx. (U/S) Mucking and scaling Mapping Qv=1.67 1st layer shotcrete 4m <sup>3</sup>  Ch. 0+126~ Survey for blast Drilling for blast Charging for blast Blast carried out Mucking and scaling	
Transformer Cavern Pilot Tunnel I-2	Day F. Ch:0+230~ (D/S) Ch.: 0+216~0+221 Fixing of rebar mesh 1st round  F. Ch: 0+47. Approx. (U/S) Ch.: 0+52~0+58 Rectification of 1st layer rebar mesh ) Shotcrete 2nd layer (7m <sup>3</sup> SF)  Night F. Ch: 0+47. Approx. (U/S) Survey for blast Drilling for blast Charging for blast Exp=50kg Blast is carried out Mucking and scaling  D/s F.ch:0+230 Ch.:0+218~0+225 Installation of rebar mesh first round	Day F. Ch:0+230~ (D/S) Ch:0+223~0+225 .5 Drilling for rock dowels. (12 holes) Installation & packing of rock dowels (3 pcs installed)  Ch.: 0+47~0+43.5 Shotcrete 1st layer (4m <sup>3</sup> PS) Pre-splitting blast carried out Full section blast carried out Mucking and Mapping (Qv=1.11) Night F. Ch: 0+230. Approx. (D/S) Ch:0+223~0+225 .5 Packing of rock dowels U/S Ch.: 0+47~0+43.5 1st layer shotcrete 6m <sup>3</sup> 1st layer shotcrete 2nd goes 4m <sup>3</sup> Ch. 0+48~0+42.75 Drilling for rock bolts	Day F. Ch:0+230~ (D/S) Ch:0+223~0+228.0 Grouting of rock dowels (16 pcs grouted & 1 missing)  F.Ch.: 0+41.0 (U/S) Ch.: 0+48~0+43 Installation and packing of rock dowels (22 Pcs)  Night F. Ch: 0+230. Approx. (D/S) Ch.:0+221~0+226 Rectification of rebar mesh 2nd layer shotcrete 6m <sup>3</sup>  F.Ch.: 0+41.0 (U/S) Ch.: 0+48~0+43 Grouting of rock dowels 22pcs	Day F. Ch:0+230~ (D/S) Survey for blast Drilling for blast charging for blast (Exp=75 Kg) Blast carried out Mucking  F.Ch.: 0+41.0 (U/S) Ch.: 0+48.0~0+43.0 Installation of rock dowel plate's (22pcs)  Night F. Ch: 0+230. Approx. (D/S) Ch.:0+227~0+230 1st layer shotcrete PS 4m <sup>3</sup> Ch.: 0+230~ survey for blast Drilling for blast Charging for blast Blast carried out  F.Ch.: 0+41.0 (U/S) Ch.:0+48~0+43 Installation of rebar mesh (1st round)	Day F. Ch:0+236~ Approx. (D/S) Ch.:0+233~0+236 Mucking and scaling Mapping (Q= 1.67) Shotcrete 1st layer (6m <sup>3</sup> PS)  F.Ch.: 0+41.0 (U/S) Ch.:0+48~0+43 Installation of rebar mesh (1st round)  Night F. Ch: 0+236. Approx. (D/S) Survey for blast Drilling for blast Charging for blast Blast is carried out Mucking and scaling  U/S Ch.:0+48~0+43 Rectification of rebar mesh 1st round Note: Crack appeared in shotcrete in above mentioned chainage	F Day F. Ch:0+239~ (D/S) Survey for blast Drilling for blast Charging for blast Exp=50kg No of hole's=44 Blast carried out (Contractor did the blast without AFI) Note: Contractor did the full section blast instead of Pre-splitting. Mucking  Night F. Ch: 0+239.5 ~ 0+241 (D/S) 1st layer shotcrete 4m <sup>3</sup>  U/S Ch.:0+48~0+4 3 Removing of shotcrete from crack area	Day F. Ch:0+241.0~ (D/S) Ch.:0+236.0~0+241.0 First layer shotcrete 2nd goes Qty=6.0m <sup>3</sup> PS Ch.:0+0+222.0~0+226. 0 Installation of 1st layer rebar mesh  U/S F.ch:0+041.0 Ch.:0+048.0~0+043.0 Rectification of 1st layer rebar mesh Shotcrete 2nd layer (8m <sup>3</sup> SF)  Night F. Ch: 0+239.5 ~ 0+241 (D/S) Ch.:0+226~0+231 Installation of rebar mesh  U/s Ch.:0+ Survey for blast Drilling for blast Charging for blast Exp=60kg Full section Blast is carried out Mucking and scaling
Powerhouse Cavern Pilot tunnel (Left Crown portion) I-2	Day F. Ch:0+214.0 (D/S) Ch.: 0+207~0+211.6 Grouting of rock dowels (7 pcs Grouted) Ch.: 0+214~ Survey for blast Drilling for blast Charging for blast (Exp=65 kg) Blast carried out  F. Ch: U/S Ch.: 0+070~0+050 Rectification of rebar mesh Ch.: 0+52~0+47 Fixing of 2nd layer rebar mesh Ch.: 0+25~0+17 Grouting of rock dowels (9 Pcs) NOTE: All 9 pcs are grouted by unskilled	Day F. Ch:0+214.0 (D/S) Ch.: 0+214~0+217 Rescaling Shotcrete 1st layer (6m <sup>3</sup> SF) Ch.: 0+213.9 Survey for rock dowels Drilling for rock dowels (4 new & 3 remaining)  Ch.:0+023~0+01 8.4 Grouting of rock dowels (7 pcs grouted, 2 pcs rejected due to not proper packing)	Day F. Ch:0+214.0 (D/S) Ch.: 0+213.9 Grouting of rock dowels (3 new pcs & 2 Missing grouted) Ch:0+175.0~0+160.0 Fixing of rebar mesh (2nd round) Ch:0+211~0+214 2nd pass of 1st layer shotcrete (6m <sup>3</sup> SF)  F.CH:0+012.0~ (Approx.) (U/S) CH:0+014.0~0+012.0 Shotcrete 1st layer (6m <sup>3</sup> SF) Ch:0+016.1~0+013.8 Survey for rock dowel's Drilling for rock dowels (2 Rows) Installation & packing	Day F. Ch:0+217.0 (D/S) Ch.: 0+214.0~0+217.0 First layer shotcrete sf Qty=6.0m <sup>3</sup> 0 Installation of rebar mesh (2nd round) Ch.:0+183.0~0+189. 0 Installation of rebar mesh (2nd round)  F.CH:0+012.0~ (Approx.) (U/S) Survey for blast Drilling for blast Charging for pre-split blast (24 kg) CH:0+040.0~0+034. 0 Installation of rebar	Day F. Ch:0+220.0 (D/S) Ch.: 0+217~0+220 Note: 8m <sup>3</sup> SF Shotcrete rejected due to shotcrete robot break down from 10:45- 15:40 shotcrete 1st layer SF Qty 4m <sup>3</sup> Ch.:0+150~0+160 Installation of rebar mesh (2nd round) Ch.:0+170~0+185 Installation of rebar mesh (2nd round) F.CH:0+009.0~ (Approx.) (U/S) 7:35-8:20) Scaling of cracks zone. Rescaling of cracks zone but not completed.	Day F. Ch:0+220.0 (D/S) Ch.: 0+202.0~0+20 9.0 Installation of rebar mesh (1st layer)  F.CH:0+010.0 ~(U/S) CH:0+047.0~0 +63.0 Drilling for tension rock bolt Ch.:0+088.0~0 +070.0 Installation of tension rock bolt Ch.:0+038.0~0 +040.0	Day F. Ch:0+220.0 (D/S) Ch.: 0+210.0~0+218.0 Over break area Installation of wire mesh Qty=31.5m <sup>2</sup> Tensioning for tension rock bolt's Location: L25_5(2.4mm) L19_5(3.69mm) again tensioning for tension rock bolt Location: L21_5(4.21mm) L25_5(1.26mm) L16_5(1.58mm) L12_5(2.76mm) F.CH:0+010.0~(U/S) CH:0+040.0~0+50.0 Rectification of rebar mesh at wall (1st layer) Ch.:0+042.0~0+050.0 Installation of

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	<p>labor in absence of technical staff without use of Sika 3110 and Intraplate without inform DHC staff.</p> <p>Night Ch.:0+25~0+17 Drilling for rock dowels Installation of rock dowels</p> <p>D/S Ch.:0+214~ Mucking and Scaling</p> <p>Ch.:0+150~0+145 Installation of 2nd layer rebar mesh Ch. 0+160~0+165 Installation of 2nd layer rebar mesh Note: Without AFI contractor sprayed 3rd layer shotcrete Ch. 0+80~0+40 spraying 3rd layer shotcrete 40m<sup>3</sup></p>	<p>Ch.: 0+70~0+103 Drilling for weep holes Remedial shotcrete 3rd layer. (14m<sup>3</sup> PS)</p> <p>NIGHT F. Ch:0+214.0 (D/S) Ch.:0+160~0+165 Installation of rebar mesh 2nd round Ch.:0+213~0+217 Installation of rock dowels 5pcs U/S Ch. 0+70~0+50 3rd layer remedial shotcrete 8m<sup>3</sup> Ch. 0+14~ Survey for blast Drilling for blast Charging for blast Exp=125kg Blast is carried out Mucking and scaling</p>	<p>of rock dowels Ch.: 0+040.0~0+035.0 Fixing of rebar mesh on left wall Ch.: 0+040.0~0+101 2nd pass of 3rd layer shotcrete (24m<sup>3</sup> PS)</p> <p>Night F. Ch:0+214.0 (D/S) Survey for blast Drilling for blast Charging for blast Exp=100kg Blast is carried out Mucking and scaling Mapping Q=1.45</p> <p>Ch:0+167~0+173 Fixing of rebar mesh (2nd round) Ch.:0+182~0+188 Installation of rebar mesh 2nd round U/S Ch.:0+40~0+46 Installation of rebar mesh at wall 1st round Ch:0+16.1 Grouting of rock dowels 2pcs and 1pcs rejected due to leakage</p>	<p>mesh at wall (1st round) CH:0+102.75 Drilling for additional tension rock bolt (Length=7.0m) CH:0+070.0~0+086.0 Jointly thickness test has been done.</p> <p>Night F. Ch:0+214.0 (D/S) Ch.:0+190~0+195 Installation of rebar mesh 2nd round Ch.:0+60~0+165 Installation of rebar mesh 2nd round Ch:0+218~ Survey for blast Drilling for blast Charging for blast in presplitting holes (25kg) blast carried out Mucking and scaling</p> <p>U/S F.CH:0+012.0~ (Approx.) (U/S) Mucking and scaling Charging for whole section blast Exp=100kg Blast is carried out Mucking and scaling Ch:0+40~0+68 Thickness test for third layer shotcrete has been done.</p>	<p>Note: Rock fall at ch:0+017~0+012 during scaling. Mucking and scaling Mapping (Qv=1.70) CH:0+050~0+65 Installation of rebar mesh on wall (1st round)</p> <p>Night F. Ch:0+220.0 (D/S) Ch.:0+217~0+220 1st layer shotcrete 2nd goes sf 6m<sup>3</sup> Ch.:0+130~0+185 Rectification for rebar mesh 2nd layer</p>	<p>Rectification of rebar mesh at wall (1st layer) CH:0+070.0~0+110.0 Jointly thickness test</p> <p>Night F. Ch 0+10 approx. U/S Ch. 0+13~0+20 1st layer shotcrete SF 4m<sup>3</sup> sprayed and 4m<sup>3</sup> rejected due to time over</p> <p>Ch. 0+50~0+55 Drilling for post tension rock bolts Ch. 0+140~0+150 Tensioning of tension rock bolts Location, PH-P19-5, PH-R70-1, PH-R25-1, PH-R21-1, PH-P23-5 PH L23-5</p> <p>F. Ch:0+220.0 (D/S) Ch.: 0+207.0~0+212.0 Installation of rebar mesh (1st layer) Ch. 0+150~0+185 Rectification of rebar mesh</p>	<p>supporting bar's for tension rock bolt. Ch.:0+063.25~0+070.0 Drilling for tension rock bolt's Removing of loose rock</p> <p>Night F. Ch:0+220.0 (D/S) Ch.:0+216~0+220 Over break area 1st layer shotcrete 2nd goes sf 4m<sup>3</sup> Again 1st layer shotcrete 2nd goes sf 4m<sup>3</sup> Ch.:0+55~0+50 Installation of tension rock bolts Tensioning of tension rock bolts Location: L15-5 (2.55mm) L11-5 (1.60mm) Ch.:0+80~0+70 Installation of tension rock bolts Ch.:0+100~0+90 Drilling for post tension rock bolts Ch.:0+182~0+188 Installation of rebar mesh 2nd round Ch:0+160~0+180 Rectification of rebar mesh done. 3rd layer shotcrete PS 8m<sup>3</sup> again 3rd layer shotcrete PS 8m<sup>3</sup></p>
<p>Powerhouse Cavern Pilot (Crown Portion) <b>PH-I-3 &amp; I-1</b></p>	<p>Day I-3 Ch.:0+40~0+35 Fixing of rebar mesh 2nd layer i-1 Ph. I-1, &amp; I-3 Packer grouting of tension rock bolts Location: R40-1, P31-3, P29-3, P41-3, P35-3, P31-2, P39-3, P29-2, P27-2, P29-5, P37-3, P45-2 Ch.: 0+000~0+015 Rectification of 1st layer rebar's mesh.</p> <p>Night I-3 Ch.:0+90~0+80 Installation of rebar mesh on wall 1st round Ch. 0+60~0+50 Drilling for post tension rock dowels i-1 Ph. I-1, I-2, &amp; I-3 Pressure grouting of tension rock anchors Location: PH-P43-4, PH-P49-3, PH -P39-3, PH P-41-3, PH-P31-3, PH-P35-3, PH-P37-3</p>	<p>Day i-3 F. Ch:0+000(U/S) Ch.:0+59.80~0+60.95 Drilling for tension rock bolts (6 Holes drilled) Night i-3 Ch.:0+60.95~0+62.1 Drilling for tension rock bolts 9 holes i-1 Ph. I-1, I-2, &amp; I-3 Ch.:0+108~0+115 Form working of anchor head</p>	<p>Day F. Ch:0+000(U/S) Ch.: 0+075.0~0+080.0 Fixing of rebar mesh (1st round) Ph. I-1 &amp; I-3 Ch.:0+055.0~0+045.0 Drilling for tension rock bolts (Holes drilled) Night PHi1, i3 Ch.:0+90~0+50 Installation of supporting bars for post tension rock bolts</p>	<p>Day F. Ch:0+000(U/S) Ch.: 0+076.0~0+070.0 Fixing of rebar mesh at wall (1st round) Ph. I-1 &amp; I-3 Ch.:0+056.0~0+051.0 Installation of supporting bars for post tension rock bolts. Installation of tension rock bolt's Night Ph. I-1 &amp; I-3 Ch.:0+056.0~0+051.0 Installation of tension rock bolt's</p>	<p>Day Ch.: 0+080.0~0+070.0 Fixing of rebar mesh at wall (1st round) Night F. Ch:0+000(U/S) Ch.:0+40~0+35 Installation of rebar mesh 2nd layer Ch.:0+70~0+65 Installation of 1st layer rebar mesh at wall Ch.:0+50~0+55 Installation of post tension rock bolts</p>	<p>Day F. Ch:0+000(U/S) Ch.: 0+080.0~0+070.0 Fixing of rebar mesh at wall (1st round) Ch.:0+066-061 Installation of 1st layer rebar mesh at wall Ch.:0 30~0+35 Installation of rebar mesh 2nd layer Ch.: 0+040 - 050 Installation of Supporting bars for Tension RB Night F.ch:0+241.0 (D/S) I-3 F. Ch:0+000(U/S) Ch.:0+30~0+25 Installation of rebar mesh 2nd layer Ch.:0+50~0+55 Installation of 1st layer rebar mesh at wall Ch.:0+50~0+5</p>	<p>Day F. Ch:0+000(U/S) Ch.: 0+059.0~0+053.0 Fixing of rebar mesh at wall (1st layer) Ch.:0+021.0~0+027.0 Installation of rebar mesh (2nd layer) Ch.:0+035~0+20.0 1st layer of 2nd pass SF shotcrete Qty=4m<sup>3</sup> Night Ch.: 0+53~0+48 Fixing of rebar mesh at wall (1st layer) Ch.:0+25~0+20 Installation of rebar mesh (2nd layer)</p>

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						5 Installation of supporting pins for post tension rock bolts	
01A Drain Tunnel Left Crown of PH I-2	Day F. Ch:0+041.5 No Activity  Night F. Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity  Night F. Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity  Night F. Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 Mucking  Night F. Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity  Night F. Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity  Night F. Ch.:0+41.5 No Activity	Day F. Ch:0+041.5 No Activity  Night F. Ch.:0+41.5 No Activity
Service Tunnel A	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations	Day F. Ch:0+567.5~ No Activity due to resource limitations Night F. Ch:0+567.5~ No Activity due to resource limitations
Penstock Adit Tunnel towards Lower pressure Tunnel No 1	Day F.Ch.0+116.0~ No activity  Night F.Ch.0+116.0~ No activity	Day F.Ch.0+116.0~ No activity  Night F.Ch.0+116.0~ No activity	Day F.Ch.0+116.0~ No activity  Night F.Ch.0+116.0~ No activity	Day F.Ch.0+116.0~ No activity  Night F.Ch.0+116.0~ No activity <sup>3</sup>	Day F.Ch.0+116.0~ No activity  Night F.Ch.0+116.0~ No activity	Day F.Ch.0+116.0~ No activity  Night F.Ch.0+116.0~ No activity	Day F.Ch.0+116.0~ No activity  Night F.Ch.0+116.5~ Survey for blast Drilling for blast Charging for blast Exp=200kg Blast carried out
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	Day F. Ch:0+257 (Approx.) Drilling for blast Charging for blast (Exp=250 kg) Blast carried out Night F. Ch:0+257~0+260 (approx.) Mucking and scaling Mapping Q=1.15 1st layer shotcrete 5m <sup>3</sup>	Day F. Ch:0+261 Survey for blast Drilling for blast continue to next shift. Night F. Ch:0+261 Drilling for blast Charging for blast (Exp=175kg) Blast is carried out Mucking and scaling	Day F. Ch:0+261.0~8:20-8:43) Mapping (Qv=1.33) 13:22-14:03) Shotcrete 1st layer (5m <sup>3</sup> SF) 17:20-17:45) Survey for blast on right part. Night F. Ch:0+261.00~ Drilling for blast Charging for blast Exp=260kg blast is carried out Mucking and scaling in progress Note: Contractor has been blasting without AFI	Day F. Ch:0+263.0~ Scaling & invert levelling Mapping (Qv=0.67) Shotcrete 1st layer (6m <sup>3</sup> PS) Night F. Ch:0+263.00~ lower pressure tunnel 2 Survey for blast Drilling for blast Charging for blast Exp=260kg Blast carried out Mucking in progress	Day F. Ch:0+267.0~ (Approx.) Mucking and scaling Mapping Qv=1.17 Shotcrete 1st layer. (6m <sup>3</sup> PS) Night Lower Pressure tunnel Ch.:0+8.5 Survey for blast Drilling for blast Charging for blast Exp=260kg Blast is carried out Mucking	Day F. Ch:0+267.0~ (Approx.) Lower Pressure tunnel Ch.:0+8.5~0+11 approx. Mucking and Scaling Mapping Q=1.46 1st layer Shotcrete PS Qty=08m <sup>3</sup> Night No activity	Day F. Ch:0+267.0~ (Approx.) Lower Pressure tunnel Ch.:0+011.0~ Charging for blast Exp=200kg Blast carried out Mucking & scaling Night No activity
GIS Cavern Access Tunnel from STA	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity	Day F.CH:0+116 approx. No Activity  Night F.CH:0+116 approx. No Activity
Connection Tunnel to Powerhouse From STA	Day F. Ch:0+076 No Activity  Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity  Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity  Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity  Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity  Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity  Night F. Ch:0+076 No Activity	Day F. Ch:0+076 No Activity  Night F. Ch:0+076 No Activity
Surge Chamber Vault Access Tunnel	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity	Day No activity  Night No activity
Drain Tunnel	Day F.Ch. 0+944.0~ Ch.:0+942~0+944 Shotcrete 1st layer (1.5 m <sup>3</sup> SF) Ch.: 0+928~0+939	Day F.Ch. 0+946.0~ Mucking and scaling Mapping (Qv=1.46)	Day F.Ch. 0+946.0~ Drilling for blast Charging for blast Exp=75kg Note: From 11:25~	Day F.Ch. 0+947.0 Survey for blast Drilling for blast Charging for blast (Exp=55 kg)	Day F.Ch. 0+948.5.0 Survey for blast Drilling for blast Charging for blast (Exp=75 kg)	Day F.Ch. 0+949.5.0 Design excavation is complete	Day F.Ch. 0+949.5.0 Design excavation is complete Ch.:0+775.0~0+840.0 Drilling for missing rock



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**Appendix K [23/26]**

	No Activity due to Limited resources Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 No Activity due to Limited resources Design Excavation is completed. But support work is remaining.	Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.	Design Excavation is completed. But support work is remaining.  NIGHT F. Ch:0+963 Design Excavation is completed. But support work is remaining.
Draft Tunnel Towards Tailrace Tunnel No 2	Day Ch: K0+053.5 No Activity  Night Ch: K0+053.5 No Activity.	Day Ch: K0+053.5 No Activity  Night Ch: K0+053.5 No Activity.	Day Ch: K0+053.5 No Activity  Night Ch: K0+053.5 No Activity.	Day Ch: K0+053.5 No Activity  Night Ch: K0+053.5 No Activity.	Day Ch: K0+053.5 No Activity  Night Ch: K0+053.5 No Activity.	Day Ch: K0+053.5 No Activity  Night Ch: K0+053.5 No Activity.
Draft Tunnel Towards Tailrace Tunnel No 1	Day F ch:0+057.0 No Activity  Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity  Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity  Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity  Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity  Night F ch:0+057.0 No Activity	Day F ch:0+057.0 No Activity  Night F ch:0+057.0 No Activity
Exhaust Tunnel	Day F. Ch:0+193 Design excavation is completed only support work is remaining.  Night F. Ch:0+193 No Activity due to Limited resources Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.  Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.  Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.  Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.  Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.	Day F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.  Night F. Ch:0+193 No Activity Design excavation is completed only support work is remaining.
Service Tunnel C	Note: -Design Excavation (450 m) has been Completed. Ch.:0+341~0+359.0 Grouting for rock dowels	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity regarding to Support work.	Note: -Design Excavation (450 m) has been Completed. No Activity
Transformer Cavern Tunnel i-2	Day F. Ch:0+241.0~ (D/S) Ch.:0+0+232~0+238 Installation of 1st layer rebar mesh  F.ch:0+038.0 (U/S) 1st layer shotcrete (6m³ PS) Survey for blast Drilling for blast Charging for blast (Exp=60 kg) Blast carried out Mucking and scaling  Night  F.ch:0+038.0~ 0+35 (U/S) 1st layer shotcrete 5m³ Ch. 0+42.75~0+39.0 Survey for rock dowels Drilling for rock dowels	Day F. Ch: 0+035 ~ (U/S) Ch.: 0+042.75 - 0+039.0 Installation of Rock Dowels (PCS=22)  Night F. Ch: 0+241 (D/S) Ch:228.0~0+240.5 Drilling for rock dowels F. Ch: 0+035 U/S Ch.:0+42.75~37.75 Grouting of rock dowels 17pcs Grouted & 5 holes blocked	Day Ch. 0+200-210 Fabrication of scaffolding pipes platform Ch.: 0+225 - 241 Installation of Rock Dowels (Pcs=) F. Ch: 0+035 Drilling for blast suspended due to unavailability of water Night Drilling of Blast is in progress, Survey for Blast Blast Carried Out	Day Fabrication of scaffolding pipes. Installation of Rock dowel Survey for blast Blast carried out.  Night Mucking in progress Support work is in progress, Survey for blast and drilling for Blast.	Day F. Ch:0+241.0~ (D/S) Ch.:0+228.0~0+239.25 Grouting for rock dowel's (06pcs Used cement=950kg F. Ch: 0+029.0~(Approx.) Ch.:0+35.5 - 0+31.75 Drilling for rock dowels Night F. Ch: 0+241 (D/S) Ch:0+228.0~0+239.25 Installation of rock dowels face plates Ch:0+200.0~0+165.0 Support work is in progress	Day F. Ch:0+241.0~ (D/S) Ch.:0+228.0~0+239.25 Grouting for rock dowel's (06pcs Used cement=950kg F. Ch: 0+029.0~(Approx.) Ch.:0+35.5 - 0+31.75 Drilling for rock dowels Night F. Ch: 0+241 (D/S) Ch:0+228.0~0+239.25 Installation of rock dowels face plates Ch:0+200.0~0+165.0 Support work is in progress
Transformer Cavern Pilot Tunnel I-1 and I-3	Day F. Ch Approx. 0+241.0 (D/S) F. Ch:0+123.0 Approx. Ch.: 0+133.0~0+125.5 Grouting of rock dowels (37 Pcs grouted & 2 remaining) (Complete row at Ch.:0+134.25 not drilled) Ch.: 0+241~0+215 1st layer shotcrete at right wall (16m³ PS)  Night F. Ch:0+123.0~ Survey for blast Drilling for blast Charging for blast Exp=100kg Blast carried out	F. Ch Approx. 0+241.0 (D/S) F. Ch:0+120.0 Approx. Ch.: 0+123 - 120 1st layer Shotcrete (PS Qty=06m³) (Exp=115kg) Blast carried out Note: full section blast instead of presplitting & blast carried out without AFI Night F. Ch:0+120 (U/s) mucking and scaling Geological mapping Q=1.67 1st layer PS shotcrete Qty=7m³	Day F. Ch Approx. 0+241.0 (D/S) F. Ch:0+117 Approx. Ch.: 0+130 - 124 Installation of 1st layer rebar mesh Ch.: 200 - 215 1st layer Plain SC on right wall (Qty = 07m³) Ch.: 0+225 - 220 Fabrication of Scaffolding pipes platform  Night Installation of First layer of rebar mesh.	Day F. Ch Approx. 0+241.0 (D/S) F. Ch:0+117 Approx. Ch.: 0+130 - 124 Installation of 1st layer rebar mesh Ch.: 200 - 215 1st layer Plain SC on right wall (Qty = 07m³) Ch.: 0+225 - 220 Fabrication of Scaffolding pipes platform  Night Installation of First layer of rebar mesh.	F. Ch Approx. 0+241.0 (D/S) F. Ch:0+118 Approx. (U/S) Ch.: 0+125.0~0+120.0 installation of 1st layer rebar mesh Ch.:0+215.0~0+205.0 Installation of rebar mesh at wall (1st layer)  Night F. Ch Approx. 0+241.0 (D/S) U/S Ch:0+135.0~0+123.0 Rectification of first layer rebar mesh	F. Ch Approx. 0+241.0 (D/S) F. Ch:0+118 Approx. (U/S) Ch.: 0+125.0~0+120.0 installation of 1st layer rebar mesh Ch.:0+215.0~0+205.0 Installation of rebar mesh at wall (1st layer)  Night F. Ch Approx. 0+241.0 (D/S) U/S Ch:0+135.0~0+123.0 Rectification of first layer rebar mesh



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	Night F. Ch:0+567.5 No Activity due to resource limitations	Night F. Ch:0+567.5 No Activity due to resource limitations	Night F. Ch:0+567.5 No Activity due to resource limitations	Night F. Ch:0+567.5 No Activity due to resource limitations	Night F. Ch:0+567.5 No Activity due to resource limitations	Night F. Ch:0+567.5 No Activity due to resource limitations
Penstock Adit Tunnel towards Lower pressure Tunnel No 1	Day F.Ch:0+116.5~ ) Mucking & scaling Mapping (Qv=1.87) Shotcrete 1st layer (6m <sup>3</sup> PS) Night F.Ch:0+116.5~ Survey for Blast Drilling for Blast Charging for Blast Blast carried out	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.: 0+00 - 0+11.5 (2nd Round) Mucking & scaling Mapping (Qv=1.87) First layer shotcrete (SF Qty=8m <sup>3</sup> )  Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.: 0+00 - 0+11.5 (2nd Round) survey for blast Drilling for blast Charging for blast Exp=225kg Blast is carried out 4Mucking	Day F PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.: 0+00 - 0+11.5 (4th Round) Night Support work is in progress. Rectification of wire mesh is in progress	Day F Ch.: Approx~0+116 No Activity Night F Ch.:0+113.5 0+97.6~0+101.3 grouting and installation of rock bolts 23pcs	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.: 0+00 - 0+11.5 (5th round) First layer of shotcrete (PS Qty=06m <sup>3</sup> ) Drilling for blast on right side towards manifold area without survey  Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.: 0+00~0+11.5 (5th Round) Charging for blast Exp=250kg Blast is carried out Mucking and scaling	Day PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.: 0+00 - 0+11.5 (5th round) First layer of shotcrete (PS Qty=06m <sup>3</sup> ) Drilling for blast on right side towards manifold area without survey  Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Ch.: 0+00~0+11.5 (5th Round) Charging for blast Exp=250kg Blast is carried out Mucking and scaling
Penstock Adit Tunnel towards Lower pressure Tunnel No 2	Day F. Ch:0+267.0~ (Approx.) Lower Pressure tunnel Ch.:0+011.0~ No Activity  Night F. Ch:0+267.0~ (Approx.) Lower Pressure tunnel Ch.:0+011.0~ No Activity	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 Manifold Ch.: 0+011 - 013 Installation of wire mesh stopped due to improper shotcrete Rescaling 1st layer shotcrete. (Qty=8m <sup>3</sup> SF)  Night F. Ch:0+11 approx. Ch.:0+03~0+09 Installation of wire mesh Qty=42m <sup>2</sup>	Day PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) F.ch.0+016 Ch.: 0+09 - 014 Installation of wire mesh (Qty =) Night Blast Carried out	Day F.CH:0+251.5 No activity due to resources limitation and shortage of manpower	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) F.ch.0+016 Charging for blast (Exp=175kg) Blast carried out Invert leveling and scaling of face Night F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) Ch.:0+0+15.5 Shotcrete 1st layer PS Qty= 8m <sup>3</sup> Survey for blast Drilling for blast	PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) F.ch.0+016 Charging for blast (Exp=175kg) Blast carried out Invert leveling and scaling of face Night F. Ch:0+11 approx. PAT- 02 Design Excavation Complete Lower Pressure Tunnel 02 (Manifold and Bend Tunnel) Ch.:0+0+15.5 Shotcrete 1st layer PS Qty= 8m <sup>3</sup> Survey for blast Drilling for blast
GIS Cavern Access Tunnel from STA	Day F.ch:0+116 No Activity  Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity  Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity  Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity  Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity  Night F.ch:0+116 No Activity	Day F.ch:0+116 No Activity  Night F.ch:0+116 No Activity
Connection Tunnel to Powerhouse From STA	Day F. Ch:0+076 No Activity due to lack of available resources. Night F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources. Night F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources. Night F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources. Night F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources. Night F. Ch:0+076 No Activity due to lack of available resources.	Day F. Ch:0+076 No Activity due to lack of available resources. Night F. Ch:0+076 No Activity due to lack of available resources.
Service Tunnel B	Survey for spoils for STB.	Ch. 0+00 Drilling for spiels	No Activity	Day Ch. 0+00 Drilling for spiels on crown (total 18 pcs) Grouting of spiels (Length=3m, total=06pcs)  Night F. Ch:0+00 Ch.:0+00 Grouting for Spiels (L=3m, total=9pcs) Cement Qty=150kg	Day Ch. 0+00 Survey for blast  Night F. Ch:0+00 Ch.:0+00 Manually drilling for blast is in progress	Day Ch. 0+00 Survey for blast  Night F. Ch:0+00 Ch.:0+00 Manually drilling for blast is in progress
Surge Chamber Vault Access Tunnel	NO Activity	Day NO Activity  Night	Day F. Ch:0+517 NO Activity  Night	Day F. Ch:0+517 NO Activity  Night	Day F. Ch:0+517 NO Activity  Night	Day F. Ch:0+517 NO Activity  Night

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		NO Activity	(No Activity)	(No Activity)	(No Activity)	(No Activity)
Existing shaft tunnel from I1 drain tunnel	Day Vertical Existing shaft Opening of choked holes for next blast.  Night Vertical Existing shaft Mucking	Day Vertical Existing shaft Opening of choked holes for next blast. Charging for blast (Exp=50kg) Blast carried out Night Vertical Existing shaft Charging for blast is in progress (Exp=50kg)	Day Vertical Existing shaft Opening of choked holes for next blast.  Night	Day Drilling of 12th main blasting hole (in progress)  Night Drilling of 12th main blasting hole	Day Vertical Existing shaft cleaning of choked holes for next blast  Night No Activity	Day Vertical Existing shaft cleaning of choked holes for next blast  Night No Activity
Drain Tunnel	Day F.Ch. 0+949.5.0 Design excavation is complete Ch.:0+837.5~0+775 Grouting for missing rock dowels (70 pcs)  Night F.Ch. 0+949.5.0 Design excavation is complete No Activity	Day F.Ch. 0+949.5.0 Design excavation is complete  Night F.Ch. 0+949.5.0 Design excavation is complete	Day F.Ch. 0+949.5.0 Design excavation is complete  Night F.Ch. 0+949.5.0 Design excavation is complete	Day F.Ch. 0+949.5.0 Design excavation is complete  Night F.Ch. 0+949.5.0 Design excavation is complete	Day No activity  Day F.Ch. 0+949.5 Design excavation is complete Ch.:0+781~0+659.5 Grouting for missing rock dowels 42pcs L=2m & 4pcs (L=3m at junction area) Total Qty=46pcs Grouted	Day No activity  Day F.Ch. 0+949.5 Design excavation is complete Ch.:0+781~0+659.5 Grouting for missing rock dowels 42pcs L=2m & 4pcs (L=3m at junction area) Total Qty=46pcs Grouted
CR-05-01 Access Road	No activity	NO Activity	No Activity	LU-1 No Activity	Drilling for bolder blast	Drilling for bolder blast
CGGC Camp KASS	Temporary facilities * Stone masonry for retaining wall * Installation of precast rooms * Installation of conduit * White washing *Block masonry for washroom * Form working of foundation for new block.	Temporary facilities * Stone masonry for retaining wall * Installation of precast rooms * Installation of conduit * White washing *Block masonry for washroom * Form working of foundation for new block.	Temporary facilities * Stone masonry for retaining wall * Installation of precast rooms * Installation of conduit * White washing *Block masonry for washroom * Form working of foundation for new block.	Temporary facilities * Stone masonry for retaining wall * Installation of precast rooms * Installation of conduit * White washing *Block masonry for washroom * Form working of foundation for new block.	Temporary facilities * Stone masonry for retaining wall * Installation of precast rooms * Installation of conduit * White washing *Block masonry for washroom * Form working of foundation for new block.	Temporary facilities * Stone masonry for retaining wall * Installation of precast rooms * Installation of conduit * White washing *Block masonry for washroom * Form working of foundation for new block.
CT-2 Adit Tunnel	Portal area * Form working for Water tank	Drilling for Rock Dowels Excavation & Leveling Grouting for Rock Dowels (40pcs & 2pcs block) installation of rebar & Form working for Water tank	Form working of water tank Fixing of steel Arch Excavation & leveling	Ch.: 0+001 welding of wire mesh with steel arches (Quantity=47.25m <sup>2</sup> ) Drilling for rock dowels and support bar for steel arches. Form working of water tank	Ch.: 0+001 welding of wire mesh with steel arches (Quantity=47.25m <sup>2</sup> ) Drilling for rock dowels and support bar for steel arches. Form working of water tank	Ch.: 0+001 welding of wire mesh with steel arches (Quantity=47.25m <sup>2</sup> ) Drilling for rock dowels and support bar for steel arches. Form working of water tank
Switch yard Compound	El: ▼930~920(4th layer) Excavation El: ▼980~970(5th layer) Excavation	El: ▼930~920(4th layer) Excavation El: ▼980~970(5th layer) Excavation	El: ▼930~920(4th layer) Excavation El: ▼980~970(5th layer) Excavation	El: ▼930~920(4th layer) Excavation El: ▼980~970(5th layer) Excavation	Drilling for blast 5th layer	Drilling for blast 5th layer
Switch yard Day work order	Day work order Removing of dump material	Day work order Removing of dump material	Day work order Removing of dump material	Day work order Removing of dump material	Day work order Removing of dump material	Day work order Removing of dump material
<b>Remarks</b>						



