



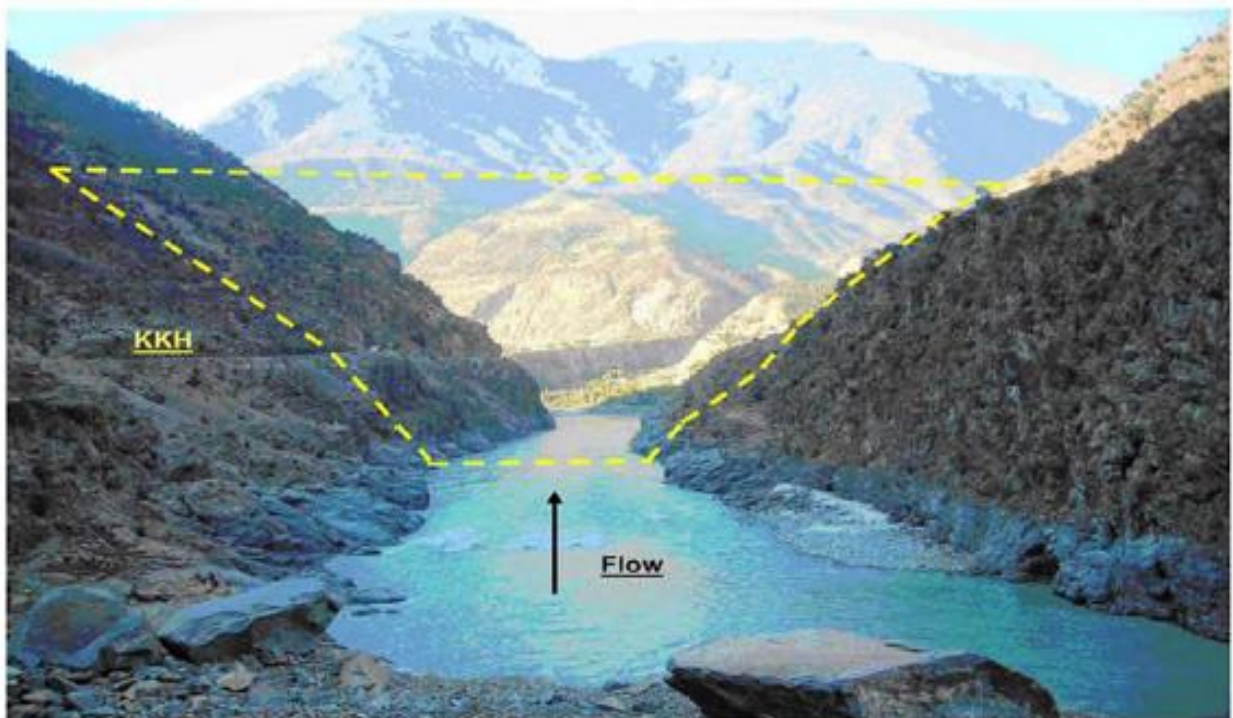
PAKISTAN WATER AND POWER DEVELOPMENT AUTHORITY

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. 105

April 2023

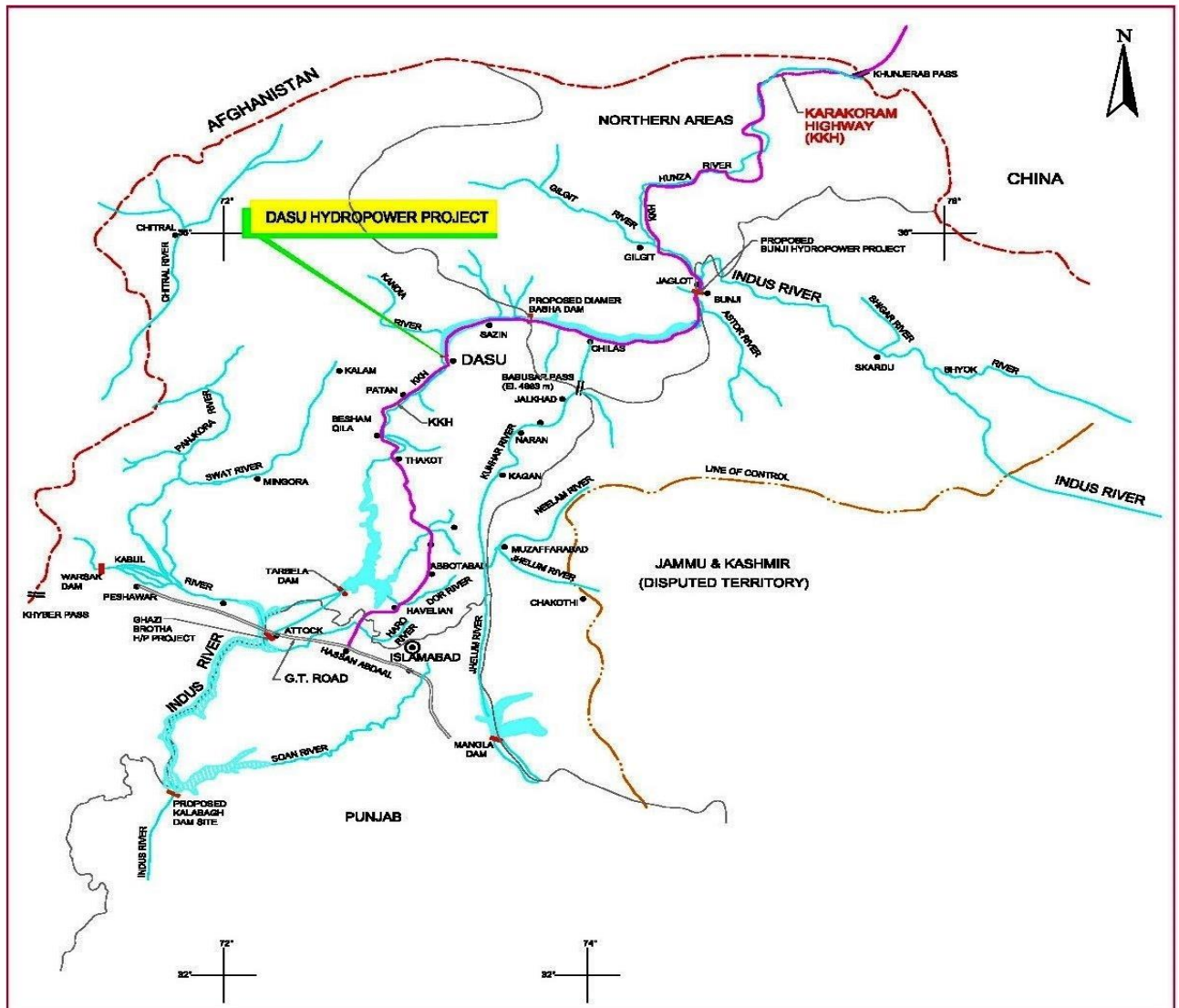
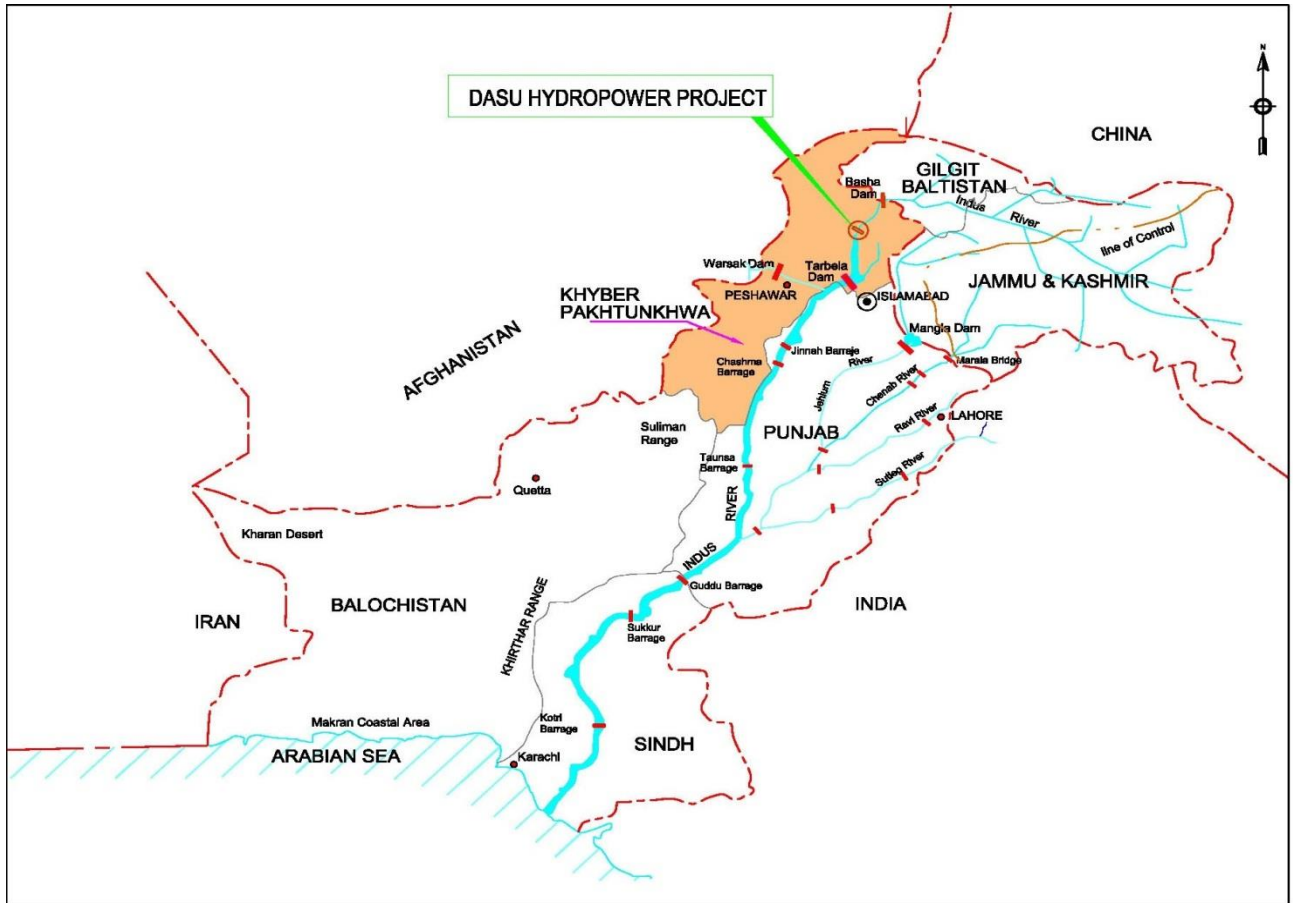
Dasu Hydropower Consultants (DHC)

Joint Venture of



With Sub-Consultants





ABBREVIATIONS

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

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

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

Salient Features of the Project

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

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

TABLE OF CONTENTS

1	Executive Summary.....	1
1.1	Major Events	1
1.2	Procurement Status.....	1
2	Project Description.....	2
3	Construction Supervision Consultants Activity	4
3.1	Contract for the Consultancy Services	4
3.2	Objectives and Scope of Work.....	4
3.2.1	Objectives.....	4
3.2.2	Scope of the Services	4
3.2.3	Reports and Documents	5
3.2.4	Commencement of the Services	5
3.3	Staffing Status	6
3.4	Major Activities of Construction Supervision Consultants.....	6
3.4.1	Construction Supervision	6
3.4.2	Procurement, Contract Administration and Measurement	7
3.4.3	Road Section of KKHs and RARs (KKH-01, KKH-02, RAR-01, RAR-02)	10
3.4.4	TL Section	12
3.4.5	Main Work Section (MW-01, MW-02).....	12
3.4.6	Infrastructure Section (LBRV-11, LBRV-12, PCI-01R, RV).....	13
3.4.7	EM-01 – Civil Works	16
3.4.8	Environment Management Section	17
	DHC/Dasu/CGGC/MW-02/zic/23-271; Absence of Senior Management During Joint Inspections with the Engineer and WAPDA	19
3.4.9	OHS Management Section	21
3.4.10	Social & Resettlement Management Section	22
3.4.11	Others.....	25
3.4.12	Meetings.....	34
3.4.13	Correspondence during the Reporting Period	34
4	Construction Activities	34
4.1	Dasu-KKH-01: Relocation of Karakoram Highway from KM 0+000 to KM 25+200...35	35
4.1.1	General Contract Data of KKH-01	35
4.1.2	Progress Status of KKH-01	35
4.1.3	Major Activities of KKH-01	35
4.1.4	Location wise Current Status of KKH-01	36
4.2	Dasu-KKH-02: Construction of relocated KKH -02 (K24 to K61)	36
4.2.1	General Contract Data of KKH-02.....	36
4.2.2	Progress Status of KKH-02.....	36
4.2.3	Major Activities of KKH-02	36
4.3	Dasu-RAR-01: Construction of Right Bank Access Road from Komila to Dam Site	37
4.3.1	General Contract Data of RAR-01.....	37
4.3.2	Progress Status of RAR-01	37
4.3.3	Major Activities of RAR-01	37
4.4	Dasu-RAR-02: Construction of Right Bank Access Road (Dam Site to Uttar Gah).....37	37
4.4.1	General Contract Data of RAR-02.....	37
4.4.2	Progress Status of RAR-02.....	38

4.4.3	Major Activities of RAR-02	38
4.5	DASU-TL-01: 132 kV Single Circuit Transmission Line and Grid Station from Switchyard Dubair Khwar to Proposed Grid Station Dasu	38
4.5.1	General Contract Data of TL-01	38
4.5.2	Progress Status of TL-01	38
4.5.3	Major Activities of TL-01	39
4.5.4	Location wise Current Status of TL-01	46
4.6	DASU-MW-01: Main Hydraulic Structure, Spillway, Low Level Outlets, River Diversions and Hydraulic Steel Structures.....	46
4.6.1	General Contract Data of MW-01	46
4.6.2	Progress Status of MW-01	46
4.6.3	Major Activities of MW-01	47
4.6.4	Location wise Current Status of MW-01	54
4.6.5	Summary of Varied Works of MW-01	57
4.6.6	Summary of Daily Work Records of MW-01	58
4.7	DASU-MW-02: Underground Power Complex, Tunnels and Hydraulic Steel Structures	58
4.7.1	General Contract Data of MW-02.....	58
4.7.2	Progress Status of MW-02.....	58
4.7.3	Major Activities of MW-02	58
4.7.4	Summary of Daily Work Records of MW-02.....	62
4.7.5	Dewatering Record	63
4.8	Dasu-LBRV-11: Resettlement Villages (Khoshe, Logro & Uchar).....	63
4.8.1	General Contract Data of LBRV-11	63
4.8.2	Progress Status of LBRV-11	63
4.8.3	Major Activities of LBRV-11	63
4.8.4	Location wise Status of LBRV-11.....	64
4.9	Dasu-LBRV-12: Resettlement Villages (Barseen, Nasirabad & Kaigah/Dhaar).....	64
4.9.1	General Contract Data of LBRV-12.....	64
4.9.2	Progress Status of LBRV-12.....	64
4.9.3	Major Activities of LBRV-12	64
4.9.4	Location wise Status of LBRV-12.....	64
4.10	Dasu-PCI-01R: Construction of Project Colony and Infrastructure.....	64
4.10.1	General Contract Data of PCI-01R.....	64
4.10.2	Progress Status of PCI-01R.....	65
4.10.3	Major Activities of PCI-01R	65
4.10.4	Location wise Status of PCI-01R.....	65
4.11	Dasu-RV: Resettlement of Village Couching and Construction of Spatial Museum	66
4.11.1	General Contract Data of RV	66
4.11.2	Progress Status of RV	66
4.11.3	Major Activities of RV	66
4.11.4	Location wise Status of Dasu RV	67
4.12	Dasu-EM-01: Procurement of Plant of Plant Design, Supply, Installation, Testing & Commissioning Hydro-Mechanical and Electrical Equipment.	67
4.12.1	General Contract Data of EM-01	67
4.12.2	Progress Status of EM-01	67
4.12.3	Major Activities of EM-01 (Civil Works)	68
4.12.4	Equipment Detail	69

5	Payment and Claim Status	69
5.1	DHC Payment Status	69
5.2	Detail of Land Acquisition & Compensation Payment Status to DC	74
5.3	Details of Interim Payment Certificates	83
5.4	Details of Claims/Notifications.....	83
5.5	Variations Status.....	83
5.6	Contract Information and Status of Guarantee & Insurance.....	83
6	OHS Management Activites	84
6.1	Major Project Activities in the Reporting Month.....	84
6.2	Incident Statistics and Description for the Reporting Month	84
6.2.1	Description of Incidents/Accidents (Work Related).....	85
6.2.2	Material Damage	85
6.2.3	Key Performance Indicators – During Reporting Month	85
6.3	Safety Performance	86
6.3.1	Injuries and Illness Performance	86
6.3.2	Unsafe Condition, Unsafe Act and Near-Miss	86
6.3.3	Incident Pyramid	87
6.3.4	Monthly OHS Progress Review Meeting	87
6.3.5	Status of Non-Compliance Reports (NCRs)	87
6.3.6	Joint Site Inspection by PMU, DHC, and Contractors:.....	88
6.3.7	Training and Capacity building:	88
6.3.8	Plant and equipment Inspection	89
6.3.9	Covid-19 Cases	90
6.4	General	90
6.4.1	High-Level OHS Management	90
6.4.2	OHS Systems and Procedures	91
6.4.3	OHS Underground Works	91
7	Social and Resettlement Management Activities	92
7.1	Land Acquisition and Compensation Payment	92
7.1.1	Land Acquisition Status	92
7.1.2	Status of Compensation Payments	92
7.1.3	Land Revenue Survey:	92
7.1.4	Draft Sections/Corrigendum issued.....	92
7.1.5	Meeting of Compensation Disbursement Committee (During the Reporting)	93
7.1.6	Cost Assessments and Verifications	93
7.1.7	GIS Verification.....	93
7.1.8	Status of Land Lease of Kass	94
7.2	Development of Resettlement Sites and Relocation	94
7.2.1	Progress of Seven under Construction Resettlement Sites (under construction).....	94
7.2.2	Progress and Issues of Under Construction Resettlement Sites	95
7.2.3	Status of ESMR Files Preparation and Payment.....	95
7.2.4	Status of TRP Payment	96
7.2.5	Status of demolished Houses	96
7.2.6	Relocation of two government Schools:	97
7.2.7	Other Major Activities Carried Out by R&R Team	98
7.3	Public Consultation and Participation.....	98
7.3.1	Public Consultations Regarding Resettlement Sites.....	98

7.3.2	Public Consultation Regarding Other Components/Construction Sites to Resolve Issues.....	98
7.3.3	Other Major Activities Carried Out during the Reporting Month.....	99
7.4	Income and Livelihood Restoration Program (ILRP).....	99
7.5	Local Area Development Program (LADP).....	99
7.6	Public Health and Gender Implementation Plan (PHIP)	99
7.7	Gender Implementation Plan (GIP)	100
7.8	Implementation of Communication Plan.....	100
7.9	Independent Grievance Redress Committee (IGRC)	101
7.10	Migration Management.....	101
7.10.1	Other Major Activities during the month	101
7.11	Internal Monitoring and Evaluation (M&E)	102
7.11.1	Monitoring of Compensation Payment Process at DC Office	102
7.11.2	Accounts Adjustment Submissions to WAPDA	102
7.11.3	Monitoring of Temporary Relocation Payment (TRP) and Allowances to Affected Households	103
7.11.4	Preparation and Review of Files and Payment of ESMR Package.....	103
7.11.5	Compilation of Compensation and Allowances Payment Data and Entry in MIS ...	103
7.12	Development of Management Information System	104
7.12.1	OHS Document Management System	104
7.12.2	Upgradation of Land Acquisition report structure:	104
7.12.3	Maintenance of Operational Modules.....	104
7.13	Status of Key Performance Indicators (KPIs) of S&R Section (During the Month)	104
7.14	Implantation Plan of S&R Teams for Next Month	106

LIST OF TABLES

Table 1.1:	Procurement Status of Preparatory and Main Works Contracts	1
Table 1.2:	Procurement Status of Preparatory Contracts to be Awarded	2
Table 2.1:	Implementation of Vision 2025 Program	3
Table 2.2:	Structural Components for Each Stage	3
Table 3.1:	List of Reports and Documents to be provided	5
Table 3.2:	Summary of the DHC Staff MMs	6
Table 3.3:	Total DHC Staffing on the Project	6
Table 3.4:	Arrival of DHC Expatriates at Project	6
Table 3.5:	Departure of DHC Expatriates from Project	6
Table 3.6:	Mobilization of DHC Local Technical Staff at Project	6
Table 3.7:	Demobilization of DHC Local Technical Staff from Project	6
Table 4.1:	Basic information of Dasu HPP Overall Baseline Schedule Rev.3	34
Table 4.2:	Dasu HPP Overall Progress at the end of this Month	35
Table 4.3:	General Contract Data of DASU-KKH-01	35
Table 4.4:	Progress of KKH-01 this Month	35
Table 4.5:	Location wise Status (KKH-01).....	36
Table 4.6:	General Contract Data of Dasu-KKH-02	36
Table 4.7:	Progress of KKH-02 this Month	36
Table 4.8:	General Contract Data of DASU-RAR-01	37
Table 4.9:	Progress of RAR-01 this Month	37
Table 4.10:	General Contract Data of Dasu-RAR-02	37
Table 4.11:	Progress of RAR-02 this Month	38
Table 4.12:	General Contract Data of Dasu-TL-01	38
Table 4.13:	Progress of Dasu-TL-01 this Month.....	38
Table 4.14:	Tower Wise Status of Line Work	39
Table 4.15:	Overall Summary of Major Activities of Transmission Line	45
Table 4.16:	Area wise Summary of Major Activities of Line Work.....	46
Table 4.17:	Materials on Site	46
Table 4.18:	Location wise Status (TL-01).....	46
Table 4.19:	General Contract Data of Dasu-MW-01	46
Table 4.20:	Progress of Dasu-MW-01 this Month	47
Table 4.21:	Location wise Status (MW-01).....	54
Table 4.22:	Status of Variation Order by the Engineer.....	58
Table 4.23:	General Contract Data of Dasu-MW-02	58
Table 4.24:	Progress of MW-02 this Month	58
Table 4.25:	General Contract Data of Dasu-LBRV-11	63
Table 4.26:	Progress of LBRV-11 this Month	63
Table 4.27:	Location wise Status (LBRV-11).....	64
Table 4.28:	General Contract Data of Dasu-LBRV-12	64
Table 4.29:	Progress of LBRV-12 this Month	64
Table 4.30:	Location wise Status (LBRV-12).....	64
Table 4.31:	General Contract Data of Dasu-PCI-01R	65
Table 4.32:	Progress of PCI-01R this Month	65
Table 4.33:	Location wise Status (PCI-01R)	65
Table 4.34:	General Contract Data of Dasu-RV	66

Table 4.35:	Progress of Dasu-RV this Month	66
Table 4.36:	Location wise Status (DASU-RV)	67
Table 4.37:	General Contract Data of Dasu-EM-01	67
Table 4.38:	Progress of EM-01 this Month	68
Table 5.1:	Tentative Cost of Land Acquired	74
Table 6.1:	Key Performance Indicators during Reporting Month	85
Table 6.2:	Status of Outcomes Monthly Progress Review Meeting	87
Table 6.3:	Status of NCRs since commencement of Project	87
Table 6.4:	List of Joint Site Inspections	88
Table 7.1:	Batch-wise Status of Land Acquisition (Updated by End of Reporting Month)	92
Table 7.2:	Compensation Paid during the Reporting Month	92

LIST OF FIGURES

- 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: Work Progress
- Figure 5: Contracts Procurement Schedule
- Figure 6: Dasu HPP Overall Progress (Physical Progress)
- Figure 7: Dasu HPP Overall Progress (Financial Progress)
- Figure 8: Gantt Chart of Dasu-KKH-01 (1 of 5)
- Figure 9: S Curve for Dasu-KKH-01
- Figure 10: S Curve for Dasu-KKH-02
- Figure 11: Gantt Chart of Dasu-RAR-01 (1 of 6)
- Figure 12: S Curve for Dasu-RAR-01
- Figure 13: S Curve for Dasu-RAR-02
- Figure 14: Gantt Chart of Dasu-TL-01 (1 of 4)
- Figure 15: S Curve for Dasu-TL-01
- Figure 16: Gantt Chart of Dasu-MW-01 (1 of 6)
- Figure 17: S-Curve for MW-01
- Figure 18: Gantt Chart of Dasu-MW-02 (1 of 8)
- Figure 19: S-Curve for MW-02
- Figure 20: Gantt Chart of Dasu-LBRV-11 (1 of 14)
- Figure 21: S-Curve for LBRV-11
- Figure 22: Gantt Chart of Dasu-LBRV-12 (1 of 10)
- Figure 23: S-Curve for LBRV-12
- Figure 24: Gantt Chart of Dasu-PCI-01R (1 of 2)
- Figure 25: S-Curve for PCI-01R
- Figure 26: Gantt Chart of Dasu-RV (1 of 5)
- Figure 27: S-Curve for RV
- Figure 28: Gantt Chart of Dasu-EM-01 (1 of 4)
- Figure 29: S-Curve for EM-01

LIST OF APPENDICES

- Appendix A: Project Activities Pictorial
- Appendix B: The Envisaged Man Months (MMs)
- Appendix C: Submission of Deliverables
- Appendix D: List of Meetings
- Appendix E: Correspondence of Incoming and Outgoing Letters
- Appendix F: Details of Interim Payment Certificates
- Appendix G: Details of Claims/Notifications
- Appendix H: Variations Status
- Appendix I: Contract Information
- Appendix J: Contract Status of Guarantee and Insurance
- Appendix K: Summary of Daily Work Records of MW-01 & MW-02

1 EXECUTIVE SUMMARY

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

1.1 Major Events

- (1) An on-line meeting was held with the World Bank Team during the reporting month. The meeting was held to discuss the progress and issues of under construction resettlement sites. Following members participated in the meeting.

1. Mr. Imran-ul Haq (Senior Social Development Specialist – World Bank)
2. Mr. Khalid Khan Judoon, Director General Social Safeguards, DHPP – WAPDA Dasu
3. Mr. Ijaz Ahmad, Director S&R, SRU-WAPDA, Dasu
4. Mr. Shahid Mir, Advisor LADP, DHPP – WAPDA Dasu
5. Mr. Aamir Nazeer Chief Social and Resettlement, DHC Dasu
6. Mr. Kan Tateki, Resident Engineer - Infrastructure, DHC, Dasu
7. Mr. Rasheed Ahmed, Senior Engineer – Infrastructure, DHC, Dasu.

- (2) An agitation was held by the local community on the night of 17-04-2023, against the behavior of a Chinese staff (Mr. Tian Songyi, Manager Technical). The agitation was quite serious and participants blocked KKH for about eight hours. Infact, the Chinese Manager gave some serious comments to the local labor on prayer and Islam and the situation got serious and took the way towards Blasphemy.

The Project Management with the support of district administration and local leaders controlled the situation and a case was registered against Chinese Manager, who was prisoned in Jail for investigations and further actions.

- (3) During April 2023, an amount of PKR 4,210,884/- was paid as compensation payment to 07 PAPs of 04 components. A total of 08 cheques were issued by DC office during the month of April 2023.

During the data verification process carried out in April 2023, three duplicate cheques for the total amount of PKR 25,891,340/- were removed from database after cross-checking with Qabzul Wasool and the amounts were corrected.

S. No.	Components	Status by Mar 2023			Status during Apr 2023			Grand Total
		# of PAPs	# of CHQ	Amount (In Billion)	# of PAPs	# of CHQ	Amount (In Billion)	
1	All Components	7,959	11774	19.143	7	8	0.004	19.147

During the month of April 2023, a total amount of PKR 19.49 billion was paid, including PKR 19.147 billion to 7,960 PAPs through 11,782 cheques and PKR 245.240 million deposited to court for disputed cases. While PKR 27.717 million and PKR 65.598 million paid directly to FWO and PTDC respectively.

1.2 Procurement Status

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

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

Table 1.1: Procurement Status of Preparatory and Main Works Contracts

Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
1	MW-01: Main Hydraulic Structure, Spillway, Low-Level Outlets, River Diversion, and Hydraulic Steel Structures	29.12.2016	08.03.2017	23.06.2017	22-1-2023	China Ghezouba Group Company Limited (CGGC)s
2	MW-02: Under Ground Power Complex, Tunnels and Hydraulic Steel Structure	29.12.2016	08.03.2017	23.06.2017	21-2-2023	China Ghezouba Group Company Limited (CGGC)
3	EM-01: Procurement of Plant Design, Supply, Installation, Testing & Commissioning of Hydro-Mechanical and Electrical Equipment	22.10.2019	25.11.2019	20.5.2020	19-6-2025	G.E. Hydro China Co. Ltd. & Power China Zhongmei Engineering Corporation Ltd. Joint Venture (GE-PC JV)
4	KKH-01: Relocation of Karakoram Highway from KM 0+000 to 25+200	09.02.2015	16.03.2015	24.08.2015	20-2-2017	China Civil Engineering Construction Company (CCECC)
5	RAR-01: Construction of Right Bank Access Road from Komila to SEO Dam Site	09.02.2015	16.03.2015	24.08.2015	22-8-2016	China Civil Engineering Construction Company (CCECC)
6	TL-01: Procurement, Design, Supply, Installation, Testing & Commissioning of 132	03.03.2015	24.04.2015	02.11.2015	18-6-2016	Power China Corporation Company (PCCC)

Sr. No.	Contract No.	Date of Award	Date of Signing	Commencement Date	Original Completion Date	Name of Contractor
	kV Single Circuit Transmission Line and Grid Station (From Switchyard Dubair Khwar to proposed Grid Station Dasu)					
7	Resettlement of Villages Left Bank of Indus River LBRV-11	27.02.2017	20.04.2017	26.12.2018	25-12-2019	Zhongmei Engineering Group Limited
8	Resettlement of Villages Left Bank of Indus River LBRV-12	27.02.2017	20.04.2017	26.12.2018	25-12-2019	Zhongmei Engineering Group Limited
9	RAR-02: Construction of Right Bank Access Road from Dam Site to Uttar Gah	22.06.2016	18.01.2017	20.12.2021	18-5-2023	China Ghezouba Group Company Limited (CGGC)
10	KKH-02: Relocation of Karakoram Highway from KM 25+200 to 62+213	27.02.2017	25.04.2017	Commencement Letter not yet issued/ Land Issue		China Ghezouba Group Company Limited (CGGC)
11	Right Bank of Indus River RBRV-11	27.02.2017	25.04.2017	Commencement Letter not yet issued/ Land Issue		China Railway 17 th Bureau Group Co. Ltd. (CR17B)
12	PCI-01R: Project Colony & Infrastructure (Rebid)	27.08.2017	18.10.2018	20.5.2019	17-5-2021	China Gansu International Corporation for Economic and Technical Cooperation (CGICOP)
13	RV: Resettlement of Village Choochang & Construction of Shatial Museum (Re-Bid)	23.04.2019	18.06.2019	18.06.2019	15-12-2020 & 16-10-2019	Khyber Grace (Pvt.) Limited (KGL)

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

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

Table 1.2: Procurement Status of Preparatory Contracts to be Awarded

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

2 PROJECT DESCRIPTION

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

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

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

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

Table 2.1: Implementation of Vision 2025 Program

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

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

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

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

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

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

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

Table 2.2: Structural Components for Each Stage

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

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

- Relocation of KKH (62 km)
- Construction of Right Bank Access Road (81 km)
- Construction of WAPDA O & M Staff Colony

- Construction of 132 kV Transmission Line from Dubair to Dasu Town Grid Station
- Resettlement and environment mitigation measures
- Dismantling of bridges over Indus River.

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

3 CONSTRUCTION SUPERVISION CONSULTANTS ACTIVITY

3.1 Contract for the Consultancy Services

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

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

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

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

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

Five Amendments agreed up to are summarized below.

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

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

3.2 Objectives and Scope of Work

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

3.2.1 Objectives

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

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

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

3.2.2 Scope of the Services

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

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

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

3.2.3 Reports and Documents

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

Table 3.1: List of Reports and Documents to be provided

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

3.2.4 Commencement of the Services

Assignment – A

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

Assignment – B

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

3.3 Staffing Status

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

Table 3.2: Summary of the DHC Staff MMs

Members (1)	MMs as per Approved AM-4 (B) (2)	MMs Consumed up to previous month (3)	MMs Consumed during the month (4)	Accumulated MMs (5)=[3+4]
NK	1,203.37	907.70	14.71	922.41
Dolsar	520.48	382.84	7.00	389.84
Locals	9,024.66	6,116.90	103.88	6,220.78

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	26	113	248	387
Grand Total					412

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	Firm
1	Mr. Hiroshi Ogawa	Geo-Technical Engineer	14 th April 2023	NK
2	Mr. Hojjat Hosseinzadeh	RCC/ CVC Mix Expert	17 th April, 2023	Dolsar
3	Mr. Michiya Nagura	Traffic Expert Civil	22 nd April, 2023	NK

Table 3.5: Departure of DHC Expatriates from Project

Sr. No.	Name of Staff	Position/Designation	Date of Departure	Firm
1.	Mr. Yoshiaki Samejima	Chief Design Engineer (Powerhouse)	08 th April, 2023	NK
2.	Mr. Batuhan Ozdemir	Resident Engineer Road Tunnel (KKH-01 & KKH-02)	14 th April, 2023	Dolsar
3.	Mr. Selcuk Genc	Assistant Design Engineer	15 th April, 2023	Dolsar
4.	Mr. Ali Murat Ozbek	Construction Technical Advisor-3 Dam	19 th April, 2023	NK
5.	Mr. Naim Karaman	Deputy Project Manager C, QA/QC Manager	19 th April, 2023	Dolsar
6.	Mr. Juan Carlos Hernandez	Schedule and Analysis Specialist	28 th April, 2023	NK
7.	Mr. Burhan Arioiz	Transmission Line and Grid Station Specialist	28 th April, 2023	Dolsar

Table 3.6: Mobilization of DHC Local Technical Staff at Project

Sr. No.	Name of Staff	Position/Designation	Date of Joining	Firm
1.	Mr. Hamza Baig	Sr. Site Engineer Tailrace, Outlet	10 th April 2023	NDC

Table 3.7: Demobilization of DHC Local Technical Staff from Project

Sr. No.	Name of Staff	Position/Designation	Date of Demobilization	Firm
1.	Mr. Hamza Baig	Sr. Site Engineer Tailrace, Outlet	10 th April 2023	NDC

3.4 Major Activities of Construction Supervision Consultants

3.4.1 Construction Supervision

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

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

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

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

3.4.2 Procurement, Contract Administration and Measurement

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

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

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

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

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

Particular tasks completed in this month relate to:

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

- The Engineer submitted the self-explanatory letter of the Contractor regarding Purchase of Armored Vehicles for enhancement of security of expatriates to the Employer for further action. [MW-01 & MW-02]
- The Engineer instructed the Contractor to expedite the submission of the policies proposed by the insurance company before payment of premium regarding for extension of CAR and third party insurance policies. [MW-01 & MW-02]
- The Engineer responded the Contractor regarding "Report on Earthquake". [MW-01 & 02]
- The Engineer instructed the Contractor for submission of required supporting particulars 2nd Interim cost Claim for custom duties due to change in legislations. [MW-01 & MW-02]
- The Engineer instructed the Contractor to expedite the submission of ongoing correspondence with the insurance company regarding extension of CAR and third party insurance policies. [MW-01 & MW-02]
- The Engineer forwarded the "Engineer's Principle Response to Prolongation Cost Claim" to both the parties i.e. the Employer & the Contractor and asked the Contractor for submission of additional particulars. [MW-01 & MW-02]
- The Engineer responded the Contractor upon his request for issuance of variation order of power supply system for Uchar #01 Batching Plant and #01 Crushing Plant. [MW-01]
- The Engineer recorded his response regarding Time Period Related to Prolongation Claim Cost. [MW-01]
- The Engineer recorded the Clarification to the Employer regarding the Status of Aggregate Crushing and Concrete Batching Plant at Siglo Area. [MW-01]
- The Engineer asked the Contractor for the Payment of "Hire Charges for Helicopter Services". [MW-01]

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

- The Engineer recorded his 2nd reminder to the Contractor regarding Extension of Advance Payment Bank Guarantees.
- The Engineer submitted the 1st draft of bidding documents for procurement of furniture for WAPDA Project office, Colony PCI-01R, Chochang.

- The Engineer submitted the response to the Contractor's Cost Proposal against preparation of subgrade and compaction of colony roads.
 - The Engineer forwarded the Contractor's extended Advance Payment Bank Guarantees (IGT08740323918K) to the Employer that is valid upto 1st April 2024.
 - The Engineer posted his response against Contractor's Request to Release Retention Money against Bank Guarantee.
 - The Engineer posted clarification against Employer's notification on account of "Completion of Residential Buildings & Project Buildings".
 - The Engineer submitted the 2nd draft of bidding documents for procurement of furniture for WAPDA Project office, Colony PCI-01R, Chochang.
 - Engineer submitted the proposal to the Employer regarding "procurement of design supply, installation, testing and commissioning of solar power system at project colony" for review.
- c) Contract ICB No. DASU-PCI-02:**
- The Engineer addressed the comments raised by World Bank and incorporated them in revised evaluation report under subject revision-03 for "Pre-qualification of the Applicants".
- d) Contract ICB No. DASU-RAR-01:**
- The Engineer recorded the status change of the Issued Report from "Determination" to "Assessment/Evaluation" forwarded to both the parties for consultation on account of "Contractor's Interim Cost Claim (Quantification) for On-Site Management overhead cost during the Extended Time (EOT No. 1 & EOT No. 2)" and for the "Interim Claim under Disruption & Delayed Handover of land possession RAR-01 (C1/C4)".
 - The Engineer certified the Interim payment Certificate IPC No.34.
 - The Engineer recorded the comprehensive clarification to the Employer regarding Interim payment Certificate IPC No.34A & IPC No.34B.
 - The Engineer replied to the queries raised by CCC WAPDA and GM C&M WAPDA regarding Engineer's Assessment of Contractor's Interim Cost Claim (Quantification) for On-Site Management overhead cost during the Extended Time (EOT No. 1 & EOT No. 2).
 - The Engineer recorded his meaningful response to the Contractor's contention on Imposition of New Super Tax 4C and registered his claim under title "Apri-2023 - Imposition of New Super Tax 4C" and assigned a unique Contract No. "RAR-01/C-20".
 - The Engineer replied to the Employer's Comment regarding Engineer's Assessment of Contractor's Interim Cost Claim (Quantification) for On-Site Management overhead cost during the Extended Time (EOT No. 1 & EOT No. 2).
- e) Contract ICB No. DASU-RAR-02:**
- The Engineer recorded his final reminder to the Contractor regarding Extension of Advance Payment Bank Guarantees upon continuous failure to comply with his Contractual Obligation in this regard.
 - The Engineer asked the Contractor for submission of additional particulars required for claim arose on account of delayed commissioning - Extended Bank Guarantees.
 - The Engineer recorded his response to the Contractor on "Selection of Sole Member for Dispute Board".
- f) Contract ICB No. TL-01**
- The Project Manager forwarded the Contractor's comments for perusal of the Employer regarding Extension of Advance Payment Bank Guarantees.
 - The Project Manager asked the Contractor for submission of additional particulars duly required for evaluation of claim – compensation due to usage of land owner's labor.
 - The Project Manager certified the Interim payment Certificate IPC No.67.
 - The Project Manager issued the Mom regarding Contractor's Cost claim – compensation due to usage of land owner's labor.
 - The Project Manager replied to the queries raised by CCC WAPDA and GM C&M WAPDA regarding Project Manager's Assessment of price adjustment for Market inflation.
- g) Contract ICB No. EM-01**
- The Project Manager recorded his meaningful response to the Contractor's submittal against "Estimated budget of facilities for police & security forces at EM-01 Camp".

- The Project Manager extended the proposed time frame for Contractor's final claim submission till 31st May 2023 arose on account of "Delay in Generation of Financial Instrument (FI) Number of 1st Shipment" for Claim No. EM-01/C-07.
- The Project Manager submitted his "Analysis of different options for Contract Price Adjustment" to the Employer for further action.
- The Project Manager again reminded the Employer about the Contractor's comments to the Employer to seek his clarification regarding Employer's Agreement with local landowners under Claim No. EM-01/C-05 arose due to "ROW issue at EM-01 site Camp".
- The Project Manager again reminded the Contractor's comments to the Employer to seek his clarification regarding Employer's Agreement with local landowners under Claim No. EM-01/C-05 arose due to "ROW issue at EM-01 site Camp".
- The Project Manager recorded his observations to the Contractor's submittal against "Contractor's proposal of addition of suppliers to the agreed Schedule".
- The PM submitted the Employer's recommendation for 3rd Member for constitution of Dispute Board (DB) to the Contractor, following the nomination of 2xNo of DB Member.
- The Project Manager registered the Contractor's claim arose on account of "Delay in Generation of Financial Instrument (FI) Number of Shipment No. 2" and assigned a Unique Claim No. "EM-01/C-09".
- The Project Manager registered the Contractor's claim arose on account of "Temporary Storage Cost at Ghazi Brotha" and assigned a Unique Claim No. "EM-01/C-08".
- The PM made an additional submission to illustrate more suitable options for "Analysis of different options for Contract Price Adjustment" to the Employer for further action.

h) Contract ICB No. KKH-01

- The Engineer issued the certified copy of variation order no. KKH-01/VO-009 under title "Relocation of existing water supply in Uchar Area".
- The Engineer certified the Interim payment Certificate IPC No.31.
- The Engineer responded to extend his Bank Guarantees upto 30th June 2024 upon Contractor's request for Extension of Advance Payment Bank Guarantees against VO-05 and addressed the Employer to issue the requested letter for said purpose.
- The Engineer re-instructed the Contractor to submit additional supporting particulars to illustrate the Quantities and Cost for Backfilling of Uchar Camp.
- The Engineer recorded his meaningful response to the Contractor's contention on Imposition of New Super Tax 4C and registered his claim under title "Apri-2023 - Imposition of New Super Tax 4C" and assigned a unique Contract No. "KKH-01/C-30".
- The Engineer recorded his response to the Contractor's contention on Inundation of KKH and registered his claim and assigned a unique Contract No. "KKH-01/C-26A – April 2023".

i) Contract ICB No. KKH-02

- The Engineer responded to the Contractor's submittal of Translated documents of the Extended Guarantees and submitted his comments indicating various deficiencies and asked for submission of additional particulars.
- The Engineer responded to the Contractor's submittal of Cost Claim KKH-02/C-01, EOT and Cost Due to Delayed Land Handover and submitted his comments.
- The Engineer recorded his response to the Contractor on "Selection of Sole Member for Dispute Board".
- The Engineer negated the contractor's plea for disruption caused by the Uchar Bridge by the Contractor and addressed the consideration of temporary causeway.
- The Engineer negated the Contractor's plea for disruption caused by the road closure during Ramadan.
- The Engineer Certified the Interim payment certificate IPC No.06.
- The Engineer served explanation to the Contractor's contention for payment of accommodation utilized by security personals.

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

- The Engineer Certified the Interim payment certificate IPC No.13 [LBRV-11].
- The Engineer responded to the Contractor's false statement regarding "Notice to Correct, Defective and Incomplete works at site" and highlighted various contractual non-compliances at his end. [LBRV-12]

k) Contract ICB No. DASU RV

- The Project Manager re-instructed the Contractor to extend the performance security up to 30th September 2023, as per the Contractual requirement.
- The Project Manager Certified the Interim payment certificate IPC No.14.
- The Project Manager acknowledged and registered the Contractor's claim due to Change in rate of Sales Tax from 17% to 18% under title "Apri/2023- Change in rate of Sales Tax from 17% to 18%" and assigned a unique Contract No. r "RV/C-08".

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

The major DHC activities undertaken during this month:

A) KKH-01 Team

1) Major Activities

- Engineer reminded the Contractor to raise the level of Uchar camp and plant area and protection works of the same before the peak flow of Indus River.
- Contrator has requested to stop the continuous interruption from local people at zero point and Enginer has forwarded the request to the Employer to take the action.
- Contractor has reported the inundation in Uchar nullah due to rainfall on 18th April 2023.

2) Working / Shop Drawings

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
21-Mar-23	CCECC/DASU-KKH-01/S.TANK/RFA/245	submission of work done cross sections for IPC-31 at K1+406.25 to K1+950.00 on KKH-01	22-Mar-23	Approved as Noted
21-Mar-23	CCECC/DASU-KKH-01/K11-Tunnel/ RFA/001R	Submission of Revised Method Statement of LOGRO-B Tunnel for Your Review and Approval Please.	09-Apr-23	Approved as Noted
21-Mar-23	CCECC/DASU-KKH-01/K4-Tunnel/ RFA/001R	Submission of Revised Method Statement of K4 Tunnel for Your Review and Approval Please.	09-Apr-23	Approved as Noted
30-Mar-23	CCECC/DASU-KKH-01/Barseen Bridge MS/RFA/003R	Submission of Method statement and shop drawings for piling and abutments work of approaching bridges at Barseen Bridge area.	12-Apr-23	Approved
01-Apr-23	CCECC/DASU-KKH-01/IPC-32-X-Section/RFA/246	Submission of work done Cross Section for IPC 32 of Khushee Access Road K0+900.00 to K1+387.50 (KKH-01)	06-Apr-23	Approved as Noted
01-Apr-23	CCECC/DASU-KKH-01/Access Road/RFDA/241	Submission of shop Drawing for the retaining wall at K0+965.625 to K0+981.25 on KKH-01	03-Apr-23	Approved as Noted
05-Apr-23	CCECC/DASU-KKH-01/Uchar A T5/RFDA/001	submission of Shop Drawings of Uchar-A Tunnel Entrance portal (K12+300-K12+305)	12-Apr-23	Approved
07-Apr-23	CCECC/DASU-KKH-01/Access Road/RFDA/242	Submission of shop Drawing for the retaining wall at K0+915.625 - K0+934.375 on Khushee Access Road (KKH-01)	14-Apr-23	Approved as Noted
13-Apr-23	CCECC/DASU-KKH-01/X-Section/RFA/247	Resubmission of Detail X Section at K3+300.00 to K3+593.75 on KKH-01		Under review
14-Apr-23	CCECC/DASU-KKH-01/Logro-B/RFDA/001	Submission of Shop Drawings for Logro-B Tunnel (K11+570-K11+880)	28-Apr-23	Approvoed Excepted as Noted
15-Apr-23	CCECC/DASU-KKH-01/UCHAR BRIDGE/RFA/004	Submission of Method Statement for excavation and Protection work of slope at Uchar Bridge (Pier # 1 and Pier # 2)	01-MAY-23	Approved

B) KKH-02

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

1) Major Activities

- Excavation works at K24, K26, K31 and K34, K36, K40, K42 & K46 access roads have been completed and Contractor is carrying out the excavation works of main KKH-02 alignment.
- Area for temporary spoil dumps and temporary facilities at Looter has been identified and handed over to the Contractor.
- Request for removal of houses inside and below the KKH-02 has been forwarded to Employer.
- Geotechnical investigation for tunnels and bridges is in progress.

2) Major Design Activities

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

C) RAR-01 Team

1) Major Activities

- Joint inspection with RE & Employer to Komila bypass for social issues i.e Land Sliding and one house near ROW K0+400.
- Site inspection for B/wall areas at Komila bypass & rip rap protection works.
- Joint site inspection for slope cutting from catch point at Komila bypass.

- Joint site visit to RAR-01 for remaining works i.e punch list items & Local access at K11+700.
- Letter issued to Employer regarding illegal stoppage by local at K1+800 Komila bypass dated April 01, 2023.
- Letter issued to Contractor regarding removal of dumped material from private land at K0+500 area dated April 26, 2023.

2) Working / Shop Drawings

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
02-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/96	Submission of Revised X-Section from K1+900 to K1+981.25	4/4/2023	Approved as Noted
05-Apr-23	CCECC/DASU-RAR-01/RFDA/58	Submission of Concrete pavement X-Section from K7+518.75- K7+568.75	13/04/2023	Approved
05-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/97	Submission of Komila By pass Retaining wall Stone Masonry Work Done X-Section (1) K0+106.25 to K0+200.00	10/04/2023	Approved as Noted
06-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/98	Submission of Komila By pass Retaining wall Stone Masonry Work Done X-Section (1) K0+781.25 to K0+800.00 2) K0+812.50 To K0+825.00	13/04/2023	Approved
06-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/99	Submission of Komila By pass Retaining wall Structure Excavation Work done X-Section (1) K0+781.25 to K0+800.0 (2) K0+812.50 to K0+825.00	10/04/2023	Approved as Noted
06-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/100	Submission of Komila By pass Retaining wall Stone Masonry Work Done X-Section (1) K0+928.48 to K0+939.00	13/04/2023	Approved
06-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/101	Submission of Komila By pass Retaining wall Structure Excavation Work done X-Section (1) K0+928.48 to K0+939.00	10/04/2023	Approved as Noted
07-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/102	Submission of komila bypass Breast wall Stone Masonry Work done X-Section (1) K0+626.25 to K0+889.00	10/04/2023	Approved as Noted
07-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/103	Submission of Komila By pass Retaining wall Stone Masonry Work done X-Section (1) K1+261.68 to K1+289.42	13/04/2023	Approved
07-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/104	Submission of Komila By pass Retaining wall Structure Excavation Work done X-Section (1) K1+261.68 To K1+289.42	10/04/2023	Approved as Noted
07-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/105	Submission of Komila By pass Retaining wall Stone Masonry Work done X-Section (1) K1+289.42 to K1+306.25	10/04/2023	Approved as Noted
07-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/106	Submission of Komila By pass Retaining wall Structure Excavation Work done X-Section (1) K1+289.42 to K1+306.25	10/04/2023	Approved as Noted
08-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/107	Submission of Komila By pass Retaining wall Stone Masonry work done X-Section.(1) K1+306.25 to K1+318.75	10/04/2023	Approved as Noted
08-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/108	Submission of Komila By pass Retaining wall Structure Excavation Work done X-Section (1) K1+306.25 to K1+318.75	10/04/2023	Approved as Noted
08-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/109	Submission of Revised X-Section from K0+375.00 to K0+400.00	10/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/110	Submission of Komila bypass Retaining wall stone masonry work done X-section (1) K0+093.75 to K0+106.25	13/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/111	Submission of Komila bypass Retaining wall Structure Excavation work done X-Section 1) K0+093.75 to K0+106.25	13/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/112	Submission of Komila bypass Retaining wall stone masonry work done X-section (1) K1+004.36 to K1+034.31	13/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/113	Submission of Komila bypass Retaining wall Structure Excavation work done X-Section 1) K1+004.36 to K1+034.31	13/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/114	Submission of Komila bypass Retaining wall stone masonry work done X-section (1) K1+753.04 to K1+764.10	13/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/115	Submission of Komila bypass Retaining wall Structure Excavation work done X-Section 1) K1+753.04 to K1+764.10	13/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/116	Submission of Komila bypass Retaining wall stone masonry work done X-section (1) K1+800.00 To K1+862.50	13/04/2023	Approved
10-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/117	Submission of Komila bypass Retaining wall Structure Excavation work done X-Section 1) K1+800.00 To K1+862.50	13/04/2023	Approved
11-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/118	submission of stone masonry protection wall for causeway UP atream along with plan and cross sections from K1+318.75 to K1+356.25	13/04/2023	Approved
12-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/84R1	Resubmission of komila bypass Retaining wall stone masonry work done X-section	18/4/2023	Approved as Noted
12-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/119	submission of breast wall stone masonry work done at K0+000 area along with plan and X-section	18/4/2023	Returned
12-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/120	submission of breast wall structure Excavation work done at K0+000 area along with plan and X- section	27/4/2023	Approved as Noted
13-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/121	Submission of breast wall A1 Concrete and Completed BBS work Done Section. 1.K0+006.25 to K0+043.75	27/4/2023	Approved as Noted
13-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/122	Submission of Stone Masonry Rip Rap and toe Protection Wall Work Done Section. K1+318.75 To K1+356.25	18/4/2023	Approved as Noted
14-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/124	Submission of Breast wall Structure Excavation work done Section.1. K0+043.75 to K0+062.50 2.K0+393.75 to K0+500.00	27/4/2023	Approved as Noted
14-Apr-23	CCECC/DASU-RAR-01/Komila bypass/RFDA/123	Submission of Stone Masonry Breast wall work done Section 1. K0+043.75 to K0+062.50 2. K0+393.75 to K0+500.00	17/4/2023	Approved as Noted

D) RAR-02 Team

1) Major Activities

- Checking blasting pattern submitted by the Contractor.
- Meeting and site visit with the Contractor for Kandia working face.
- Checking of Contractor's drawings for cable way at largani.

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

2) Major Design Activities

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

3.4.4 TL Section

Major DHC activities undertaken during this month are:

1) Correspondence:

- Prepared the letter regarding nomination of inspector for joint inspection and acceptance for Goods of 1st shipment at Ghazi Barotha Warehouse.
- Prepared the letter regarding RoW issue on T-141 to T-143.
- Prepared the letter regarding Demobilization of Stringing team.
- Prepared the letter regarding Pending Procurement.
- Prepared the letter regarding request for information about the provision of PTCL Connectivity for Project Colony.
- Prepared the letter regarding installation of HT and LT lattice steel structure and external electrification work of Project Colony.
- Prepared the letter regarding submission of Variation Order # 48 for supply & installation of additional Distribution Board at first floors of residence Category-3 buildings.

2) Meetings:

- Meeting regarding overall progress of TL-01 with World Bank Advisor held on 26th April, 2023.
- Weekly Progress Review meeting with Contractor and Employer held on 10th April, 2023.

3) Inspections:

- Inspection for the Goods of 1st shipment at Ghazi Barotha Warehouse.

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

The major DHC activities undertaken during this month are:

a) MW-01

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

i. Review of Contractor's Drawings and Method Statement

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

Contractor's Drawings

Received Date	Letter Number	Title	Reply Date
27-Mar-23	CGGC/MW-01/RFDA/DHC-524	Blasting Design of Diversion Tunnel, A outlet River Channel Excavation-(D3)	7-Apr-2023
27-Mar-23	CGGC/MW-01/RFDA/DHC-526	Design Drawings of Sedimentation tank of 1 # Crushing Plant-(D1)	12-Apr-2023
27-Mar-23	CGGC/MW-01/RFDA/DHC-527	Design Drawings of Sedimentation tank of 1 # Batching Plant-(D1)	12-Apr-2023
1-Apr-23	CGGC/MW-01/RFDA/DHC-528	Junction of Gate Chamber Access Tunnel&LB Traffic Diversion Tunnel Excavations & Supporting-(D1)	16-Apr-2023
8-Apr-23	CGGC/MW-01/RFDA/DHC-529	Design Drawings of Added Sedimentation Tank of 1 # Crushing Plant-(D1)	12-Apr-2023
10-Apr-23	CGGC/MW-01/RFDA/DHC-531	Blasting Plan of Diversion Tunnel A Outlet-(D4)	11-Apr-2023
11-Apr-23	CGGC/MW-01/RFDA/DHC-530	Layout Plan of cable Crane Construction Road-(D1)	
12-Apr-23	CGGC/MW-01/RFDA/DHC-532	Blasting Plan of Diversion Tunnel A Outlet-(D5)	12-Apr-2023
18-Apr-23	CGGC/MW-01/RFDA/DHC-535	Blasting Design of Second Bench of Right Bank Diversion Tunnel-(D2)	18-Apr-2023
19-Apr-23	CGGC/MW-01/RFDA/DHC-533	Reinforcement Drawings of Diversion Tunnel Inlet Hoist Beam-(D1)	
19-Apr-23	CGGC/MW-01/RFDA/DHC-534	Diversion Tunnel B Inlet above EL. 802m Concrete Outline-(D1)	

Method Statement

Received Date	Letter Number	Title	Reply Date
01-Apr-2023	CGGC/MW01/TD/DHC-2943	Submission MS of Excavation & Supporting of Right & Left Banks Cable crane platforms	
21-Apr-2023	CGGC/MW01/TD/DHC-2974	Submission of MS of Excavation of Debris at Siglo Nullah Outlet	

ii. NCR and Engineer's Instruction

NCR

NCR Issued Date	NCR No.	Title	Remarks
30-Mar-2023	MW-01-NCR-44	No illumination inside Right Bank Bypass Tunnel	
30-Mar-2023	MW-01-NCR-45	Improper installation of Rock Bolt Right Bank Bypass Tunnel	
07-Apr-2023	MW-01-NCR-46	Weep holes for Inlet Lining protection DTA	
07-Apr-2023	MW-01-NCR-47	Blasting pattern/excavation sequence for removal of inlet and outlet dykes DTA	

10-Apr-2023	MW-01-NCR-48	Shortage of thickness at concreting works at Starter Dam	
10-Apr-2023	MW-01-NCR-49	Expired concrete mixed with mortar & placed upon cold joint at 1-1 block #7 Upstream starter dam	

Engineer's Instruction

El Issued Date	El No.	Title	Remarks
28-Mar-2023	DHC/Dasu/MW-01/El/23-020	Failure to monitor air quality after blasting and unavailability of ventilation system in Right Bank bypass tunnel	
30-Mar-2023	DHC/Dasu/MW-01/El/23-021	Inappropriate concrete pouring on starter dam(iii-3) block-5	
03-Apr-2023	DHC/Dasu/MW-01/El/23-022	Lack of treatment of water seepage in Right Bank Bypass Tunnel	
12-Apr-2023	DHC/Dasu/MW-01/El/23-023	As built Drawings for Starter Dam	

b) MW-02

1) General

- The Contractor was instructed to apply the shotcrete over the entire exposed excavation area surfaces to assure the safe working environment and should secure the structure integrity of subject tunnel.
- The Contractor was directed to address any incorrectly installed rock bolts and should ensure that they are properly tightened.
- The Contractor was requested to improve the execution of support work.
- The Employer was requested to inform Deputy Commissioner Dasu Office Kohistan to issue the explosive transportation license (Form EL-07) in favor of MS CGGC for the completion of MW-02 works.
- The Engineer approved the said manufacturing plan for penstock.
- The Engineer conditionally approved the Method Statement for Intake Structure above EL.961.6 Excavation and support (D3)

2) Review of Contractor's Working Drawings

The Engineer reviewed and replied of the following drawings.

Letter Nos.	Title	EAC No.	Reply Date
CGGC/MW-02/RFDA/DHC-463	Blasting Design of Underground Powerhouse Third Bench Pre-Splitting (D2)	EAC-23-024	02-Apr-23
CGGC/MW-02/RFDA/DHC-465	Switchyard Compound Structure Detail Drain Ditch Concrete Outline Drawing (D1)	EAC-23-022	01-Apr-23
CGGC/MW-02/RFDA/DHC-466	Tailrace Tunnel No.1 Excavation and Supporting (D6)	EAC-23-023	02-Apr-23
CGGC/MW-02/RFDA/DHC-467	Tailrace Tunnel No.2 Excavation and Supporting (D6)	EAC-23-026	06-Apr-23
CGGC/MW-02/RFDA/DHC-468	Blasting Design Drawing for Intake Structure above EL.961.6 (D2)	EAC-23-025	05-Apr-23
CGGC/MW-02/RFDA/DHC-469	Blasting Design of the First Bench of Manifold Tunnel C Area	EAC-23-027	09-Apr-23
CGGC/MW-02/RFDA/DHC-470	Switchyard compound structure detail drain ditch concrete reinforcement drawings (D1)	EAC-23-028	10-Apr-23
CGGC/MW-02/RFDA/DHC-471	Blasting Design of the First Bench of 2# Lower Pressure and Manifold Tunnel an Area	EAC-23-029	11-Apr-23
CGGC/MW-02/RFDA/DHC-472	Details of Protective Retaining Wall at the Power Intake (D1)	EAC-23-031	13-Apr-23
CGGC/MW-02/RFDA/DHC-473	Blasting Design of Transformer (GIS) Cavern Third Bench Pre-Splitting (D2)	EAC-23-033	14-Apr-23
CGGC/MW-02/RFDA/DHC-474	Blasting Design of Underground Powerhouse and Third Bench Pre-Splitting (D3)	EAC-23-034	14-Apr-23
CGGC/MW-02/RFDA/DHC-475	Blasting Design of Access below Surge Chamber Shaft (D1)	EAC-23-032	13-Apr-23
CGGC/MW-02/RFDA/DHC-476	Powerhouse and Transformer Cavern Anchor Head Used for Hanging Steel Roof (D1)	EAC-23-030	12-Apr-23
CGGC/MW-02/RFDA/DHC-478	Support and Access Tunnel Below Surge Chamber Shaft	EAC-23-036	26-Apr-23
CGGC/MW-02/RFDA/DHC-477	Blast Design of Access below Surge Chamber Shaft - D2	EAC-23-035	26-Apr-23

3) Issued Engineer Instruction

The Engineer issued the following Site Instructions (SIs).

Location	Subject	El No.	Issue Date
Underground Works	Underground Excavation and Support works Joint inspection of Change in Support Pattern	El-23-011	02-04-2023
Tailrace Tunnel #2	Tailrace Tunnel No. 1 & 2 Transition Excavation and Support Increasing the Rock Dowels Length from 4.0 m to 6.0 m to Enhance the Stability of Transition Area	El-23-012	08-04-2023
Powerhouse Cavern & Transformer Cavern	Underground Powerhouse & Transformer Cavern Crown Un-necessary Drill holes Backfill by Approved Mortar / Dry Pack	El-23-13	15-04-2023

4) Daywork Order in the month of March 2023.

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

5) NCR Issued by Engineer

The Engineer issued the following NCR.

Location	Subject	NCR No.	Issue Date
Nil	Nil	Nil	Nil

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

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

a) LBRV-11

- The Engineer reviewed and verified Interim Payment Certificate No. 13 dated 12th April 2023.

b) LBRV-12

- The Engineer issued letter to the contractor regarding the GC Sub-Clause 15.1 Notice to Correct Defective and Incomplete Work dated 19th April 2023.

c) RV

- The Engineer issued response letter regarding VO-007 - Varied Works of Pumping Sewage for Project Colony dated 8th April 2023.
- The Engineer issued letter regarding the Varied Works of Water Transmission Line for RV Sites Nasirabad (1&2) dated 10th April 2023.
- The Engineer verified Interim Payment Certificate No. 14 dated 12th April 2023.
- The Engineer issued letter regarding Varied Works of Water Transmission Line for RV Sites Khoshe 1 & 2 dated 18th April 2023.
- The Engineer issued response letter regarding Notice of Claim -Increase In Rate of Sales Tax from 17% To 18% dated 26th April 2023.

d) Project Colony – PCI-01R

- The Engineer issued letter to the contractor regarding the Security Administrative issue Related to Camps dated 3rd April 2023.
- The Engineer issued letter regarding the Closure of Operation and Maintenance (O&M) of Basic Health Unit (BHU) dated 3rd April 2023.
- The Engineer requested the Employer to provide the Information about the Provision of PTCL Connectivity dated 1st April 2023.
- The Engineer Submitted the 1st Draft of Bidding Document for Procurement of Furniture for WAPDA Project Office dated 3rd April 2023.
- The Engineer verified the Interim Payment Certificate No.39 dated 4th April 2023.
- The Engineer informed the contractor regarding the Withdrawal of Instruction to close out the Operation and Maintenance (O&M) of Basic Health Unit (BHU) dated 4th April 2023.
- The Engineer issued Reply letter to the Notice for Delay Due to Frequent Changes in Design for Under Progress Works at Residence Category-2 dated 5th April 2023.
- The Engineer issued response letter regarding Preparation of Subgrade & Compaction for Colony Roads dated 5th April 2023.
- The Engineer instructed the contractor to provide Skirting all Around External Walls of the Residences Building dated 6th April 2023.
- The Engineer issued letter to the Employer regarding the Stoppage of Construction Work Due to Local Houses at Part-7 Chainage (0+000 to 0+96.385) of Colony Boundary Wall dated 6th April 2023.
- The Engineer issued Response letter to Notice for Delay in Issuance of Change in Design of Central Canopy of Community Center Building dated 7th April 2023.
- The Engineer issued Reply letter for the Clarification of the MS Privacy Fence Railing at First Floor Backside Open Terrace of Residence Category-1 Buildings dated 6th April 2023.
- The Engineer issued letter regarding the Installation of Doors at Emergency Entrances of WAPDA Project Office Building dated 6th April 2023.
- The Engineer issued Construction Drawing of Drainage System of Hostel Category 2A 2B and 3 dated 7th April 2023.
- The Engineer requested the Employer to provide consultation regarding the Revised Contract Programme for 2d Extension of Time (EoT-2) Claim dated 8th April 2023.
- The Engineer issued letter to the Employer regarding the Contractor's Submission of Extended Advance Payment Guarantee - Extended up to 01-04-2024 dated 7th April 2023.
- The Engineer issued letter regarding the Completion of Residential Buildings and Project Office for Shifting of WAPDA and Consultant Staff dated 8th April 2023.
- The Engineer reviewed and issued response letter regarding the External Water Supply for Resettlement Village Uchar-1 dated 8th April 2023.
- The Engineer issued response letter regarding the Contractor's Request to Release Retention Money against Bank Guarantee dated 8th April 2023.
- The Engineer issued Construction Drawings of Water Supply Conveyance for RV Site Uchar-1 dated 11th April 2023.
- The Engineer reviewed and issued response letter regarding the contractor, s request for replacing uPVC with HDPE Water Supply Pipes in Project Colony dated 12th April 2023.

- The Engineer issued letter to the Employer regarding the Installation of Security Cameras Surveillance System dated 12th April 2023.
- The Engineer submitted 2nd Draft of Bidding Documents for Procurement of Furniture dated 12th April 2023.
- The Engineer issued letter to the Employer regarding the Completion of Residential Buildings & Project Buildings dated 11th April 2023.
- The Engineer issued Walk through Environmental Inspection Reports dt: 13th Apr 23.
- The Engineer issued reminder letter regarding the Washing of Concrete Transit Mixer in Chochang Nullah dated 13th April 2023.
- The Engineer requested the Employer to provide the consultation regarding the Procurement of Design Supply, Installation, Testing and Commissioning of Solar Power System at Project Colony dated 12th April 2023.
- The Engineer issued response letter regarding Construction of Security Office and Telephone Exchange Buildings dated 14th April 2023.
- The Engineer issued letter to Clarification of MS Privacy Fence Railing at First Floor Backside Open Terrace of the Residence Category-1 dated 15th April 2023.
- The Engineer issued letter regarding Withdrawal of Instruction for Installation of G.I.Ladders dated 16th April 2023.
- The Engineer instructed Contractor to Submit Resource Loaded Schedule dt: 18th Apr 2023.
- The Engineer issued letter regarding the MS Privacy Railing at First Floor Backside of Res Cat-1 dated 19th April 2023.
- The Engineer issued Response letter to the Contractors Query for Design of Emergency Entrance Door and to the Notices dated 19th April 2023.
- The Engineer issued Response letter to Queries about Drainage System around Community Center Building dated 19th April 2023.
- The Engineer issued Response letter to Notices, Design of Internal Roads and Slope in Drive Way Area of Residence Category-1&2 buildings dated 19th April 2023.
- The Engineer issued letter regarding the Residence Category-2 Construction Work Progress dated 26th April 2023.
- The Engineer issued letter regarding the Installation of HT and LT Lattice Steel Structure and External Electrification Work dated 28th April 2023.
- The Engineer reviewed and issued response letter to the Submission of Variation Order # 48 for Supply & Installation of additional Distribution Board (Cat-3 Building) dt: 28th Apr 2023.

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
31-Mar	CGICOP/DASU/PCI-01R/RFDA/697	Submission of the shop Drawing for the Project colony boundary wall part 4 in front of the hostel Cat 2C & 2D	11-Apr	Approved Except As Notes
5-Apr	CGICOP/DASU/PCI-01R/RFDA/699	Submission of the shop Drawing for the structural & architectural building of the security watch tower building	10- April	Approved Except As Notes
6-Apr	CGICOP/DASU/PCI-01R/RFDA/698	Submission of the bar bending schedule for footing of spiral stair Cat 2 51 House	15- April	Approved
8-Apr	CGICOP/DASU/PCI-01R/RFDA/674-Rev.01	Submission of the shop Drawing for the layout of revise Rain water Drainage system for Cat 2	9- April	Approved
8-Apr	CGICOP/DASU/PCI-01R/RFDA/700	Submission of the bar bending for the schedule for box culvert	15- April	Approved
9-Apr	CGICOP/DASU/PCI-01R/RFDA/701	Submission of the shop drawing for the structural Reinforcement detail of he project colony Boundary wall Part 8	11- April	Approved
9-Apr	CGICOP/DASU/PCI-01R/RFDA/702	submission of the shop drawing for the bar bending schedule for the main water supply system for Uchar Site 01	15- April	Approved
12-Apr	CGICOP/DASU/PCI-01R/RFDA/703	Submission of the shop drawing for the structural for the reinforcement detail of the project colony boundary wall part 2	14- April	Approved
12-Apr	CGICOP/DASU/PCI-01R/RFDA/650-Rev.02	Submission of the shop Drawing for the typical road cross sectional detail of the project colony	13- April	Approved
12-Apr	CGICOP/DASU/PCI-01R/RFDA/704	Submission of the shop Drawing for the structural reinforcement detail of the project colony boundary wall part 7	14-April	Approved
15-Apr	CGICOP/DASU/PCI-01R/RFDA/705	Submission of the shop Drawing for the structural reinforcement detail of the project colony boundary wall part 5 additional area	15- April	Approved
17-Apr	CGICOP/DASU/PCI-01R/RFDA/663-Rev.01	Submission of the shop Drawing for the S1a Road Level Slope change toward transport pool area in order to avoid ramp slope for main entrance of the transport pool area	3-May	Approved Except As Notes
17-Apr	CGICOP/DASU/PCI-01R/RFDA/706	Submission of the shop drawing for the structural reinforcement detail of the project colony boundary wall part 4	18- April	Approved
17-Apr	CGICOP/DASU/PCI-01R/RFDA/303-Rev.05	Submission of the shop drawing for the water supply system P1 Road main water supply line for Res Cat 3 & 4	30- April	Approved Except as noted

3.4.7 EM-01 – Civil Works

The major activities undertaken during this month were:

1. General

- The Engineer issued Construction Drawings of Buildings No. 2.1, 2.2, 2.5, 3.2, 3.2.2, 3.4, 4.3 4.3.2, at EM-01 Camp Kass.
- The Contractor was instructed to revise the process and SOPs and OHSMP based on the attached comments of the Engineer on the second draft and to resubmit within a 2-weeks' time frame for final review and approval.
- The Contractor was directed to rectify the observations and submit the rectified report (Environmental) with supporting evidence of the rectifications before April 13, 2023.
- The Contractor was reminded to submit the rectification reports with supporting evidence of the rectifications before April 17, 2023. Failure to comply with the said response may result in the issuance of Non-Conformance Report (NCR).

2. Review of Contractor's Working Drawings

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

Location	Subject	Dwg No.	Issue Date
KASS CAMP EM-01	Drawings of Buildings No. 2.1, 2.2, 2.5, 3.2, 3.2.2, 3.4, 4.3 4.3.2.	DHC/DASU/GEPC/EM-01/ys/23- 108	Apr.05.2023
KASS CAMP EM-01	Construction Drawings of Buildings no. 4.1, 4.2.	DHC/DASU/GEPC/EM-01/ys/23- 118	Apr.14.2023

3. Issued Engineer Instruction

The Engineer was issued the Site Instructions (SIs).

Location	Subject	SIs No.	Issue Date
KASS CAMP EM-01	Provision of an additional 0.6-meter Platform projection for the Watch Tower	EI/23-002	31-03-2023

4. NCR Issued by Engineer

The Engineer was not issued the NCR.

Location	Subject	NCR No.	Issue Date
Nil	Nil	Nil	Nil

5. Electro-Mechanical Works

In April, the major topics of the working items are focused on the claim for Contract price adjustment, claim for delay in generation of financial instrument, claim for row issue at EM-01 camp, approval of generator foundation drawings, approval of powerhouse cavern equipment arrangement and storage for first shipped equipment at Ghazi Barotha Hydropower station after custom clearance issue at Karachi.

5.1. Custom clearance issue

Custom clearance of the first shipment for # 3 draft tube alongwith its embedded materials has been processed and storage of first shipment for #3 at Ghazi Barotha Hydropower station has been carriedout. However, the custom clearence of second shipment #2 draft tube is still not processed at Karachi port.

5.2. Coordination with NTDC on 765kV Transmission Line Protection

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

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

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

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

On requests of Contractor for addition of manufacturers for Spiral case, Staying, Auto silt monitoring system and Generator stator core, the Project Manager has instructed the

Contractor to submit the supplementary record such as a comparison of company profile and technical data of subject equipment/ material and the comparison of technical requirements given in the Contract for Employer's approval.

However, the Contractor has submitted the requisite documents for approval and Project Manager has reviewed it and forwarded it to Employer for approval on April 04, 2023.

5.5. Corresponding between EM-01 Contractor

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

Received Date	Letter/Reference Number	Title	Reply Date	Remarks
30-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0101	Proposed Time for Submission of Final Claim- Delay in Generation of Financial Instrument (FI) Number of 1st Shipment	01-April-23	
31-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0097	Nomination of Inspector for the Joint Inspection and IAcceptance for the Goods of 1st Shipment at Ghazi Barotha Warehouse.	03-April-23	
08-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0056	Project Managers Analysis of Different Options for Contract Price Adjustment.	03-April-23	
02-Mar-22	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0063	Dasu Generator Control Device Installation.	03-April-23	
17-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0048	Clarification on Employers Agreement with local and Owners- Claim No.EM-01-C-05-ROW Issue at Site Camp.	04-April-23	
01-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0104	Contractors Proposal of Addition of Suppliers to the Agreed Schedule T-4.	04-April-23	
28-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0096	Construction Drawings of Buildings No.2.1,2.2,2.3,2.5,3.2,3.2.2,3.3,4.3,4.3.2 Camp Kass.	05-April-23	
17-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0073	Comments on 2nd Draft of EM-01 OHSMP.	05-April-23	
21-Mar-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0091	Dasu Revised Powerhouse Cavern Equipment Arrangement (Rev. C).	05-April-23	
22-Feb-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0050	Employers Witness Schedule for FAT on Unit 4 Staying.	12-April-23	
11-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0115	Constitution of Dispute Board (DB).	12-April-23	
10-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0112	Dasu Generator Load on Foundation for Approval.	12-April-23	
11-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0116	Claim EM-01 C-09- Delay in Generation of FI Number of Shipment No.2.	13-April-23	
07-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0107	Construction Drawings of Watch Tower Platform at EM-01 Camp, Kass.	14-April-23	
07-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0108	Construction Drawings of Buildings no. 4.1, 4.2 at EM-01 Camp, Kass.	14-April-23	
12-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0117	Claim EM-01 C-08- Temporary Storage Cost at Ghazi Barotha.	15-April-23	
12-Apr-23	Dasu-EM-01-LET-JV-WAPDA/DHC-2023-0110	Project Managers Analysis of Different Options for Contract Price Adjustment.	18-April-23	

3.4.8 Environment Management Section

1. Overall activities

i) Meetings with Contractors

Monthly meeting for month of May was conducted on 09th & 10th of May 2023. "The Engineer" instructions were discussed in detail and new points regarding non-compliances were added to the Minutes of meeting and WTEIR implementation was also discussed in detail.

ii) Meeting with WAPDA/Contractors/Third Party Lab

- Meeting with Mr. Noman Dy Director Land Acquisition & Mr. Imran Tariq Dy Director WAPDA for a newly identified location in Barseen which is already acquired having a total area of 37 kanal and 3 marla. Onward of the Site was also conducted by Mr. Noman D.D L.A WAPDA, DHC Environment, Geology and survey Teams of DHC at the Barseen Site.
- Meeting with WAPDA Officials i.e., Brig (Retd) Khalid Jadoon (D.G SS&E), Col Abdul Ghaffar Advisor on Land Acquisition, Dy Director Mr. Farhat for Solid Waste Disposal Site.
- Another meeting was held at newly identified Barseen Site between PD/GM DHPP, Chief Engineer DHPP, D.D Environment WAPDA and Chief Environmentalist(DHC), Sr. Environmentalist(DHC) along with Survey Team of DHC
- The Environment Section of DHC had a detailed meeting with Mr. Yao Project Manager of KKH-02 regarding EMAP Implementation issues of DHPP. The major points discussed were hiring of dedicated environmental manager, preparation and submission of CEAP for KKH-02 contract, Quality of monthly progress report, and Non-compliances at KKH-02 Sites like fugitive dust suppression, burning of wood as fuel, deployment of portable toilets at site, Procurement of spill kits and spill sheets. Oil spills at site.
- Meeting with ES-Pak Laboratory Staff regarding discussion of monitoring plan and locations for which the monitoring to be conducted for KKH-01 contract. Next Day the monitoring equipment was also checked at site and calibration certificates were also seen.

iii) Virtual Meeting With World Bank

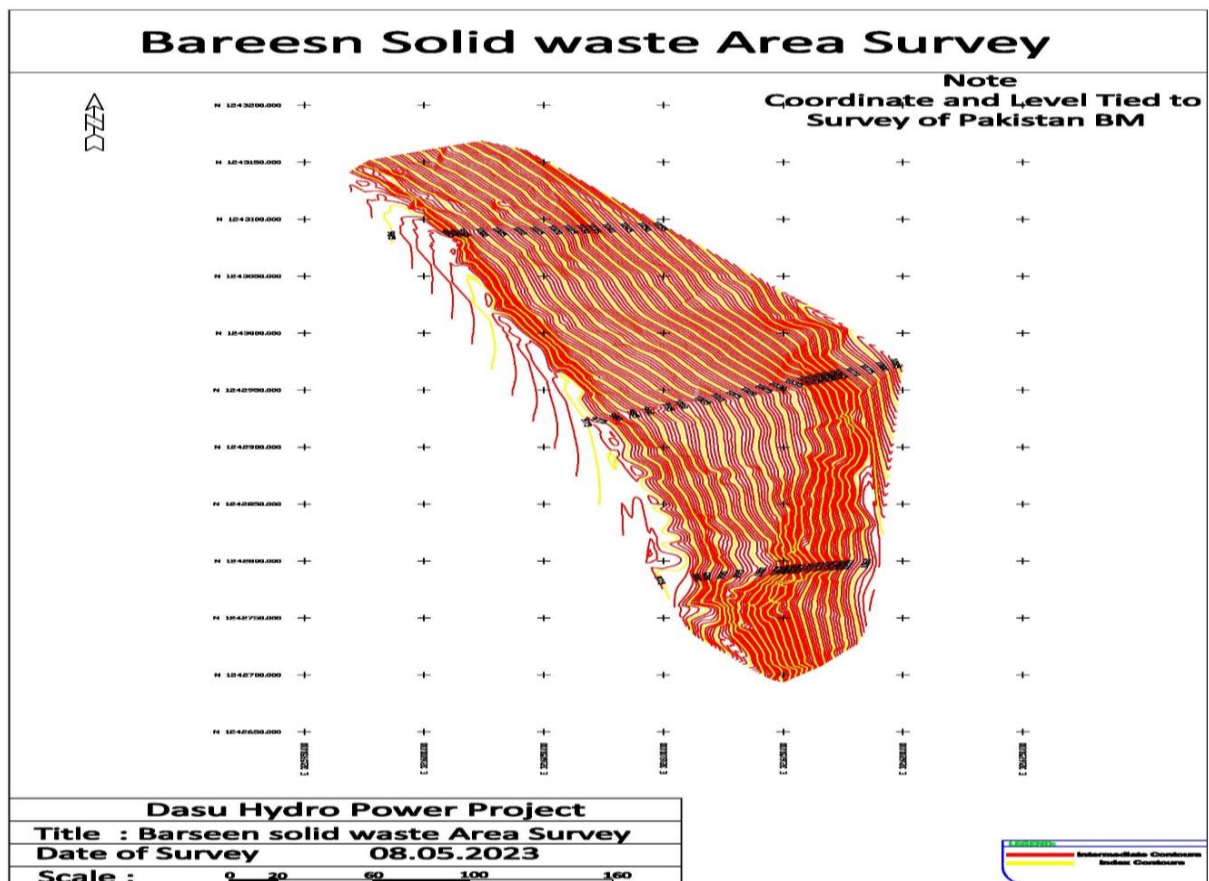
- First virtual meetings were conducted with World Bank on 5th April 2023. The agenda items discussed were solid waste disposal, traffic management plan, Recruitment of Contractors' Environment officers, Quarterly Environmental Monitoring of CGGC, NOC for Seo crusher plant Issues with Sedimentation tanks, Schedule of next meeting for which minutes were issued on 06th of April 2023.
- Second virtual meetings were conducted with World Bank on 17th April 2023. The agenda items discussed were same as the previous meetings for which Minutes were issued on 23rd of April 2023.

iv) Additional Efforts by DHC; Joint Inspection of WAPDA & DHC Environment Sections

- Joint visits of different components of DHPP were conducted in the reporting month i.e., on the 5th of April 2023 there was a Joint Inspection by DHC and WAPDA for conducting of on-site MW-01& 2, 6th of April 2023 EM-01& RAR-01.
- Another Visit was conducted on 15th of April 2023 on MW-01 & MW-02. The joint visit of WAPDA and DHC on 18th of April 2023 to KKH-02, RAR-02 was cancelled due to movement of staff due to Eid Holidays. On 27th of April 2023, there, was another joint inspection visit by WAPDA and DHC to MW-01&02 contractor sites. The findings of these inspection visits were share vide Letters as well as walk through inspection report (WTEIR) to the concerned contractors. All these joint visits by WAPDA & DHC Environment staff were concentrated on the environmental non-compliances.

v) Solid Waste Site identification in Barseen

In the month of April 2023 GM/PD DHPP and D.G SS&E received two applications from two different parties claiming the ownership of the land of Kaigah for which they both claimed that if WAPDA will acquire this land this would become a legal issue for DHPP. The local community stopped the revenue survey. After all of this mess created by the local community. The D.G SS&E WAPDA instructed the Environment Section of DHC regarding new solid waste disposal site in the already acquired Land by WAPDA. The DHC Team surveyed the site on 7th to 9th of April along with Geology and survey teams of DHC. This particular site is still under study by the Geology section for potential slope stability studies. The following image is updated on 08-05-2023.



vi) Meeting with Contractors of RAR-01, KKH-01, MW-01, MW-02, RAR-02, KKH-02 and PCI-01R

Monthly Progress Review meeting for the month of April 2023, was held on 09th & 10th of April 2023 with all contractors. Pending issues were discussed and new environmental non-compliances were also part of the discussion. Later on, minutes of meeting was prepared and issued to all contractors.

vii) Letter/ Minutes/Comments on reports sent to contractors and WAPDA

Sr. No.	Subject	Date
1	Comments response matrix on Air and Noise report to Hagler Bailey Pakistan(working on behalf of CGGC)	02/04/2023
2	DHC/Dasu/WAPDA/KKH-02/zic/23-088; KKH-02-Request for Issuance of Recommendation Letter for Fuel Storage	02/04/2023
3	DHC/Dasu/WAPDA/MW-01/zic/23-266; MW-01-Submission of Utilization Record of Coarse and Fine Aggregate for January 2023	04/04/2023
4	DHC/Dasu/GEPC/EM-01/zic/23-106; "Submission of Transportation Management Plan for Electro Mechanical Equipment"	04/04/2023
5	DHC/Dasu/CCECC/KKH-01/zic/23-122; Review of Revised Monthly EHS Monitoring Report No.85 for the Month of January 2023	04/04/2023
6	DHC/Dasu/CGGC/MW-01/zic/23-116; Absence of Senior Management During Joint Inspections with the Engineer and WAPDA	06/04/2023
7	DHC/Dasu/CGGC/MW-02/zic/23-271; Absence of Senior Management During Joint Inspections with the Engineer and WAPDA	06/04/2023
8	DHC/Dasu/CGGC/MW-01/zic/23-273; Hiring on the Remaining Positions of Environmental Officer	06/04/2023
9	DHC/DASU/GEPC/EM-01/zic/23-111; Joint Site Environmental Inspection of WAPDA and DHC	06/04/2023
10	DHC/Dasu/CCECC/KKH-01/zic/23-124;Hiring of Environmental Officer	07/04/2023
11	DHC/Dasu/CCECC/RAR-01/zic/23-037;Joint Site Environmental Inspection of WAPDA and DHC	07/04/2023
12	DHC/Dasu/CGGC/MW-01/zic/23-279; Joint Environmental Site Inspection of WAPDA and DHC	08/04/2023
13	Minutes of Monthly Environment Progress Review Meeting for TL-01	09/04/2023
14	Minutes of Monthly Environment Progress Review Meeting for EM-01	09/04/2023
15	Minutes of Monthly Environment Progress Review Meeting for MW-01 & 02	09/04/2023
16	Minutes of Monthly Environment Progress Review Meeting for KKH-01	09/04/2023
17	Minutes of Monthly Environment Progress Review Meeting for RAR-01	09/04/2023
18	Minutes of Monthly Environment Progress Review Meeting for KKH-02	09/04/2023
19	Minutes of Monthly Environment Progress Review Meeting for PCI-01R	09/04/2023
20	DHC/Dasu/CGGC/MW-02/zic/23-120; Joint Environmental Site Inspection of WAPDA and DHC	09/04/2023
21	DHC/Dasu/CGGC/RAR-02/zic/23-051; Adverse Impacts of Construction Activities on School Located at GPS Seer Gayal	10/04/2023
22	DHC/Dasu/WAPDA/RAR-02/zic/23-052; Adverse Impacts of Construction Activities on School Located at GPS Seer Gayal	10/04/2023
23	DHC/Dasu/CCECC/KKH-01/zic/23-131; Washing of Concrete Transit Mixer in Chuchang Nullah	11/04/2023
24	DHC/Dasu/CCECC/KKH-01/zic/23-132;Detail Design of Sedimentation Tank of K-9 Tunnel	11/04/2023
25	DHC/Dasu/CCECC/KKH-01/zic/23-133;Detailed Design of Sedimentation Tank of K-6 Batching Plant	11/04/2023
26	DHC/Dasu/ CGGC/MW-01/zic/23-290; Design of Sedimentation Tanks for Thoki Crusher and Batching Plant	11/04/2023
27	DHC/Dasu/ CGGC/MW-01/zic/23-291; Comments on the Monthly Environmental Report for the Month of Jan 2023	11/04/2023
28	DHC/Dasu/CCECC/RAR-01/zic/23-039; Walk Through Environmental Inspection Reports	12/04/2023
29	DHC/Dasu/PCCC/TL-01/zic/23-044; Walk Through Environmental Inspection Report	13/04/2023
30	DHC/Dasu/ CGGC/MW-01/zic/23-295; Submission of Air Dispersal Modelling and Traffic Management Plan	13/04/2023
31	DHC/Dasu/CGGC/MW-02/zic/23-125; Walk Through Environmental Inspection Reports	12/04/2023
32	DHC/Dasu/CGICOP/PCI-01 R/zic/23-113; Walk Through Environmental Inspection Reports	13/04/2023
33	DHC/Dasu/CGICOP/PCI-01 R/zic/23-114; Washing of Concrete Transit Mixer in Chuchang Nullah	13/04/2023
34	DHC/DASU/GEPC/EM-01/zic/23-115; Walk Through Environmental Inspection Reports	13/04/2023
35	DHC/DASU/WAPDA/GEN/zic/23-413; Submission of Materials Transportation Data for the DBDP	16/04/2023
36	DHC/Dasu/CCECC/KKH-01/zic/23-143; Detailed Design of Sedimentation Tanks for Uchar and K-6 Batching Plant	16/04/2023
37	MoM of 2nd fortnightly DHPP EMAP Implementation status meeting with World Bank	23/04/2023
38	Minutes of Monthly Environmental Progress Review Meeting for KKH-02	27/04/2023

2. Environmental Supervision for Each Contract Site

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

2.1. KKH-01 and RAR-01

- a) Review:** The Environment Section of DHC reviewed Monthly Progress of KKH-01 & RAR-01 of the month of April, 2023 on 9th of May 2023.
- b) Environmental supervision:** Environmental supervision were conducted for both contracts of CCECC. At KKH-01 the environmental non-compliances like Fugitive Dust Suppression Measures issue, Oil Spills, on site presence of expired cement bags, open entrance in to the underground oil storage, non-availability of clean drinking water at site, waste littering, unhygienic condition in the toilets of K-09 and K-04 Camps and many more were discussed. Presence of Door on the underground secondary confinement prepared for Fuel Storage of 40,000 Liters @ K-09 by CCECC. The observations were sent to the contractor through walkthrough environmental inspection report (WTEIR) and letters for rectification of compliances.
- c) Monthly meetings:** The monthly environmental progress review meeting for April 2023 was conducted on 09th of May 2023. All issues relating to Environmental Compliances identified in WTEIR's were discussed in the monthly meeting. Major points were

2.2. KKH-02 and RAR-02

- a) **Environmental supervision:** The construction supervision continued during the reporting month. Environmental observations noted during these visits were sent to the contractor in Walkthrough environmental inspection reports (WTEIR). The main issues identified at KKH-02 were Hiring of dedicated Environmental Manager, minor oil spill, improper spoil disposal, procurement of Spill kits inadequate housekeeping and littering at the construction site. The main issues identified on the RAR-02 contractor site were Hiring of dedicated Environmental Manager, Fugitive dust suppression measures, disposal of excavated material on the slopes, hiring of dedicated Environment Manager, Minor Oil Spills, and Wood Burning by Local Labor of the RAR-02, Waste Littering, and Haulage of Spoil from working face to spoil disposal sites and Provision of clean drinking water and portable toilets at actual working site.
- b) **NCR:** No NCR was raised during the reporting Month of April 2023 by Environment Section for KKH-02 or RAR-02. However, the work on RAR-02 was suspended due to Land Acquisition issues specifically for the Dugah, Seer Gayal, Gummo village boundaries.
- c) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 09th of May 2023. All issues relating to previous month's agreed actions as well as environmental non-compliances identified WTEIR's were discussed in the monthly meeting.

2.3. TL-01/EM-01

- a) **Environmental supervision:** The construction work is currently limited to grid station only. Regular site inspections were conducted to the site. The inspection of newly established camp for EM-01 was satisfactory except some improvements were discussed in details. Fugitive Dust was a major issue on the Chuchang to Grid Station Road as well as on the approach road of the grid. Additionally provision of clean drinking water and clean toilets was also highlighted to the TL-01 contractor which was then rectified by the contractor.
- b) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 10th of May, 2023. All issues relating to previous months agreed actions as well as environmental non-compliances identified through WTEIR's were discussed in the monthly meeting.

2.4. MW-01 and MW-02

Environmental Supervision: Daily supervisions were conducted to ensure environmental compliance. Walkthrough environmental inspection reports (WTEIR) were shared with the contractor to rectify the non-compliances observed during the site visits. The non-compliances identified and reported to the contractor for rectification were Non Hiring of Environmental Managers for MW-02, Waste littering, Oil spill, Fugitive dust, inadequate housekeeping and high pH of Waste water and the sedimentation tanks besides the CR-02 Batching Plant and Pond besides the A1 Tunnel were having sludge and froth in them. Walkthrough environmental inspection reports have been sent to the contractor for rectification of non-compliance and reporting back.

- a) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 09th of May 2023. All issues relating to previous months agreed actions as well as environmental non-compliances identified through WTEIR's were discussed in the monthly meeting.
- b) **Monthly Spot Monitoring:** The supervision of the monthly spot monitoring for environmental compliance at MW-01 and MW-02 was conducted on 15th of April 2023. All agreed parameters of wastewater were checked against NEQS limits in a monthly spot monitoring conducted on 15th of April 2023. Uchar crush plant's sedimentation pond had high level of turbidity as well as pH of 10.8 both are beyond NEQS. The CR-02 batching plant and A-01 Tunnel portal sedimentation pond monitoring was not conducted because, both were non-operational. At CR-09 MAT sedimentation Tank pH was 11.3 which is very high. CR-09 Batching plant sedimentation pond was 10.8 which is also very high. The pH

level at the outlet of CT-02 sedimentation Tank was 8.1 which is within the NEQS limits. The Adit-1 (near CR-02) sedimentation tank and the CR-02 Batching Plant sedimentation pond spot monitoring was not monitored due to presence of high level of sludge, sand and silt and confirmed from on spot Chinese staff that the Pond was non operational. The pH values of surface water taken from River Indus i.e., Up stream of Uchar crush plant and downstream of CT-02 Tunnel was 8.3 and 8.0 respectively

The aforementioned values are high other than the river water samples for Uchar Crushing Plant (Old one), CR-09 MAT and CR-09 Batching Plant as per NEQS which is 6-9. The contractor was given instructions on the AFI to add fresh water in the tertiary chambers near release point or introduce mild concentrated acid to their sedimentation ponds to keep the pH value within NEQS. The contractor was also suggested to consider another option i.e., addition of dilute acid to lower the pH and keep it within the NEQS.

- c) **NCR:** No New NCR has been issued on any contract of DHPP for EMAP Non-Compliance. There was an **NCR closed out** regarding Uchar Nullah Spoil Disposal on 7th of April 2023.

2.5. PCI-01R

- a) **Environmental supervision:** Environmental supervisions were carried out during the month and environmental observations were noted which were sent to the contractor through walkthrough environmental inspection reports. Non-compliances regarding untreated water being released in to the drain without providing settling time in the sedimentation pond, Introduction of Reward and Punishment system, Water Testing of bore hole required, Waste Littering and inadequate housekeeping issues were discussed with the contractor.
- b) **Monthly meetings:** The monthly environmental progress review meeting was conducted on 12th of May 2023 to discuss the status of progress for pending environmental issues. Minutes of meeting were prepared and shared with all stakeholders. The contractor was instructed to follow up the license for fuel storage at site from chief inspector of explosives as NCR is already issued. The contractor was further instructed to look into the welfare facilities of the labor camp as there are no hot water availability in existing toilets, cleaning of toilets, Bore Hole Water Tests are required for all 32 parameters of Drinking Water provided in the NEQS.

3.4.9 OHS Management Section

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

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

The field OHS staffing of DHC in this month are twenty-two (22) supported by one International OHS Advisor/Expert. One international Road Safety and Traffic Management Specialist was hired on international position in April 2023. One traffic Engineer joined DHC in January 2023 and is currently working with Environment Section of DHC. The following field staffs were available with OHS section during this reporting month:

1. One Foreign Resident OHS Specialist;
2. One Foreign Road Safety and Traffic Management Specialist
3. One Deputy Lead OHS
4. Two OHS Specialist;
5. One Traffic Engineer (Working with Environment Section of DHC)

6. Three OHS Professionals;
7. Four Field OHS Professionals;
8. Three Field Inspectors;
9. One Plant & Equipment Inspector;
10. One Plant & Equipment Assistant Inspector;
11. Two Emergency Response Coordinators; and
12. Two Medical Technicians

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

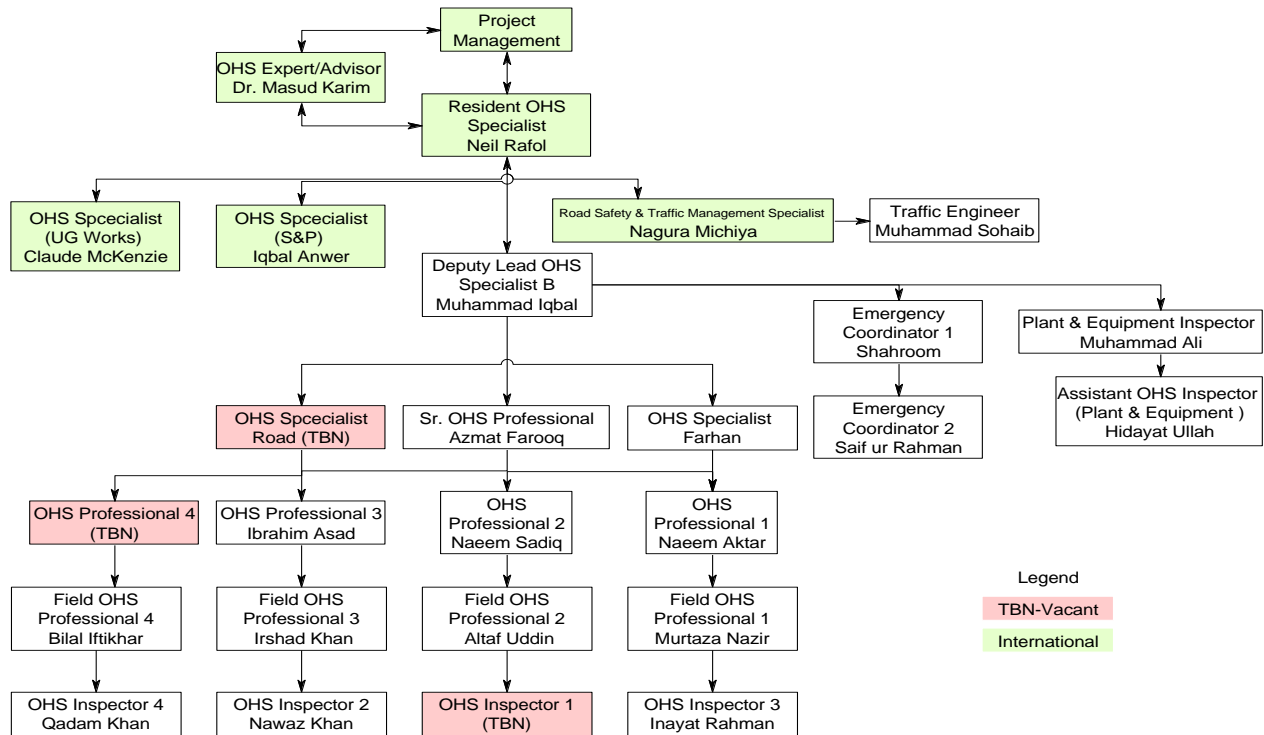


Figure: OHS organization diagram

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

3.4.10 Social & Resettlement Management Section

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

Work on SRMP implementation continued during the reporting month (April 2023). Major activities carried out by various S&R teams during the reporting month are summarized below, while details of activities carried out under each section are given in Chapter-7.

1. **Land Acquisition and GIS Teams** performed the following tasks;
 - i. Land Acquisition Team continued assisting WAPDA as well as the Office of Deputy Commissioner / Land Acquisition Collector in the process of acquiring remaining land (208 acres). The team extended its support to Land Acquisition Cell (LAC) for assisting Sub Registrar in completion of documents for private registration deeds to acquire land of the remaining components.
 - ii. As per updated status of Land Acquisition obtained from the Land Acquisition Section under Land Acquisition Collector / Deputy Commissioner's Office, Dasu, Kohistan Upper, a total land of about 4,830 acres of land has been awarded / acquired until April 2023. About 48 acres land was acquired during the reporting month (April 2023).

- iii. Land acquisition formalities for the remaining land (208 acres) is under process. GIS Verification based on revenue record of all components has been completed, and signing of sellers (PAPs) on registration deed remained in progress. Though the GIS Verification of Harban and Shatial has been completed, however the community still have some reservations and a Commission was formed by the Deputy Commissioner to visit the area along with Revenue and GIS staff to resolve the issues amicably. The Revenue and GIS Team along with Assistant Commissioner (Revenue) visited the Shatial area for verification of acquired land and structures and prepared a comprehensive report. The report was reviewed by the Project Management and the Deputy Commissioner and finalized.
 - iv. The WAPDA Management Team (GM/PD, DG-SS, and Director S&R) followed up and discussed land acquisition progress in detail with the Deputy Commissioner and Land Acquisition Collector. The remaining mainly include; (i) 161 acres in Shatial pending due to elevation issue and related inclusion of 44 houses touching the elevation line, (ii) 07 acres land of various components is under process of land acquisition formalities, and (iii) 40 acres land under the process of Deed Registration Signing.
 - v. LA & GIS Teams worked to prepare all required documents and verified revenue records and cost assessments of on-going components. The team digitized received revenue record, helped revenue team in record rectification, and submitted the rectified record to GIS team for verification.
 - vi. No new or rectified revenue records was received for GIS verification during the reporting month as the GIS Verification of almost all the components have been completed. GIS Team remained engage in the reverification of Shatial components and replying the applications of the AHHs regarding their reservations about GIS verification. The team also remain involve in preparing the briefs as well as explanation notes & organizing land & GIS data for court cases, number of court cases regarding GIS are being dealt by GIS Team.
 - vii. The LA Team also involved in verifying cost assessments for transfer of compensation funds in DC/LAC account. No further component was received during the reporting month for the verification of cost assessment;
 - viii. The team assisted LAC team in paying compensation money to the PAPs, cheques were prepared. By April 2023, a total amount of PKR 19.49 billion has been paid as compensation money to 7,960 PAPs through 11,782 cheques During April 2023, an amount of PKR 4,210,884/- was paid as compensation payment to 07 PAPs of 12 components. A total of 08 cheques were issued by DC office during the reporting month.
 - ix. The payment of land leasing of Kass area remained in progress. An amount of Rs. 548,268,836/- has been paid to 256 Beneficiaries of various Kass Areas by the end of reporting month (April 2023). No cheque was paid during the reporting month.
 - x. 83% of Kass land has been paid and handed over to the Contractor while the remaining 17 % area of Kass was process for compulsory acquisition as it could not be taken over on lease due to title disputes.
 - xi. During the reporting month, No new Section-4 or corrigendum of Section-4 were prepared and submitted.
- 2. Resettlement & Rehabilitation Team includes Resettlement Team, Public Consultation Team, and Livelihood Team.** The Teams performed the following tasks;
- i. The S&R and consultation teams supported contractors and Infrastructure teams in resolving issues during the reporting month (Khushi-1, Khushi-2, Nasirabad-1 Nasirabad-2, Chuchang-1, and Chuchang-4). The sites were visited to resolve the emerging social issues during the reporting month.
 - ii. S&R Teams mainly remained engage in preparing and payment of Enhanced Self-Managed Relocation (ESMR) Package. By the end of April 2023, an amount of Rs. 4,493.05 Million were paid to 1,287 Affected Households for ESMR package.
 - iii. By the end of April 2023, a total of 1,909 cases of Phase-1 & Phase-II have been processed, out of which 1,369 approved, 445 rejected, 36 subjudice and remaining (59) were under process to be reviewed in joint sessions.
 - iv. Relocation of houses from eight priority villages remained in progress, however the case of Siglo is critical. The Task Force Committee remain engaged to conduct consultations

with the AHHs who have received ESMR payments and all other allowances in the priority-1 and 2 villages for their early relocation and demolishing of their structures for handing over the area to the contractor. So far 835 structures has been demolished and the AHHs relocated to other places.

- v. The District administration conducted a series of Jirgas for the relocation of AHHs of Siglo, who are demanding ESMR Package for all their houses including the rejected cases. All approved cases (294) of Siglo have been paid while Joint Committee Meetings held during the reporting month to review further the rejected cases of Siglo. Out of the total paid cases of Siglo, 221 AHHs has relocated to other places after demolishing their structures.
 - vi. The S&R teams also kept engage in revising the files as per the comments of Review & Scrutiny Committee (RSC) and Payment Committee (PC).
 - vii. A series of meetings were conducted with Deputy Commissioner (Kohistan Upper) during the reporting month regarding the progress of ESMR files preparation and payments.
 - viii. S&R Team also remained engaged to receive & review number of applications regarding SMR from the community. The reply of priority applications was prepared and submitted.
 - ix. The team also remained involved in preparing TRP files and assist WAPDA to pay TRP to the AHHs. By the end of April 2023, a total amount of PKR 101,683,447/- paid as TRP to 210 AHHs relocating to RVs (PKR 90,738,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. An amount of PKR 90,000/- was paid to one AHHs from 04 resettlement components during April 2023. In addition to HHs, PKR 3,926,220/- were paid to the owners of 43 commercial structures of Khushi, Sigloo, Tailrace Kuz Chuchang, and Barseen Area.
 - x. The Public Consultation Team assisted R&R team and LADP teams in community consultations regarding resettlement sites (Khushi 1&2, Nasirabad 1&2, and Dhaat 1), LADP schemes, and resolved day-to-day social issues.
 - xi. ILRP Team, so far, has completed 13 reports on 39 components and submitted to WAPDA, while the survey of village Seer Gayal is in progress. The report is not prepared as the revenue survey of one component in Seer Gayal village has is recently completed. However, ILRP is no more under the scope of DHC and has awarded to the new Consultants (NESPAK) along with the implementation of Local Area Development Program (LADP). The consultants have taken over ILRP and have prepared revised plans and methodology. The component will further be reported by the new Consultants.
 - xii. The ILRP also assisted R&R and Public Consultation Team in finalizing TRP cases and consultation with the communities regarding TRP as well as estimation of project allowances for disbursements of payments.
 - xiii. Similarly, the implementation of LADP has now been assigned to the new consultants (NESPAK Consultants). The contract has been commenced and a team of consultants has arrived in Dasu and started their work. The Team of NESPAK Consultants is directly reporting to the Employer and the World Bank. In this regard, a number of meetings were held with the Director General Social Safeguard and the World Bank during the reporting month. The NESPAK team will start preparing the monthly progress report soon and report directly to the Employer and the World Bank.
- 3. Social Development Team (Public Health & Gender Teams, In-Migrant Management (IMM) Team, and Downstream Impact Management (DIM) Team, Communication Team, GRC Team) performed the following Tasks;**
- i. Likewise, the Public Health Implementation Plan has also been included in the scope of new LADP Consultants (NESPAK) . A couple of meetings of WAPDA S&R Team including Assistant Director Public Health with the representatives of new consultants regarding the new arrangements were held during the month. The activities under this component are being supervised by the Director General Social Safeguards in assistance with Director S&R and Assistant Director Gender and community Health (WAPDA).From now onward the NESPAK Consultants will report the monthly progress of this component and the section will be deleted from DHC Report.
 - ii. Skill Development Course was started, a total of 25 women and girls' have enrolled and are learning with keen interest actively.

- iii. Gender Awareness and sensitization 'Participants hand Book' in Urdu reviewed and is now at final stages.
 - iv. The proposal for LHV course was further revised as per comments of DG-SS. A total of 35 candidates available after advertisement and their documents are collected. Letter of request to Secretary Health and Pakistan Nursing Council is sent for further steps with Provincial Health Services Academy (PHSA).
 - v. Draft undertaking for candidates has been developed in URDU with the consultation from Social & Resettlement team for streamlining the two years long course with a better discipline. The same is shared with Sr Management for a final review. Candidates and their "mehrums" will be oriented they will sign undertaking, once approved by WAPDA, Office.
 - vi. In April, 2023, follow-up coaching sessions with key religious leaders were conducted as a regular practice for maintaining their interest and active involvement. These key religious leaders were explained, about the criteria to form an executive body of religious leaders and their role in formation and strengthening of the body. A total of 15 religious leaders from across Kohistan have been selected for executive body.
 - vii. In order to promote women and girls literacy in the project areas, a proposal for the Literacy Course (10 months) for Bari Rango Village had been developed, finalized and approved by WAPDA. Finally approved budget has been transferred to National Commission on Human Development (NCHD) for launch of course at Bari Rango Village.
 - viii. 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.
 - ix. Distribution of already published information material continued among the affected communities in the project area.
 - x. The IGRC team updated the GRC status for the month and carried out meetings for resolving the pending complaints,
 - xi. The IMM team organized workforce data received from all contractors and other stakeholders. A total 6,197 workers were recorded working with the contractor and other organizations under DHPP by the end of reporting period.
- 4. Monitoring & Evaluation (M&E) and MIS Development Teams** performed the following tasks
- i. M&E Team also supported LA and R&R Teams in monitoring of compensation payments (in DC Office) and TRP allowances disbursement (in WAPDA).
 - ii. The M&E team organized compensation payment and TRP data and prepared updated status. The team also remained involve to keep record of Kass Land Leasing which remained in progress during the reporting month.
 - iii. The M&E team also supported MIS team in the development and upgradation of on-going modules for finalizing input and output formats. The team mainly worked on SMR sub-module for developing input and output formats.
 - iv. The M&E Team also remained engage to enter compensation payment record in MIS as well as prepare documents for accounts adjustment.
 - v. The MIS Team mainly worked on the development of output tables of already developed modules and no work was done on the remaining modules (OHS and Environment). About 87 % of MIS Development work has been completed by April 2023.

3.4.11 Others

a) Planning & Work Sequence Monitoring Section

- i. The Contractor (CGICOP) of the Project Colony submitted 2nd Extension of Time (EoT-2) with 26 no. of delay events. The Engineer has preliminary assessed the submission and asked the Contractor a revised baseline schedule for EoT-2. The Contractor has submitted soft copy of the schedules; however, the Engineer has asked again for the revised programme according EoT-01, which should be in consistent with the Approved Contract Programme (Baseline Schedule).

A meeting was held between the Engineer and the Contractor on 13th February 2023, wherein the Contractor has agreed that he will provide a revised schedule and As-built schedule for the Engineer's review and will submit the revised EoT-2. The Contractor PCI-01R has emailed his revised schedule. The revised submission of the Contractor is not in

compliance with the Contract Programme. The Contractor did not provide as-built schedule. Therefore, the Engineer is preparing impacted programme and will examine the analysis for the assessment report. The Engineer is drafting an assessment/recommendation report on EoT-02 for the Employer.

- ii. Analysis of R5D1 schedule of the Contractor for MW-01 works is in progress with the Engineer.
- iii. Adjustment (Correction) of Contract programme (Baseline Schedule) of MW-01 Contract for prolongation cost claim is in progress.
- iv. Adjustment (Correction) of Contract programme (Baseline Schedule) of MW-02 Contract for prolongation cost claim is in progress.
- v. The Engineer has reviewed the Contractor's (CGGC) updated schedules R5D12 and R5D13 for MW-02 works, the comments will be shared with the Contractor for the necessary action.
- vi. Discussion and negotiations with Contractor regarding the Baseline Schedule for RAR-02 Contract in progress. The Contractor has been asked to provide supporting documents for the schedule enhance the narrative report.
- vii. The Contractor (Zhongmei) has submitted his revised interim EoT-2 claim. The Delay events have been analyzed by the Engineer. An assessment/recommendation report is under progress.
- viii. The Contractor's revised schedule of KKH-01 Contract is under review with the Engineer.
- ix. Assist in preparation of revised PC-1, and updates data for the traffic management plan.
- x. Preparation and submission of various periodical reports, letters and updates.

b) Laboratory and Quality Assurance Section

- i. **QA/QC-related correspondences:** The correspondences from all Dasu Contractors and WAPDA are being reviewed and responded. The issued AFIs (Availability for Inspection) by the Contractors are being performed and, when required, controlled and commented on; letters are being prepared and sent to the Contractors related to the QA/QC issues observed at the Site. Inter-section meetings have been regularly held with other parts of DHC regarding Technical Specifications and Contractual issues to clarify some design parameters and make a primary platform for QA/QC test methods and frequencies. The Conditional approval of natural pozzolan source 1 has been issued.
- ii. **Approval of the material sources and manufacturers:** The submitted documents and certificates of sources proposed by the Contractors are being reviewed and commented on. In the scope of MW-01&MW-02, for the proposed Natural Pozzolan Source 1, the Evaluation of Natural Pozzolan Source 1 has been completed and conditional approval has been issued. A Sub Base material source has been evaluated and approved in the scope of KKH-01 work. The Evaluation of Fauji Cement factory regarding low alkali cement production quality has been successfully completed during this month.
- iii. **Smart Quality Control Database (Test Results):** The database is regularly being prepared, including aggregates, cement, admixtures, reinforcement, Concrete, Mortar, Shotcrete, Grout, and etc. is also in progress. Any unusual trend of material and products properties are being monitored; in case of non-conformance, required instruction are being instructed to the Contractors. The database of third-party laboratory test results are being recorded. Gathering and evaluating data regarding CR2 and CR9 Batching Plants printouts and Daily summaries are regularly being performed (the new UCHAR Batching Plants starts to produce since this month). The daily report of all activities in the Barseen Laboratory is being recorded. The UCHAR Temporary Crushing Plant's daily production active time is also being monitored (MW-01&MW-02). Evaluating the main works database for all material was performed during March month. In the scope of RAR-01 and KKH-01 works, the CCECC Contractor updating their soft-form database at the ZAL camp laboratory office. A new integrated database of all petrographic and Alkali Silica Reactivity test results has been prepared in the scope of Main Works from beginning of the projects.
- iv. **Sampling and Testing of Fresh Construction Products:** Determining the compressive strengths, workability, and density of the produced concrete, shotcrete, grouts, and mortar mixes, sampling, and testing are regularly ongoing, as per the Technical Specifications for

Dasu Projects. Regarding the New UCHAR Crushing Plant (Number #1), the civil works is completed and the Contractor adjusted most of the productions according to the Technical Specifications of the project. Recently due to the shortage of fine material at the Main Works site, the fine and coarse material tests are regularly being performed. The UCHAR Batching Plant construction phase is almost completed. The ice factory and chilled water parts installation are ongoing. The performance tests of fresh concrete production of this new batching plant has been performed and the obtained compressive strength test results are satisfactory.

- v. **Field Tests:** In the scope of KKH-01 and RAR-01 (bypass part) rock bolt, regular-based pull out and field density of backfilling and filling tests are being performed. The field performance trials of the proposed Concrete Classes and Shotcrete are being tested at the site in the scope of Main Works and KKH-01 projects. The aggregate production rate measurement of UCHAR crushing plant (Number #1) will be carried out after fully operation of the facility. In the scope of KKH-01, the access road to the Colony, coring from the RCC Pavement are being performed after reaching the specified age of strength. The quality of produced material including fine and coarse aggregates are regularly being measured in the scope of Main Works.
- vi. **Follow-up, Review, and Evaluation:** The monitoring and evaluation of test results according to technical specifications is in progress the scope of the Dasu projects. Petrographic analysis and Alkali-Silica Reactivity test results are regularly being evaluated for MW-01, MW-02, and KKH-01 works. The Third-party laboratory petrographic analysis and ASR accelerated test results of Kaigah quarry, underground excavations and some local rock samples have been evaluated during this month. A comprehensive report of Natural Pozzolan Source 1 has been completed by the Engineer including all Physical and Chemical test results which have been performed since the beginning of the Main Work projects. The monthly third party laboratories test results for different material are being evaluated in the scope of Main Works. The local DHC inspectors are being trained by the senior Engineers to systematically follow up and control the production (Concrete, Shotcrete, and Mortar) quality at the batching plants. An evaluation program has been conducted among QA/QC section inspectors to evaluate their promotions with cooperation of admin section. The Contractors including CGGC and CCECC should hire well-experienced laboratory technicians and Engineers to improve quality control and decrease the variations at the site and laboratory. An updated test plan for short and long term properties of utilized rock material regarding ASR phenomena has been provided in the scope of MW-01, MW-02 and KKH-01 works. In the next month the designed plan will be implemented for all mentioned projects.
- vii. **Consigned Material and 3rd party laboratory tests:** Routine Quality Control Tests on the consigned cement, reinforcement steel bars, wire mesh, and other steel materials, and admixtures are ongoing at the Site Laboratories and 3rd party laboratories. The test results have been reviewed and evaluated, and accordingly, relevant actions have been taken. In the scope of MW-01&MW-02 works, water, Cement, Rebar, Rock Bolts, Rock Bolts Components, Admixtures, wire mesh, Water stop samples have been taken and submitted to the 3rd party laboratories. In the scope of the KKH-01 project, samples from different project materials have been taken submitted to the 3rd party laboratories. In the scope of MW-01, a list of RCC special tests has been issued by the Engineer and searching to find Third-Party laboratories that could perform the tests, according to the required test method is ongoing. Regarding this activity the Engineer got close help from WAPDA Engineers. For final approval of the RCC mix designs, performing of these tests are essential. Through each sample delivery plan, the engineer always tries to maintain close technical communication with the third party laboratories regarding the required standard test methods according to the Dasu project specifications. The evaluation of Third-Party laboratory test results and their reported interpretations are regularly being performed by the Engineer.
- viii. **RCC Mix Design:** Second Stage RCC Mix Trial Program recommended by Dr. Dunstan has been performed with different cement Fauji OPC and Natural Pozzolan source 1 contents. The long-term test results (365 days) were completed in May 2022. The MW-01

Contractor has recently performed alkali reactivity tests on blended cement (Cement and natural pozzolan) that have been used in mentioned mix trials as per Technical Specifications. The Engineer received the 3rd party laboratory test results; the results show the Natural Pozzolan is effective to control the deleterious expansion due to the Alkali Silica Reaction. The Contractor is also requested to repeat the nominated mix proportions at the Barseen laboratory to confirm the selected proportions, especially to verify the achieved compressive strength and the performance of the utilized water retarder/reducer. Other tests like Permeability (from the mass and inter-layer joint parts), Poisson ratio, Module Elasticity, Tensile Strength, Shear Strength, Creep, Volume Change, and Dynamic and Thermal Properties should be performed on hardened concrete samples which mostly will be taken from the Field Trial Placement program. The limits for mentioned parameters has been declared to the Contractor through a formal letter by the Engineer. The method statement of RCC Field Trail Placement (FTP) has been reviewed by the Engineer and the respective reply letter submitted to the main works Contractor.

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

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

In the scope of the MW-01&MW-02 works, Pozzolan CVC mix trials are completed for different classes of concretes. The evaluation of these mixes is ongoing.

- x. Monthly Laboratory Monitoring and other facilities:** Maintenance and Operational condition of the Contractor's laboratories have been regularly performed. Materials, sewage system, calibration testing, power supply, air conditioning, etc. In the scope of the KKH-01 works, the CCECC contractor mobilized to ZAL camp laboratory with afresh purchased apparatuses. Some of recently purchased equipment are still not operated by KKH-01 Contractor.

c) Survey Section

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

i. Dasu-RAR-01: Survey Supervision Activities

- **Jointly Survey of Breast wall foundation at KOMILA bypass at:**

- Km 0+637.50 to Km 0+656.25
- Km 1+243.75 to Km 1+252.36
- Km 0+775 to Km 0+887.25
- Km 0+456 to Km 0+462
- Km 0+490 to Km 0+500
- Km 0+425 to Km 0+437.50
- Km 0+281.75 to Km 0+343.75
- Km0+281 to Km 0+343.75
- Km 0+731.25 to Km 0+775.00
- Km 1+700 to Km 1+875

- **Jointly Survey of Causeway cut off wall (Right side) at KOMILA bypass at:**

- Km 1+318.75 to Km 1+356.25

- **Jointly Survey of Slide material at KOMILA bypass at:**

- Km 0+035 to Km 0+ 125

- **Jointly Survey Work done of Road Excavation at KOMILA bypass at:**
Km 1+700 to Km 1+875
 - **Jointly Survey of Sub Base level at KOMILA bypass at:**
Km1+562.50 to Km 1+700
 - **Joint Survey of Retaining wall foundation at KOMILA bypass at:**
Km 0+163.752 to Km 0+173.12
Km 0+173.50 to Km 0+179.75
 - **Joint Survey for punch list item at:**
Km7+531.25 to Km 7+568.75
Joint Survey of Dumping Area at 2+650 (Around) RAR01
- ii. **RAR 02: Survey Supervision Activities:**
- Joint Survey for shallow-hole and split blasting at RAR-02 Km 34+430 to Km 34+410 Right side from KANDIA bridge
 - Joint Survey for shallow-hole & split blasting at RAR-02 main road SEO site Km 13+370 to 13+410
 - Joint Survey for boulders measurement at RAR-02 Km 36+890 to Km 36+910 right side from KANDIA bridge
 - Joint Re topographic Survey at RAR-02 main road m K33+400 to Km 33+800 KANDIA NULLAH
 - Joint demarcation of ROW (limit) at RAR-02 Km 33+580 to Km 33+620 for removals trees
 - Joint Survey for shallow-hole and split blasting of main road at RAR-02 Km 34+540 to Km 34+560 right side from KANDIA Bridge
 - Joint Survey for rock classification of temporary access road TR-01 to RAR-02 Km 0+860 to 1+173
 - Joint Survey for rock classification of main road RAR-02 Km 35+570 to Km 35+790
 - Demarcation of proposed mosque area 1 & ROW (limit) RAR-02 at SEERGAYAL
 - Demarcation of proposed mosque area 2 & ROW (limit) RAR-02 at SEERGAYAL
 - Joint Survey for shallow-hole and split blasting of main road at RAR-02 Km 34+400 to Km 34+560 right side from KANDIA Bridge
 - Joint Survey for rock classification of main road RAR-02 Km 33+210 to Km 33+400
 - Joint Survey for measurement of excavation quantity of RAR-02 at SIGLO 2 Km 13+350 to 13+410
 - Joint Survey for shallow-hole and split blasting at RAR-02 main road Km 13+695 to Km 13+705
 - Joint Survey for measurement of excavation quantity of RAR-02 at SIGLO 2 Km 13+630 to 13+700
 - Data collection of existing mosque at SEERGAYAL for Social section
 - Joint Survey for shallow-hole and split blasting at RAR-02 main road SEO site Km 13+380 to 13+410
 - Joint Survey for boulders measurement at RAR-02 Km 34+340 to Km 34+370 right side from KANDIA bridge
 - Joint Survey for rock classification of main road RAR-02 Km 34+560 to Km 34+850
 - Joint Survey for shallow-hole and boulders blast of access road to RAR-02 Km 33+240 to 33+300
 - Joint Survey for rock classification of main road RAR-02 Km 36+440 to Km 36+840
 - Joint Survey for shallow-hole and split blasting at RAR-02 main road SEO site Km 13+685 to 13+695
 - Joint Survey for measurement of excavation quantity (IPC) of RAR-02 KANDIA main road at Km 33+180 to Km 33+400
 - Joint Survey for shallow-hole and split blasting of temporary access road TR 04 to RAR-02 RD 0+000 to RD 0+006 DOGAH R bank
 - Joint Survey for boulders measurement at RAR-02 Km 33+220 around right side KANDIA bridge
- iii. **Dasu-KKH-01: Survey Supervision Activities**
- **Joint Marking for top Level of KHUSHI Access Road at:**
Km 0+587 to Km 0+543
Km 0+543 to Km 0+500
Km 0+468 to Km 0+650
Km 0+393 to Km 0+400
 - **Joint survey after Shotcrete at:**
Km-9 tunnel Km 9+152 to 9+245
 - **Joint survey for subgrade Level at:**
Km 0+900 to Km 1+442 KHUSHI access Road
 - **Joint survey of retaining wall foundation at:**
Km 1+058 to Km 1+065 KHUSHI access Road
 - **Joint Marking for top Level of KHUSHI Access Road at:**
Km 0+331 to Km 0+400

- **Joint survey of retaining wall foundation at:**
Km 0+966 to Km 0+981 KHUSHI access Road
Joint survey of excavation of Abutment-1 Of BARSEEN Bridge.
Joint work done survey for IPC-33 at Km 1+406 to Km 1+900 KKH-01
Joint work done survey for slope protection (shotcrete) at Km 1+406 to Km 1+900
Joint survey Marking top level of concrete at Km 0+650 to Km 0+900 & Km 1+181 to Km 1+218
- **Joint survey of excavation work and support work at:**
Km 9+435 to Km 9+507
Km 4+360 to Km 4+310
Km 11+910 to Km 11+894
Km 23+645 to Km 23+630

iv. Dasu-KKH-02: Survey Supervision Activities

- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 42+270 to Km 42+290
- Joint Survey for cutting and removal of trees at KKH-02 Km 26+180 to Km 26+390
- Demarcation of KHANDIA landslide area at KKH02
- Joint Survey for shallow-hole blasting of New Comp at RD39
- Joint Survey for shallow-hole and split blasting of KKH-02 main road Km 26+340 to Km 26+460
- Joint survey for LOOTER Bridge geological survey borehole depth (DKZK2-DKZK3)
- Joint Survey for shallow-hole blasting of Access road KKH-02 at RD 40+000
- Joint survey for summer Bridge geological survey borehole depth (DKZK2-DKZK3)
- Demarcation of tunnel inlet and outlet KKH-02 at SUMMER tunnel
- Joint topographic Survey for IPC of KKH-02 main road from Km 42+360 to Km 42+380
- Demarcation of tunnel inlet and outlet KKH-02 at LAACHI
- Joint Survey for boulders measurement at KKH-02 main road Km 46+290 to Km 46+310
- Joint Survey for boulders measurement at KKH-02 main road Km 31+970 to Km 31+990
- Joint Survey for boulders measurement at KKH-02 main road Km 36+330 to Km 36+340
- Joint Survey for rock classification of main road KKH-02 Km 30+430 to Km 30+920
- Demarcation of ROW KKH-02 main road at CHALASHI
- Joint topographic Survey for IPC of KKH-02 Access road from Km 46+090 to m K46+340
- Joint topographic Survey for IPC of KKH-02 Access road from Km 34+100 to Km 34+390
- Data collections for GIS and WAPDA of additional land at PANI BAH
- Joint survey for geological survey at KKH-02 (Km 30+430 to Km 30+920)
- Joint topographic Survey for IPC of KKH-02 Access road from Km 24+710 to Km 24+810
- Joint topographic Survey for IPC of KKH-02 Access road from Km 26+370 to Km 26+740
- Joint topographic Survey for KKH-02 Km 42+580 to Km 42+760
- Joint topographic Survey for IPC of KKH-02 Access road from Km 31+880 to Km 32+050
- Joint topographic Survey for IPC of KKH-02 Access road from Km 42+230 to Km 42+610

v. Project Colony Survey Supervision Activities:

- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+280 to 0+260
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+260 to 0+240
- Joint Survey and Check Bed Level of Drain P 1 Road Left Side from Rd 0+260 to 0+280
- Joint Survey and Check Bed Level of Drain P 1 Road Left Side from Rd 0+240 to 0+260
- Joint Survey and Check Lean Top Level of Drain from RD 0+280 to 0+260 Left Side P 1 Road
- Joint Survey and Check Lean Top Level of Drain from RD 0+260 to 0+240 Left Side P 1 Road
- Joint Survey and Check Class B Top Level of Drain from RD 0+260 to 0+240 Left Side P 1 Road
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 1
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 2
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 3
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 4
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 5
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 1
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 2
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 3
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 4
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 5
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 6
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 6

- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 9
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 10
- Joint Survey and Check Excavation Level Main Entrance Car Porch and Corridor at Cat 2B Part 11
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 9
- Joint Survey of Bed Level of Main Entrance Walk Way of Car Porch Area at Category 2B Part 10
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+580 to 0+560
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+560 to 0+540
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+540 to 0+520
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+520 to 0+500
- Joint Survey and Check Top Level of Class B at P 1 Road Left Side Drain from RD 0+500 to 0+480
- Joint Survey and Check Class B Top Level of Drain from RD 0+280 to 0+260 Left Side P 1 Road
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+220 to 0+240
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+200 to 0+220
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+180 to 0+200
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+160 to 0+140
- Joint Survey and Check Bed Level of Drain P 1 Road Left Side from RD 0+240 to 0+220
- Joint Survey and Check Bed Level of Drain P 1 Road Left Side from RD 0+200 to 0+220
- Joint Survey and Check Bed Level of Drain P 1 Road Left Side from RD 0+180 to 0+200
- Joint Survey and Check Bed Level of Drain P 1 Road Left Side from RD 0+160 to 0+180
- Joint Survey and Check Bed Level of Drain P 1 Road Left Side from RD 0+140 to 0+160
- Joint Survey and Check Lean Top Level of Drain at P 1 Road Left Side RD 0+240 to 0+220
- Joint Survey and Check Lean Top Level of Drain at P 1 Road Left Side RD 0+220 to 0+200
- Joint Survey and Check Lean Top Level of Drain at P 1 Road Left Side RD 0+200 to 0+180
- Joint Survey and Check Lean Top Level of Drain at P 1 Road Left Side RD 0+180 to 0+160
- Joint Survey and Check Class B Top Level of Drain from RD 0+180 to 0+160 Left Side P 1 Road
- Joint Survey and Check Class B Top Level of Drain from RD 0+160 to 0+140 Left Side P 1 Road
- Joint Topographic Survey and Data Collection of CHUCHNG Site 1
- Joint Topographic Survey for Boundary Wall near Category 4 A
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+120 to 0+140
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+100 to 0+120
- Joint Layout and Excavation of Drain at Left Side of P 1 Road From RD 0+080 to 0+100

vi. Main Works Survey Supervision Activities

- Observed river water levels at DTB inlet and outlet
- Data collection of cause way at UCHAAR
- Observed Left and Right bank cross sections at KASS disposal area
- Joint formwork verification of 2 meter invert concrete at starter dam part I-1-8
- Joint as built survey at switchyard for excavated slope
- Joint formwork verification for plug area concrete at A3-1
- Observed river water level at CR-2 water Gauge and diversion tunnel outlets Tunnels
- Joint verification survey at switchyard compound 2nd layer
- Joint formwork verification of 2 meter invert concrete at starter dam part I-1-6
- Joint formwork verification of 2 meter invert concrete at starter dam part III-4-2
- Joint formwork verification of 2 meter invert concrete at starter dam part III-5-2
- Observed river water level at CR-2 water Gauge and DTA outlet Gauge
- Joint formwork verification of Drain Ditch structure at Switchyard Compound before pouring concrete
- Joint survey for left bank cable crane Current situation
- Verification survey Left and Right bank cross sections at KASS disposal area
- Observed river water level at CR-2 water Gauge and diversion tunnel outlets Tunnels Gauge
- Joint as built survey at Right bank cable crane foundation EL: 1059 to 1035
- Joint formwork verification of 2 meter invert concrete at starter dam part III-4-8
- Verification of right bank cable crane as built survey EL: 1041 to 1035
- Joint as built survey for measurement of excavation quantity at Switchyard
- Observed water level at DTA , DTB inlets and outlets for water flow measurements
- Joint as built survey at switchyard left side 3rd layer
- Joint as built survey at switchyard 4rd layer right center EL 955m to 950m
- Joint as built survey at cable crane right bank EL: 1047 to 1041
- Joint survey for shotcrete quantity at DTA outlet
- Joint as built survey at switchyard 3rd layer left side EL 950m to 946m
- Joint survey for current situation before excavation at Diversion tunnel A outlet outside

- Joint formwork verification at A1 for plug concrete
- Observed river water levels at upstream and downstream gauges
- Observed river Water level at steel Truss Bridge
- Joint formwork verification at Starter Dam before pouring concrete part III-3-9
- Joint as built survey existing road at Left bank cable crane
- Joint survey for excavation at right bank cable crane El: 1036
- Joint formwork verification at Starter Dam before pouring concrete part I-1-3
- Joint formwork verification at Starter Dam before pouring concrete part III-3-9
- Observed river water levels at upstream and downstream gauges
- Verification of as built cross sections at CT-2
- Joint as built survey at Power Intake for excavation quantity
- Joint formwork verification at Starter Dam before pouring concrete part III-3-10
- Verification of survey control network at Power House Cavern
- Joint formwork verification of invert concrete at Exhaust Tunnel CH: 0+175 to 0+193
- Joint formwork verification before placing concrete at switchyard ditch area
- Joint as built survey at cable crane foundation after excavation EL 1050 to 1047
- Joint formwork verification for 2 meter concrete at starter dam part III-3-1
- Joint formwork verification for 2 meter concrete at starter dam part III-2-1
- Joint formwork verification at switchyard ditch area before concrete
- Joint formwork verification for 2 meter invert concrete at starter dam part III-4-2
- Joint formwork verification for 2 meter invert concrete at starter dam part III-1-4
- Verification of as built cross sections at CT-2 tunnel
- Observed river water level at steel truss bridge KASS
- Verification of as built cross section at LBTT 1+020
- Verification of survey control network at LBTT
- Observed River water level at DTA-B inlet and out let Gauges
- Joint formwork verification at Starter Dam before pouring concrete part I-9
- Joint Weekly convergence measurements at power house cavern CH: 0+110 to 0+145
- Joint survey at SEGLO NULLAH for current situation
- Joint as built survey at Power Intake area
- Verification of as built cross section at LBTT 1+065
- Joint formwork verification for 2 meter invert concrete at starter dam part III-I-3
- Joint formwork verification for 2 meter invert concrete at starter dam part III-5-3
- Joint formwork verification for 2 meter invert concrete at starter dam part III-4-1
- Joint as built survey at Dam site starter dam before excavation
- Demarcation of Gallery no. 5 start point at dam site for MW-01 Design Engineer
- Joint daily convergence measurements at power house cavern CH: 0+110 to 0+145
- Data collection for houses boundary at KASS
- Joint formwork verification for 2 meter invert concrete at starter dam part I-1-8
- Joint formwork verification for 2 meter invert concrete at starter dam part I-1-7
- Joint formwork verification at starter Dam before pouring concrete Part I-1-6
- Verification formwork drain ditch at switchyard compound before pouring concrete
- Observed river water levels at DTA inlet and outlet
- Joint as built survey at cable crane left bank
- Demarcation of main dam structure cross sectional data at dam site
- Joint Weekly convergence measurements at power house cavern CH: 0+110 to 0+145
- Verification of survey control network at Right bank Diversion Tunnel

vii. Other Surveys

- Topographic Survey of R/V plots at KUZ CHUCHANG Lower
- Topographic survey of water supply pipe line at KIGAH Nullah to NASIR ABAD
- Data Collection for features at KUZ CHUCHANG Upper
- Preparing for helipad at Chinese Camp KASS
- Topographic survey of Access road at LOGRO
- Data Collection of GGPS at GAYAL
- Jointly Survey of Removal land slide material at KOMILA bypass 0+205 to 0+290

d) Geology and Geotechnical Section Activities

i. Dasu-MW-01

- **Traffic Diversion Tunnel (Inlet)**
Carried out subsurface geological mapping/data collected up to 1+076m.

- **Traffic Diversion Tunnel (Outlet)**
Carried out subsurface geological mapping/data collected up to 1+233m.
 - **Diversion Tunnel Right Bank Downstream (DTR- D/S)**
Carried out subsurface geological mapping/data collected up to 0+404m.
 - **Diversion Tunnel Right Bank Upstream (DTR- U/S)**
Carried out subsurface geological mapping/data collected up to 0+175m.
 - **Cable Crane:**
Left bank: Geological mapping of cable crane at Elev. 1031m done
Right bank: Geological mapping of cable crane at Elev. 1041-1035m done
- ii. **Dasu-MW-02**
- **In-Situ Overcoring Test (GIST):**
A meeting was held with CGGC & IVCC on 19th December, 2022 at DHC office regarding the in situ over coring test but no any documents have been submitted yet.
 - **Service Tunnel-B (ST-B)**
Geological mapping and collection of data from 0+127m to onward will continue after support works.
 - **TRT-1 (Upstream) from CT-2**
Carried out subsurface geological mapping/data collected up to 1+538m.
 - **TRT-1 (Downstream) from CT-2**
Carried out subsurface geological mapping/data collected up to 1+628m.
 - **TRT-2 (Upstream) from CT-2**
Carried out subsurface geological mapping/data collected up to 1+609m.
 - **TRT-2 (Downstream) from CT-2**
Carried out subsurface geological mapping/data collected up to 1+675m.
 - **TRT-1 (Upstream) from CT-1**
Carried out subsurface geological mapping/data collected up to 0+004.5m.
 - **TRT-1 (Downstream) from CT-1**
Carried out subsurface geological mapping/data collected up to 0+018m.
 - **TRT-2 (Downstream) from CT-1**
Carried out subsurface geological mapping/data collected up to 0+016m.
 - **Switchyard**
Right side, 2nd layer at Elev. 940 to 938m Geological mapping done.
Left Side Center portion: 3rd layer at Elev. 950 to 946m Geological mapping done
- iii. **KKH-01**
- **Logro Tunnel-A (K9+159) Inlet**
Carried out subsurface geological mapping/data collected up to K9+507m.
 - **Logro Tunnel-B (K11+923) Outlet**
Carried out subsurface geological mapping/data collected up to K11+887m.
 - **K-4 Tunnel (K4+621) Outlet**
Carried out subsurface geological mapping/data collected up to K4+307m.
 - **Dogah Tunnel (K23+750) Outlet**
Carried out subsurface geological mapping/data collected up to K23+632m.
- iv. **KKH-02**
- A. **Drilling/investigation for KKH-02 Tunnels by DID WAPDA**
- **Looter Tunnel-1 (BH#36-1) Inlet Target 70m:**
Drilling progress is 30.0m, drilled from 0.00 to 30.0m.
Net progress is 30.0m.
 - **Looter Tunnel (BV#36-2) Outlet Target 50m:**
Drilling progress is 50.0m, drilled from 0.00 to 50.0m.
Target depth of 50.0m has been completed.
Borehole terminated.
 - **Summer Tunnel (BV#51-3) Outlet Target 25m:**
Drilling progress is 25.0m, drilled from 0.00.0m to 25.0m.
Target depth of 25.0m has been completed.
Borehole terminated.
 - **Gober Tunnel-1 (BH#40-1) Intlet Target 35m:**
Drilling progress is 29.0m, drilled from 06.0 to 35.0m.
Target depth of 35.0m has been completed.
Borehole terminated.
 - **Gober Tunnel-1 (BH#40-2) Outlet Target 50m:**
Drilling progress is 02.0m, drilled from 48.0 to 50.0m.
Target depth of 50.0m has been completed.

Borehole terminated.

- **Gober Tunnel-2 (BV#41-2) Outlet Target 45m:**
Shifting of drilling rig to borehole location is in progress.

3.4.12 Meetings

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

3.4.13 Correspondence during the Reporting Period

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

4 CONSTRUCTION ACTIVITIES

The following Contracts remained in progress during this month:

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

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

Table 4.1: Basic information of Dasu HPP Overall Baseline Schedule Rev.3

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

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

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

Description	Physical Progress (%)	Financial Progress (%)
Scheduled ¹⁾	49.1	44.2
Actual	17.0	14.7

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

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

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

4.1.1 General Contract Data of KKH-01

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

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

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

4.1.2 Progress Status of KKH-01

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

Table 4.4: Progress of KKH-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-01	92.3	178.6	33.2	-	0.60	100.0	33.8

- Gantt chart and S-Curves are shown in Figure-8 & 9 respectively
- Scheduled progress of KKH-01 is based on interim EoT-2. The Engineer is preparing a recommendation/assessment report of EoT-03 for the Employer.

4.1.3 Major Activities of KKH-01

The major activities undertaken during this month were:

- **Limited Construction Activities in this month.**
- Slope protection work & excavation activities at third bench Zero Point continued during the month.
- Excavation and primary support works of K-4 Tunnel outlet side RD=K4+298 continued during the month and 326m heading completed. Preparation for secondary lining assembling of formwork completed.
- Excavation and primary support works of Logro-A tunnel inlet side RD=K9+511 continued during the month and 359m heading completed. Preparation for secondary lining assembling of formwork.
- Logro B excavation and primary support works at outlet side RD=K11+888 continued during the month and 35m heading completed.
- Dugah tunnel excavation and primary support works at outlet side RD=K23+629 continued during the month and 21m heading completed.
- Improvement works including construction of retaining walls & laying of RCCP for Khushe Bypass Road continued during the month.
- Construction of camp, workshop and batching plant in Uchar continued during the month. Excavation for pier# 01 started and continued during the month.
- Construction of access road on left side pier 02 of Uchar Bridge started and continued during the month.

- Main batching plant in Uchar with capacity (120m³/hr) concrete production has started.
- Barseen Brigde in Kaigah direction Camp construction continued during the month. Excavation in Dasu direction for abutment has started and continued.
- Construction of camp, workshop and batching plant in Kaigah for Dugah tunnel continued during the month.

4.1.4 Location wise Current Status of KKH-01

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

Table 4.5: Location wise Status (KKH-01)

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

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

4.2.1 General Contract Data of KKH-02

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

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

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

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

4.2.2 Progress Status of KKH-02

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

Table 4.7: Progress of KKH-02 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-KKH-02	11.5	48.2	2.6	5.53	0.25	38.2	2.9

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

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

4.2.3 Major Activities of KKH-02

The major construction activities undertaken during this month were:

- Excavation and blasting work is in progress on main alignment of KKH-02 at K24+800, K26+370-700, K31+910-970, K33+270-400, K42+350-380, K46+240-300.
- New access road is in progress at K36, K40 for gobbar tunnels and bridge (both faces).
- Work has been stopped at K29 due to weak geology and at K44 (both sides) due to SMR package.

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

4.3.1 General Contract Data of RAR-01

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

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

Item	Data
Contract Number	ICB No. DASU-RAR-01
Contract Name	Construction of Right Bank Access Road (Komila- Dam Site)
Contractor	China Civil Engineering Construction Corporation (CCECC)
Contract Agreement Signed	March 16, 2015
Commencement Date	Aug 24, 2015
Contract Price	PKR 2,713,972,595/-
Time of Completion	364 Days
Contract Completion Date	Aug 22, 2016
Extension of Time	1424 days
Revised Completion Date as per EOT	Jul 16, 2020 (EOT-3) Up to K9 only
Construction Supervision Consultant (CSC)	Dasu Hydropower Consultants

4.3.2 Progress Status of RAR-01

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

Table 4.9: Progress of RAR-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-RAR-01	92.3	157.0	98.8	-	0.10	100.0	98.9

- Gantt chart and S-Curves are shown in Figure-11 & 12 respectively.
- The Construction Schedule for Kamila bypass agreed with the Engineer. The Contractor shall submit interim EoT-4

4.3.3 Major Activities of RAR-01

The major activities undertaken during this month were:

Construction Activities

- Excavation work, drilling and blasting work, boulder blasting etc at middle and end portion of Komila bypass in progress.
- Slope cutting from catch point around K0+400 to K0+600 in progress.
- Excavation for road around K1+200, drilling and blasting around K2+200 end section Komila Bypass in progress.
- Sub grade preparation i.e levelling etc from K1+500 to K1+750 & end of bypass in progress.
- Laying of sub base from K1+450 to K1+750 in progress and completed.
- Embankment filling in Nullah for causeway around K1+350 in progress and completed.
- Granular backfilling at causeway rip rap area in progress and completed.
- Concrete for causeway cutoff wall K1+356 (L/S) in progress and completed.
- Lean concrete for causeway slab at K1+356 (L/S) in progress and completed.
- Concrete for causeway cutoof wall & slab (R/S) K1+356 in progress and completed.
- Lean & A1 concrete for causeway slab at K1+356 R/S in progress and completed.
- Granular & stone dust backfilling behind the completed R/walls in progress.
- Breast wall stone masonry around k0+650 to K0+850 in progress.

NOTE:

- **Huge Land Slide occurred at Komila Bypass start section dated April 01, 2023.**
- RAR-01 project, Asphalt work is completed on Jan 30, 2022.
- From K0 to K9 work completed and Taking over certificate issued to Contractor up to K9 on dated November 26, 2021 with effect from July 25, 2021.
- From K9 to end of project work completed and second (2nd) TOC-Taking over certificate issued to Contractor up to K12 on dated July 26,2022 with effect from April 26,2022.
- Combined Taking over Certificate for the original scope of works (RAR-01 Project) issued August 03, 2022.

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

4.4.1 General Contract Data of RAR-02

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

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

Item	Data
Contract Number	ICB No. Dasu-RAR-02
Contract Name	Construction of Right Bank Access Road (Dam Site to Uttar Gah)
Contractor	China Gezhouba Group Co. Ltd. [CGGC]
Contract Agreement Signed	Jan 18, 2017

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	23.6	98.5	1.7	1.00	0.25	99.5	1.9

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

- S-Curves of DASU-RAR-02 is shown in Figure-13

4.4.3 Major Activities of RAR-02

The major construction activities undertaken during this month were:

- Excavation and blasting work from K13+370 to K13+800 suspended for two months from 08 of April due to hinderence of access road by MW-01 contractor.
- Cable crossing work at K20 is almost done.
- Work at seer gayal access road has been stopped by locals on 17th of March due to the non-payment of houses in reservoir area.
- The contractor is working on K34+250 & K36 both faces on kandian site.
- Work at K32+650, K33+300 and K35 has been stopped by locals due to SMR package.
- Request for removal of houses inside and below the RAR-02 has been forwarded to the Employer.

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	90.0	165.0	92.2	-	0.25	100.0	92.4

- Gantt chart and S-Curves are shown in Figure 14 and Figure 15, respectively.

- The Contractor shall submit updated schedule to PM for review and prepare interim EoT-04 for approval

4.5.3 Major Activities of TL-01

Diesel Power Plant

- Construction of 6MVA Diesel Power Plant at Uchar and installation of Generator for crushing and batching plant is being supervised by TL-01 section. All the Diesel Generators will be commissioned by 31st May, 2023.

Activities carried during the month:

- Excavation/cutting of access road to Grid Station is in progress.
- Breast wall at Alignment-2 of access road is in progress.
- Fencing work of switchyard is in progress.
- Installation of Panels in Control room and 11KV switch gear room are in progress.
- Installation of 132KV switch gear equipment on both the terraces is in progress.
- Cable trenches on terrace-1 is in progress.
- Stringing activity from T-86 to T-87 is completed.

Overall completed activities:

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

Table 4.14: Tower Wise Status of Line Work

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
1	NTDC-1	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The NTDC's Contractor could not drill for pile foundation of tower NTDC-1 and left the site.
2	NTDC-2	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
3	NTDC-3	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
4	NTDC-4	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
5	NTDC-5	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
6	NTDC-6	JKD	Completed	Completed	Completed	Completed	Completed	Not started	
7	T-37	JKD	Not started	Not started	Not started	Not started	Not started	Not started	The Employer instructed the Contractor to carryout the design work for JKD towers. However, the Contractor mobilized his team for subsoil investigation but the landowners stopped the work.
8	T-38	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
9	T-39	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
10	T-40	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
11	T-41	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
12	T-42	JKD	Not started	Not started	Not started	Not started	Not started	Not started	
13	T-43B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
14	T-44B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
15	T-45A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
16	T-46A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
17	T-47A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
18	T-48A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
19	T-49A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
20	T-50A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
21	T-51A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
22	T-52	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
23	T-53	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Completed	
24	T-54	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
25	T-55A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Completed	
26	T-56A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
27	T-57A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
28	T-58A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
29	T-60A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
30	T-61A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
31	T-62A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
32	T-63A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
33	T-64A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
34	T-65A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
35	T-66A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
36	T-67A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Completed	
37	T-67M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
38	T-68A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
39	T-68M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
40	T-69A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
41	T-70A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
42	T-71A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
43	T-71M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								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		

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								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	Completed	
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	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
78	T-104A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
79	T-105	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
80	T-106	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
81	T-107	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
82	T-108	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
83	T-109A	ED-24	Completed	Not started	Not started	Not started	Not started		
								Not started	
84	T-110A	EG-24	Completed	Not started	Not started	Not started	Not started		
								Not started	
85	T-111A	ED-24	Completed	Not started	Not started	Not started	Not started		
								Not started	
86	T-113B	EG-24	Not started	Not started	Not started	Not started	Not started		
								Not started	
87	T-115A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
88	T-115M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
89	T-116A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
90	T-119A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
91	T-120	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
92	T-121A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
93	T-122A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
94	T-123A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
95	T-124A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
96	T-125A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
97	T-126B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
98	T-127B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
99	T-128B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
100	T-129A	ED-24	Completed	Not started	Completed	Completed	Not started		
								Not started	
101	T-130A	ED-26	Completed	Not started	Not started	Not started	Not started		
								Not started	
102	T-131B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
103	T-132B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
104	T-133A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
105	T-134A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
106	T-135A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
								Not started	
107	T-136A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
108	T-137	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
109	T-138B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
110	T-139A	ZM-30 Standard	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
111	T-140	ZM-30 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed	Not started	
112	T-141A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
113	T-142B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
114	T-143A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
115	T-144A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
116	T-145B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
117	T-146A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
118	T-147B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
119	T-148A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
120	T-149A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
121	T-150A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
122	T-152	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
123	T-153A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Not started	
124	T-154A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Not started	
125	T-155B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
126	T-156B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
127	T-157A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
128	T-158B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
129	T-159A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
130	T-160A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
131	T-161B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
132	T-162A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed	Completed	
133	T-163A	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	
134	T-164B	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed	Completed	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

S.no	Tower	Type	Excavation	Grounding	Concrete	Backfilling	Errection	Stringing	Remarks
135	T-165A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
136	T-166A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
137	T-167A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
138	T-168B	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
139	T-169B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
140	T-170B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
141	T-171A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
142	T-172	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
143	T-173A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
144	T-174	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
145	T-175A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
146	T-176A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
147	T-177B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
148	T-178A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
149	T-179B	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
150	T-180A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
151	T-181A	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
152	T-181M	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
153	T-182	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
154	T-183	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
155	T-184	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
156	T-185	ZM-30 Standard	Completed	Completed	Completed	Completed	Completed		
								Not started	
157	T-186	ZM-30 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
158	T-188A	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Completed	
159	T-189A	ZM-60 Standard	Completed	Completed	Completed	Completed	Completed		
								Completed	
160	T-190B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Completed	
161	T-191B	ZM-60 Modify	Completed	Completed	Completed	Completed	Completed		
								Not started	
162	T-192A	ZM-60 Modify	Completed	Value is above 10 ohm	Completed	Completed	Completed		
								Not started	
163	T-193A	ZM-30 Standard	Completed	Completed	Completed	Completed	Not started		

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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

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

Table 4.15: Overall Summary of Major Activities of Transmission Line

No.	Description	Already Completed upto Previous Month	Completed in this Month	In Progress	Completed up to this Month	Remarks
1	2	3	4	5	6=3+4	7
A	Transmission Line					
1	Excavation/Cutting of tower foundation	172	0	0	172	
2	Concrete of tower foundation	168	0	0	168	
3	Backfill of tower foundation	168	0	0	168	
4	Tower Erection	156	0	0	156	
5	Stringing (Spans)	59	1	1	60	
B	Grid Station					
1	Foundation concrete of switch gear in Grid Station is in progress.					

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

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

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

Table 4.17 Materials on Site

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

4.5.4 Location wise Current Status of TL-01

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

Table 4.18 Location wise Status (TL-01)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	T37,T38, T39,T40, T41,T42, T109A, T110B, T113B, T129A, T130A, T-200A & T-201A, T173A to T175A & T184 to T186.			The Employer instructed the Contractor to carryout the design work for JKD towers (T-37 to T-42). However, the Contractor mobilized his team for subsoil investigation on the said towers but the landowners stopped the work. The Landowner has stopped the work at T-109A and T-110B demanding tree compensation for T-109A. The landowner wants to carry out the construction activities of T-113B by themselves but demanding high price for foundation work. The Landowner has stopped erection work on T-129A and claiming that he has balance payment which was agreed by Employer's representative in respect of preparing place for material storage at tower location. The Landowner has stopped the work on T-130A and demanding tree compensation amount. The Land owner of T-200A and T-201A stopped erection work demanding for compensation of repairing the drain below these towers which was damaged during foundation work. The Landowners have stopped stringing activity from T-173A to T-175A & T-184 to T-186 demanding for amount of tree compensation.		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	70.3	62.2	20.4	2.18	0.45	43.8	20.8

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

4.6.3 Major Activities of MW-01

Major construction activities and progress are summarized below:

4.6.3.1 Preparatory Works

(1) Contractor's Camp

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

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

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

- Stone Masonry for Retaining Wall-78%

(2) Steel Truss Bridge at Seo

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

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

- Fencing Wall- 100%
- Construction of Generator's house- 100%
- Installation of generator system started on March 23, 2023 and all three Generator installation completed on End of May.

(4) Aggregate Storage at CR9 Area

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

(5) Additional Measures for Security Enhancement

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

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

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

(7) Suspension of Construction Activities inside Diversion Tunnel

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

(8) Temporary Causeway crossing Uchar Nullah

- Temporary Causeway Construction at Uchar Nalluh started on April 19, 2023 and completed at End of April.

4.6.3.2 Diversion Tunnel

(1) Excavation of Diversion and Adit Tunnels

i) Adit Tunnels

- 3# Adit tunnel underground excavation completed (804.3m) on April 2, 2020.
- 1 Adit tunnel work started from Dec 7, 2018 and completed at 804.6 m on April 18, 2021.
- 3-1# Adit tunnel underground excavation (244m) was completed on December 13, 2020.
- Adit Tunnel 3-2 (223m) started on November 28, 2022 and completed on Feb 6, 2023.

ii) Diversion Tunnels

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

River was diverted through Diversion Tunnel A on April 15, 2023 and the Inlet Dyke of Diversion Tunnel A was removed up to the El. 774.00m

➤ **Open Excavation of Inlet Structure**

Diversion Tunnel A

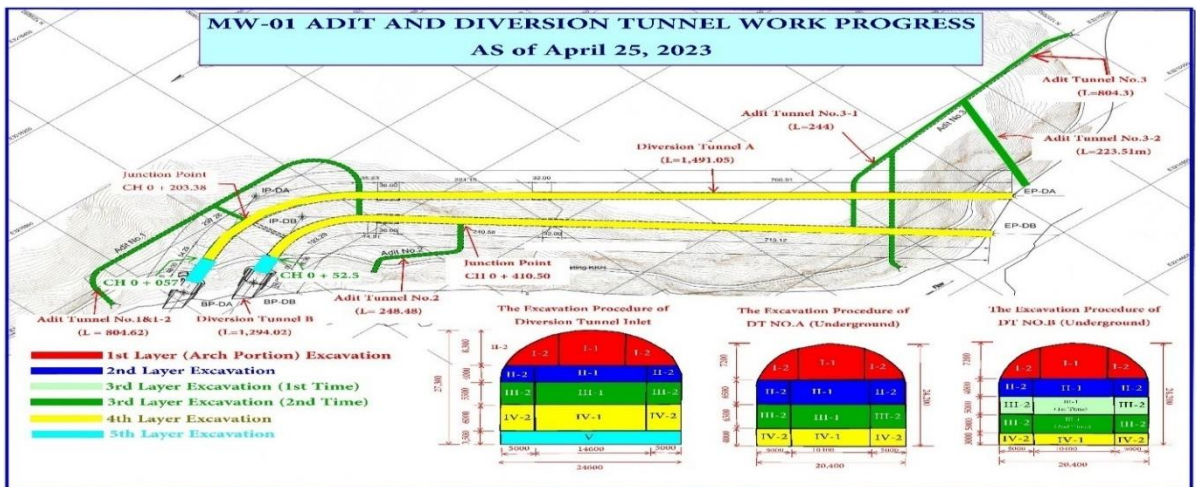
43,620/43,620m³ (100%) open excavation completed at the end of December 2020.

Diversion Tunnel B

41,395/41,395m³ (100%) open excavation started on April 2, 2019 and completed on completed at the end of December 2020.

➤ **Underground Excavation of Diversion Tunnel**

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



Diversion Tunnel A

Underground excavation for Diversion Tunnel No. A was started on August 9th, 2019 and completed on March 7, 2023. 712,768m³/ 712,768m³ (100%).

Diversion Tunnel B

Underground excavation for Diversion Tunnel No. B was started on May 30th, 2019 and completed on January 28, 2023. 623,515m³/ 623,515m³ (100%).

(2) Concrete Work of Diversion and Adit Tunnels

Diversion Tunnel A

1) Inlet Structure Works (Outside)

- 17,940m³ / 18,200m³ (98.57%) completed till end of March, 2023. The concreting works before the river diversion is completed at the Inlet Structure Outside

2) Inlet Lining Works (Inside)

- Concrete Works: 10,444m³ / 10,444m³ (100%) completed on March 18, 2023.

3) Invert Levelling Concrete (C20)

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

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

4) 1m Invert Structural Concrete (A25)

- L/S- 1411.55m / 1,411.55m (100%)

- R/S- 1411.55m/1,411.55m (100%)

5) Outlet Structure Works

- Concrete Works: 1,926m³ / 1,926m³ (100%) completed on June 2nd 2022.

Diversion Tunnel No. B

1) Inlet Structure Works (Outside)

- 17,940m³ / 17940m³ (100%) completed till end of March, 2023. The concreting works before the river diversion is completed at the Inlet Structure Outside

2) Inlet Lining Works (Inside)

- Concrete Works: 10,444m³ / 10,444m³ (100%) completed on March 18, 2023.

3) Shear Zone Area

- Concrete Works: 9,004m³ / 9,004m³ (100%) started on March 13, 2022 and completed on December 16, 2022.

4) Invert Levelling Concrete (C20)

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

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

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

5) 1m Invert Structural Concrete (A25)

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

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

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

6) Outlet Structure Works

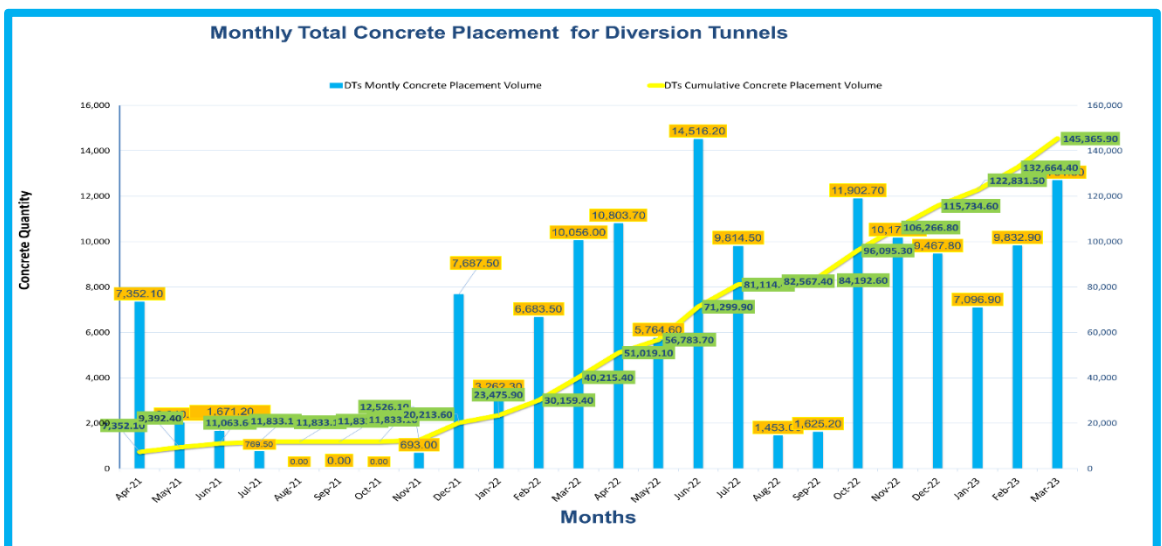
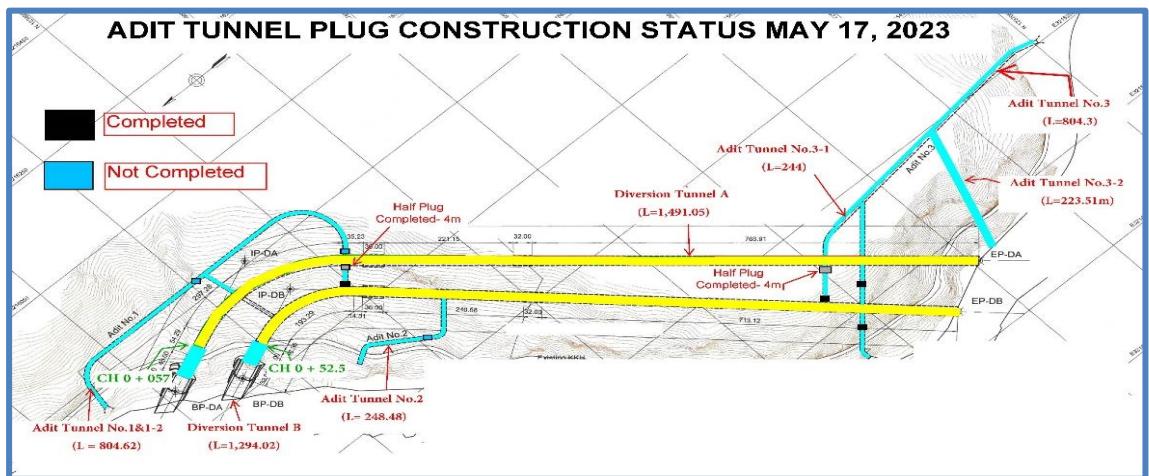
- **Concrete Works:** 1829.20m³/ 1829.20m³ (100%) started on May 7, 2021 and completed on May 9, 2022.

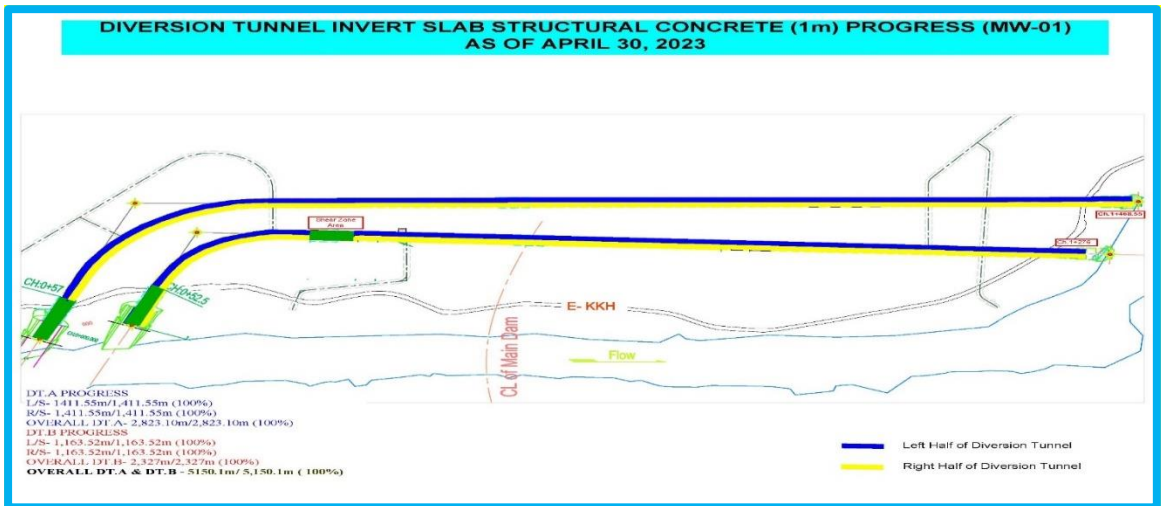
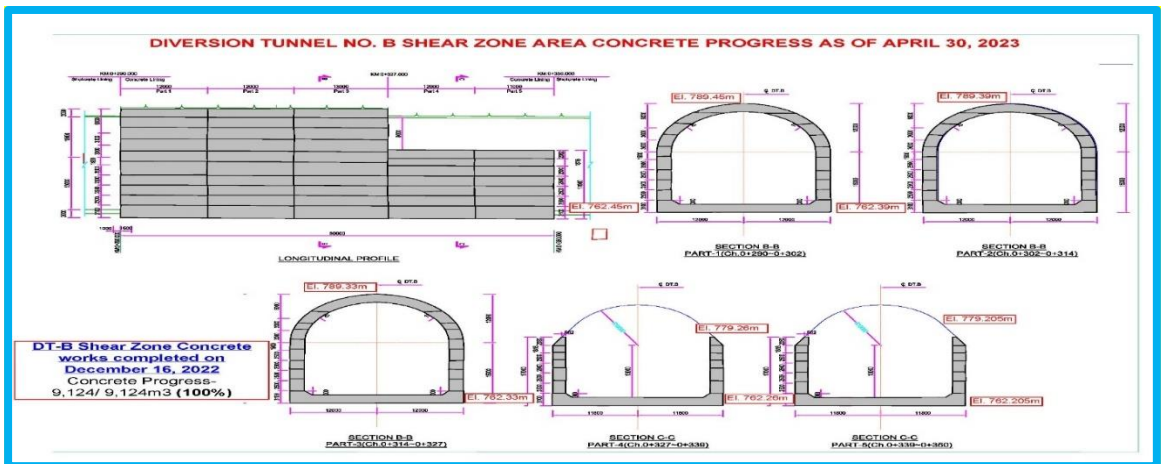
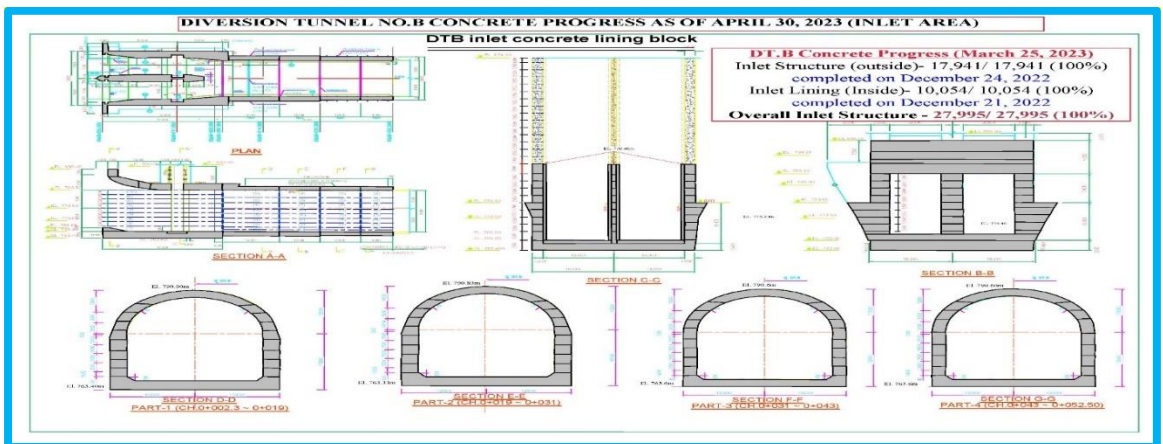
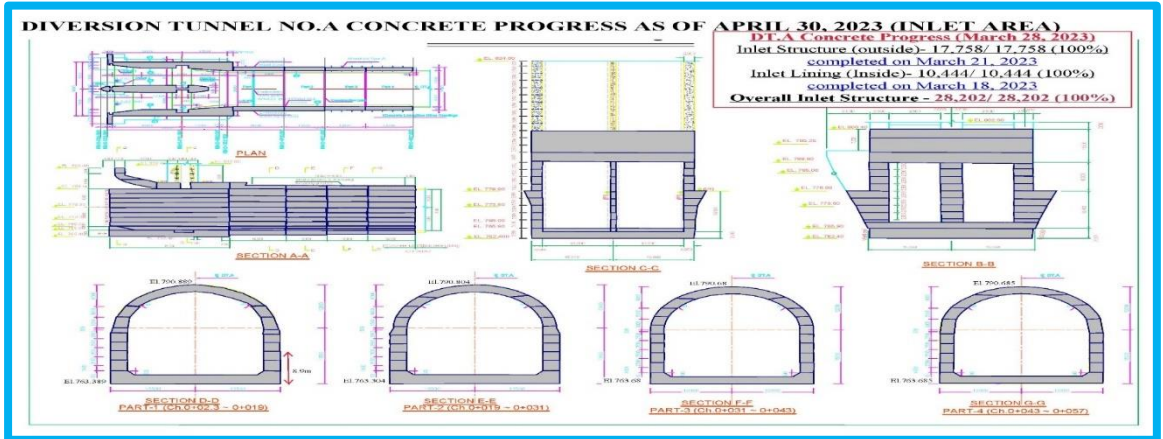
- **Additional Concrete:** Additional concrete at DT.B outlet wall started on January 16, 2023 and completed on Jan 28, 2023. Total Quantity poured was 358 / 358m³ (100%).

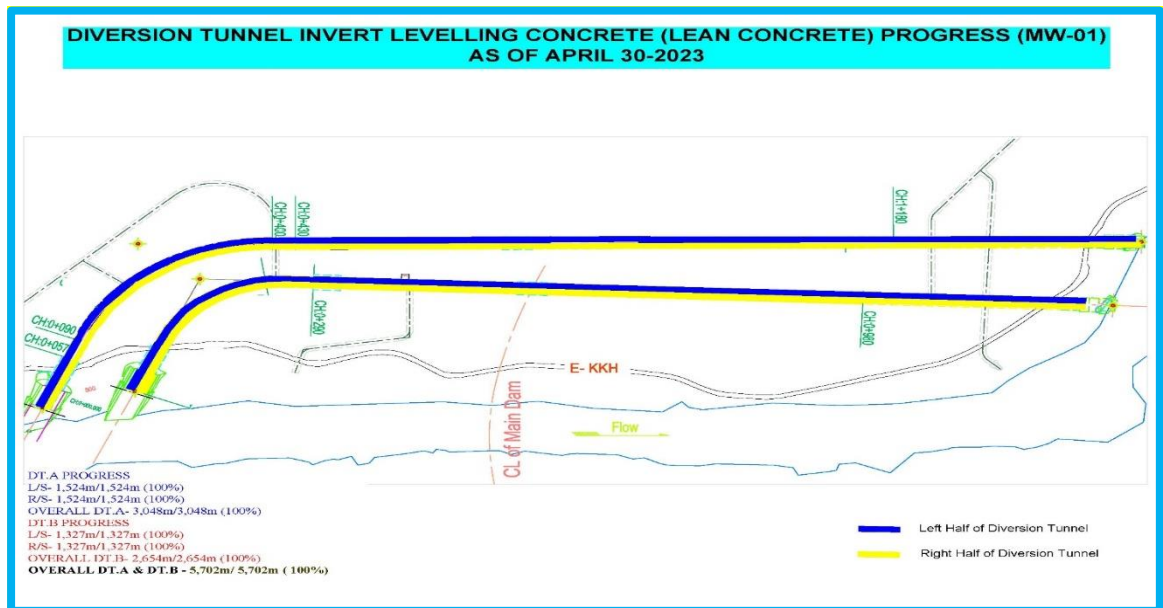
7) Adit Plug Concrete

- **Concrete Works:** 1065.40m³/ 1647m³ (65%) completed till end of April, 2023.

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







(3) Inlet dyke

- Concrete: completed on July 4, 2019.
- Permeability test around the inlet dyke started on January 29, 2020.
- Concrete Pouring for remaining Inlet Dyke completed during the month of May, 2022.
- Some Part of Inlet Dyke in front of Diversion Tunnel No. A was removed for making platform for the Construction of Inlet Structure Slab.
- Inlet dyke in front of Diversion Tunnel No. B was removed from El. 788m to El. 776m. 4 No. of blasts carried out on January 31, 2023, 12th, 13th & 16th February, 2023 to remove DTB Inlet Dyke.
- Inlet Dyke Infront of Diversion Tunnel A was removed up to the El. 774.00
- After the diversion of river through DTA, the water level at the DTB Inlet Dyke is low so the Contractor started to prepare the access to the DTB Inlet Dyke for the further downside excavation

(4) Diversion Tunnel Outlet Dyke

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

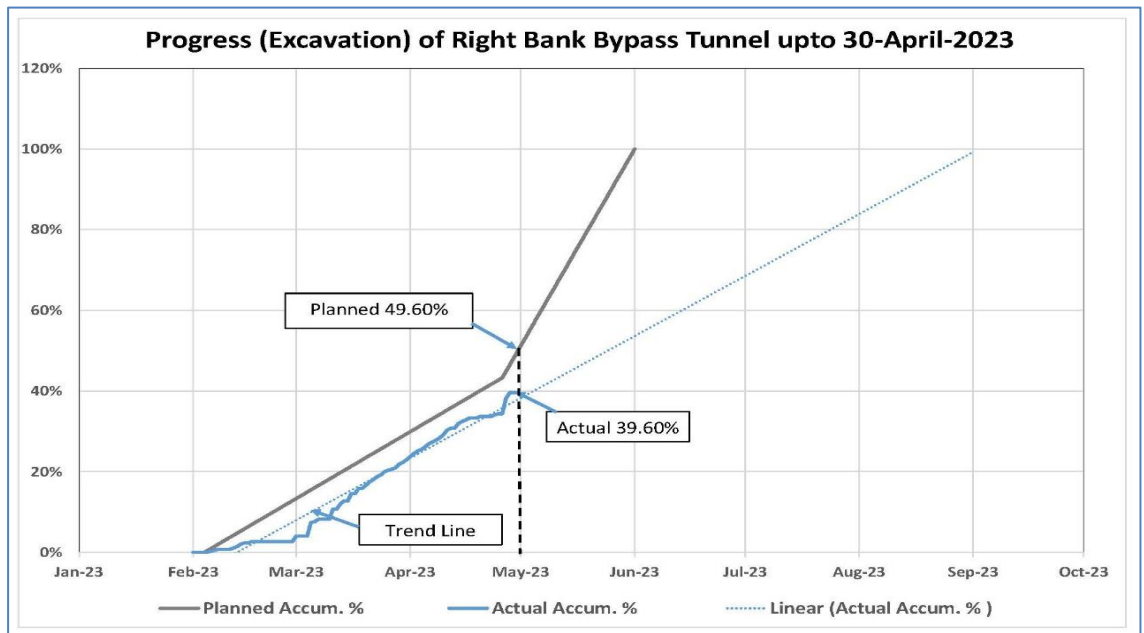
(5) Right Bank Bypass Tunnel on the right bank

First stage Excavation

- 1st U/G Blast at Inlet carried out on February 4, 2023 at Ch. 0+025m and progress up to Ch. 0+172.50m (147.50m) till end of April, 2023.
- 1st U/G Blast at outlet carried out on February 14, 2023 at Ch. 0+528m and progress up to Ch. 0+409m (119m) till end of April, 2023.
- Total underground 1st stage excavation progress is 266.50m/503m (53%) till April, 23.

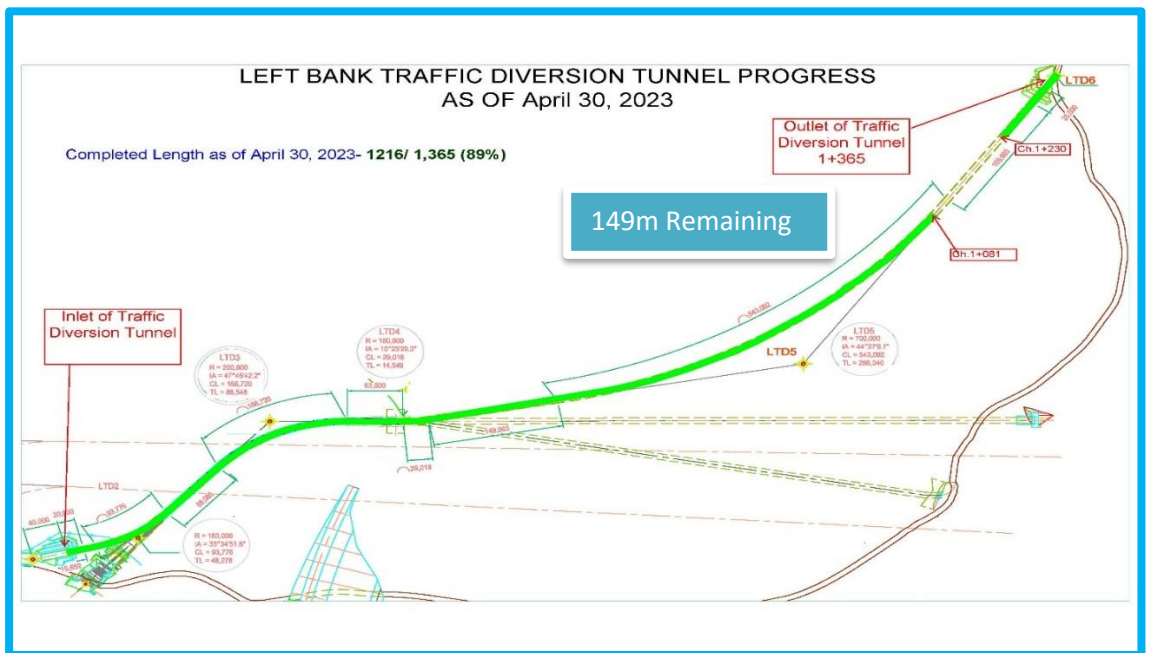
Second stage Excavation

- 1st U/G Blast at Inlet carried out on April 21, 2023 at Ch. 0+025m and progress up to Ch. 0+070m (45.0m) till end of April, 2023.
- 1st U/G Blast at outlet carried out on April 21, 2023 at Ch. 0+528m and progress up to Ch. 0+504m (24m) till end of April, 2023.
- Total underground 2nd stage excavation progress is 69m/ 503m (13.17%) till April, 2023.
- Overall Excavation for Right Bypass Tunnel Completed till end of April- 2023- 39.60%



4.6.3.3 Left Bank Traffic Diversion Tunnel

- Underground Excavation from U/S started on April 1, 2021 and progressed up to 1081.40m till end of April, 2023.
- Underground Excavation from D/S started on December 15, 2022 and progressed up to Ch. 1230.50 (135m) till end of April, 2023.
- Total U/G Excavation Progress – 1216m/1,365 (89%)



4.6.3.4 Main Dam

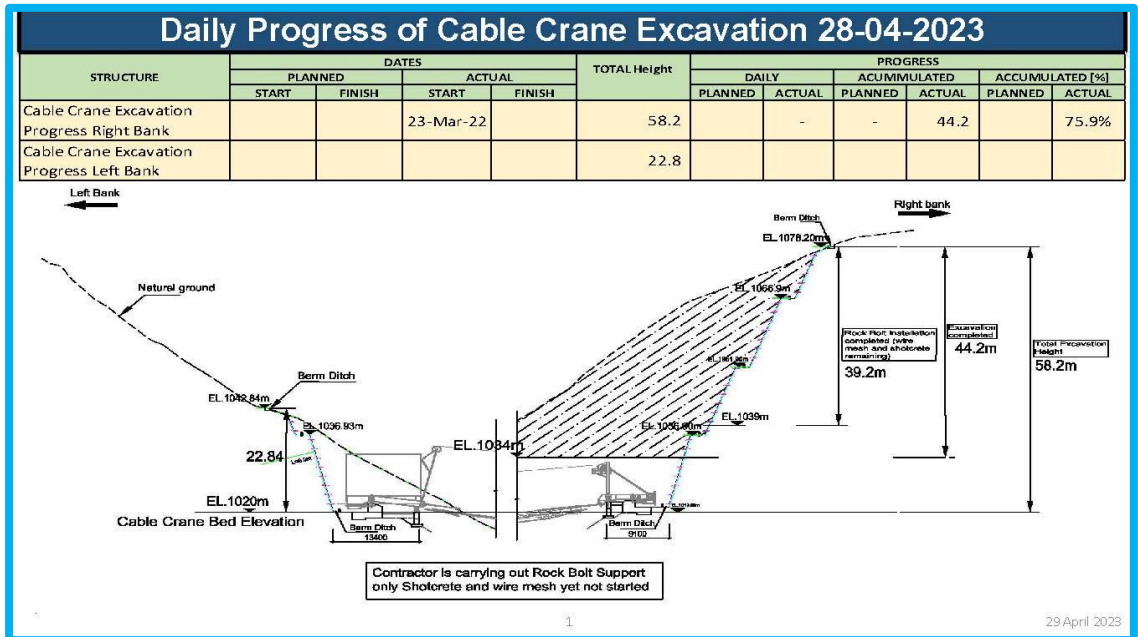
The following works related to the construction of Main Dam are in progress.

(1) Right Bank Abutment (Siglo Area)

- U/S Temporary Access Road Construction- 70%
- D/S Temporary Access Road Construction- 79%
- Excavation and support of Right Bank Cable crane Platform above El. 1065m- 75%
- Excavation and support of Right Bank Cable crane Platform slope El. 1065m to El. 1050m- 72%
- Excavation and support of Right Bank Cable crane Platform slope El. 1050m to El. 1035m- 75% (Now El. 1034m)

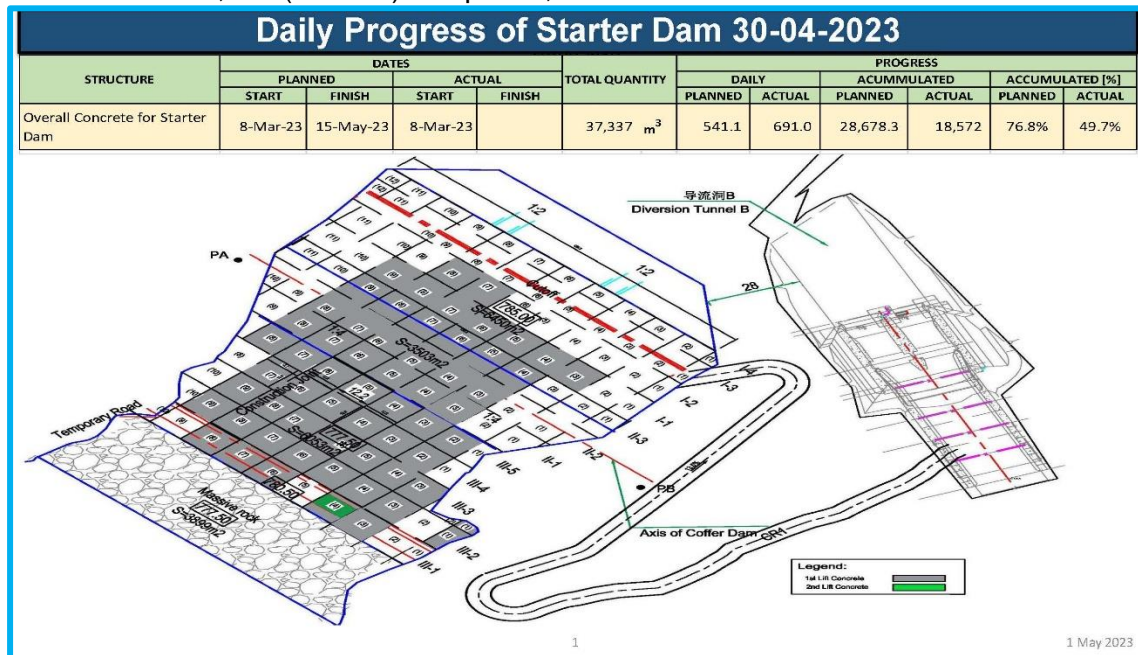
(2) Left Bank Abutment

- Excavation of the second layer of CR5-2 Road (1032~1018)- 100%
- Left Bank Cable Crane Platform Excavation 20%



4.6.3.5 Upstream Starter Dam Concrete Works

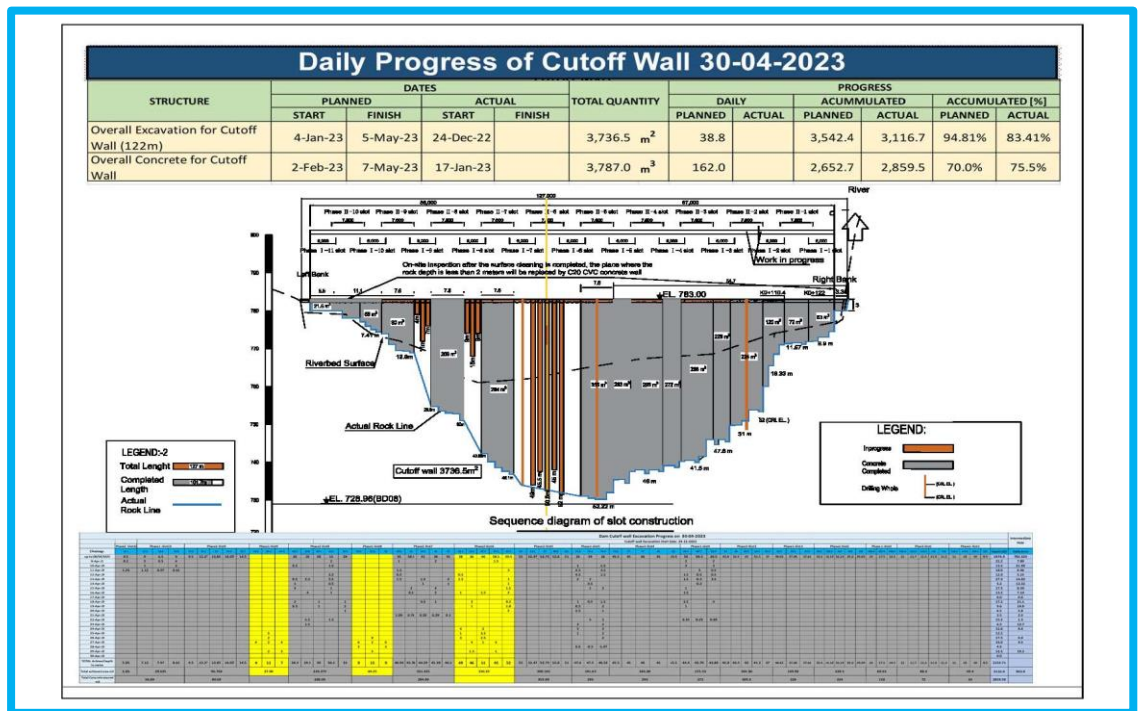
- Concrete works of U/S Starter Dam started on March 8, 2023 and progress is 18572.00m³/ 37,337 (49.70%) till April 30, 2023.



(1) Cut-off Wall

- Cut-off Wall Drilling started on December 24th, 2022 from the right side and remained continued during the month of January-2023. Drilling progress achieved 3116.70m² /3736.50m² (83.40%) till April 30, 2023.
- Concrete pouring for Cut off wall started on January 17, 2023 and progress is – 2859.50m³/ 3787.00m³ (75.50%) till April 30, 2023
- Concrete pouring for the Guide wall of the Cut-off wall started on Dec 3rd, 2022- 122m/122m (100%) completed at end of March, 2023.

Note: The current excavation and concrete quantities are modified as per the actual rock line established after the completion of borehole investigation. The borehole investigation completed in the month of April 2023. The Quantities mentioned in this report are based on the actual rock line



4.6.4 Location wise Current Status of MW-01

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

Table 4.21 Location wise Status (MW-01)

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
1	CR2, CR1	Diversion tunnel inlet access road CR-1 & CR2 100% completed. Reinforcing of KKH retaining wall completed Slope protection of CR-1 along KKH completed Sedimentation tank around Adit Tunnel No. 1 & 2 completed.	Existing CR2 Eroded during flood on August 16, 2022. The Contractor recovered the CR2 road after the flood.			
2	Uchar Nallah Water Inlet	Installation of water supply pipe until dam site 100% completed on June. Intake structure 100% completed on June.	Construction of Cause way at Uchar Bridge Location remained in progress during the month of March.	No bridge available for the local traffic		The Contractor (CGGC) shall be requested for construction of bridge if FWO refuse.
3	Barseen camp	Dormitory & canteen housing finished.				
4	Pakistani Camp	Foundation Leveling: 100% Dormitory buildings : 100% , (8 dormitory houses, 1 Mosque and 1 canteen)	Backfilling and levelling work after the flood for uchhar Local Labor Camp remained continued during the month of October.			
5	Uchar Chinese Labor Camp	Construction of Prefabricated house: 100% Concrete Placement: 100% Fencing Wall: 100%	Backfilling and levelling work after the flood for uchhar Chinese Labor Camp remained continued during the month of October.			
6	Diversion Tunnel	1-1# Adit tunnel was completed on August 8, 2019. Adit Tunnel 1. Sedimentation pond started operation on October 15, 2019 1-2# Adit tunnel work started from 23 rd September and completed at 804.6 m on April 18, 2021. 2# Adit tunnel underground excavation finished at the end of May. Sedimentation pond operation was started on August 6, 2019. 3# Adit tunnel underground excavation completed on 2nd April 2020.	Diversion Tunnel Diversion Tunnels Indus River closed on February 20, 2023 and river was diverted through Diversion Tunnel No. B. Inlet Dyke in front of Diversion Tunnel No. B was removed up till El. 775m. Concrete Work of Diversion and Adit Tunnels Diversion Tunnel A Inlet Structure Works (Outside) - 17,758m ³ / 21,515m ³ (82.53%) completed till end of March, 2023. Inlet Lining Works (Inside) - Concrete Works: 10,444m ³ / 10,444m ³ (100%) completed on March 18, 2023.			

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		<p>3-1# Adit tunnel underground excavation (244m) was completed on December 13, 2020.</p> <p>AdIT Tunnel No.3-2</p> <ul style="list-style-type: none"> - Adit Tunnel 3-2 (223m) started on November 28, 2022 and completed on February 6, 2023. <p>Sedimentation pond operation was started on August 8, 2019. Retaining wall and backfill was completed during July.</p> <p>Diversion tunnel A Inlet Surface Excavation</p> <p>Excavation: 43,620/43,620m³ (100%) open excavation completed at the end of December 2020.</p> <p>Diversion tunnel B inlet surface excavation</p> <p>Excavation: 41395/41395 m³ (100%) open excavation completed at the end of December, 2020.</p> <p>Underground Excavation of Diversion Tunnel</p> <p>Diversion Tunnel A</p> <p>Underground excavation for Diversion Tunnel No. A was started on August 9th, 2019 and completed on March 7, 2023. 712,768m³/ 712,768m³ (100%).</p> <p>Diversion Tunnel B</p> <p>Underground excavation for Diversion Tunnel No. B was started on May 30th, 2019 and completed on January 28, 2023. 623,515m³/ 623,515m³ (100%).</p> <p>Inlet dyke</p> <p>Concrete: completed on July 4, 2019.</p> <p>Temporary facilities (Diversion tunnel outlet side)</p> <p>Air supply station 100%</p> <p>Power station 100%</p> <ul style="list-style-type: none"> • Diversion Tunnel Outlet dyke Construction Works • Concrete Works: for DT-A 100% completed on June 11, 2021 • for DT-B 100% completed on June 13, 2021 • Reconstruction of DT Outlet Dyke- A Dyke completed on June 13, 2022 • Reconstruction of DT-B Dyke completed on June 6, 2022 <p>DT-A Outlet Structure Concrete Works</p> <ul style="list-style-type: none"> • Concrete Works: 1926m³ / 1926m³ (100%) completed on June 2nd, 2022. <p>DT-B Outlet Structure Concrete Works</p> <ul style="list-style-type: none"> • Concrete Works: 1829.20m³/ 1829.20m³ (100%) completed on May 9th, 2022. <p>DT.B Inlet Lining Works (Inside)</p> <ul style="list-style-type: none"> • 10,054m³ / 10,054m³ (100%) completed on 21st December, 2022. <p>DT.B Shear Zone Area</p> <ul style="list-style-type: none"> • Concrete Works: 9,004m³ / 9,004m³ (100%) completed on 16th December, 2022. <p>DT.B Inlet Structure Works (Outside)</p> <ul style="list-style-type: none"> - 17,941m³/ 17941m³ (100%) completed till end of February, 2023. <p>DT.B Inlet Lining Works (Inside)</p> <ul style="list-style-type: none"> • 10,054m³ / 10,054m³ (100%) started on November 24, 2021 	<p>Invert Levelling Concrete (C20)</p> <ul style="list-style-type: none"> - L/S- 1,427m / 1,524m (97%) - R/S- 1,524m/1,524m (100%) <p>1m Invert Structural Concrete (A25)</p> <ul style="list-style-type: none"> - L/S- 1,296m / 1,411.55m (92%) - R/S- 1,387m/1,411.55m (98%) <p>Outlet Structure Works</p> <ul style="list-style-type: none"> - Concrete Works: 1,926m³ / 1,926m³ (100%) completed on June 2nd, 2022. <p>Adit Plug Concrete</p> <ul style="list-style-type: none"> - Concrete Works: 891m³/ 1647m³ (54%) completed till end of March, 2023. 			

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
		and completed on 21 st December, 2022. DT.B Invert Levelling Concrete (C20) - L/S- 1,309m / 1,309m (100%) - R/S- 1,309m/1,309m (100%) Started on January 24, 2021 and completed on January 29, 2023. DT.B 1m Invert Structural Concrete (A25) - L/S- 1,163.52m / 1,163.52m (100%) - R/S- 1,163.52m/1,163.52m (100%) Started on April 26, 2022 and completed on February 3, 2023.				
7	Left Bank Traffic Diversion Tunnel	- Upstream Surface Excavation for Inlet Portal- 100% Excavation of the Slope for Outlet- 100% Support of the slope for outlet- 100% completed on December 14, 2022 Canopy tube drilling and installation- 100%	Left Bank Traffic Diversion Tunnel - Underground Excavation from U/S started on April 1, 2021 and progressed up to 1081m till April 30, 2023. - Underground Excavation from D/S started on December 15, 2022 and progressed up to Ch. 1230 (135m) till April 30, 2023. - Total U/G Excavation Progress – 1216m/1,365 (85%)	Instructed the contractor to enhance progress at upstream and downstream of LBTD in order to meet the working schedule		The Engineer repeatedly instructed the Contractor to expedite the work in Progress Review meetings.
8	Steel Truss Bridge at Seo	Steel Truss Bridge at Seo <u>Right side Abutment construction</u> - Foundation Grouting – 100% - Concrete placement – 100% <u>Left side Abutment construction</u> - Concrete placement – 100% - Bridge Installation- 100%	In operation			
9	Left Bank Abutment (Logro Area)	- Excavation of the first layer of CR5-2 Road- 100% - Slope Excavation-100% - CR5 Pool Construction-100%	- Left Bank Abutment - Left Bank Cable Crane Platform Excavation- 20%	Excavation for the cable crane slope protection is in progress , the excavation progress is slow due to the downside existing KKH road traffic safety hazards.		The Contractor was instructed to manage and resume this work.
10	Right Bank Abutment (Siglo Area)	- D/S Temporary Access Road Construction- 100% - Excavation and support of Right Bank Cable crane Platform above El. 1065m- 100%	Right Bank Abutment (Siglo Area) - U/S Temporary Access Road Construction- 70% - D/S Temporary Access Road Construction- 79% - Excavation and support of Right Bank Cable crane Platform above El. 1065m- 100% - Excavation and support of Right Bank Cable crane Platform slope El. 1065m to El. 1050m- 72% - Excavation and support of Right Bank Cable crane Platform slope El. 1050m to El. 1035m- 60% (Now El. 1034m)	Slow progress at Right Cable Crane excavation observed.		The Contractor was instructed to expedite this activity at every weekly progress meeting.
11	1# Batching Plant and 1# Crushing Plant at Uchar Area	- Civil and mechanical works completed for Batching and Crushing Plant at Uchar	1# Batching Plant and 1# Crushing Plant at Uchar Area - Fencing Wall- 100% - Construction of Generator's house- 100% - One generator installation has been completed and for the remaining 02 in progress	Improper gradation of course aggregate (high %age of elongated & flakiness particles)		The Manufacturer is trying to solve the gradation issue of course aggregate.
12	Diversion Channel on the Right Bank		No activity observed during the month of March, 2023.			
13	Uchar Tentative Crushing Plant (River side)	All civil works and installation of machines completed	In operation			
14	Tentative Batching Plant (at Logro)	All civil works and installation of machines completed	In operation			
15	Kass Camp	- Pool Construction-100 - Prefabricated house hoisting- 100% - Chinese Canteen- 100% - Installation of precast fence- 100%	The construction of Kass Main Camp is in progress. The status of the construction is as follows. - Stone Masonry for Retaining Wall- 78% - The Contractor has constructed on model check post in KASS camp, upon the completion of second check			

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

No.	Location	Works Completed	Current Status	Current Issues	Possible Further Issues	Action Currently Undertaken
			post the joint inspection will be done for approval.			
16	U/S Starter Dam	Right & Left bank fill road to U/S coffer dam- 100%	<p>Upstream Starter Dam Concrete Works</p> <p>Concrete works of U/S Starter Dam started on March 8, 2023 and progress is 18572m³/ 37,337 (49.70%) till April 30, 2023.</p> <p>Cut-off Wall</p> <ul style="list-style-type: none"> - Cut-off Wall Drilling started on December 24th, 2022 from the right side and remained continued during the month of January-2023. Drilling progress achieved 3116.70m² /3736m² (83.41%) till April 30, 2023. - Concrete pouring for Cut off wall started on January 17, 2023 and progress is – 2859.50m³/ 3787m³ (75.50%) till April 30, 2023 - Concrete pouring for the Guide wall of the Cut-off wall started on Dec 3rd, 2022- 122m/122m (100%) completed till end of March, 2023. 	The current excavation and concrete quantities are modified as per the actual rock line established after the completion of bore hole investigation. The bore hole investigation completed in the month of April 2023. The Quantities mentioned The Engineer issued the NCR - 48 &49 regarding the improper pouring of concrete at the upstream starter dam		The Contractor was instructed to expedite drilling of cut off wall
17	Right Bank Bypass Tunnel on the right bank		<p>Right Bank Bypass Tunnel on the right bank</p> <ul style="list-style-type: none"> - 1st U/G Blast at Inlet carried out on February 4, 2023 at Ch. 0+025m and progress up to Ch. 0+172.50m (147.50m) till end of April, 2023. - 1st U/G Blast at outlet carried out on February 14, 2023 at Ch. 0+528m and progress up to Ch. 0+409m (119m) till end of April, 2023. - Total underground 1st stage excavation progress is 266.50m/ 503m (53%) till end of April, 2023. - 1st U/G Blast at Inlet carried out on April 21, 2023 at Ch. 0+025m and progress up to Ch. 0+070m (45.0m) till end of April, 2023. - 1st U/G Blast at outlet carried out on April 21, 2023 at Ch. 0+528m and progress up to Ch. 0+504m (24m) till end of April, 2023. ➤ Total underground 2nd stage excavation progress is 69m/ 503m (13.17%) till end of April, 2023 	The Engineer instructed the contractor to first complete the 2 nd stage excavation completely on side with support work and then proceed further with excavation works After the 2 nd stage excavation , the ventilation duct shall be installed by the Contractor		
18	RCC Batching Plant at Siglo Area		No work observed during the up to April 15, 2023 due to local people stopped the work (land payment issue). On April 15, 2023 Contractor resumed the work for one day and then stopped by their own From April 25, 2023 again resumed the work but the local people again stopped the work	Local People stopped the work due to land payment issue.		The Employer is in negotiation with the locals for early solution of this issue.
19	RCC Crushing Plant at Siglo Area		No work observed during the month of March, 2023 due to local people stopped the work (land payment issue). On April 15, 2023 Contractor resumed the work for one day and then stopped by their own From April 25, 2023 again resumed the work but the local people again stopped the work	Local People stopped the work due to land payment issue.		The Employer is in negotiation with the locals for early solution of this issue.

4.6.5 Summary of Varied Works of MW-01

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

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

- Delaying of Handover of Allotted Area:

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

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

Table 4.22: Status of Variation Order by the Engineer

ID	Varied Works	Latest RFP	Contractor's Latest Proposal	Engineer's Assessment	Signed VO
VO-001	Construction Roads and Platforms for Diversion Facilities	06 Mar. 2020	20 Dec. 2021	30 Dec. 2021	16 Jan 2022 PKR 967 mil.
VO-002	Adit Tunnels for Diversion Facilities	17 Jul. 2019	20 Dec. 2021	31 Dec. 2021	16 Jan 2022 PKR 1,275 mil.
VO-003	River Diversion Tunnels	29 Sep. 2020	30 Oct. 2020	21 Jan. 2021	17 Nov 2021 PKR 19,805 mil.
VO-004A	Construction of LB Traffic Diversion Tunnel	12 Feb. 2021	20 Dec. 2021	20 Dec. 2021	16 Jan 2022 PKR 1,010 mil.
VO-005	Land Lease at Purana Gao-Seo Area Phase- 1	N/A	N/A	N/A	01 July 2020 PKR 81 mil.
VO-006	Provision of Power Supply to No.1 Crushing and Batching plant	N/A	N/A	N/A	26 Sep 2022 1772 mil.
VO-007	Diversion Gates & Hoists	14 Apr 2022	2 Jan 2023	N/A	N/A
VO-008	Permanent Access Roads and Construction Access Roads in Left Bank	1 September 2022	22 Feb 2023	N/A	N/A
VO-09A	Measures for Debris Flow related to the River Diversion Tunnel	28 Feb 2023	12 Mar 2023	N/A	N/A
VO-010	Revised Downstream Cofferdam	N/A	N/A	N/A	9 March 2023 PKR 302 mil.

4.6.6 Summary of Daily Work Records of MW-01

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

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

4.7.1 General Contract Data of MW-02

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

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

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

4.7.2 Progress Status of MW-02

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

Table 4.24: Progress of MW-02 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress during this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. Dasu-MW-02	70.3	65.1	8.9	1.73	1.16	54.6	10.1

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

Excavation Progress in the Month of April 2023				
Date	25/03/2023	26/04/2023	Excavated Length (m)	Remarks
Location	Chainage	Chainage		
STB	0+129	0+129	0+000	No Activity due to ventilation issues.
TRT-01 D/S	1+615	1+629	0+014	
TRT-01 U/S	1+553	1+538	0+016	
TRT-02 D/S	1+669	1+674	0+006	
TRT-02 U/S	1+623	1+606	0+017	
TRT-01	0+013	0+007	0+006	Slow Progress due to shifting of resources to MW-01
TRT-02	0+013	0+007	0+007	

4.7.3 Major Activities of MW-02

The major construction activities undertaken during this month were:

4.7.3.1 Preparatory Works

(1) Khushi Labour Camp

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

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

- A part of the Logro 1 area (0.53 ha) was handed over on 13th of March 2020.
- 1st Blasting of CR4 was executed on 17 March 2020.
- Pilot road excavation of CR4 Road was completed.
- Access road of Power Intake Protection Construction of Fence Platform for access road to Power Intake was commenced on 27th of October 2021.
- Slope protection works (wire mesh, shotcrete rock dowel) from Ch.0+070~0+240 was in progress.

(3) Permanent Access Road LD 7

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

(4) Khushi Batching Plant:

- The remaining part of LD7 (1.982ha) at Khushi area was handed over on 3rd March 2020.
- Contractor submitted document for new batching plant in Khushi was submitted on 19th of February 2020 and the Engineer replied with comments on 5th of March 2020.
- Civil works for aggregate storage area have been completed on 28th March 2021.
- Batching Plant of CR9 Area is Operational However Some reservations yet to be fulfilled by the Contractor as per the Engineer's instruction.

4.7.3.2 Underground Powerhouse Complex

(1) Main Access tunnel

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

(2) Main Access Platform

- Gravity Wall Type A: Substantially completed in 22nd September 2019 (949 m3 in total, 94% of design volume).
- Gravity Wall Type C: Substantially completed on 1st July 2019 (356 m3 in total)
- Leaning Retaining Wall Type III: Substantially completed on 20th June 2019 (791 m3 in total, 89% of design volume).
- Gravity Wall Type B: Not yet.

(3) Surge Chamber Vault Access Tunnel

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

(4) Service Tunnel A

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

(5) Service Tunnel C

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

(6) GIS Room Access Tunnel

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

(7) Service Tunnel B

- No excavation activity this month due to poor ventilation except drilling for weep holes.
- The excavation and supporting works were suspended due to lack of ventilation system.

- The excavation and supporting works were commenced on 15th May 2022.
 - The excavated chainage is 0+128.5m (38.86% of 330.64).
- (8) Exhaust Tunnel**
- Excavation and supporting works of the tunnel section were commenced on 14 March 2020, and completed on 8th September 2020 (217.26 m in total 100% of the total length of 217.26 m).
 - Excavation and supporting works of the vertical shaft were commenced on 26th October 2022 and completed on 15th February 2023.
- (9) Exhaust Vertical Shaft**
- The pilot excavation was commenced on 26-Oct-2022 and completed on 23-Nov-2022.
 - The enlargement was commenced on 03-Jan-2023 and completed on 15-Feb-2023.
- (10) Underground Powerhouse**
- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) commenced on the 23rd May 2020.
 - Pilot excavation was completed on 3rd February 2021.
 - I-2 Enlargement was completed on 5th June 2022.
 - I-3 Enlargement was completed on the 24th March 2022.
 - Excavation for 2nd Bench Commenced on 25 Sep. 2022 and completed on 28th of November 2022.
 - Total excavation volume up to the second bench is 66790.00 m3 out of total excavation volume of 378,570.46 m3, which is the progress of 17.34%
 - Installation of instrumentation was in progress.
 - During the month of April 2023, Support Works including PS Tendon installation was in progress for the overall Crown Portion

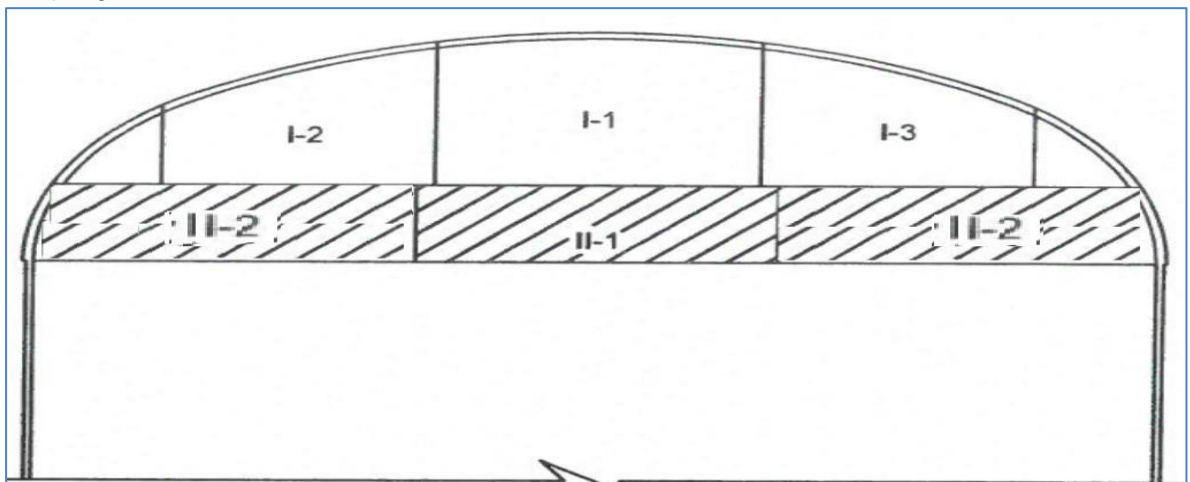


Figure: Section of Powerhouse Cavern 2nd Bench

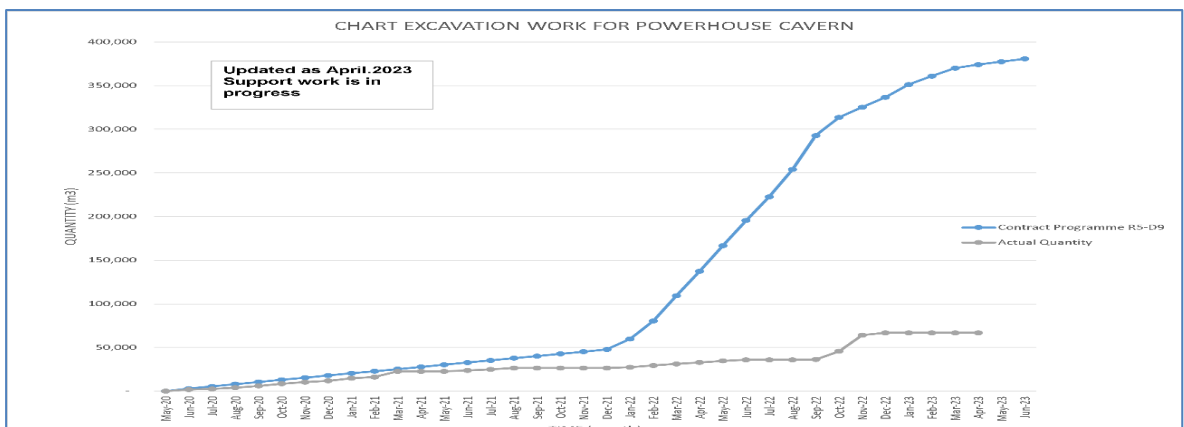


Figure Work Progress of Powerhouse Cavern 2nd Bench

(11) Underground Transformer Cavern

- Excavation of Bench 1 of Crown Portion (Pilot Tunnel I-1) was commenced on 4th June 20.
- Pilot excavation (I-1) was completed on 25th December 2021.
- I-2 Enlargement was completed on 12th June 2022.
- I-3 Enlargement was completed on 22nd July 2022.
- Excavation for 2nd Bench Commenced on 25th Sep 2022 and completed 23rd Nov 2022.
- Total Excavation Volume up to the second bench is 55,300.7m³ of total excavation volume of 234,829.30m³, which is the progress of **23.5%** in total.
- Trial tension test of PS Tendon with different bond length was completed 11th Nov 2022.
- Installation of PS Tendon was commenced on 23rd February 2023.
- The works of PS tendon for arch portion was in progress in the month April 2023.

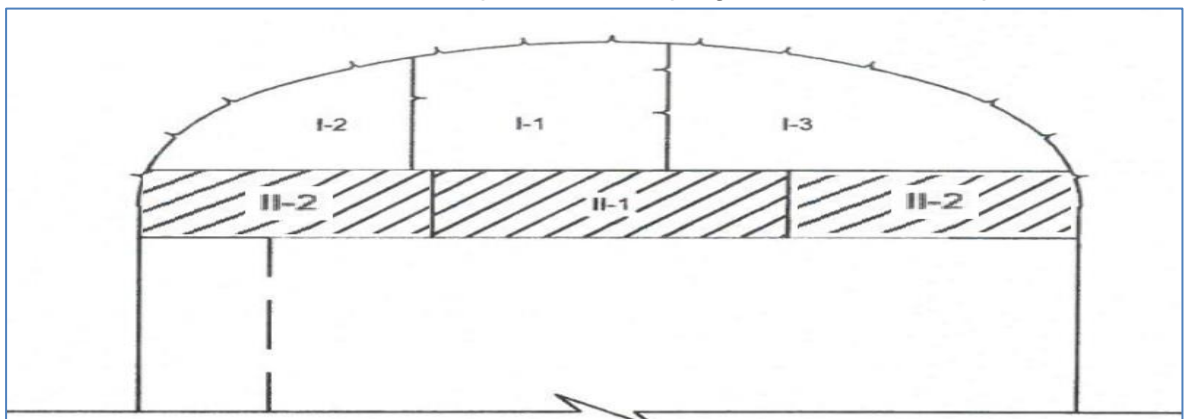


Figure: Section of Transformer/GIS Cavern Excavation 2nd Bench

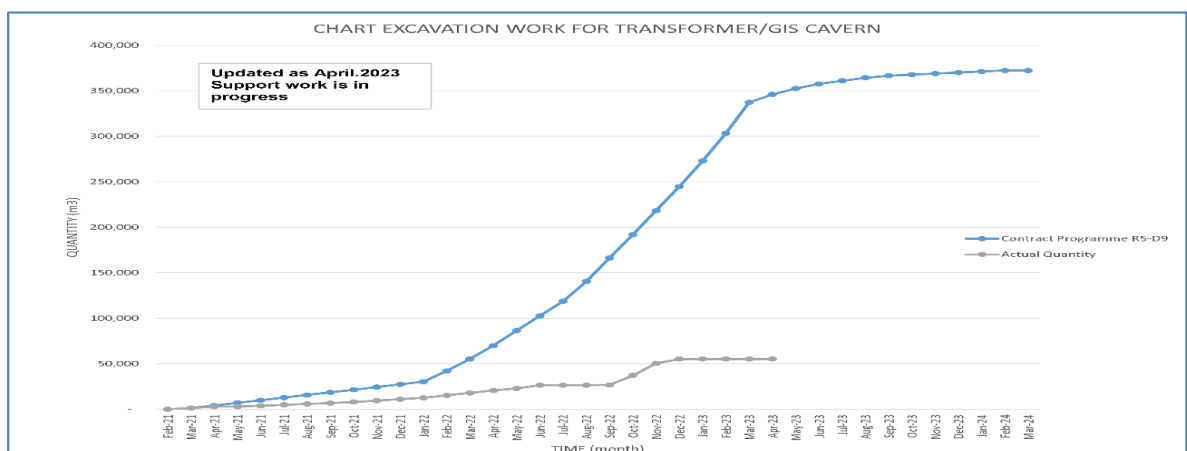


Figure: Work Progress of Transformer/GIS Cavern 2nd Bench Diagram

(12) Drain Tunnel

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

(13) Connection Tunnel to Transformer Cavern

- Tunnel excavation commenced on 23 Apr 20 and substantially completed on 11 May 20.

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

- Tunnel excavation commenced on 6 May 20 and substantially completed on 21 May 20.

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

- Tunnel excavation commenced on 25 April 2020 and substantially completed on 7th July 2020 (99.19 % of total length of 77.12 m).

4.7.3.4 Power Intake

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

4.7.3.5 Lower Pressure Tunnel

(1) Penstock Adit Tunnel No.01

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

(2) Penstock Adit Tunnel No.02

- Tunnel excavation commenced on 23 August 2020.
- Excavation of the Penstock Adit Tunnel No.02 commenced on 23 Aug. 2020 and completed on 07 Jun. 2021 (249.24 m in total, 100 % of total length of 249.24m).
- Excavation of Lower pressure Tunnel #2 commenced on 21 May 2022.
- Lower pressure tunnel # 2 Invert Cleaning and 921m³ Plug Concrete poured in Jan. 2023. The activities were suspended due to shift of all resources to other contract works (MW-01). The tunnel supporting works (steel arch installation) was resumed on 23 Mar. 2023.
- During the month of April 2023, construction support activities, such as the installation of steel arches, wire mesh, and grouting of anchor bars, were in progress.

4.7.3.6 Tailrace Tunnel

(1) Upstream Adit Tunnel CT1

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

(2) Downstream Adit Tunnel CT2

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

(3) Tailrace Tunnel No.1

- The excavation was commenced on 03-Feb-2023 from CT2 and 19-Feb-2023 from CT1 and excavation and support works were in progress.
- In the month of April 2023, The Contractor excavated a total of 36.00m from both the upstream and downstream ends.

(4) Tailrace Tunnel No.2

- The excavation was commenced on 15-Feb-2023 from CT1 and 21-Feb-2023 from CT2, and the excavation and support work were in progress.
- In the month of April 2023, The Contractor excavated a total of 30.00m from both the upstream and downstream ends.

4.7.3.7 Switchyard

- The open excavation and slope protection works commenced on 14th April 2022.
- Support work on the 4th bench slope (El 950 to 940) of both left and right side was in progress.
- In the Month April 2023, Steel Reinforcement & Formwork Installation for Side drainage/Nullah at 5th Bench (El.955-956) , Excavation and mucking at 3rd bench (El.936-940) was in progress.
- Removing Debris was in progress by daywork order.

Notes:

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

4.7.4 Summary of Daily Work Records of MW-02

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

4.7.5 Dewatering Record

Dewatering Record during Contractor's Suspension Work- for the Month of March 2023 MW-02						
Workforce			Equipment			Remarks
Type	Location	Qty	Type	Power/Capacity	Qty	
Tech. Staff	MAT 0+370	0	Water Pump	75Kw	1	One Operator Visiting Different Faces
Electrician		1				
Skilled		1				
Tech.Staff		0				
Tech.Staff	MAT 0+510	0	Water Pump	7.5kw	1	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	STA To PA &STA 0+300	0	Water Pump	7.5Kw	1	
Electrician		0		75Kw	1	
Skilled		1				
Tech.Staff		0				
Tech.Staff	PH	0	Water Pump	45Kw	1	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	ADFT	0	Water Pump	7.5kw	1	
Electrician		0				
Skilled		1				
Tech.Staff		0				
Tech.Staff	MAT 0+820	0	Water Pump	75Kw	1	
Electrician		1				
Skilled		1				
Tech.Staff		0				
Tech.Staff	CR-9 PowerStation	0				
Electrician		1				
Skilled		1				
Tech.Staff		0	Generator	880KVA	1	

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

4.8.1 General Contract Data of LBRV-11

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

Table 4.25: General Contract Data of Dasu-LBRV-11

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

4.8.2 Progress Status of LBRV-11

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

Table 4.26: Progress of LBRV-11 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-LBRV-11	52.2	223.8	97.0	-	-	100.0	97.0

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

- The actual work progress is based on the revised scope. The Engineer is finalizing his recommendation/assessment of LBRV11&12 for the Employer.

4.8.3 Major Activities of LBRV-11

The following are major construction activities undertaken during this month:

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

➤ Khoshe Site-01

- No activity

➤ Khoshe Site-02

- No activity

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

- Water supply line is in progress.

4.8.4 Location wise Status of LBRV-11

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

Table 4.27: Location wise Status (LBRV-11)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Khoshe-1	Water tank, septic tank, anaerobic tank, stone masonry retaining walls, manholes, Mosque & Khuprail tile, and backfill of retaining wall Completed slope protection completed. PAR excavation Completed .slope protection completed.pcc road completed .sewerage work completed.	No activity			
2	Khoshe-2	Link-01, Land Development and stone masonry safety wall, RCC sewerage line is completed. Retaining wall completed.	No activity		Nil	
3	Uchar 01	Site is handed over to local people except Mosque on 05 th Novemeber, 2020 Mosque grey structure and boundry wall, Sewerage line & soakage pit completed	Water supply line is in progress. Site handovered		Nil	

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

4.9.1 General Contract Data of LBRV-12

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

Table 4.28: General Contract Data of Dasu-LBRV-12

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

4.9.2 Progress Status of LBRV-12

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

Table 4.29: Progress of LBRV-12 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-LBRV-12	52.2	232.7	98.0	-	-	100.0	98.0

- Gantt chart and S-Curves are shown in Figure 22 and Figure 23

- The actual work progress is based on the revised scope. The Engineer is finalizing his recommendation/assessment of LBRV11&12 for the Employer.

4.9.3 Major Activities of LBRV-12

The major construction activities undertaken during this month were:

(1) At Nasirabad- Site-1

- No activity

(2) At Nasirabad- Site-2

- No activity

4.9.4 Location wise Status of LBRV-12

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

Table 4.30: Location wise Status (LBRV-12)

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

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

4.10.1 General Contract Data of PCI-01R

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

Table 4.31: General Contract Data of Dasu-PCI-01R

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

4.10.2 Progress Status of PCI-01R

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

Table 4.32: Progress of PCI-01R this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-PCI-01R	47.4	114.4	61.2	-	1.80	100.0	63.0

- Gantt chart and S-Curves are shown in Figure 24 and Figure 25

- The Engineer is preparing a recommendation/assessment report of EoT-02 for the Employer.

4.10.3 Major Activities of PCI-01R

The major construction activities undertaken during this month were:

- Door fixing and polishing at Residence Cat -2, 2A & 2B is in progress.
- Boundry wall masonry and plastering at residence Cat - 2B, 2C & 2D in progress.
- Painting of boundary wall of Cat -2 and 2a in progress.
- Ppr and plumbing work in bath rooms at residence cat-2B, 2C and 2D in progress.
- Electrification work at 2B and 2C in progress.
- Ramp construction towards the car porch at residence Cat -2B and 2C in progress.
- Internal and external Painting at residence Cat- 2 and 2A in progress.
- Bathroom fixtures fixing at residence Cat -2B, 2C & 2D in progress.
- Installation of windows aluminum at Residence Cat 2,2B and 2c in progress.
- Entrance stair marble fixing is in progress.
- Laying of Base course for Secondary roads s2 and s3 in progress.
- Car porch concreting at residence Cat -2B & 2 C in progress.
- Rcc sewerage pipe joint fixing at phase A is in progress.
- Block masonry at residence Cat 3 and Cat 4 in progress.
- Plastering at residence cat -3 and residence cat-4 in progress.
- Conduction of pressure tests of water supply pipes in progress.
- Sluice vales construction in progress at phase A.
- Septic tank type-A construction in progress.
- Construction of storm drain along P1 road in progress.
- External boundry wall: stone masonry and block masonry is in progress.
- Curb stone fixing is in progress at s1 road.
- Construction of storm drain at s2 road 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 4.33: Location wise Status (PCI-01R)

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
1	Project Colony at Choochang	PROJECT OFFICE Frame structure & block masonry at G.F, 1st floor, 2nd floor and mummy floor is completed. Plaster work completed. Marble, ceramic and porcelain tile work completed .Alluminum work and glass fixing for windows completed. False ceiling completed. Internal painting completed .dome fixing completed .fan installation completed. Curtain wall completed. Lawn area paver fixing completed. Pavers at transport pool completed Doors completed.	<ul style="list-style-type: none"> • Door fixing at Residence Cat -2B is in progress. • Boundary wall masonry and plastering at residence Cat -2, Cat -2A, 2B, 2C & 2D in progress. • Ppr and plumbing work in bath rooms at residence cat-2B, 2C and 2D in progress. 			

Sr. No.	Section/ Location	Work completed	Current Status	Current Issues	Possible Further Issues	Action Currently undertaken
		<p>Residence cat-1 Frame structure completed .block masonry work completed. Plaster work completed .marble fixing completed. Completed. porcelain tile fixing completed Ceramics tile fixing completed .stair marble completed. Roof treatment completed. Doors completed.</p> <p>Residence cat 2. Block masonry completed and plaster work completed. Plaster completed.</p> <p>Residence Cat-2A: Frame structure work completed. Block masonry work and plaster work completed. Completed. plaster completed</p> <p>Residence Cat-2B: Frame structure and block masonry work completed. plaster completed</p> <p>Residence Cat-2C: Frame structure and block masonry completed. plaster completed</p> <p>Residence Cat-2D: Frame structure and block masonry completed. plaster completed</p> <p>Cat-3A: Frame structure completed except mumty</p> <p>Cat-3B: Frame structure completed except mumty</p> <p>Cat-3D: Frame structure completed except mumty</p> <p>Cat-4A: Frame structure completed except mumty</p> <p>Cat-4C: Frame structure completed except mumty</p> <p>P1 Road- RCC retaining Wall concrete, backfilling and stone masonry parapet wall is completed. Concrete pavement completed.</p> <p>Hostel cat 2 A& 2B Frame structure completed .block masonry completed .plaster completed.</p>	<ul style="list-style-type: none"> • Electrification work at 2B and 2C in progress. • Ramp construction towards the car porch at residence Cat -2 and 2A in progress. • Painting at residence Cat 2 and 2A in progress. • Bathroom fixtures fixing at residence Cat -2B & 2 C in progress. • Installation of windows aluminum at Residence Cat 2,2B and 2c in progress. • Laying of Base course for Secondary roads s1, s2 and s3 in progress. • Car porch concreting at residence Cat 2A & 2 B in progress. • Block masonry at residence Cat 3 and Cat 4 in progress. • Plastering at residence cat -3 and residence cat-4 in progress. • Form work and reinforcement fixing for the mumties of cat 3 and cat 4 is in progress. • Conduction of pressure tests of water supply pipes in progress. • Sluice vales construction in progress. • Septic tank type a construction in progress. • Construction of storm drain along P1 road in progress. • External boundary wall: block masonry and plastering in progress. 			

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

4.11.1 General Contract Data of RV

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

Table 4.34: General Contract Data of Dasu-RV

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

4.11.2 Progress Status of RV

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

Table 4.35: Progress of Dasu-RV this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-RV	46.5	258.8	62.6	-	3.62	100.0	66.2

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

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

4.11.3 Major Activities of RV

The major construction activities undertaken during this month were:

(1) Additional Choochang site 1

- Site is handed over to local people.

(2) Choochang Site 1

- Block masonry at mosque is in progress.
- Slope protection work is in progress.
- Pipe shifting for water supply to dasu RVs in progress.

(3) Kuz Choochang Site Upper & Lower Portions

- Water supply pipe shifting is in progress.

(4) Choochang Site 2 & 3

- No activity

(5) Shatial Rock Carving Site

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

4.11.4 Location wise Status of Dasu RV

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

Table 4.36: Location wise Status (DASU-RV)

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

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

4.12.1 General Contract Data of EM-01

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

Table 4.37: General Contract Data of Dasu-EM-01

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

4.12.2 Progress Status of EM-01

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

Table 4.38: Progress of EM-01 this Month

Package	Elapsed Time		Actual Work Progress Prior to this Month (%)	Work Progress of this Month		Work Progress up to this Month	
	Month	(%)		Scheduled (%)	Actual (%)	Scheduled (%)	Actual (%)
ICB No. DASU-EM-01	35.4	58.0	7.1	0.77	0.20	17.2	7.3

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

4.12.3 Major Activities of EM-01 (Civil Works)

4.12.3.1 Construction Activities

Construction of Contractor's Camp

(1) Excavation:

- Land of Contractor's camp area at Kass was handed over on 9th April 2022 and Excavation works for land development of the Contractor's camp started from 15th March 2022.
- Excavation of Terrace No 15 and Terrace No. 16 was completed on 10th of April 2023.

(2) Boundary Wall:

- Excavation for foundation of boundary wall from CP14 to 15 was completed on 6th Apr 2023.
- Lean concrete from CP14 to CP15 was completed on 8th April 2023.
- Block masonry/ Plinth Beam (RCC) CP6 to CP15 was Completed on 12th April 2023.

(3) Retaining Walls/Stone Masonry

- Compaction of Terrace No 6, and 15 was completed on 12th April 2023.
- Lean Concrete of Terrace No 6, and 15 was completed on 13th April 2023.
- Stone Masonry of Terrace No 6, and 15 was Complete on 15th April.2023.

(4) HSE Work:

- Safety Training was conducted for workers at site.
- Morning TBT was conducted at site.

(5) Watch Towers:

- Excavation for watchtower was completed.
- Foundation Concrete and Concrete Structure was completed.
- Block Masonry Completed: yet to be done.
- Modification as per Engineer and Employer Instruction: yet to be done.

(6) Under Construction Buildings in April, 2023.

- **Excavation Completed:**
 - ✓ Security Building at Terrace No 12
 - ✓ Building 3.1 at Terrace No. 11
 - ✓ Office Building at Terrace No. 06
 - ✓ Chinese accommodation 3.2.2 building Terrace No.16
 - ✓ Chinese accommodation 3.2.2 building Terrace No.10
- **Lean Concrete Completed:**
 - ✓ Security Building at Terrace No 12
 - ✓ Building 3.1 at Terrace No. 11
 - ✓ Office Building at Terrace No. 06
- **Foundation Completed:**
 - ✓ Security Building at Terrace No 12
 - ✓ Building 3.1 at Terrace No. 11
 - ✓ Office Building at Terrace No. 06
 - ✓ Chinese accommodation 3.2.2 building Terrace No.16
- **Foundation In progress:**
 - ✓ Chinese accommodation 3.1 building Terrace No.16
 - ✓ Superstructure In progress:
 - ✓ Security Building at Terrace No 12
 - ✓ Building 3.1 at Terrace No. 11
 - ✓ Office Building at Terrace No. 06
 - ✓ Chinese accommodation 3.2.2 building Terrace No.16

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

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

Volumetric cut and fill. (96.75 / 99.6)

4.12.4 Equipment Detail

List of Machinery/ Equipment				
S/No.	Description	Type	Quantity	Remarks
1	Excavator Volvo	Tyre	01	
2	Excavator Hitachi	Chain	01	
3	Excavator Hitachi	Chain	01	
4	Excavator Doosan	Chain	01	
5	Dozer	Chain	01	
6	Tractor	Tyre	02	
7	Water Bowser	Tyre	02	
8	Concrete Mixer	Automated	02	
9	Pick up	Suzuki	02	
10	Car	Corolla	01	
11	Dumper	Tyre	01	
12	Transit Mixer	Tyre	01	
12	Lifter Machine	Tyre	01	
14	Total Station	Nikon	01	
15	Generator		02	
B	Manpower			
1	Site Manager		01	
2	Civil Engineer		03	
3	Site Supervisor		01	
4	Forman		03	
5	Surveyor		01	
6	Survey Assistant		01	
7	Excavator Operator		04	
8	Excavator Operator Helper		02	
9	Dozer Operator		01	
10	Driver		05	
11	Skilled Labor		16	
12	Unskilled Labor		34	
13	Watch Man		04	
14	Flagman		01	
15	HSE Staff		01	
16	Carpenter		10	
17	Steel fixer		07	

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	Payments Received From WAPDA *			
				3,765,402,844	8,628,984	2,726,702,454				
Sr. No.	Inv. No.	Description	Submitted To Wapda			Payments Received From WAPDA *				
			Date	JPY	EURO	PKR	Date	JPY	EURO	PKR
1		Mobilization Advance		0	0	0	10.04.2015	284,715,484	777,495	167,799,158
2	001	Aug-14	06.03.2015	8,405,708	150	16,562,851		0	0	0
3	002	Sep-14	06.03.2015	11,922,037	150	18,508,898		0	0	0
4	003	Oct-14	06.03.2015	22,629,091	150	18,580,716		0	0	0
5	004	Nov-14	16.03.2015	27,598,424	29,849	27,713,464		0	0	0
6	005	Dec-14	18.03.2015	25,234,974	28,994	20,594,485		0	0	0
7	006	Jan-15	24.03.2015	12,711,871	16,375	29,801,646		0	0	0
8	007	Feb-15	30.03.2015	12,841,559	32,919	19,037,857		0	0	0
9	008	Mar-15	19.06.2015	21,055,679	44,401	29,446,228		0	0	0
10	009	Apr-15	19.06.2015	26,370,102	22,116	25,287,607		0	0	0
11	010	May-15	19.06.2015	19,567,111	45,421	28,157,418		0	0	0
12	011	Jun-15	27.07.2015	18,599,162	57,684	29,568,830		0	0	0
13	012	Jul-15	20.08.2015	11,939,864	39,018	28,833,478		0	0	0
14	013	Aug-15	23.09.2015	11,447,313	66,020	34,179,554		0	0	0
15	014	Sep-15	20.10.2015	15,648,775	61,828	29,842,901		0	0	0
16	015	Oct-15	23.11.2015	18,420,095	57,607	53,248,321	29.02.2016	0	0	5,751,295
17	016	Nov-15	21.12.2015	23,367,864	53,589	29,564,237	03.02.2016	0	0	9,211,398
18	017	Dec-15	25.01.2016	18,530,461	43,902	29,012,517	29.02.2016	0	0	9,475,900
19	018	Jan-16	26.02.2016	23,422,910	59,880	46,873,375	28.03.2016	0	0	13,388,161
20	018-R**	From Aug 2014 to Dec 2015	24.03.2016	0	0	40,964,475	12.04.2016	0	0	15,759,401
21	019	Feb-16	31.03.2016	20,078,687	48,599	28,361,112	18.05.2016	0	0	10,076,078
22	019-R***	From Aug 2014 to Jan 2016	07.04.2016	0	0	12,023,529	18.05.2016	0	0	1,481,194
23	020	Mar-16	22.04.2016 Resubmitted on 30.06.2016	23,432,735	58,393	25,971,654	19.07.2016	0	0	12,581,502
24	021	Apr-16	20.05.2016 Resubmitted on 28.07.2016	18,431,384	58,223	24,185,560	08.09.2016	0	0	14,436,817
25	022	May-16	20.06.2016 & PKR resubmitted on 22/09/2016	17,749,931	43,655	30,528,705	07.10.2016 & JPY & EURO 27.02.2017	7,057,385	0	19,625,266
26	Final Supplementary Invoice	For the month of July 2013, June 2014 & July 2014 Assignment-A	29.06.2016	3,818,324	2,742		JPY 27.12.2016 & EURO 03.01.2017	2,432,327	1,717	
27	Final Supplementary Invoice	From Sep 2011 to July 2014 Assignment-A	11.07.2016			47,341,439	23.11.2016	0	0	14,855,888
28	023	Jun-16	26.07.2016 & PKR submitted on 09/09/2016	19,139,749	36,433	27,473,100	11.11.2016 & JPY & EURO 27.02.2017	14,345,806	0	17,670,947
29	Arrears of Escalation	From Oct 2015 to Apr 2016	28.07.2016	0	0	1,355,438	07.10.2016	0	0	413,116
30	024	Jul-16	24.08.2016 & PKR submitted on 31/10/2016	20,944,715	61,067	24,665,984	30.12.2016 & JPY & EURO 27.02.2017	16,193,143		15,846,067
31	025	Aug-16	28.09.2016 & PKR Submitted on 19/12/2016	28,898,700	59,162	21,740,830	06.03.2017 & JPY & EURO 27.02.2017	22,370,210	15,264	18,538,901
32	026	Sep-16	25.10.2016 & PKR Submitted on 12.01.2017	20,457,552	33,105	32,972,027	06.03.2017 & JPY & EURO 27.02.2017	15,933,806	25,748	29,723,302
33	027	Oct-16	06.12.2016 & PKR 14.02.2017	14,676,229	56,107	22,391,491	JPY & EURO 27.02.2017 & PKR 10.04.2017	11,298,749	44,624	17,951,057
34	028	Nov-16	12.01.2017 & PKR Submitted on 22.03.2017	17,010,852	52,349	22,566,949	JPY 03.04.2017 & EURO 20.04.2017 & PKR 24.04.2017	13,561,713	41,752	17,202,754
35	001S to 005S	From Aug 2014 to Dec 2014	17.01.2017	35,021,686	16,190	50,871,653	19.06.2017 & Remuneration JPY 19.01.2018	9,296,144		25,721,225
36	006S to 011S	From Jan 2015 to Jun 2015	23.01.2017 & JPY & EURO on 24.01.2017	36,756,702	69,748	85,353,118	PKR Remuneration 19.06.2017 & PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & EURO Remuneration 29.01.2018	6,660,958	10,515	52,016,281
37	PST	Claimed PST Withheld from Assignment-B Invoices from Aug 2014 to Jul 2016	03.02.2017			61,313,933	17.01.2017 & 13.02.2017			61,313,933
38	012S to 017S	From Jul 2015 to Dec 2015	JPY & EURO 03.02.2017 & PKR 06.02.2017	36,713,717	83,680	93,151,635	PKR Reimbursable 27.07.2017 & Remuneration JPY 19.01.2018 & PKR Remuneration 15.11.2018	10,508,656		54,091,709
39	PST	Claimed PST withheld from Assignment-A Invoices	03.02.2017			5,399,488	PKR Remuneration & Reimbursable 04.02.2019			4,927,884
40	029	Dec-16	09.02.2017 & PKR 18.04.2017	9,687,563	45,912	24,460,842	JPY 03.04.2017 & EURO 20.04.2017 & PKR 17.05.2017	7,767,335	37,719	17,535,952
41	018S to 026S	From Jan 2016 to Sept 2016	22.02.2017 & PKR 13.04.2017	53,959,508	118,420	72,655,226	Jan 2016 & Feb 2016 PKR Reimbursable 19.10.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 15.11.2018 & PKR Remuneration (Arrears of Escalation) 15.11.2018 & PKR Remuneration 11.04.2019	3,249,301		21,244,401
42	030	Jan-17	13.03.2017 & PKR 09.06.2017	11,265,956	43,684	27,832,378	JPY 10.04.2017 & EURO 24.04.2017 & PKR 17.07.2017	8,584,183	35,142	23,123,731
43	031	Feb-17	28.04.2017 & PKR 29.06.2017	11,051,050	54,667	24,625,784	07.06.2017 & 08.06.2017 & PKR Remuneration 27.07.2017 & PKR Reimbursable 06.09.2017	8,685,804	43,511	18,200,721
44		Topographical Survey & Geological Investigations & Tax on Reimbursable Assignment-A	03.05.2017			13,642,099				
45	032	Mar-17	11.05.2017 & PKR 19.07.2017	15,970,258	51,375	25,592,856	07.06.2017 & 08.06.2017 & PKR Remuneration 06.09.2017 & PKR Reimbursable 28.11.2017	12,524,914	41,337	18,351,490
46	033	Apr-17	01.06.2017 & PKR 23.08.2017	12,781,338	26,299	26,070,330	JPY 17.08.2017 & EURO 28.08.2017 & PKR Remuneration 19.10.2017 & PKR Reimbursable 21.12.2017	10,404,229	21,503	18,834,526
47	034	May-17	EURO 23.06.2017 & JPY 29.06.2017 & PKR Remuneration 14.09.2017 & PKR Reimbursable 18.09.2017	39,936,930	55,715	27,133,610	Remuneration JPY 17.08.2017 & EURO 28.08.2017 & Remuneration PKR 14.11.2017 & Reimbursable PKR 28.11.2017 & Reimbursable JPY 19.01.2018 & EURO Reimbursable 29.01.2018	32,079,999	44,725	18,701,410
48	035	Jun-17	11.08.2017 & PKR 09.10.2017	18,594,227	48,854	28,277,373	PKR Remuneration 21.12.2017 & PKR Reimbursable 24.01.2018 & JPY & EURO 07.03.2018	14,869,448	39,543	17,561,796
49	036	Jul-17	13.09.2017 & PKR 06.11.2017	18,438,264	37,553	25,611,161	PKR Remuneration 21.12.2017 & Remuneration JPY 19.01.2018 & PKR Reimbursable 24.01.2018 & EURO	13,544,246	30,480	15,695,688

Total Contract Amount				JPY	EURO	PKR	Payments Received From WAPDA *					
				3,765,402,844	8,628,984	2,726,702,454						
Sr. No.	Inv. No.	Description	Submitted To Wapda			Date						
			Date	JPY	EURO	PKR	JPY	EURO	PKR			
									Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018			
50	037	Aug-17	05.10.2017 & PKR Remuneration 06.12.2017 & PKR Reimbursable 07.12.2017	22,283,721	39,071	26,800,350			Remuneration JPY 19.01.2018 & PKR Remuneration 24.01.2018 & EURO Remuneration 29.01.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018.	13,524,337	31,475	13,785,805
51	038	Sep-17	30.11.2017 & PKR 11.12.2017	25,275,450	55,319	36,272,828			PKR Remuneration 24.01.2018 & JPY Remuneration 02.02.2018 & EURO Remuneration 06.02.2018 & JPY & EURO Reimbursable 07.03.2018 & PKR Reimbursable 07.03.2018.	16,737,519	39,192	29,029,316
52	039	Oct-17	18.12.2017 & PKR Remuneration 12.01.2018 & PKR Reimbursable 26.01.2018	30,965,060	48,541	24,755,246			JPY & EURO 07.03.2018 & PKR 07.03.2018	21,993,304	22,394	15,289,782
53	040	Nov-17	28.12.2017 & PKR Remuneration 02.02.2018 & Reimbursable 07.02.2018	24,890,298	41,738	24,452,117			JPY & EURO 07.03.2018 & PKR 27.03.2018	17,614,630	21,997	15,454,332
54	041	Dec-17	26.01.2018 & PKR Remuneration 06.03.2018 & Reimbursable 30.03.2018	26,066,347	76,887	40,807,244			JPY & EURO 07.03.2018 & PKR 25.05.2018	16,523,377	39,755	32,281,427
55	042	Jan-18	23.02.2018 & PKR Remuneration 13.03.2018 & Reimbursable 23.04.2018	24,236,376	63,218	58,859,377			JPY 26.03.2018 & EURO 27.03.2018 & PKR Remuneration 25.05.2018 & PKR Reimbursable 21.06.2018	14,993,551	35,810	17,564,044
56	043	Feb-18	30.03.2018 & PKR Remuneration 19.04.2018 & Reimbursable 21.05.2018	28,152,289	54,667	28,490,928			JPY 23.05.2018 & EURO 24.05.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 18.07.2018	19,670,980	43,511	17,650,847
57	044	Mar-18	PKR Remuneration 25.04.2018 & JPY & EURO 30.04.2018 & PKR Reimbursable 30.05.2018	36,295,537	52,761	29,253,565			JPY 19.06.2018 & EURO 20.06.2018 & PKR Remuneration 21.06.2018 & PKR Reimbursable 13.08.2018	25,775,591	42,328	16,065,238
58	045	Apr-18	PKR Remuneration 01.06.2018 & JPY & EURO 14.06.2018 & PKR Reimbursable 16.07.2018	32,505,357	52,709	35,840,584			PKR Remuneration 18.07.2018 & JPY 30.07.2018 & EURO 31.07.2018 & PKR Reimbursable 10.09.2018	21,316,744	42,276	21,301,930
59	025S to 029S	From Aug 2016 to Dec 2016 Supplementary	PKR Reimbursable 22.06.2018			1,275,354			PKR Reimbursable 15.11.2018			1,151,599
60	030S to 035S	From Jan 2017 to Jun 2017 Supplementary	PKR Reimbursable 22.06.2018			22,576,668			PKR Reimbursable 20.02.2019			20,675,144
61	036S to 041S	From Jul 2017 to Dec 2017 Supplementary	PKR Reimbursable 22.06.2018			11,466,211			PKR Reimbursable 20.02.2019			11,043,683
62	046	May-18	PKR Remuneration 25.06.2018 & JPY & EURO 06.07.2018 & PKR Reimbursable 27.07.2018	32,008,847	46,592	30,724,047			PKR Remuneration & Reimbursable 10.09.2018 & JPY 13.09.2018 & EURO 14.09.2018	21,610,245	37,674	12,938,115
63	047	Jun-18	JPY & EURO 06.08.2018 & PKR Remuneration 07.08.2018 & PKR Reimbursable 31.08.2018	35,266,862	55,283	28,514,236			JPY & EURO 26.09.2018 & PKR Remuneration & Reimbursable 16.10.2018	25,217,683	44,127	10,704,248
64	048	Jul-18	PKR Remuneration 30.08.2018 & JPY & EURO 05.09.2018 & PKR Reimbursable 09.10.2018	32,147,418	45,864	31,146,584			PKR Remuneration 16.10.2018 & PKR Reimbursable 11.12.2018 & JPY & EURO 17.12.2018	21,964,368	37,099	10,408,872
65	049	Aug-18	JPY & EURO 25.09.2018 & PKR Remuneration 11.10.2018 & PKR Reimbursable 07.11.2018	25,432,383	39,014	29,369,478			PKR Remuneration 15.11.2018 & JPY & EURO 17.12.2018 & PKR Reimbursable 18.01.2019	17,212,308	31,374	11,224,532
66	050	Sep-18	JPY & EURO 08.11.2018 & PKR Remuneration 08.11.2018 & PKR Reimbursable 11.12.2018	39,850,521	53,658	28,933,129			PKR Remuneration 11.12.2018 & JPY & EURO 17.01.2019 & PKR Reimbursable 18.01.2019	30,044,462	43,062	10,047,290
67	025S to 031S	From Oct 2016 to Apr 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY 13.12.2018 & JPY resubmitted on 24.04.2019	1,116,215		8,259,285			PKR Remuneration 11.04.2019 & JPY 17.07.2019	802,442		6,175,779
68	034S to 041S	From May 2017 to Dec 2017 Supplementary	PKR Remuneration 14.11.2018 & JPY & EURO 13.12.2018 & JPY & EURO resubmitted on 25.04.2019	22,029,176	68,384	23,991,175			PKR Remuneration 11.12.2018 & JPY & EURO 17.07.2019	17,327,640	55,071	18,445,696
69	040S to 048S	From Nov 2017 to Jul 2018 Supplementary	PKR Remuneration & Reimbursable 20.11.2018 & JPY & EURO 13.12.2018 & PKR resubmitted on 28.03.2019. JPY & EURO resubmitted on 07.05.2019.	25,644,843	18,643	104,355,765			PKR Reimbursable 29.05.2019 & PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019	19,999,819	15,119	84,652,061
70	Arrears of Escalation	From Oct 2017 to May 2018	PKR Remuneration 23.11.2018			4,035,216			PKR Arrears of Escalation 11.04.2019			1,271,759
71	051	Oct-18	JPY & EURO 04.12.2018 & PKR Remuneration 19.12.2018 & Reimbursable 31.01.2019	40,454,707	75,582	31,586,089			JPY & EURO 17.01.2019 & PKR Remuneration 20.02.2019 & PKR Reimbursable 14.03.2019	28,889,800	61,067	10,333,221
72	052	Nov-18	JPY & EURO 01.01.2019 & PKR Remuneration 02.01.2019 & Reimbursable 08.02.2019	41,317,140	85,200	29,612,815			PKR Remuneration 20.02.2019 & JPY 28.02.2019 & EURO 01.03.2019 & PKR Reimbursable 14.03.2019	29,887,757	49,817	9,027,308
73	Arrears of Escalation	Oct-18	PKR Remuneration 11.01.2019			739,718			PKR Arrears of Escalation 14.05.2019			154,889
74	053	Dec-18	PKR Remuneration 15.01.2019 JPY & EURO 11.02.2019 & PKR Reimbursable 26.03.2019	31,942,910	101,849	32,553,105			JPY 26.03.2019 & EURO 27.03.2019 & PKR Remuneration 11.04.2019 & PKR Reimbursable 14.05.2019.	22,385,178	59,806	20,237,682
75	054	Jan-19	PKR Remuneration 19.02.2019 JPY & EURO 26.02.2019 & PKR Reimbursable 10.05.2019	21,550,814	85,536	34,254,443			PKR Remuneration 14.03.2019 & JPY 26.03.2019 & EURO 27.03.2019 & PKR Reimbursable 25.07.2019.	17,201,786	53,092	21,134,328
76	055	Feb-19	PKR Remuneration 04.04.2019 & JPY & EURO 09.04.2019 & PKR Reimbursable 22.05.2019	33,275,362	109,185	30,115,175			JPY 10.05.2019 & EURO 13.05.2019 & PKR Remuneration 14.05.2019 & PKR Reimbursable 25.07.2019.	26,050,980	86,872	26,465,134
77	049S to 052S & 054S	From Aug 2018 to Nov 2018 & Jan 2019 Supplementary	PKR Remuneration 11.04.2019 PKR & Reimbursable 15.04.2019 & JPY & EURO 29.05.2019.	22,845,819	50,546	95,850,188			PKR Remuneration 29.05.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	18,077,618	40,589	82,621,973
78	056	Mar-19	PKR Remuneration 30.04.2019 & JPY & EURO 15.05.2019 & PKR Reimbursable 27.06.2019	28,469,007	110,927	32,011,879			PKR Remuneration 02.07.2019 & JPY & EURO 17.07.2019 & PKR Reimbursable 05.08.2019	21,481,129	88,781	28,304,851
79	057	Apr-19	PKR Remuneration 24.05.2019 & JPY & EURO 17.06.2019 & PKR Reimbursable 12.07.2019	32,083,700	100,912	45,226,298			JPY & EURO 19.07.2019 & PKR Remuneration 05.08.2019 & PKR Reimbursable 18.09.2019	25,621,145	80,992	35,201,624
80	058	May-19	PKR Remuneration 29.06.2019 & JPY & EURO 09.07.2019 & PKR Reimbursable 19.07.2019	48,913,348	104,280	40,084,902			PKR Remuneration 05.08.2019 & JPY & EURO 07.08.2019 & PKR Reimbursable 31.10.2019	38,792,523	84,037	36,049,192
81	059	Jun-19	PKR Remuneration 26.07.2019 & PKR Reimbursable 05.08.2019 & JPY & EURO 11.09.2019	41,230,758	107,592	35,881,227			PKR Remuneration 18.09.2019 & PKR Reimbursable 31.10.2019 & JPY & EURO 21.11.2019	31,909,521	76,287	31,366,838
82	Arrears of Escalation	Oct-2018 Supplementary	PKR Remuneration 19.08.2019			538,449			PKR Remuneration 31.10.2019			414,169
83	060	Jul-19	PKR Remuneration 06.09.2019 & JPY & EURO 17.09.2019 & PKR Reimbursable 25.09.2019	41,502,491	140,944	50,840,724			PKR Remuneration 31.10.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 03.12.2019	31,563,206	90,943	43,128,562
84	053S	Dec-2018 Supplementary	PKR Remuneration 30.09.2019			11,476,907			PKR Remuneration 03.12.2019			8,799,116

Total Contract Amount				JPY	EURO	PKR	Payments Received From WAPDA *			
				3,765,402,844	8,628,984	2,726,702,454				
Sr. No.	Inv. No.	Description	Submitted To Wapda			Date				
			Date	JPY	EURO	PKR	Date	JPY	EURO	PKR
85	061	Aug-19	PKR Remuneration 30.09.2019 & JPY & EURO 23.10.2019 & PKR Reimbursable 26.10.2019	37,231,310	89,562	42,727,013	PKR Remuneration 03.12.2019 & JPY & EURO Remuneration 09.01.2020 & PKR Reimbursable 07.02.2020 & JPY & EURO Reimbursable 28.02.2020	29,041,127	73,021	35,430,131
86	062	Sep-19	PKR Remuneration 13.11.2019 & JPY & EURO 21.11.2019 & PKR Reimbursable 29.11.2019	38,733,736	129,812	43,387,882	PKR Remuneration 14.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	30,883,076	103,716	34,600,721
87	063	Oct-19	PKR Remuneration 29.11.2019 & JPY & EURO 03.12.2019 & PKR Reimbursable 31.12.2019	31,086,208	135,856	50,181,714	PKR Remuneration 24.02.2020 & JPY & EURO 28.02.2020 & PKR Reimbursable 01.04.2020	24,793,910	108,677	41,393,909
88	054S to 060S	From Jan 2019 to Jul 2019 Supplementary	JPY & EURO 09.12.2019	5,092,138	60,974		Reimbursable JPY 28.04.2020 & Reimbursable EURO 30.04.2020 & JPY & EURO Remuneration 15.05.2020	3,353,531	49,458	
89	064	Nov-19	PKR Remuneration 20.12.2019 & JPY & EURO 07.01.2020 & PKR Reimbursable 10.01.2020	45,807,870	115,222	43,571,960	JPY & EURO 28.02.2020 & PKR Remuneration 18.03.2020 & PKR Reimbursable 04.05.2020	36,488,385	94,006	34,852,280
90	065	Dec-19	PKR Remuneration 23.01.2020 & JPY & EURO 29.01.2020 & PKR Reimbursable 10.03.2020	40,957,503	141,050	58,976,694	JPY & EURO 11.03.2020 & PKR Remuneration 08.04.2020 & PKR Reimbursable 10.06.2020	32,462,083	113,144	50,261,213
91	Arrears of Escalation	From Oct 2019 to Nov 2019	PKR Remuneration 31.01.2020			5,266,917	PKR Arrears of Escalation 14.04.2020			4,044,354
92	066	Jan-20	PKR Remuneration 24.02.2020 & JPY & EURO 09.03.2020 & PKR Reimbursable 27.04.2020	35,922,505	146,378	52,379,808	PKR Remuneration 02.04.2020 & JPY & EURO 15.05.2020 & PKR Reimbursable 06.07.2020	28,616,260	117,384	46,172,804
93	067	Feb-20	PKR Remuneration 18.03.2020 & JPY & EURO 07.04.2020 & PKR Reimbursable 09.06.2020	38,743,766	158,284	50,877,843	PKR Remuneration 04.05.2020 & JPY & EURO 25.06.2020 & PKR Reimbursable 03.08.2020	28,986,611	126,019	44,233,452
94	068	Mar-20	PKR Remuneration 28.04.2020 & JPY & EURO 05.05.2020 & PKR Reimbursable 15.07.2020	45,523,859	160,795	56,498,786	JPY & EURO 02.07.2020 & PKR Remuneration 03.08.2020 & PKR Reimbursable 02.11.2020	33,489,540	123,560	49,674,390
95	069	Apr-20	PKR Remuneration 22.06.2020 & JPY & EURO 07.07.2020 & PKR Reimbursable 25.08.2020	36,087,897	165,010	52,033,891	PKR Remuneration 03.08.2020 JPY 07.08.2020 & EURO 10.08.2020 & PKR Reimbursable 02.11.2020	26,950,173	131,521	45,136,180
96	070	May-20	PKR Remuneration 23.06.2020 & JPY & EURO 08.07.2020 & PKR Reimbursable 10.09.2020	29,407,988	165,664	51,755,642	PKR Remuneration 17.09.2020 & JPY 28.09.2020 & EURO 25.09.2020 & PKR Reimbursable 28.10.2020	21,116,812	89,725	43,199,160
97	071	Jun-20	PKR Remuneration 19.08.2020 & JPY & EURO 21.08.2020 & PKR Reimbursable 29.09.2020 resubmitted on 15.12.2020	32,122,120	165,190	49,538,690	PKR Remuneration 02.11.2020 & JPY & EURO 02.12.2020 & PKR Reimbursable 20.01.2021	25,263,288	131,721	40,122,417
98	072	Jul-20	PKR Remuneration 31.08.2020 & JPY & EURO 08.09.2020 & PKR Reimbursable 23.10.2020 resubmitted on 15.12.2020	32,771,320	103,073	56,796,363	PKR Remuneration 02.11.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 24.02.2021	25,931,960	84,063	44,997,291
99	073	Aug-20	PKR Remuneration 25.09.2020 & JPY & EURO 30.09.2020 & PKR Reimbursable 31.12.2020	34,054,161	121,793	55,615,127	PKR Remuneration 28.10.2020 & JPY & EURO 17.12.2020 & PKR Reimbursable 08.03.2021	26,896,979	98,976	46,537,554
100	074	Sep-20	PKR Remuneration 19.10.2020 & JPY & EURO 21.10.2020 & PKR Reimbursable 08.02.2021 resubmitted on 25.03.2021	38,528,252	165,010	56,635,346	JPY & EURO 17.12.2020 & PKR Remuneration 21.12.2020 & PKR Reimbursable 03.05.2021	30,758,356	131,541	49,292,375
101	061S to 070S	From Aug 2019 to May 2020 Supplementary	JPY & EURO 28.10.2020	11,647,508	59,527		JPY 19.02.2021 & EURO 17.02.2021	9,190,079	48,749	
102	075	Oct-20	PKR Remuneration 13.11.2020 & JPY 27.11.2020 & EURO 19.11.2020 & PKR Reimbursable 19.03.2021	45,952,237	160,742	53,295,719	PKR Remuneration 07.01.2021 & JPY & EURO 12.01.2021 & PKR Reimbursable 20.05.2021	34,606,197	128,533	46,509,885
103	076	Nov-20	PKR Remuneration 21.12.2020 & JPY & EURO 28.12.2020 & PKR Reimbursable 13.04.2021	55,457,397	117,756	59,839,602	PKR Remuneration 20.01.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 31.05.2021	40,049,051	97,432	53,069,623
104	01S to 05S & 08S	From Aug 2014 to Dec 2014 & Mar 2015 177-M Supplementary	PKR Reimbursable 04.01.2021			1,735,825				
105	077	Dec-20	PKR Remuneration 20.01.2021 & JPY & EURO 04.02.2021 & PKR Reimbursable 15.04.2021	53,686,285	134,364	61,213,773	PKR Remuneration 24.02.2021 & JPY 26.04.2021 & EURO 24.05.2021 & PKR Reimbursable 30.06.2021	38,693,932	109,080	53,872,497
106	Arrears of Escalation	From Oct 2020 to Nov 2020	PKR Remuneration 08.02.2021			4,367,028	PKR Arrears of Escalation 29.03.2021			3,357,254
107	059S to 065S	From Jun 2019 to Dec 2019 Supplementary	PKR Remuneration 26.02.2021			13,201,527	PKR Remuneration 26.04.2021			10,306,734
108	066S to 074S	From Jan 2020 to Sep 2020 Supplementary	PKR Remuneration 02.03.2021			12,219,301	PKR Remuneration 26.04.2021			9,533,351
109	I.Tax-REIMB-001	From Aug 2014 to Jul 2016	PKR Reimbursable 06.04.2021			7,677,758				
110	078	Jan-21	PKR Remuneration 26.07.2021 & JPY & EURO 27.07.2021 & PKR Reimbursable 27.07.2021	48,993,921	156,846	61,580,382	PKR Remuneration 12.08.2021 & PKR Reimbursable 10.09.2021 & JPY & EURO 13.09.2021	39,022,205	126,910	53,961,613
111	079	Feb-21	PKR Remuneration 28.07.2021 & PKR Reimbursable 28.07.2021 & JPY & EURO 02.08.2021	39,842,807	156,803	61,119,247	PKR Remuneration 10.09.2021 & PKR Reimbursable 24.09.2021 & JPY & EURO 08.10.2021	31,550,549	126,898	53,919,977
112	080	Mar-21	PKR Remuneration 02.08.2021 & JPY & EURO 02.08.2021 & PKR Reimbursable 02.08.2021	46,933,791	117,735	60,828,467	PKR Remuneration 24.09.2021 & JPY & EURO 08.10.2021 & PKR Reimbursable 15.10.2021	37,273,926	94,772	53,809,689
113	081	Apr-21	PKR Remuneration 02.08.2021 & JPY & EURO 03.08.2021 & PKR Reimbursable 02.08.2021	50,360,981	135,755	61,848,229	JPY & EURO 08.10.2021 & PKR Remuneration 15.10.2021 & PKR Reimbursable 02.11.2021	40,499,764	109,590	54,878,121
114	082	May-21	PKR Remuneration 06.08.2021 & JPY & EURO 06.08.2021 & PKR Reimbursable 06.08.2021	38,398,709	117,955	66,602,680	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 26.11.2021	30,708,564	95,753	59,499,966
115	083	Jun-21	PKR Remuneration 09.08.2021 & JPY & EURO 10.08.2021 & PKR Reimbursable 07.09.2021	41,331,568	125,545	73,154,118	JPY & EURO 29.10.2021 & PKR Remuneration 02.11.2021 & PKR Reimbursable 31.12.2021	31,899,578	103,265	66,199,405
116	084	Jul-21	JPY & EURO 02.09.2021 & PKR Remuneration 07.09.2021 & PKR Reimbursable 27.09.2021	37,031,624	174,114	62,486,066	JPY & EURO 29.10.2021 & PKR Remuneration 26.11.2021 & PKR Reimbursable 11.01.2022	29,628,387	141,530	55,495,681
117	085	Aug-21	PKR Remuneration 22.09.2021 & PKR Reimbursable 22.10.2021 & JPY & EURO 25.10.2021	43,337,513	162,190	65,776,983	PKR Remuneration 26.11.2021 & JPY & EURO 09.12.2021 & PKR Reimbursable 07.02.2022	35,807,673	144,520	58,797,008
118	086	Sep-21	PKR Remuneration 29.10.2021 & JPY & EURO 03.11.2021 & PKR Reimbursable 24.12.2021	32,714,524	181,228	68,477,340	JPY & EURO 15.12.2021 & PKR Remuneration 31.12.2021 & PKR Reimbursable 03.03.2022	27,949,152	161,641	65,011,885
119	DHC-DD-001	Double Deduction of Audit Recovery	PKR 18.11.2021			471,604				
120	072S to 077S	From July 2020 to Dec 2020 Supplementary	JPY 29.11.2021	13,829,217			JPY 15.02.2022	11,645,309		
121	078S to 084S	From Jan 2021 to July 2021 Supplementary	JPY & EURO 02.12.2021	1,767,800	3,475		EURO 14.02.2022 JPY 15.02.2022	1,255,200	2,782	
122	087	Oct-21	PKR Remuneration 02.12.2021 & JPY & EURO 08.12.2021 & PKR Reimbursable 03.01.2022	41,115,860	197,498	66,395,695	PKR Remuneration 11.01.2022 & JPY & EURO 19.01.2022 & PKR Reimbursable 24.03.2022	32,512,800	174,017	62,947,262
123	088	Nov-21	PKR Remuneration 31.12.2021 & JPY & EURO 05.01.2022 & PKR Reimbursable 18.01.2022	59,389,109	203,784	62,723,287	PKR Remuneration 07.02.2022 & EURO 14.02.2022 & JPY 15.02.2022 & PKR Reimbursable 08.04.2022	47,145,767	183,360	58,989,159
124	089	Dec-21	PKR Remuneration 25.01.2022 & JPY & EURO 11.02.2022 & PKR Reimbursable 14.03.2022	56,775,167	180,336	68,206,392	PKR Remuneration 03.03.2022 & JPY & EURO 14.04.2022 & PKR Reimbursable 23.04.2022	47,869,445	140,687	63,350,345

Total Contract Amount				JPY	EURO	PKR	Payments Received From WAPDA *			
				3,765,402,844	8,628,984	2,726,702,454				
Sr. No.	Inv. No.	Description	Submitted To Wapda			Payments Received From WAPDA *				
			Date	JPY	EURO	PKR	Date	JPY	EURO	PKR
125	Arrears of Escalation	From Aug 2014 to Sep 2021	JPY & EURO 18.02.2022	86,181,370	366,028		JPY 10.05.2022 & EURO 09.05.2022	74,889,089	322,244	
126	090	Jan-22	PKR Remuneration 02.03.2022 & JPY & EURO 04.03.2022 & PKR Reimbursable 29.03.2022	47,988,271	231,246	78,338,629	PKR Remuneration 24.03.2022 & JPY & EURO 09.05.2022 & PKR Reimbursable 10.06.2022	35,849,929	183,999	74,119,379
127	091	Feb-22	PKR Remuneration 18.03.2022 & JPY & EURO 04.04.2022 & PKR Reimbursable 28.04.2022	49,351,025	238,651	72,344,440	PKR Remuneration 23.04.2022 & JPY & EURO 01.06.2022 & PKR Reimbursable 28.07.2022	39,917,960	201,572	65,529,896
128	Arrears of Escalation	From Oct 2021 to Dec 2021	PKR Remuneration 30.03.2022			7,068,517	PKR Arrears of Escalation 26.05.2022			6,160,113
129	092	Mar-22	PKR Remuneration 25.04.2022 & JPY & EURO 28.04.2022 & PKR Reimbursable 09.06.2022	49,365,007	249,212	101,124,224	PKR Remuneration 10.06.2022 & JPY & EURO 17.06.2022 & PKR Reimbursable 04.08.2022	38,333,736	198,362	95,017,406
130	093	Apr-22	PKR Remuneration 27.05.2022 & JPY & EURO 31.05.2022 & PKR Reimbursable 28.06.2022	50,667,037	244,679	75,218,195	PKR Remuneration 30.06.2022 & JPY & EURO 13.07.2022 & PKR Reimbursable 05.09.2022	41,394,136	220,243	69,577,673
131	094	May-22	PKR Remuneration 20.06.2022 & JPY & EURO 29.06.2022 & PKR Reimbursable 24.08.2022	49,101,375	205,176	72,623,685	PKR Remuneration 04.08.2022 & JPY & EURO 12.08.2022 & PKR Reimbursable 28.10.2022	39,167,659	184,398	67,291,826
132	095	Jun-22	PKR Remuneration 22.07.2022 & JPY & EURO 05.08.2022 & PKR Reimbursable 12.10.2022	53,592,870	221,575	99,319,441	PKR Remuneration 05.09.2022 & JPY & EURO 16.09.2022 & PKR Reimbursable 30.11.2022	29,026,310	199,046	86,307,474
133	Supplementary Invoice	Supplementary March 2022 Inv # 092	PKR Reimbursable 25.08.2022			422,415				
134	096	Jul-22	PKR Remuneration 26.08.2022 & JPY & EURO 06.09.2022 & PKR Reimbursable 01.11.2022	53,835,283	200,534	82,687,714	PKR Remuneration 20.09.2022 & EURO 20.10.2022 & JPY 09.11.2022 & PKR Reimbursable 09.12.2022	43,393,521	180,538	76,766,540
135	097	Aug-22	PKR Remuneration 22.09.2022 & resubmitted on 07.10.2022 & JPY & EURO 29.09.2022 & resubmitted on 13.10.2022 & PKR Reimbursable 10.11.2022	48,992,064	183,692	84,487,478	PKR Remuneration 07.11.2022 & JPY & EURO 05.12.2022 & PKR Reimbursable 09.01.2023	40,234,896	165,800	77,804,607
136	098	Sep-22	PKR Remuneration 28.10.2022 & JPY & EURO 02.11.2022 & PKR Reimbursable 06.12.2022	51,434,187	189,634	86,273,462	PKR Remuneration 09.12.2022 & JPY & EURO 05.01.2023 & PKR Reimbursable 13.01.2023	43,135,295	181,679	81,700,835
137	099	Oct-22	PKR Remuneration 15.11.2022 & JPY & EURO 28.11.2022 & PKR Reimbursable 20.01.2023	50,692,917	291,294	88,237,184	PKR Remuneration 09.12.2022 & EURO 05.01.2023 & JPY 23.01.2023 & PKR Reimbursable 02.03.2023	48,307,466	278,906	83,420,834
138	Arrears of Escalation	From Oct 2021 to Dec 2021	JPY & EURO 21.11.2022	6,956,297	55,730		JPY & EURO 23.01.2023	6,509,799	52,965	
139	Arrears of Escalation	From Jan 2022 to Sep 2022	JPY & EURO 22.11.2022	723,093	50,327		JPY & EURO 23.01.2023	675,186	47,830	
140	085S to 089S	From August 2021 to December 2021 Supplementary	JPY & EURO 30.11.2022	17,498,249	32,184		JPY & EURO 14.04.2023	15,831,249	30,924	
141	090S to 096S	From January 2022 to July 2022 Supplementary	JPY & EURO 13.12.2022	52,760,915	69,748		JPY & EURO 14.04.2023	47,945,118	66,744	
142	Arrears of Escalation	Oct-22	PKR Remuneration 16.12.2022			8,304,715	PKR Arrears of Escalation 09.02.2023			7,878,592
143	100	Nov-22	PKR Remuneration 22.12.2022 & JPY & EURO 30.12.2022 & PKR Reimbursable 06.02.2023	48,570,033	217,767	113,567,016	PKR Remuneration 13.01.2023 & JPY & EURO 01.03.2023 & PKR Reimbursable 06.04.2023	46,090,197	208,698	110,977,358
144	Supplementary Invoice	Jan-17,Dec-20,Jan21,Nov-21 & From Jan 2022 to Oct 2022	PKR Remuneration 18.01.2023			18,160,031	PKR Remuneration 06.04.2023			17,109,081
145	102-A	1120 Meter Drilling Work 08 Nos. Tunnels	PKR Reimbursable 18.01.2023			79,664,434	PKR Reimbursable 03.02.2023			79,664,434
146	101	Dec-22	PKR Remuneration 26.01.2023 & JPY & EURO 30.01.2023 & PKR Reimbursable 09.03.2023	54,272,041	205,494	118,201,862	PKR Remuneration 02.03.2023 & JPY & EURO 16.03.2023	51,086,071	197,125	44,643,165
147	102	Jan-23	PKR Remuneration 15.02.2023 & JPY & EURO 23.02.2023 & PKR Reimbursable 28.04.2023	49,237,704	236,368	111,440,650	PKR Remuneration 27.03.2023 & JPY & EURO 14.04.2023	45,307,123	226,470	45,105,574
148	103-A	Uchar Nullah Catchment Study by GMRC	PKR Reimbursable 17.02.2023			11,525,000	PKR Reimbursable 27.03.2023			11,525,000
149	103	Feb-23	PKR Remuneration 22.03.2023 & JPY & EURO 06.04.2023	49,460,615	207,643	48,079,154				
150	104	Mar-23	PKR Remuneration 28.04.2023			48,792,997				
151										
Total				3,793,598,817	11,813,191	5,695,645,410		2,799,707,894	9,279,218	4,103,566,808

NOTE:

- * Less amounts which were received are due to deduction of PST , income Tax and without inter-adjustment
- ** In above given table the Invoice # "018-R" is denoting the Invoice regarding reclaim of "man-months from Aug 2014 to Dec 2015" of pending 11 DHC employees .
- *** In above given table the Invoice # "019-R" is denoting the Invoice regarding reclaim of "man-months from Aug 2014 to Jan 2016" of pending another 4 DHC employees .

5.2 Detail of Land Acquisition & Compensation Payment Status to DC

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

Table 5.1: Tentative Cost of Land Acquired

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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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-I	2020-21	13,979,730
465	19/01/2021	Barseen Dumping reservoir area-2	2020-21	13,194,453
466	19/01/2021	Tailrace Addl. area Kuz Chuchang	2020-21	9,074,538
467	19/01/2021	Pani Bah Reservoir area-II	2020-21	8,189,040
468	19/01/2021	Lachi Nallah Left of Reservoir Area-File-4	2020-21	2,605,490
469	19/01/2021	Sazeen Das Limit to Sazeen Nallah PT-2 (LoR)	2020-21	1,556,128
470	19/01/2021	Komila Bypass File-1	2020-21	456,766
471	19/01/2021	Sazeen Das Limit to Sazeen Nallah PT-3 (LoR)	2020-21	219,379
472	19/01/2021	Sazeen Das File-2 Reservoir area	2020-21	32,747
473	28/01/2021	Lachi Nala left of Reservoir Area File-1	2020-21	6,661,510
474	28/01/2021	Sigloo-3 File-2	2020-21	2,619,820
475	28/01/2021	Lachi nullah left of Reservoir Area File-3	2020-21	2,009,090
476	28/01/2021	Baily Bridge Barseen / Kuma Site-2	2020-21	1,965,890
477	28/01/2021	Lachi nullah left of Reservoir Area File-2	2020-21	486,490
478	28/01/2021	Sazeen Das Reservoir area File-1	2020-21	405,990
479	28/01/2021	Siglo-3 File-2	2020-21	114,988,616
480	28/01/2021	Gobar Nalla to Shukrait Nalla	2020-21	5,582,395
481	28/01/2021	Shukrait Nalla to Shuri Nalla	2020-21	5,136,785
482	28/01/2021	Siglo-1 File-1	2020-21	3,953,242
483	28/01/2021	Lachi Nallah File-1	2020-21	579,000
484	28/01/2021	Summar End Point to Lachi Nala Limit	2020-21	413,797
485	28/01/2021	Saznin Das File-1	2020-21	159,464
486	28/01/2021	RAR-01 Additional Land (Zaal)	2020-21	13,630
487	28/01/2021	Komila Bypass File-2	2020-21	274,650
488	28/01/2021	Komila Bypass File-1	2020-21	252,310
489	28/01/2021	Sigloo-2 File-2	2020-21	7,880,638
490	28/01/2021	Sigloo-2 File-4	2020-21	2,007,222
491	28/01/2021	Dam site Siglo-2 (File-4)	2020-21	79,359,651
492	28/01/2021	Uchar/Logro Reservoir area File-2	2020-21	45,115,260
493	28/01/2021	Dam site Siglo-2 (File-3)	2020-21	44,840,531
494	28/01/2021	Dam site Siglo-2 (File-2)	2020-21	30,412,764
495	11/02/2021	Barseen Baily Bridge Right Side (File-II)	2020-21	8,121,145
496	11/02/2021	Siglo-2 File-2	2020-21	3,906,508
497	11/02/2021	Sazin Limit to Sazin Nala PT-01	2020-21	1,926,201
498	11/02/2021	Barseen Baily Bridge Right Side (File-III)	2020-21	1,074,343
499	11/02/2021	Kaigah Quarry Area-II	2020-21	55,574,343
500	11/02/2021	Siglo-2 File-1	2020-21	54,605,040
501	11/02/2021	Baily Bridge Barseen /Koma Site-01	2020-21	14,764,410
502	11/02/2021	Gobar Nallah to Shukrait Nallah	2020-21	14,737,030
503	11/02/2021	Dam Site Siglo-2 File-1 (Additional Funds)	2020-21	640,769
504	22/02/2021	Siglo-3 File-1	2020-21	63,143,402
505	22/02/2021	Siglo-1 File-2	2020-21	24,788,900

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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	Millar 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	Millar 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	Millar 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	Millar 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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

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

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

5.3 Details of Interim Payment Certificates

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

5.4 Details of Claims/Notifications

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

5.5 Variations Status

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

5.6 Contract Information and Status of Guarantee & Insurance

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

6 OHS MANAGEMENT ACTIVITIES

6.1 Major Project Activities in the Reporting Month

The following are the major construction activities in the Project:

- Continue construction of cut-off wall for preventing seepage in starter dam
- Blasting and removing spoils at KKH-02 at Km 26, Km 34, Km 35, Km 36, and Km 30.
- Blasting and removing spoils at RAR-02 Dugah and Kandia Bypass
- Construction of Komilla by-pass
- Construction of K9 tunnel
- Construction of K6 tunnel
- Construction of Logro-B tunnel
- Construction of Dugah tunnel
- Construction of Uchar bridge
- Construction of 132kV grid station
- Construction of project colony

6.2 Incident Statistics and Description for the Reporting Month

A – Recordable Injuries (Work Related)

Contract Package	Incident Category								Total Incidents till Reporting Month (A+B)
	To End Previous Month				During Reporting Month				
	Fatal	LTI	MTC	Total (A)	Fatal	LTI	MTC	Total (B)	
KKH-01	1	10	9	20	0	0	0	0	20
KKH-02	2	0	1	3	0	0	0	0	3
RAR-01	1	8	4	13	0	1	0	1	14
RAR-02	0	1	3	4	0	0	0	0	4
132kV TL	3	1	0	4	0	0	0	0	4
MW-01	3	51	7	61	0	0	0	0	61
MW-02	1	18	4	23	1	0	0	1	24
LBRV-11 &12	2	1	1	4	0	0	0	0	4
PCI-01R	3	10	1	14	0	0	0	0	14
Dasu-RV	1	0	0	1	0	0	0	0	1
LADP-IKAN	0	1	0	1	0	0	0	0	1
LADP-RHC	0	1	0	1	0	0	0	0	1
DHC	0	8	3	11	0	0	0	0	11
PMU	0	1	0	1	0	0	0	0	1
Total	17	111	33	161	1	1	0	2	163

B – Personal Injury (Non- Work Related)

Contract Package	Incident Category								Total till Reporting Month (A+B)
	To End Previous Month				During Reporting Month				
	Fatal	LTI	MTC	Total (A)	Fatal	LTI	MTC	Total (B)	
KKH-01	0	0	0	0	1	0	0	1	1
KKH-02	0	0	0	0	0	0	0	0	0
RAR-01	1	0	1	2	0	0	0	0	2
RAR-02	0	0	0	0	0	0	0	0	0
132kV TL	0	0	0	0	0	0	0	0	0
MW-01	1	3	0	4	0	0	0	0	4
MW-02	1	1	0	2	0	0	0	0	2
PCI-01R	0	0	0	0	0	0	0	0	0
DHC	0	0	0	0	0	0	0	0	0
PMU	0	0	0	0	0	0	0	0	0
Total	3	4	1	8	1	0	0	1	9

C – Machinery Damage

Contract Package	Incident Category						Total Incidents till Reporting Month (A+B)
	To End Previous Month			During Reporting Month			
	Major Damage	Minor Damage	Total (A)	Major Damage	Minor Damage	Total (B)	
KKH-01	17	13	30	0	1	1	31
KKH-02	0	2	2	1	0	1	3
RAR-01	4	3	7	1	0	1	8
RAR-02	0	1	1	0	0	0	1
132kV TL	0	2	2	0	0	0	2
MW-01	7	19	26	1	1	2	28
MW-02	4	7	11	0	0	0	11
LBRV-11/12	1	6	7	0	0	0	7
PCI-01R	0	1	1	0	0	0	1
DHC	3	6	9	0	1	1	10
Total	36	60	96	3	3	6	102

6.2.1 Description of Incidents/Accidents (Work Related)

Date of Incident	Location	Contract	Description of Incident	Category	Body Parts Effected	Reporting/ Corrective Action	Status
30 th April, 2023	Existing KKH near LBTT	MW-02	At around 03:20 am, a CGGC dump truck was traveling on KKH near LBTT. The driver was alone and the dump truck was not carrying any load. As the driver approached a turn, the dump truck changed lanes and drove further towards the edge until it fell-off in the Indus River resulting in death of the driver.	Fatal (1)	Multiple Injuries & Drowning	RCA in progress	Open
10 th April, 2023	Komila Bypass RD K0+400	RAR-01	At around 08:30 am, two workers were shifting wooden planks from a stockpile close to partially demolished block masonry walls. While trying to lift a wooden plank, Worker 1 hit the left wall of the house which fell towards the front wall of 1.5-meter height. Worker 2 was passing the front wall when the wall fell and his left leg got caught in it resulting in fracture.	LTI (1)	Left Leg	RCA submitted via letter no. CCECC/PAK/DAS UFIELD/RAR-01/HSE-23-009	Open

6.2.2 Material Damage

Date of Incident	Location of Incident	Contract	Description of Incident	Category	Corrective Action	Status
15 th April, 2023	Continental Hostel Building	DHC	At around 10:20 am, the DHC minibus # GAH-293 was parked at the gate of Continental hostel building. Some part of the car was still outside the gate as other cars were parked inside and there was not enough space. The driver was alone and removing television sets from the rear. The open rear lid was covering part of the KKH road. A private truck # LZR 7201, carrying goats was traveling on the KKH passing through Komila Dasu. While passing the DHC parked vehicle, the driver didn't notice the open rear lid and hit it while crossing the parked car resulting in extensive damage to the rear lid.	Minor (MVC)	NA	Closed
13 th April, 2023	Uchar Crushing Plant	MW-01	At around 02:30 pm, a CGGC diesel tanker carrying diesel was travelling towards CR-02 from Barseen. The driver was speeding on KKH and was over the allowed speed limit. As he approached the Crush Plant, he lost control of the vehicle and tanker got overturned. The driver remained unharmed and fuel was contained as no spill was reported.	Major (MVC)	RCA pending	Open
09 th April, 2023	Existing KKH K-40	KKH-02	At around 03:30 pm, a CGGC wheel loader was cleaning material from the road after blasting in order to open the road for traffic movement. The operator filled last bucket of material to push it down the slope. As soon as he reached near the edge of road, he applied brakes but brake failed. The operator tried to utilize the bucket to halt the motion of loader but could not succeed as he was too close to the edge by then. The operator jumped off the loader and loader rolled down the slope and went approximately 20 meters below the existing KKH. The operator received minor injuries while the loader was completely damaged.	Major (MVC)	RCA pending	Open
08 th April, 2023	Existing KKH	MW01, MW02 & RAR02	The CGGC explosion proof minibus was transporting Chinese personnel from Islamabad to Barseen Camp Dasu. While driving on KKH near LBTT, an oncoming local pickup truck struck against the right side of the CGGC minibus and overturned. According to the eyewitnesses the local vehicle was speeding on KKH and could not control the vehicle.	Minor (MVC)	NA	Closed
04 th April, 2023	Barseen Camp	MW01, MW02 & RAR02	At around 04:28 am, a major fire broke out in the Barseen main store room. The store room was locked at time of incident and no one was inside. The fire was noticed once it had engulfed the store room completely from inside. The CGGC tactical response team initiated firefighting operation with the help of Rescue 1122 and TMA from Upper Kohistan and Rescue 1122 from Lower Kohistan and Rescue 1122 from Shangala. The fire extinguished at around 12:30 pm.	Major	RCA pending	Open
03 rd April, 2023	Dugah Tunnel	KKH-01	At around 06:10 pm, CCECC Dump truck # 04 was traveling to dispose excavated material to dumping site. The brake of dump truck failed when it reached near Kaigah and steering got locked. The driver lost control of the dump truck and it struck against a parked excavator on the road. The front of the dump truck was damaged and driver got minor injury on hand.	Minor (MVC)	NA	Closed
01 st April, 2023	Komila Bypass RD K0+035	RAR-01	At around 06:15 am, a land slide occurred on Komila Bypass which extended to existing KKH and blocked the traffic movement on the road. (4) light vehicles including (2) sedan cars and (2) Suzuki Bolan Cars owned by local community members were parked on the edge of the Komila Bypass Road, got caught in the slide and were thrown down to KKH. (1) CCECC dump truck was also parked there which was partially damaged by the slide. In total (5) vehicles were damaged due to land slide	Major (MVC)	NA	Close

6.2.3 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	RAR-02	KKH-02	EM-01	DHPP Total	Target
Number of Staff/Workers Monthly	388	540	119	1015	43	1800	1850	176	181	305	90	6507	
Number of Staff/Workers in running year (Annual)	737664	1023552	243072	1094784	94848	3161280	3157056	409344	204672	408576	99840	10634688	
No. of Recordable Injuries & Illness (RI) Monthly	0	0	1	0	0	0	1	0	0	0	0	2	
No. of Recordable Injuries & Illness (RI) in running year	0	2	2	3	1	14	5	4	4	3	0	38	
Incidence Rate (TRIR of running year) *	0	0.3	1.6	0.5	2.1	0.8	0.3	1.9	3.9	1.4	0	0.7	0.8 ¹
Fatality Case Monthly	0	0	0	0	0	0	1	0	0	0	0	1	
Fatality Case (FAT) in running year	0	0	0	0	1	1	2	0	0	2	0	6	
Fatality Frequency Rate (FFR) of running year	0	0	0	0	2.1	0.06	0.1	0	0	0.9	0	0.1	
Lost time injuries (LTI) Monthly	0	0	1	0	0	0	0	0	0	0	0	1	
Lost time injuries (LTI) in running year	0	2	1	1	0	10	3	4	1	0	0	22	
LTI Frequency Rate (LTIFR of running year)**	0	0.3	0.8	0.1	0	0.6	0.1	1.9	0.9	0	0	0.4	0.5 ²
First-Aid Cases (FAC) Monthly	0	0	0	7	0	1	0	2	0	1	0	11	
First-Aid Cases (FAC) in running year	0	0	0	33	3	15	11	14	0	3	0	79	
FAC frequency rate (FACFR of running year)	0	0	0	6.02	6.3	0.9	0.6	6.8	0	1.4	0	1.4	
Medical Treatment Cases (MTC) Monthly	0	0	0	0	0	0	0	0	0	0	0	0	
Medical Treatment Cases (MTC) in running year	0	0	1	2	0	3	0	0	3	1	0	10	
MTC frequency rate (MTCFR of running year)	0	0	0.8	0.3	0	0.1	0	0	2.9	0.4	0	0.1	

Metrics	PMU	DHC	RAR-01	KKH-01	TL-01	MW -01	MW-02	PCI-01	RAR-02	KKH-02	EM-01	DHPP Total	Target
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	2	2	2	0	0	0	6	
% NMI closed	0	0	0	0	0	200	100	100	0	0	0	120	100% ³
COVID19 cases	0	0	0	0	0	0	0	0	0	0	0	0	
COVID-19 per 100 workforces (CFR)	0	0	0	0	0	0	0	0	0	0	0	0	
No of OHS AFI attended by DHC	0	0	0	1	0	7	7	0	0	0	0	15	
No. of AFI approved	0	0	0	1	0	6	6	0	0	0	0	13	
No. of OHS EI issued by DHC	0	0	1	3	1	1	1	1	1	0	2	11	
NO of EI Closed	0	0	0	3	0	1	1	0	0	0	2	7	
% of OHS EI closed	0	0	0	100	0	100	100	0	0	0	100	63.63	
No. of OHS Training	0	2	4	7	3	2	3	2	7	5	1	36	
Training (No. Attendees)	0	2	49	67	55	94	115	37	85	205	9	718	
No. of OHS NCR issued	0	0	0	1	0	0	0	0	0	0	0	1	
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	31	43	15	540	540	9	70	162	19	1429	
TBT Participants of Contractors	0	0	411	211	157	1520	1570	140	910	1485	960	7364	
No of OHS walk-through-Inspections by													
Contractor Management/ Senior Staffs	0	0	2	13	2	5	5	3	8	1	1	40	
DHC Management/ Senior Staffs	0	0	0	0	0	1	0	0	0	0	0	1	
DHC Supervisors	0	0	0	6	0	13	9	1	0	0	0	29	
Contractor Supervisors	0	0	0	234	3	30	30	5	38	164	3	507	
Unsafe Acts identified by DHC	0	0	0	3	0	36	9	3	0	0	0	51	
Unsafe Conditions identified by DHC	0	0	0	33	0	58	18	6	0	0	0	115	
No of Joint Inspections Conducted	0	0	0	0	0	1	0	0	0	0	0	1	

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

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

Please Note: Running year during May 2022 to April 2023 (Annual)

6.3 Safety Performance

During April 2023, 1 FAT (Fatal), 1 LTI, 6 MVC, 11 FACs and 5 near misses were reported.

6.3.1 Injuries and Illness Performance

During the reporting month, two recordable injuries and illness were reported that follows;

- one fatal incident (FAT) at MW-02
- one incident resulting in lost time injury (LTI) was reported at RAR-01.
- The total recordable injury rate (TRIR) and lost time injury frequency rate (LTIFR) for the DHPP from May 2022 to April 2023 are estimated as 0.7 and 0.4, respectively.

6.3.2 Unsafe Condition, Unsafe Act and Near-Miss

During the reporting month, DHC conducted different inspections and observed 51 unsafe acts, 115 unsafe conditions and 03 good practice. Most of UA, UC are related to MW-01, MW-02 and KKH-01 contracts.

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

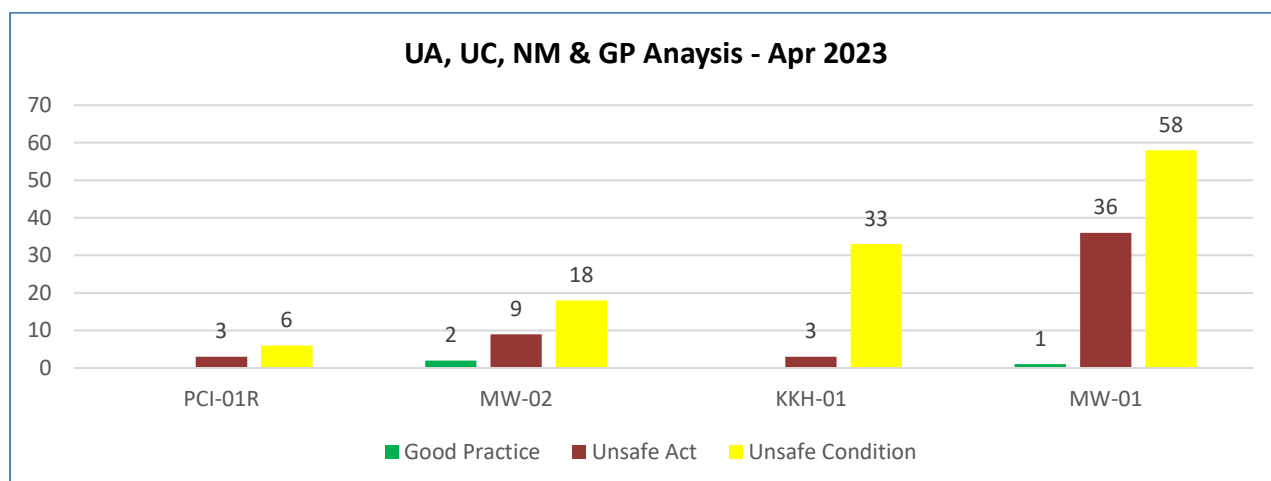


Figure: Contract-wise unsafe acts, conditions, and good practices

6.3.3 Incident Pyramid

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

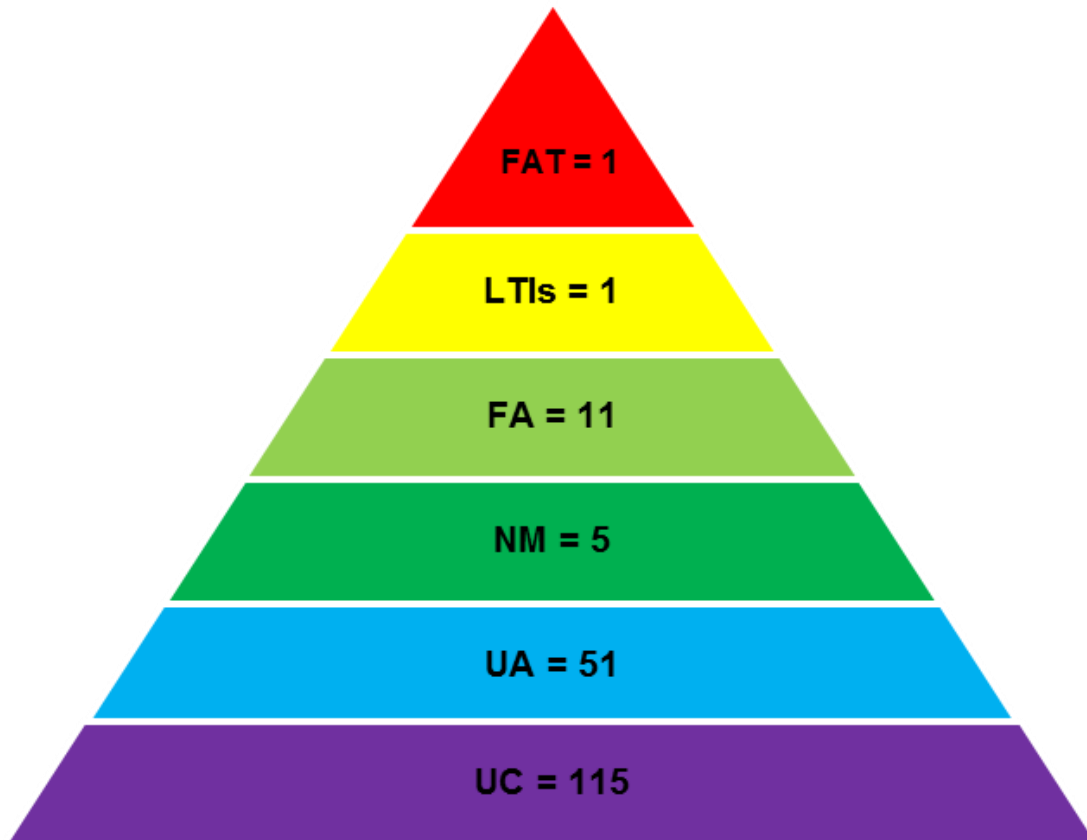


Figure: Incident Pyramid

6.3.4 Monthly OHS Progress Review Meeting

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

Table 6.2: Status of Outcomes Monthly Progress Review Meeting

Sl.	Contract	OHS MoM Status During the Reporting Month				
		Total	Open	Partially closed	Closed	New Items added
1	MW-01	29	15	3	8	3
2	MW-02	30	15	3	8	4
3	RAR-01	16	2	1	10	3
4	RAR-02	21	7	1	10	3
5	KKH-01	16	7	4	2	3
6	KKH-02	22	10	2	7	3
7	PCI-01	9	4	0	3	2
8	TL-01	11	4	0	4	3
9	EM-01	19	12	0	5	2
Total		173	76	14	57	26

6.3.5 Status of Non-Compliance Reports (NCRs)

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

Table 6.3: Status of NCRs since commencement of Project

Contracts	Previous Open	Open in April	Previous Closed	Closed during reporting month	Total
KKH-01	2	1	3	6	9
KKH-02	1	0	1	0	1
RAR-01	0	0	0	7	7

Contracts	Previous Open	Open in April	Previous Closed	Closed during reporting month	Total
TL-01	2	0	2	2	4
MW-01/02	4	0	4	46	50
PCI-01R	2	0	2	15	17
LBRV-11/12	0	0	0	2	2
RAR-02	1	0	1	2	3
LADP-SA01	1	0	1	0	1
LADP-JMK	0	0	0	1	1
Total	13	1	14	81	95

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

OHS team of DHC have conducted 1 joint inspection along with PMU and contractors. The results are shared with all stakeholders. Good observations were noted and the contractors were directed to improve the site conditions and enhance preventive measures and continue good practices at sites. The summary of joint inspection is presented in the Table below.

Table 6.4: List of Joint Site Inspections

Sl.	Contract	No. of Joint Inspection by DHC, WAPDA & Contractors	Highlights of the Inspection
1.	MW-01	1	MW-01 inspection was Conducted on 27-04-2023 at starter dam and highlighted issues were related to PPEs, dumpers tail gate, improper access, flammable fire shed and safeguards of rotating parts
2.	MW-02	0	
3.	RAR-01	0	
4.	RAR-02	1	RAR02 walk-through inspection was conducted by the management on April 8, 2023, which include Kandia camp, Fire Extinguishers in Barseen camp, and Barseen Explosive Magazine.
5.	KKH-01	0	
6.	KKH-02	0	
7.	PCI-01	0	
8.	TL-01	0	
9.	EM-01	0	
Total		2	

In the reporting month 1 joint inspection was conducted at different contracts and locations. The Concerned contractors were directed to rectify the observations within given time frame. Detail reports of each inspection was recorded for follow-up rectifications.

6.3.7 Training and Capacity building:

6.3.7.1 Training Offered by DHC OHS Staff

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

Sl. No.	Trainings arranged by DHC				
	Date of Training	Subject of Training	Trainer	Target Group	No. of Participants
1.	April 12, 2023	Induction Training	Mr. Neil Napoleon (DHC OHS Lead)	DHC New Employees	1
2.	April 04, 2023	Induction Training	Mr. Azmat Farooq (Sr. OHS Professional)	DHC New Employees	1
Total					02

6.3.7.2 Training ISO 45001:2018 Lead Auditor (SMS) Safety Management System

In addition to above, a specialized ISO 45001 lead auditor training session was conducted by Bureau Veritas (Pakistan) PVT LTD. at the DHP site from 13th April to 17th April 203 for DHPP staff, including PMU, DHC, and contractors. The primary objective of this training was to fulfil the audit requirements and enhance the skills, techniques, and standards necessary to create a safe and healthy workplace. The training was delivered by a certified and an experienced Bureau Veritas trainer with extensive knowledge in ISO 45001 and lead auditing. The selected candidate attended this first training session and gained a comprehensive understanding of the ISO 45001 requirements, risk assessment, emergency preparedness and response, and compliance with legal and regulatory requirements. Next two session of similar training is planned in next month.



Figure: Training ISO 45001:2018 (SMS) Safety Management System

6.3.7.3 Site and Job Specific Training Offered by Contractors

Details of trainings offered by the Contractors are presented below:

Sl. No	Contract	Number of Trainings during Reporting Month	No. of Participants
1.	RAR-01	4	49
2.	RAR-02	7	85
3.	KKH-01	7	67
4.	KKH-02	0	0
5.	TL-01	3	55
6.	MW-01	2	94
7.	MW-02	3	115
8.	PCI-01	2	37
9.	EM-01	1	9
Total		29	511

6.3.7.4 Tool-box Talks by the Contractor

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

Sl. No	Contract	Number of TBTs during Reporting Month	No. of Participants
1.	RAR-01	31	411
2.	RAR-02	70	910
3.	KKH-01	43	211
4.	KKH-02	0	0
5.	TL-01	15	157
6.	MW-01	540	1520
7.	MW-02	540	1570
8.	PCI-01	9	140
9.	EM-01	19	960
Total		1267	5879

6.3.8 Plant and equipment Inspection

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

Contract Package	Total Inspections Conducted till Previous Month		Total Inspection Conducted														Total Inspections Conducted till Reporting Month			
			Light Vehicles		Dump Trucks		Excavators		Jumbo and Conventional Drills		Shotcrete Jumbo Machines		Bucket Loaders		Other					
	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized	Approved	Seized		
KKH-01	42	28																	43	28
KKH-02	38	8	3			1		1											41	10
RAR-01	41	18																	41	18
RAR-02	1	1																	1	1
132kV TL	19	5																	19	5
MW-01	61	16					1		1								1		64	16
MW-02	111	20									1								112	20
PCI-01R	14	0																	14	0
EM01	10	1																	10	1
DHC	119	26	4																123	26
Total	456	123	7	0	0	1	1	1	1	0	1	0	1	0	1	0			468	125

6.3.9 Covid-19 Cases

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

Sl.	Organization	Number of Employees	Cumulative Positive Cases till previous Month (A)	Positive Cases Reported this Month (B)	Total Number of Deaths till Date	Cumulative Positive Cases till Date (A+B)
1.	WAPDA	388	13	0	1	13
2.	DHC	540	84	1	0	85
3.	MW-01 and MW-02, KKH-02, RAR-02	4136	124	0	0	124
4.	KKH-01 & RAR-01	1131	24	0	0	24
5.	PCI-01R	176	16	0	0	16
6.	TL-01	43	0	0	0	0
7.	EM-01	90	0	0	0	0
Total		6504	261	1	1	262

6.4 General

6.4.1 High-Level OHS Management

The International Environment Advisor B/ OHS Expert supported the field team in the following matters during the reporting month:

- Reviewed field progresses, prepared agenda for weekly OHS meetings, send zoom invitations to all participants, attended, and moderated weekly OHS meetings with DHC, PMU, and the World Bank. The following are the major highlight of the weekly OHS meetings in the reporting month of April 2023 with action plan:

Date	Agenda Items	Action Proposed	Status
April 19, 2023	Protest of Local Workers for the alleged blasphemy by the Chinese Worker	Train interpreter to create awareness about the religious sensitivity and restrict sharing the sensitive information to the worker, instead trigger them to the management for remedial action.	Instruction issued and Power point Presentation created on May 2, 2023 for expatriates as corrective action.
	Flood due to severe rainfall. Torrential rain caused mudslide in Uchar Naullah.	Culvert washed away and replacement of the culvert was in progress. Investigate to see whether spoil disposal is partly responsible for the narrow down of the Uchar Naullah and eventual cause of flood	There was no spoil disposal take place in Uchar Naullah.
	Traffic Management Plan	The mobilization of international Road Safety and Traffic Management (RSTM) Specialist overdue. Wait few more weeks to see the performance of the national traffic engineer.	An RSTM Specialist (Mr. Nagura Michiya) mobilized recently, he will finalize the traffic management plan.
	ISO 45001 Training	Participants are encouraged to appear in final exam to obtain Lead Auditors Certificate.	DHC OHS will follow-up
	Roll over incident of loader at Km 40 of KKH02 while pushing material down. Operator jumped out of the loader and saved himself	Conduct risk assessment for work at the mountain slope. Enhance training for the loader operator. Engage flagman to assist loader operator.	Communicate these recommendations to all Contractors.
	Partial water diversion through DTA	Successful water diversion through Diversion Tunnel A without any concern.	-
April 12, 2023	Update on Fatal Incident of March 30, 2023 at Siglo Crushing Plant	Conduct autopsy by a reputed organization in Islamabad. Investigate why Energy Isolation (LOTO) procedure was not followed by the Contractor as per SOP20. Prepare training materials on Energy Isolation/LOTO and ensure 100% employees of Crushing Plant are trained in LOTO.	Autopsy is in progress. ICAM corrective action included LOTO procedure and training.
	Update on CCECC Supplier's Worker Death of April 4, 2023	The incident was a natural cause of cardiac arrest and determined a non-work related incident. Therefore, no further investigation was conducted.	-
	Update on Fire incident at Barseen Chemical Warehouse, April 3, 2023	Engage Rescue 1122 and Police to investigate the incident.	Investigation report will be submitted to PMU.
	PMU Meeting with Contractor's Top Management	Prepare a commitment letter to be signed by all parties. Organize similar meetings in every quarter or bi-annual.	Commitment letter signed by all parties on April 12, 2023
	Injury of RAR01 Worker on April 10, 2023	Conduct risk assessment and update the risk matrix. Provide training to the workers on the risks and control measures.	CCECC to share updated risk assessment.
April 5, 2023	Dumper without Tailgates	The issue has been in discussion for long period of time. DHC OHS to bring the matter with the Resident Engineers of both MW01 and MW02 contracts and work jointly to devise a plan to deduct fund from the Contractors' IPC.	The decision was communicated with CGGC. CGGC is in the process of installing tailgates in their dumper.
	Fatal Incident on March 30, 2023 at Siglo Crushing Plant	Conduct a thorough risk assessment in the crushing plant and identify high risks and devise control measures.	ICAM report provided further action plan for the contractor.
	Fire incident at Barseen Chemical Warehouse, April 3, 2023	Conduct detailed investigation to find out the root cause.	Government depart will submit the investigation report to PMU.

- Prepared agenda for Monthly OHS meeting for RSA/RSC and attend the meeting.
- Reviewed and edited March 2023 monthly progress report, and
- Review and edit ICAM report by DHC OHS for March 30, 2023 fatal incident of MW01 at Siglo crushing plant.

6.4.2 OHS Systems and Procedures

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

6.4.3 OHS Underground Works

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

7 SOCIAL AND RESETTLEMENT MANAGEMENT ACTIVITIES

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

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

7.1 Land Acquisition and Compensation Payment

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

7.1.1 Land Acquisition Status

As per updated status of Land Acquisition obtained from the Land Acquisition Section of the Deputy Commissioner's Office, Dasu, Kohistan Upper, a total land of about 4,830 acres has been awarded / acquired by the end of April 2023. It includes 729 acres of land (Batch-1) awarded before ECNEC decision (November 2019) and 4,101 acres of land acquired after ECNEC decision (after November 2019). The land awarded after ECNEC decision; includes, 397 acres land acquired through compulsory acquisition and 3,704 acres land acquired under private negotiation. A total of 48 acres of land was acquired during the reporting month, while the acquisition of remaining (208 acres) land is under process, however the land could not be acquired by the due date (31st March 2023) mainly due to the elevation issue in Shatial (161 acres), land under process of compulsory acquisition (07 acres), land under process of Registration Deed Signing (40 acres). Batch-wise land acquisition status by April 2023 is given below.

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

Batch	Total Land To Be Acquired	Land Acquired	Remaining Land To Be Acquired	Status
Batch-1	729	729	–	Possession of 100% land has been taken over by WAPDA.
Batch-2	957	957	–	Possession of 100% land has been taken over by WAPDA.
Batch-3	1,554	1,517	37	The possession of 100% of the 98% acquired land has been taken over by WAPDA. The acquisition of remaining (2%) land is under process.
Batch-4	981	981	–	Possession of 100% land has been taken over by WAPDA.
Batch-5	817	646	171	Acquisition of remaining land is under process. The possession of 471 acres (79%) of the acquired land has been taken over by WAPDA.
Total	5,038	4,830	208	The possession of 4,655 acres (96%) of the acquired land has been taken over by WAPDA

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

7.1.2 Status of Compensation Payments

During the month of April 2023, a total amount of PKR 19.49 billion was paid, including PKR 19.147 billion to 7,960 PAPs through 11,782 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 the data verification process carried out in April 2023, three duplicate cheques for the total amount of PKR 25,891,340/- were removed from database after cross-checking with Qabzul Wasool and the amounts were corrected.

S. No.	Components	Status by Mar 2023			Status during Apr 2023			Grand Total
		# of PAPs	# of CHQ	Amount (In Billion)	# of PAPs	# of CHQ	Amount (In Billion)	
1	All Components	7,959	11774	19.143	7	8	0.004	19.147

During April 2023, an amount of PKR 4,210,884/- was paid as compensation payment to 07 PAPs of 04 components. A total of 08 cheques were issued by DC office during the reporting month. Component wise detail of payment is given in table below:

Table 7.2: Compensation Paid during the Reporting Month

S. No.	Component	PAPs	Cheques	Amount
1	Lachi Nullah Reservoir Area File-5	2	2	2,034,014
2	KKH-02 Additional Land Looter to Shukrait Nalla Area 1A	3	3	477,714
3	KKH-02 Looter	1	1	21,781
4	KKH-02 Awai to Looter Part (A)	1	2	1,677,375
	Total	38	47	4,210,884

7.1.3 Land Revenue Survey:

The revenue survey of almost all components have been completed. Thus, no revenue survey was conducted during the month of April 2023

7.1.4 Draft Sections/Corrigendum issued.

No sections/corrigendum issued during the month of April 2023

7.1.5 Meeting of Compensation Disbursement Committee (During the Reporting)

No CDC meeting was held during the month of April 2023.

7.1.6 Cost Assessments and Verifications

Verification of cost estimates of built-up property, fruit, and non-fruit trees of all received components has been completed and funds have been transferred to the LAC account for further process of land acquisition. No further estimate for verification was received during the reporting month.

7.1.7 GIS Verification

The GIS Team received revenue record of Kass area 02 for reverification and for issuance of revised GIS certificate using 2016 Satellite imagery, as these files are initiated for compulsory land acquisition due to land disputes causing delay in taking over land on lease. The GIS team processed the files during the reporting month and sent back the cases to LAC/DC Office with observations for record rectification. In this regard, GIS team worked on revenue data, clip satellite imagery of AOI, carried out geo-referencing and rectification of masavis and Satellite Imagery. Revivified revenue land type at SI-2016 and GIS land type and prepared observations. The details of Kass Area components are given in the Table below;

Sr. No.	Component	Area			Remarks
		Kanal	Marla	Sarsai	
1	Kass Disposal Area-1 File-3 Part 1 & 2	131	6	1	GIS observation sent to LAC at SI-2016 dated 08-04-2023.
2	Kass Disposal Area-1 File-1 Part 1	04	14	5	GIS observation sent to LAC at SI-2016 dated 09-04-2023.
	Total	136	0	6	

7.1.7.1 Court Cases:

Received Notices / Summons from Dasu Civil Court and Dasu Senior Civil Court to the name of In-charge GIS section related to GIS Verification's related concerns of the PAPs. DHC GIS section prepared the brief on each case and organize information / data accordingly (Revenue data, GIS based Satellite images, GIS certificates) of many components and appeared in Session, Civil and Senior Civil Courts.

Sr. No.	Case No.	Component
01	Case No. 60 & 104 (Sher Khan Group)	Kot Gal-2 Reservoir Area-2 Appeared in Sr. Civil Judge court with record but applicant was absent dated 21-02-2023. Next hearing was 28-02-2023, but GIS team could not attend court due to Shatial Harban area's official visit with line department. Court given new date (20-03-2023) of hearing to GIS team to come along with lawyer and the required record. GIS team prepare data of selected khasra's and appeared in court dated 20-03-2023 but new date given 4-4-2023 and after that date 2-5-2023 was given by the court.
02	Case No. 117 (Miss Noor Malka)	Kotgal Reservoir area. Applicant have some reservation at khasra no. 231 about land type. GIS team prepared data of the khasra and appeared in court dated 4.08.2023. But opponent lawyer did not appear and the judge had given new date 05.05.2023.

7.1.7.2 Commercial Structure Maps with Data.

Prepared GIS maps of various components (listed below) to show Khasras of commercial structure based revenue data:

- i. Looter Reservoir Area-1
- ii. Looter Reservoir Area-2
- iii. KKh-02 Looter to Shukrait Nallah
- iv. Uchar Thoki Contractor Camp-2
- v. Gadeer Reservoir area-1
- vi. Gadeer Reservoir area-2
- vii. WAPDA Colony Chuchang
- viii. RAR-02 Dogah Area
- ix. Baily Bridge Gummon Looter Area-1

7.1.7.3 Built-up / Household Structure Maps with Data.

Following land acquisition components maps prepared with residential khasra data sheets.

- i. Updated map of KKH-02 looter to Shukrait Additional area
- ii. KKH-02 Looter to Shukrait Nallah ROW
- iii. Tailrace add. Area -2 at Kuz Chuchang
- iv. Updated Siglo-2 File-1 area.

7.1.7.4 Other Activities Carried Out by GIS Team:

- GIS team prepared update maps / presentation of acquire land according to survey boundaries and massavies of KKH-02 Kaigah to Awai Additional areas and KKH-02 ROW limit issue and present to DG SS, Director S&R, Advisor to WAPDA authorities, Chief S&R DHC in WAPDA meeting Hall.
- Measured distance of all contractors from working sites to residential facilities i.e. Grid Station, KKH-02 different working sites, Main works area, RAR-02 different working sites, Komila Bypass, KKH-01 working sites, Emergency response from working sites to health facilities for GM/PD WAPDA and for security agencies.
- Marked Education facilities, Health facilities and DHPP activities (Crush plant. Batching plant) at SEO area.
- Prepared maps of Siglo-2 File-3 houses and boundaries of required areas for Main DAM work activities for MW-01 section DHC.
- Prepared maps of Existing KKH from Thakot Bridge to Raikot Bridge and Relocated KKH-01 & 02 under DHPP with distances from different locations along KKH at Satellite imagery for GM/PD WAPDA.
- Visited different locations of DHPP for drone imagery for WAPDA, Contractors, Consultants offices, Residential facilities, working sites for security planning.
- Project Road map with Relocated KKH-01, KKH-02, RAR-01 and RAR-02 road data prepared for PM DHC.

7.1.8 Status of Land Lease of Kass

On an overall, about 83% of Kass Area has been taken over on lease by WAPDA, while 17% is yet not taken-over, mainly due to ownership disputes & court cases. Therefore, this remaining land area is requested to acquire instead of lease after long waiting of resolution of title disputes and Jirgas with the concerned community. The land acquisition of remaining 17% is under process. This 17% area mainly lies in Kass Area-01 (File-3). Details of four land components (files) of Kass Area is as under;

Sr. No	Component	Total Area (Kanals)	Overall Status
1	Kass Disposal Area-1 (File-1) Part-1 & 2	413.73	99% of the area is taken over by WAPDA and handed over to E&M Contractor
2	Kass Disposal Area-1 (File-2)	223.27	100% area is taken over by WAPDA and handed over to CGGC Contractor
3	Kass Disposal Area-1 (File-3) Part-1 & 2	457.10	71% area taken over and handed over to CGGC while the remaining area is disputed and not taken over
4	Kass Disposal Area-2	393.85	100% area taken over and handed over to CGGC Contractor
	TOTAL	1487.95	Overall 83% area has been taken over and handed over to the contractor

Kass Area-1 (File- 2) and Kass Area-2 has been handed over to CGGC. Similarly, major portions of Kass Area-1 (File-1) and Kass Area-1 (File-3) has also been handed over to E&M and CGGC contractors. However few houses have title disputes and lease amount cannot be paid to these owners, which is now under land acquisition process.

7.2 Development of Resettlement Sites and Relocation

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

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

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

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

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

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

7.2.2 Progress and Issues of Under Construction Resettlement Sites

During the reporting month Social & Resettlement team along with infrastructure planned and carried out a series of field visits to the ongoing resettlement sites particularly to the M/S Zhongmei contracted RVs under the package LBRV 11 & 12. The purpose of these visits was to assess/oversee the completion status of work on each RV. The Zhongmei Contractor completed the plot development, sewerage system, access road and link roads, and slope stability works on the five resettlement sites under LBRV-11 & 12 in November 2022 as the contract time has been finished, however some pending works as well as defective works are yet to be done which is being followed by the Infrastructure team.

Site-wise progress and issues of all five Resettlement site is summarized in Table below.

Sr. No	Resettlement Site	Progress during the reporting month.
1	Nasirabad Resettlement Site-1	<ol style="list-style-type: none"> 1. Total 46 plots developed at the site and exist 2. Construction of Access Road completed and exist. 3. Construction of Sewerage including Sewerage line system, Manholes, Septic Tank, Anaerobic Tank completed and exist while Soak pits yet not constructed 4. Construction of Mosque including ablution area has been completed and exists. Internal/External Electrification of Mosque including Wiring, Switch boards and distribution board installed while Switch boards, Ceiling Fans, Wall bracket Fan and Public Address system (Loudspeaker) yet not fixed. 5. Water Supply i.e. (1) Internal Water Supply) including Water Storage Tank, Pipelines& Sluice Valves constructed (2) External Water Supply yet not connected 6. Construction of Retaining/Breast walls at site constructed 7. For Slope protection shotcrete done behind the plots. 8. Graveyard yet not constructed
2	Nasirabad Resettlement Site-2	<ol style="list-style-type: none"> 1. Total 19 plots developed at the site and exist 2. Construction of Access Road completed 3. Construction of Sewerage including Sewerage line system, Manholes, Septic Tank, Anaerobic Tank, completed and exist while Soak pits yet not constructed 4. Construction of Mosque completed and exists. Internal/External Electrification of Mosque including Wiring, Switch boards and distribution board installed while Switch boards, Ceiling Fans, Wall bracket Fan and Public Address system (Loudspeaker) yet not fixed. 5. Water Supply i.e. (1) Internal Water Supply) including Water Storage Tank, Pipelines& Sluice Valves constructed (2) External Water Supply yet not connected 6. Construction of Retaining/Breast walls at site constructed 7. For Slope protection shotcrete done behind the plots. 8. Graveyard yet not constructed
3	Uchar Resettlement Site-1	<ol style="list-style-type: none"> 1. Total 27 plots developed at the site and exist 2. Construction of Access Road completed 3. Construction of Sewerage including Sewerage line system, Manholes, and Septic Tank completed and exist while Soak pits and Anaerobic Tank yet not constructed 4. Construction of Mosque including ablution area have been completed and exists. Internal/External Electrification of Mosque including Wiring, Switch boards, distribution board, Switch boards, Ceiling Fans, Wall bracket Fan and Public Address system (Loudspeaker) have been installed. 5. Water Supply i.e. (1) Internal Water Supply) including Water Storage Tank, Pipelines& Sluice Valves constructed (2) External Water Supply including Intake structure and main supply line is in progress. 6. Construction of Retaining/Breast walls at site constructed 7. For Slope protection shotcrete done behind the plots. 8. Graveyard yet not constructed
4	Khushi Resettlement Site-1	<ol style="list-style-type: none"> 1. Total 65 plots developed at the site and exist 2. Construction of Access Road completed 3. Construction of Sewerage including Sewerage line system, Manholes, and Septic Tank completed and exist while Soak pits and Anaerobic Tank yet not constructed 4. Construction of Mosque completed and exists. Internal/External Electrification of Mosque including Wiring, Switch boards and Distribution board completed while Switch boards, Ceiling Fans, Wall bracket Fan and Public Address system (Loudspeaker) yet not fixed. 5. Water Supply i.e. (1) Internal Water Supply) including Water Storage Tank, Pipelines& Sluice Valves constructed (2) External Water Supply yet not connected 6. Construction of Retaining/Breast walls at site constructed 7. For Slope protection shotcrete done behind the plots. 8. Graveyard yet not constructed
5	Khushi Resettlement Site-2link-1	<ol style="list-style-type: none"> 1. Total 10 plots developed at the site and exist 2. Construction of Access Road completed 3. Construction of Sewerage including Sewerage line system and Manholes, completed and exist while Septic Tank, Anaerobic Tank and Soak pits yet not constructed 4. Construction of Mosque yet not started. 5. Water Supply Scheme yet not started. 6. Construction of Retaining/Breast walls at site constructed
6	Chuchang Site-1	Construction of Mosque is in Progress
7	Chuchang Site-4	No social issues reported during the month

7.2.3 Status of ESMR Files Preparation and Payment

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

- By the end of reporting month ESMR package was paid to 1,287 AHHs of batch-1, 2, 3 and 4, total amount paid on account of ESMR is PKR 4,493.05 million.
- Preparation of AHHs files for payment of Extended Self-Managed Resettlement (ESMR) Package remained in progress. During April 2023, a total amount of PKR 178.00 million paid as ESMR package to 50 AHHs.
- The working committee prepared 12 missing files of batch-8 prepared and submitted to FVC for further process. These files include; 01 from Khushi, 02 files from Khushi, 07 files of Sigloo, one each from Sluch and Warisabad villages.
- The working committee also remained involve in completing the midding documents of 33 file of shareholders which were referred back from FVC. The FVC completed the verification of 53 ESMR file of more than one shareholder and submitted to RSC. RSC reviewed and scrutinized 25 files of shareholders and submitted to SMR-IS.
- During the reporting month more than 45 referred back files were also reviewed and returned to concerned committees with updated comments.
- The resettlement team also remained involve in scanning and preparing files for the payment of all other project allowances to the PAPs (who have received ESMR). The paid files were collected from the Deputy Commissioner's Office, scanned and prepared by placing additional documents for the payment of project allowances. During the reporting month, 45 files were prepared and submitted to WAPDA for the payment while a total of 831 files have been submitted to WAPDA so far for payment. Out of 831 submitted files, the project allowances have been paid to 422 cases / PAPs amounting to Rs. 11,191,738/- by end of reporting month.
- ESMR joint meeting held in WAPDA office on April 17, 2023. A total of 25 ESMR cases of various villages under "more than one shareholder" shareholders of (Batch-1) were reviewed and finalized.
- The S&R team also remained engaged in reviewing and replying number of applications regarding SMR from the community. The reply of priority applications was prepared and submitted.

7.2.4 Status of TRP Payment

At the end of March 2023, a total amount of PKR 101,683,447/- paid as TRP to 210 RVs (PKR 90,828,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. In addition, PKR 3,926,220/- were paid to 43 commercial structures of Barseen, Khushi, Siglo and Tailrace Kuz Chuchang Area.

During the reporting month, an amount of PKR 90,000/- paid for Temporary Relocation Package to an affected HH of Khushi to Logro components. M&E team conducted a verification exercise, updated missing entries and corrected components in the database.

S. No	Component	Status by Previous Month			Status during Reporting Month			Grand Total
		RVs	Self	Amount	RVs	Self	Amount	
1	Additional ROW (KKH-01)	6	4	4,996,086	0	0	-	4,996,086
2	Bar Chuchang	1	3	723,869	0	0	-	723,869
3	Khushi Access Road to Ventilation Tunnel	13	1	6,905,800	0	0	-	6,905,800
4	Khushi Dumping	9	8	6,141,191	0	0	-	6,141,191
5	Khushi to Logro	58	0	12,535,000	1	0	90,000	12,625,000
6	KKH-01 (ROW)	34	22	27,307,961	0	0	-	27,307,961
7	Logro	43	0	23,396,616	0	0	-	23,396,616
8	RAR-01 (ROW)	16	26	9,245,959	0	0	-	9,245,959
9	Uchar Thoki (Uchar Contractor Camp-2 Thoki)	15	0	3,275,000	0	0	-	3,275,000
10	WAPDA Offices and Coloney Chuchang	1	0	416,447	0	0	-	416,447
11	Zhongmei Camp	4	1	2,658,200	0	0	-	2,658,200
12	Khushi Access Road	0	18	2,263,741	0	0	-	2,263,741
13	Tailrace Area Kuz Chuchang	10	3	1,727,577	0	0	-	1,727,577
Total		210	86	101,593,447	1	0	90,000	101,683,447

7.2.5 Status of demolished Houses

Deputy Commissioner Kohistan constituted a Task Force Committee (TFC) for early relocation of Affected Households who have received all types of project allowances and agreed to relocate within seven days after receiving the payments. The Task Force serves notices to the AHHs and follow up to relocate as early as possible so the area could be handed over to the contractor. By the end of reporting month, 835 AHHs (of 1284 paid cases) has been relocated after demolishing their houses. The remaining cases are being followed up for early relocations.

7.2.6 Relocation of two government Schools:

As a result of the construction of the Komila bypass, one Government Schools in the project area are experiencing difficulties caused by a landslide. The relevant departments are currently carrying out assessments to facilitate the prompt relocation of these schools. Here are the latest updates on the progress made thus far:

7.2.6.1 Government Middle School (GMS) Kuz Komila

Government Middle School (GMS) Kuz Komila is situated at Kuz Komila just some meters away from the mian Komila city.

On April 1, 2023, a massive land sliding occurred beneath the school reportedly due to the excavation and other activities of Komila bypass construction by the CCECC under Dasu hydropower Project (DHPP).

The school management and staff had serious concerns over the current position of the school and informed that after the occurrence of the land slide, students are not coming school due to the fear and risk of any potential disaster. The school management insisted the assessment team for early relocation of the institution on temporary basis.

a) Inspection and risk assessment of the School building

The targeted school was observed thoroughly from various angles and after detail assessment identified risks to which the school building is exposed currently, the school building got severe cracks in its walls, plinths and floor. The building including boundary wall of the school got severe cracks in it. Foot tracks which were leading to the school have been washed away. Changes/Amendments have been approved in the design of Komila Bypass and now the benching structures are under construction in order to protect the slop and land sliding in future course of time, the subject school will also likely to be affected by the benching activities of this bypass road.

b) Suggestions and Recommendations for the temporary Relocation of the School:

The DHC-WAPDA Field Assessment Team, School Management and the representatives of concern line department jointly propound the following suggestions and recommendations in line with the temporary relocation of Government Middle School Kuz Komila.

- As the building of the GMS Kuz Komila is in vulnerable to any potential disaster, due to two types of risks, 1) Land Sliding and 2) the benching activities of Komila bypass. Based on these facts all three parties strongly suggested for early relocation of the school on temporary basis.
- There are two possible options for the relocation of this school, the first option is to hire a building on rent, and the second option is to hire a piece of land in the Komila city and to install the prefabricated shelters.
- Necessary correspondence should be initiated with the concern education department. So that other necessary steps could be accomplished timely for the early relocation.

7.2.6.2 Government Primary School (GPS) and Government Girls Primary School (GGPS) Seer Gayal

The Contractor CGGC is working on the bypass at Seer Gayal for the construction of Right Access Road-02 (RAR-02). Now the construction work/Activities reached just near to the Government Primary School (GPS) and Government Girls Primary School (GGPS) Seer Gayal, hence both of the mentioned school buildings have to be relocated on urgent basis in order to avoid any delay in the contractors work on bypass and RAR-02.

On April 14th 2023, the S&R team organized a joint field visit along with XEN (Civil) WAPDA, RE RAR-01 DHC and Program Manager of CGGC for the relocation of both schools on urgent basis. CGGC representatives briefed the officials about the length and line of the bypass road and requested to relocate the school buildings.

a) Consultation Meeting with the School Management and Community Elders:

A meeting was also held with the school management and the community members in which notables, influential, religious leaders, local bodies' representatives and the youth segment participated. The agenda was shared with the meeting participants. RE DHC and Xen (Civil)

WAPDA requested the community and school management to identify a piece of land which must be towards the river side.

Following suggestions and conditions were agreed by the joint visit team.

- Until and unless the other arrangements are not materialized the existing buildings of the schools may not be dismantled.
- Despite some of the grievances regarding providing job and fast processing of ESMR files, the community members and the school management shown their full cooperation in the temporary relocation of both schools.

b) Visit to the newly identified piece of land by the community for the temporary relocation of GPS-GGPS Seer Gayal.

After the successful meeting with the community and school management the joint visit team including the community notables and school management visited the piece of land which was identified by the community. The team observed the land from various angles and finally declared it feasible from all aspects.

7.2.7 Other Major Activities Carried Out by R&R Team

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

- During the month of April 95 Files of Commercial Structures were prepared and submitted to WAPDA for fund arrangement on 23-04-2023
- Revised handing taking documents of Resettlement site-1 Chuchang additional block have been submitted to WAPDA for early payment on 23-04-2023
- Cost estimate of project allowances for Vulnerable Group of the Project Area (Soniwals) affecting due to Dasu Hydropower Project DHPP was prepared and submitted to WAPDA on 23-04-2023 for obtaining NoL from the World Bank and arranging funds. Meanwhile, the Resettlement Team is preparing the individual files of each case (Soniwal HH) for the payment process. Total number of Soniwal HHs is 14 and an amount of Rs. 200,000/- will be paid to each household.

7.3 Public Consultation and Participation

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

7.3.1 Public Consultations Regarding Resettlement Sites

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

- **Nasirabad Resettlement Sites – 01 & 02**, the technical team is working for a feasible water supply source and pipeline route for the said site. The source and pipeline route that under consideration earlier was dropped due to some disputes among the community and land owners. Another source was proposed by Infrastructure, in this regard a meeting was held with community from Nasirabad resettlement sites 01 and 02 on April 15, 2023 at S & R Jirga Hall. The community was briefed about the issue and asked about the possibility of getting water from the alternate source i.e. Largani Nullah. The community told that there is no sharing for them in the Largani Nullah water. Moreover the water quantity in the said Nullah is also limited and would not be feasible. However, the community told to discuss the matter with elders and will hold a Jirga to resolve the water supply issue for Nasirabad 1 and 2.

7.3.2 Public Consultation 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.

- **KKH – 02**, the community of Dochbah stopped the work at K47 on KKH – 02 due to non-payment of ESMR for 07 AHHS. The community also told that the additional land has not been acquired so far yet the contractor has started the excavation work. It was told to them that the payment of ESMR is under process as well as for the acquisition of additional land.

- **Seer Gayal**, a joint visit was conducted with Infrastructure, Geology and Survey sections for the identification of land for the relocation Historical Masjid of Seer Gayal. Community proposed 02 sites for the needful. After the technical inspection, one site was declared non feasible by Geology team and the second site has some area in the RoW of RAR-02. It was decided that the area of original masjid will be calculated and joint team will visit again to assess the feasibility accordingly.

7.3.3 Other Major Activities Carried Out during the Reporting Month

Public Consultation and Participation section of DHC extended its services with Land Acquisition Cell (LAC) to assist Sub Registrar for completion of documents for private registration deeds to acquire land for various components i.e. Shatial Nullah to End Point Area 3, Shatial Nullah to End Point Area 4, Dugah End Point to Gayal Nullah File 1 and Gul e Bagh Area 1.

7.4 Income and Livelihood Restoration Program (ILRP)

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

The position of Junior Livelihood Professional was proposed to be re-designated as “Jr. Resettlement Professional”, which was approved during the reporting month and Junior Livelihood Professional is now working as Junior Resettlement Professional.

Under ILRP, DHC was engaged in conducting component-wise survey and preparing report on the “Utilization of Compensation Money”. The purpose of these surveys/reports was 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. DHC, by the end of the contract, prepared and submitted 13 reports on 39 components to WAPDA.

7.5 Local Area Development Program (LADP)

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

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

7.6 Public Health and Gender Implementation Plan (PHIP)

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

7.7 Gender Implementation Plan (GIP)

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

- Skill Development Course has been started, a total of 25 women and girls' have enrolled and are learning with keen interest actively. All the participants are enthusiastically working in a competitive manner, and giving maximum time to learn the skill, managing other household chargs through joined family setup. Participants also learnt numbers from 1 to 20 in order to be able for taking measurements in a professional way.
- Gender Awareness and sensitization 'Participants hand Book' in Urdu reviewed and is now at final stages.
- To promote healthcare and hygiene in the project area and to ensure that women have access to prenatal, postnatal and delivery services at local level, DHC has taken initiative to select local women for Lady Health Visitor (LHV) course. Local women will have full command over the local language and cultural dimensions. Women of the project area will be able to avail health services more confidently at their door step on regular basis.

LHV course is at initial stages and till now, a total of 35 candidates available after advertisement and their documents are collected. Letter of request to Secretary Health and Pakistan Nursing Council is sent for further steps with Provincial Health Services Academy (PHSA).

Visit and meeting was conducted with faculty and management of Public Health School Abbottabad, for their capacity of conducting LHV course. PHS has highly professional faculty, class rooms and labs. The school has quite neat, clean and, following gender sensitive environment

Draft undertaking for candidates has been developed in URDU with the consultation from Social & Resettlement team for streamlining the two years long course with a better discipline. The same is shared with Senior Management for a final review. Candidates and their mehrams have been oriented with, and will sign the undertaking, once approved by WAPDA, Office.

- In April, 2023, follow-up coaching sessions with key religious leaders were conducted as a regular practice for maintaining their interest and active involvement. These religious leaders are facilitated to play a role in educating and mobilizing other religious leaders to work on women and girls; needs in their respective areas. These key religious leaders were explained, about the criteria to form an executive body of religious leaders and their role in formation and strengthening of the body. A total of 15 religious leaders from across Kohistan have been selected for executive body.

A follow-up meeting with District Khateeb and key religious leaders was held to reflect on approaches to establish literacy courses for women and girls.

In order to promote women and girls literacy in the project areas, a proposal for the Literacy Course (10 months) for Bari Rango Village had been developed, finalized and approved by WAPDA. Finally approved budget has been transferred to National Commission on Human Development (NCHD) for launch of course at Bari Rango Village.

A total of 27 women and girls have ensured their enrolment and a local teacher is available and committed. These courses will enable women to read, write and speak Urdu along with basic numeracy. Communication is a big barrier for Kohistan women and is restricting their access to any facility and ultimately causing low self-esteem, poor health etc.

- Follow-up sessions with local activist have been conducted for maintaining the spirit among their respective communities especially candidates identified for Lady Health Visitors Course (LHV) and Literacy Course at Bari Rango Village.

7.8 Implementation of Communication Plan

Following major activities were carried out during the reporting month

- Communication Team remained engage in public dealing in the Public Information Centre and sharing information regarding Dasu HPP with local community and general public.
- Preparation of Contents for Digital Display Screen is a continuous activity. New content selected and modified for SMD have been displayed after approval from the management.
- Coverage of different events and meetings remained in progress during the reporting month, communication team also captured photos of different sites regarding progress.

- Coverage of the different project activities for information of all the stakeholders through social media pages of Facebook, YouTube etc. (continuous activity).
- Updated project progress on Dasu HPP website, updated content and published new events on project website.
- Processed case for provision of Pick & Drop facility for School going children on 15 different routes”.
- Case for production of mid-term documentary through WAPDA CSR team initiated and in process.

7.9 Independent Grievance Redress Committee (IGRC)

The IGRC activities remained in progress. Out of total 362 complaints / grievances received by March 2023, 354 (98%) were resolved. IGRC received one application in April 2023. Two cases were invalid and rejected by IGRC in April 2023, while six complaints regarding ESMR cases were forwarded to different committees for their comments.

7.10 Migration Management

Major activities related to In-migration Management were carried out by the In-migrant Management Section during the reporting month (April, 2023). These mainly included visit to the Contractors’ camps for resolving the emerging labor issues, awareness campaigns to various groups of contractor & labor for implementing the code of conduct, and updating the workforce data in Management Information System.

Workforce data of all contractors as well DHC and WAPDA was entered in MIS till the last month (March, 2023). Based on the workforce data received from various contractors and other organizations a total of 6,404 workers / staff were estimated. Out of total (6,404); 3,007 (47%) were locals, 2,661 (41%) were non-local national, while 736 (11%) were foreigners. A total of 32 females were working in the project during the reporting month which is almost 1 percent of the whole workforce.

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

In-migrants at Dasu Site (Data as on March, 2023)											
S.No	Components	Contracts	Locals			Non-Locals		Foreigners		Component wise Total	Total
			Male	Female	Total	Male	Female	Male	Female		
1	WAPDA/ LA&AU	WAPDA-DHHP	201	292	0	0	0	0	493	493	
2	DHC	DHC-DHPP	231	131	2	28	0	0	392	392	
3	CGGC	MW-01	1061	404	0	251	10	0	1726	4268	
		MW-02	1074	864	0	212	15	0	2165		
		RAR-02	112	23	0	22	0	0	157		
		KKH-02	95	66	0	58	1	0	220		
4	CCECC	RAR-01	63	78	0	13	1	0	155	676	
		KKH-01	63	365	0	90	3	0	521		
5	CGICOP	PCI-01R	32	167	0	12	0	0	211	211	
6	KGL	DASU-RV	10	51	0	0	0	0	61	61	
7	PCCCL	TL-01	29	60	0	16	0	0	105	105	
8	Zhongmei	LBRV-11&12	1	2	0	1	0	0	4	4	
9	IKAN	LADP	4	51	0	0	0	0	55	55	
10	MSC	Consultant	11	7	0	1	0	0	19	19	
11	NESPAK	LADP Consultant	3	10	0	0	0	0	13	13	
12	GE-PC (JV)	EM-01	17	88	0	2	0	0	107	97	
Total			3007	2659	2	706	30	0	6404	6404	

Data of security forces (consists of Frontier Constabulary, Frontier Core, Police, WAPDA /Private security guards and Dir Scouts (QRF)) were also collected during the reporting month. This data was collected through law-and-order representative (Deputy Director Security (Social), WAPDA office. Total 851 security personals have been engaged for DHPP during the reporting month as mentioned in the table. (30 Persons from regular FC are not included).

7.10.1 Other Major Activities during the month

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

- Field visit to M/s CGGC camp at Barseen regarding assessment of warehouse/store.
- Field visit to K-9 site for resolution of labors issues with M/s CCECC.
- Field visit to M/s CCECC camp at K9 (Chuchang) regarding monitoring and facilitation of workers at site.
- Field visit to M/s CGICOP camp at Chuchang site regarding monitoring and inspection of workers facilitation at camp and work site.

- Field visit to K-9 site for resolution of labors issues with M/s CCECC.
- Field visit to K-9 site for resolution of conflict between local land owner with M/s CCECC regarding hiring of vehicle.
- Updating data and summarization of data regarded to Technical/Non-Technical staff.
- Preparation and submission of Monthly Progress Report of Migration Management for the month of April-2023 to Communication section and for further submission.

7.11 Internal Monitoring and Evaluation (M&E)

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

7.11.1 Monitoring of Compensation Payment Process at DC Office

During the month of April 2023, a total amount of PKR 19.49 billion was paid, including PKR 19.147 billion to 7,966 PAPs through 11,782 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 the month, three duplicate cheques for the total amount of PKR 25,891,340/- were removed from database after verification with Qabzul Wasool.

S. No.	Components	Status by previous month			Status during reporting month			Grand Total
		# of PAPs	# of CHQ	Amount (In Billion)	# of PAPs	# of CHQ	Amount (In Billion)	
1	All Components	7,959	11774	19.143	7	8	0.004	19.147

During April 2023, an amount of PKR 4,210,884/- was paid as compensation payment to 07 PAPs of 04 components. A total of 08 cheques were issued by DC office during the reporting month. Component wise detail of payment is given in table below:

Sr. No.	Component	PAPs	Cheques	Amount
1	Lachi Nullah Reservoir Area File-5	2	2	2,034,014
2	KKH-02 Additional Land Looter to Shukrait Nalla Area 1A	3	3	477,714
3	KKH-02 Looter	1	1	21,781
4	KKH-02 Awai to Lootar Part (A)	1	2	1,677,375
	Total	7	8	4,210,884

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

S. No.	Components	Status by Mar 2023			Status during Apr 2023			Grand Total
		PAPs	CHQ	Amount	PAPs	CHQ	Amount	
1	Kass Disposal Area-01 (File-01)	64	99	147.439				147.439
2	Kass Disposal Area-01 (File-02)	28	67	115.372				115.372
3	Kass Disposal Area-01 (File-03)	52	72	109.621				109.621
4	Kass Disposal Area-02	112	278	175.834				175.834
	Total	256	516	548.268				548.268

7.11.2 Accounts Adjustment Submissions to WAPDA

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

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

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

At the end of March 2023, a total amount of PKR 101,683,447/- paid as TRP to 210 RVs (PKR 90,828,554/-) and 86 self-opted (PKR 10,854,893/-) AHHs of 13 components. In addition, PKR 3,926,220/- were paid to 43 commercial structures of Barseen, Khushi, Siglo and Tailrace Kuz Chuchang Area.

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

During the reporting month, an amount of PKR 90,000/- paid for Temporary Relocation Package to an affected HH of Khushi to Logro components. M&E team conducted a verification exercise, updated missing entries and corrected components in the database.

By end of reporting month, resettlement allowances released to 417 AHHs who already received their ESMR Package. A total amount of PKR 11.06/- million is paid on account of resettlement allowances

During April 2023, resettlement allowances were paid to 89 AHHs, total amount of PKR 2,537,155/- paid as resettlement allowance during the reporting period.

Sr. No.	Village Priority	By previous month		During reporting month		Grand Total	
		No. of AHHs	Amount	No. of AHHs	Amount	No. of AHHs	Amount
1	Priority I Villages	254	6,593,488	85	2,419,593	339	9,013,081
2	Priority II Villages	74	1,927,749	4	117,562	78	2,045,310
3	Priority III Villages	0	-	0	-	0	-
	Total	328	8,521,237	89	2,537,155	417	11,058,391

7.11.4 Preparation and Review of Files and Payment of ESMR Package

Preparation of AHHs files for payment of Extended Self-Managed Resettlement (ESMR) Package remained in progress. During April 2023, a total amount of PKR 175.00 million paid as ESMR package to 50 AHHs. By the end of reporting month ESMR package was paid to 1,284 AHHs of batch-1, 2, 3 and 4, total amount paid on account of ESMR is **PKR 4490.05** million.

S. No.	Batch	Total AHHs	By end of previous month		During reporting month		Total	
			Paid AHHs	Amount	Paid AHHs	Amount	Paid AHHs	Amount
1	Batch-1	84	78	269.10	0	0.00	78	269.10
2	Batch-2	960	532	1861.95	23	80.50	555	1942.45
3	Batch-3	966	587	2054.50	26	91.00	613	2148.50
4	Batch-4		37	129.50	1	3.50	38	133.00
5	Batch-5		0	0.00	0	0.00	0	0.00
	Grand Total	2010	1234	4315.05	50	175.00	1284	4490.05

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

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

- Data entry of land compensation payments in MIS from received Qabzul Wasool remained in progress. During reporting period data entry of 11,430 (97% of total cheques/Qabzul Wasools) have been entered in MIS. Data entry of remaining Qabzul Wasools is in progress, a backlog of 355 Qabzul Wasools recorded by end of the reporting period.
- Total 50 SMR cheques issued to AHHs, all issued cheques were entered in MS Excel Database and MIS also.
- TRP payment was released to one AHH of Khushi to Logro components, the cheque was organized and entered in MS Excel and MIS database.
- Resettlement allowances cheques were issue to 89 AHHs by end of reporting period, all these issue cheques entered in MS Excel database and updated summary tables.
- Compensation Payments Summary table & progress report were updated during reporting month.

S. No.	Task	Status by Previous Month	Status During Reporting Month
1	PAPs Documents Organized	43,176	0
2	Compensation Payment Entry in MIS	11,259	171
3	Lease Payment Data Entry in MS Excel Database	516	0
4	PAPs Documents Uploading in MIS	23,111	0
5	TRP Cheques Entry in MIS	1,423	1
6	SMR Cheques Entry in MIS	1234	50

7.12 Development of Management Information System

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

7.12.1 OHS Document Management System

During April 2023, migration management reporting system have further been improved for better report generation. This sub module covers all workforce reports including workforce listing, nationality, gender and organization wise reports. The system uses the data stored into MIS database for report generation.

Following tasks were completed:

- Importing of workforce data in to MIS database,
- Current Workforce listing for data management,
- Monthly workforce archives
- Summary Reports

7.12.2 Upgradation of Land Acquisition report structure:

During March 2023, Land Acquisition report design was further improved. Under this all component wise data of land acquisition and compensation payments is designed to fetch according to specified report formats accordingly

Following modules were updated during the reporting month

- Periodic Report Generation
- Component Wise Reports
- Compensation Payment Tables

7.12.3 Maintenance of Operational Modules

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

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

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

Sr. No	Key Performance Indicator (KPI)	Status by March 2023	Progress during April 2023	Remarks
> Land Acquisition and Compensation Payment (LA&CP)				
1	Land Acquired (Acres)	4,782	48	Total land acquired 4,830 acres (96% of the total land)
2	Number of PAPs Compensated	7,959	7	Total PAPs compensated 7,966
3	Compensation Paid (Billion Rs)	19.143	0.004	In addition to this an amount of Rs. 245 M paid to courts and Rs.93.32 M, directly paid to PTDC & FWO
4	GIS Verifications Completed (Number of Components)	282	00	GIS Verification of all the components have been completed
5	GIS Verification Completed (Area of Components in Acres)	5039	00	
> Resettlement & Relocation (R&R)				
1	Number of Resettlement Sites Completed	2	0	Two resettlement sites Uchar RV-01 & Chuchang Additional completed and handover to the community
2	Number of HHs received TRP relocating to RVs	210	1	<ul style="list-style-type: none"> > Out of 210 AHHs getting TRP, 72 have opted for ESMR and their TRP has been closed in 2022 after the ESMR payment. > 1 HH out of 210 AHHs received TRP quarterly instalment during the month.
3	Total TRP paid to AHHs relocating to RVs (RS Million)	101,593,447	.90	
4	Number of HHs received TRP relocating on SMR	86	0	All 86 AHHs have received their project allowances including ESMR allowances and have been relocated.
5	Total TRP paid to AHHs relocating to SMR (M. Rs)	10.854893	0	
6	Total TRP paid to AHHs (RVs+SMR) (RS Million) (3+5)	112.448340	.90	
7	New ESMR paid (No. of AHHs)	1234	50	
8	New ESMR paid (RS Million)	4315.05	175	
9	Allowances Paid to Owners of Commercial Structures (RS Million)	3.92622	0	Including dislocation, Shifting and Covered Area Allowance per square meter
> Public Consultation and Participation (PC&P)				
1	Number of Consultation Meetings Conducted	813	03	Various meetings were conducted regarding ESMR Package.
2	Percent issues / disputes resolved	89	33	The resolution of remaining issues in progress

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

3	Number of PAPs participating in consultation meetings (Approximately all (100%) PAPs were consulted during Planning & Design Stage)	91	35	PAPs from related villages presented during the meetings
4	Percentage of their suggestions taken into account	86	88	The suggestions regarding design changes are sometimes difficult to accommodate
➤ Income and Livelihood Restoration Program (ILRP)				
1	Number of UCM components Completed & submitted	13	---	13 reports prepared & submitted to WAPDA.
2	Number of UCM components (survey completed and reports in progress)	--	---	----
➤ Gender Implementation Plan (GIP)				
1.	Number of Gender Sensitization Sessions(coaching and dialogues) Conducted with CGBT / WVCs	26	2	Two sessions have been carried out in Kuz Chuchung with women village committee to ensure their support for the women activities i.e. skill development course.
2.	Number of Skill development courses started	01	01	There are 24 women and girls who are attending the course with keen interest and have developed various stitching and embroidery material in a very short time. They proved their talent and interest. Pictures are at the end of report.
3.	Number of Schools Covered under Health & Hygiene Program	02	0	Purchase of items for Health and Hygien kit have been started, draft implementation schedule is prepared.
4.	Number of Project Staff (including Contractor's staff) Benefited from sensitization trainings/coaching sessions	92	3	Three coaching sessions are conducted with local staff of DHC. To explore the interventions with women in SEO.
5.	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	04	3	List of third batch is developed and is forwarded for approval. Three coaching sessions has been conducted with three key Ulema for the upcoming workshop for religious leaders and floating ideas for women activities. Reflection exercise for women literacy courses provided variety of ideas.
6.	Number of Ulemas Benefited	99	3	Individual coaching sessions are found more practical and action oriented.
7.	Percent of women using health facilities in project area	43	4	Figure is updated from the meeting with health department and visit to RHC, Dasu.
8.	Percent of women engaged in Income Generating Activities in the Project Area	41		Figure is updated from the information from local activists. Small shops run by women in the villages.
➤ In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)				
1	Total Staff working on DHPP	6,197	6,404	Workforce data includes staff (including labor) of all contractors, DHC, and WAPDA
2	Local Staff working on DHPP	2,792	3,007	
3	Non-local Staff working on DHPP	2,700	2,661	
4	Foreigner Staff working on DHPP	705	736	
5	Number of Awareness Sessions on CoC Conducted with Community	27	00	
6	Number of Total Participants in Community Awareness Sessions	424	00	
➤ Communication Plan (CP)				
1	Baseline Documentary for socio-economic situation	Completed	-	
2	Number of IEC Material prepared and printed	24,000	-	It includes printed copies newsletter and flyers & brochures related to S&R sections including IEC material on Covid-19
3	Number of Quarterly Newsletters prepared and issued	02	-	Preparation of third & fourth newsletter in progress
4	Number of Awareness Sessions conducted with various target groups of community	12	-	Awareness about DHPP to school teachers, students and community representatives
5	Number of Exposure visits organized	02	-	No visit during the reporting month
6	Arrangement of NADRA Van for registration of unregistered PAPs (number of rounds)	02	-	NADRA Van was arranged two times (2017 and 2020) and registration of 690 PAPs (80% Women) was completed
7	Provision of Pick & Drop facility for school going children (M/F) in project area.	06	-	06 vans arranged by WAPDA to pick & drop school children within project area
8	Installation of Digital display screen (SMD) in project area.	Completed	-	Screen installed in Komila Bazar to present key information regarding DHPP
➤ Internal Monitoring and Evaluation(M&E)				
1	Compensation Payments (in Billion)	19.166	0.004	
2	Compensation Payments Entries in MIS (Number)	11,259	171	
3	Preparation of ESMR Files	1,978	0	
4	Release of ESMR Payment (in Million)	4315.05	175	
5	ESMR Payment Data Entry in MIS	1234	50	
6	TRP Payments (in Million) (AHHs & Commercial Structure)	105.52	0.09	
7	TRP Data Entry in MIS (Number)	1,423	1	
8	Preparation of Compensation Payment Summaries for WAPDA Submission (Million)	19.28	0	
9	Submissions of Compensation Payment Summaries to WAPDA for Adjustment (Million)	18.82	0	
10	PAPs Documents Organization (Number)	43,126	0	

11	PAPs Documents Uploading in MIS (Number)	23,111	0	
12	Development and Operationalization of MIS Developed Modules	11	0	
13	Number of Internal M&E (SRMP & EMAP) Reports	11	0	
14	Lease Payment (Amount in Million)	548.27	0	
15	Lease Payment Data Entry in MS Excel Database	516	0	
> Development of Management Information System (MIS)				
1	Total Modules developed	16	0	Web portal & Communication are merged into one M&E and Reporting system are also merged into one
2	Number of Modules Completed	12	0	Land Acquisition, Resettlement, IGRC, LADP, IMM,PH, Reporting System, Web Portal, Lease, Gender, PC&P, Communication
3	Number of Modules Partially Completed	04	0	Environment, Downstream Reports
4	Number of Modules in Progress / Up-grades	01	2	OHS
5	Number of Remaining Modules (Development yet to be started)	1	1	Ecology
6	MIS Development Work Completed (%)	87	0	This percentage is for MIS development activities.

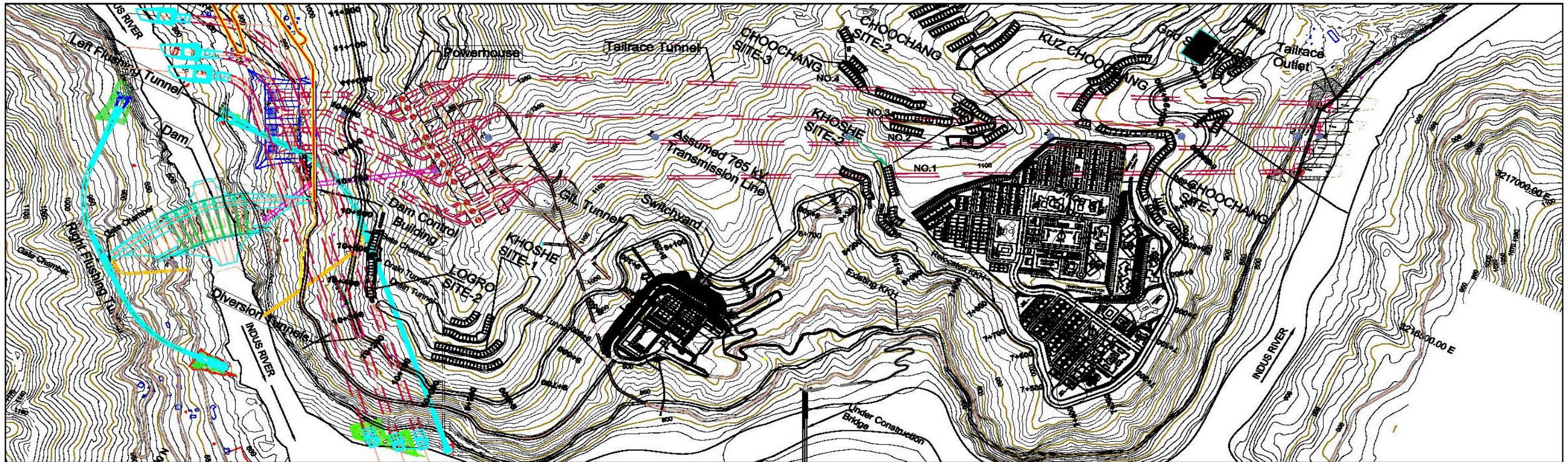
7.14 Implantation Plan of S&R Teams for Next Month

Sr. No	Activity	Timeline	Status / Remarks
> Land Acquisition and Compensation Payment (LA&CP)			
1	Digitization of rectified revenue record received from LAC	Continuous Tasks / Activities Delivered as per agreed timelines as well as urgent requirements	About 93% of land has been acquired so far. Land leasing of Kass is in progress. Land Acquisition of KKH-01 and KKH-02 Additional Land is in progress. Assessments of built-up property and fruit trees of remaining components in progress. Compensation payments in progress.
2	GIS verification of targeted components as per timelines		
3	Preparation of Corrigendum u/s-4 for submitting to WAPDA & LAC		
4	Verification of cost assessments of land and land based assets (Trees & Built-up Property) of required components		
5	Update the status of LA and GIS verification for submitting to WAPDA		
> Resettlement & Relocation (R&R)			
1	Preparation of ESMR Files	Continuous	Various villages
2	Collection of document from Community for ESMR Files	Continuous	Continuous
3	Monitoring of under construction resettlement sites	Continuous	Visit to all ongoing site will be carried during the month
4	Preparation of TRP files and Distribution of TRP Cheque	Continuous	Payment to the beneficiaries who already receiving the TRP
5	Working on ESMR paid files	Continuous	Continuous
6	Matching AHHS data of remaining villages with GIS Verified record.	Continuous	GIS verification of some villages is awaited.
7	Other Key Activities(Letter, meetings with WAPDA, Contractor and stakeholders)	Continuous	As needed
> Public Consultation and Participation (PC&P)			
1	Consultation regarding issues related to ongoing resettlement Sites (under construction)	Continuous	As and when needed – Resolution of pending issues will be continued
2	Consultation regarding any dispute/issue at other components of the project	Continuous	Consultation regarding technical issue arose (If any)
3	Consultation regarding submission of Documents for ESMR Files	Continuous	Consultation for submission of documents and to answer the queries of community regarding ESMR Package
> Gender Implementation Plan (GIP)			
1.	Visit to Kuz Chuchang skill development course for Monitoring and support of Skill Development Course for a group of 24 Women.	Second Week of May	Learners are enthusiastically requesting for an advance level course to further upgrade their skills to compete with the market.
2.	Follow-Up sessions with selected Ullema, for the third batch of trainings to have their feedback for an updated course.	3rd Week of May, 2023.	Key Ullema are engaged on regular basis, briefed about women activities, making them aware of and supporting the initiatives in the communities.
3.	Gender Sensitization Session With CBGT/ WVCs in selected Villages	3rd Week of May, 2023	Discussions on women skills development courses and their economic development through variety of skills and entrepreneurship.
4.	Gender Sensitization coaching sessions held with Various Target Group (PMU, DHC, Contractor and other Stakeholders)	4 th week of May	Discussion with women on various skill development i.e. women role in income generation, education and improving health facilities.
5.	Preparation of Implementing Plan on SH&HP for further villages and follow ups with the existing villages	2 nd and 3 rd week of May	HH, Kit composition has been finalized and is in process of purchases.
6.	Implementation on EPP Plan will be decided in GCW Meeting	3 rd and 4 th week of May	Budget has been transferred to NCHD and Teacher Training and purchases of Literacy Course will be made.
7.	Number of Trainings Sessions / Exposure Visits of Ulemas Conducted	4 th week of May	A workshop has been designed and sent to WAPDA Office for their approval after addressing the comments; The proposal is designed in consultation with key religious leaders from advisory body of progressive religious leaders.
> In-Migrant Management Plan / Management Plan for Construction Related Impacts (IMMP)			
1	Collection of workforce data and entry in MIS	Continuous activity	
2	Awareness Sessions with Labor	Continuous activity	

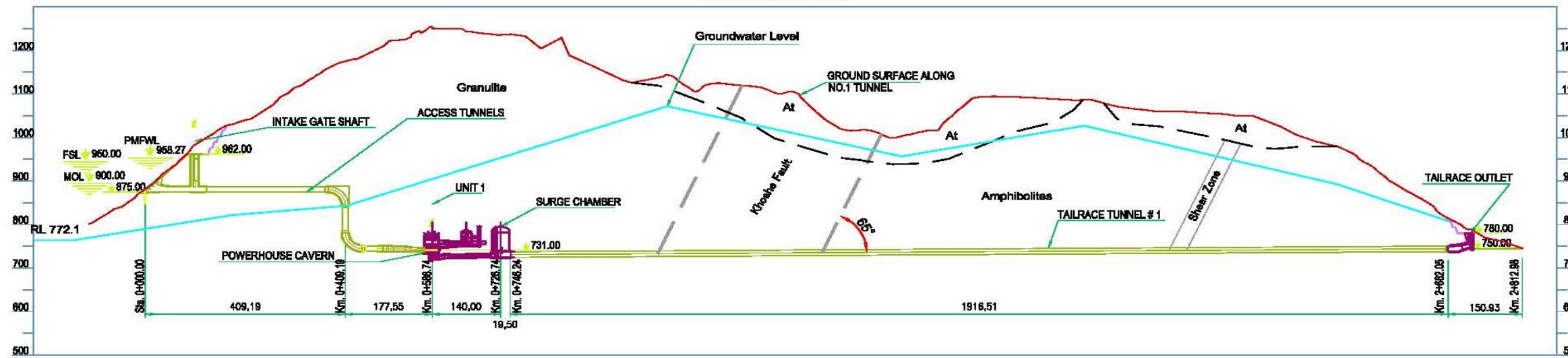
Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Sr. No	Activity	Timeline	Status / Remarks
3	Awareness Sessions with Community	Continuous activity	
4	Camp Inspection	Continuous activity	
> Communication Plan (CP)			
1	Consultation regarding issues related to ongoing resettlement Sites (under construction)	Continuous	As and when needed – Resolution of pending issues will be continued
2	Consultation regarding new resettlement sites	Continuous	Consultation regarding technical issue arose (If any)
3	Consultation regarding LADP Schemes	Continuous	Consultation regarding Package III and IV schemes are scheduled
4	Consultation regarding submission of Documents for ESMR Files	Continuous	Consultation for submission of documents and to answer the queries of community regarding ESMR Package
1	Consultation regarding issues related to ongoing resettlement Sites (under construction)	Continuous	As and when needed – Resolution of pending issues will be continued
> Internal Monitoring and Evaluation(M&E)			
1	Submission of MPR on M&E Section	05-05-2023	
2	Preparation of Compensation Payment Summaries	31-05-2023	
3	PAPs documents uploading	Continuous	
4	Support in Development of MIS	Continuous	
5	Compensation and TRP Payments	Continuous	
6	Review of comments on ESMR Referred Back files from FVC and Remove Deficiencies	Continuous	
7	Resettlement Allowances Payments and Data Management	Continuous	
8	Monthly M&E Reports on SRMP (Jul and Aug)	10-05-2023	
> Development of Management Information System (MIS)			
1	Development of UA UC & NM Module	May 2023	Development of all features of UA UC & NM system
2	OHS Progress Review Reports module` to be analyzed	May 2023	All features of OHS progress review reports to be discussed and analyzed
3	Technical Support / development of new features in existing modules if required	May 2023	Maintenance of developed and operational modules. It can include improvements in existing systems, addition of new features in existing modules as per requirements

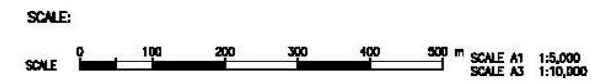
FIGURES



LAYOUT PLAN



WATERWAY PROFILE



DASU HYDROPOWER PROJECT



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

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

DASU HYDROPOWER CONSULTANTS DATE: 03 OCT 2018

DRAWING No. 111-003

Rev. No.	DATE	REVISION	Appr.
Prepared		Reviewed	Approved

Name: Kawagoe Toshio Name: 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

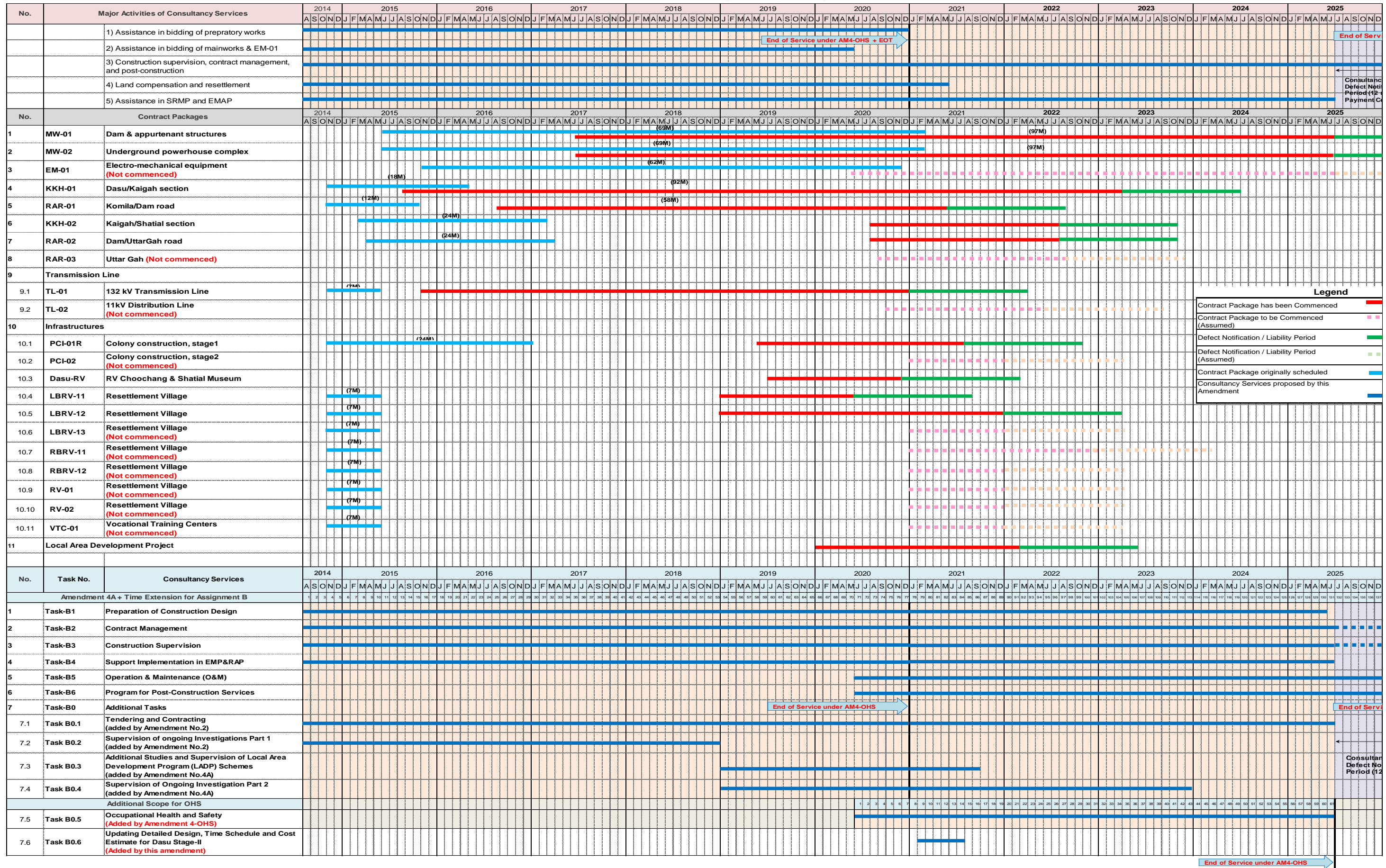


Figure 2: Implementation Schedule

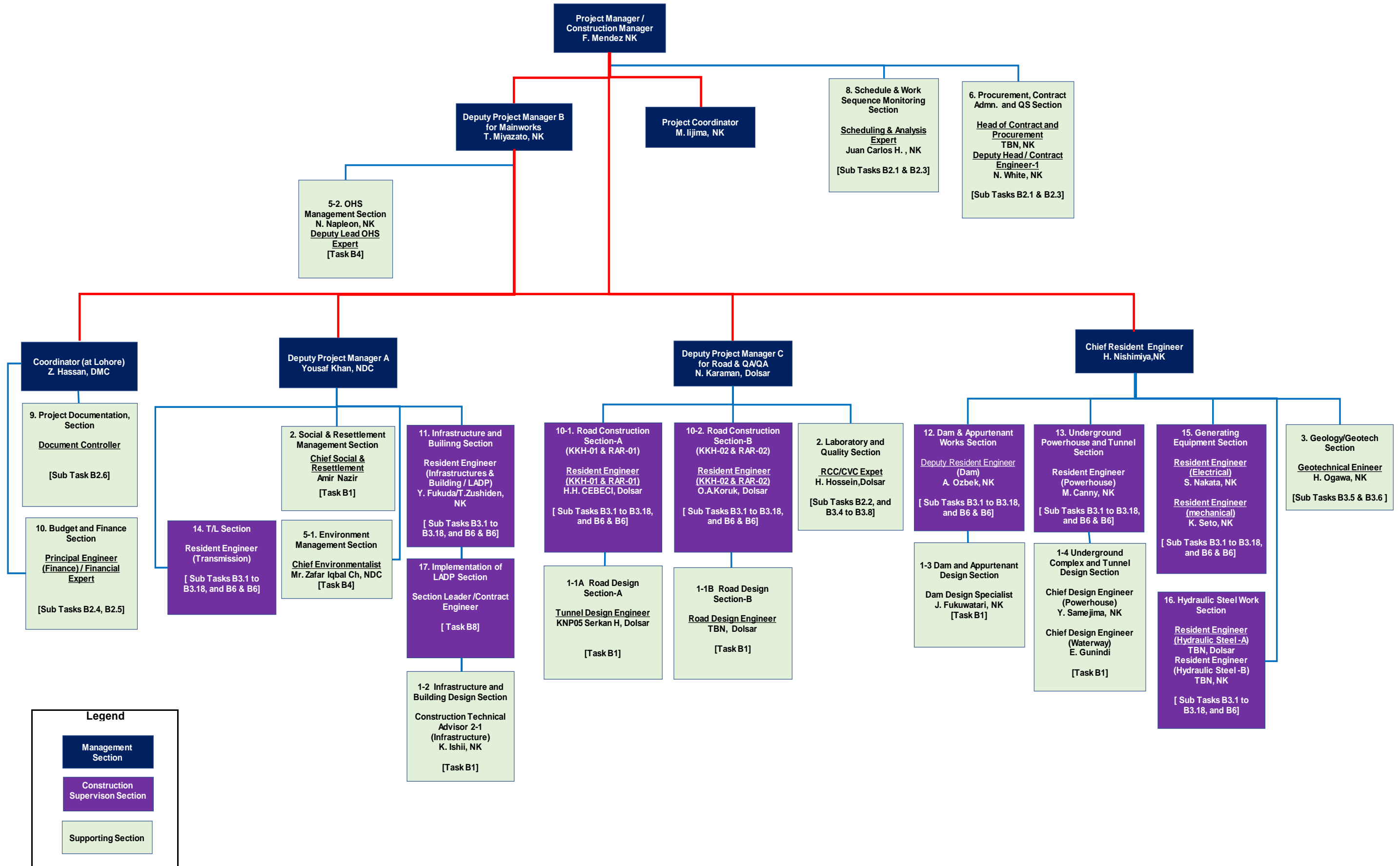


Figure 3: Organization for Consultant Team of Dasu Hydropower Project for Assignment-B

**Work Progress
Upto Reporting Month**

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

SCHEDULE 
PROGRESS 

Figure 4: Work Progress

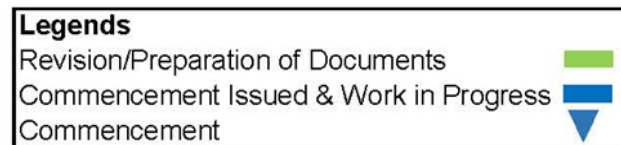
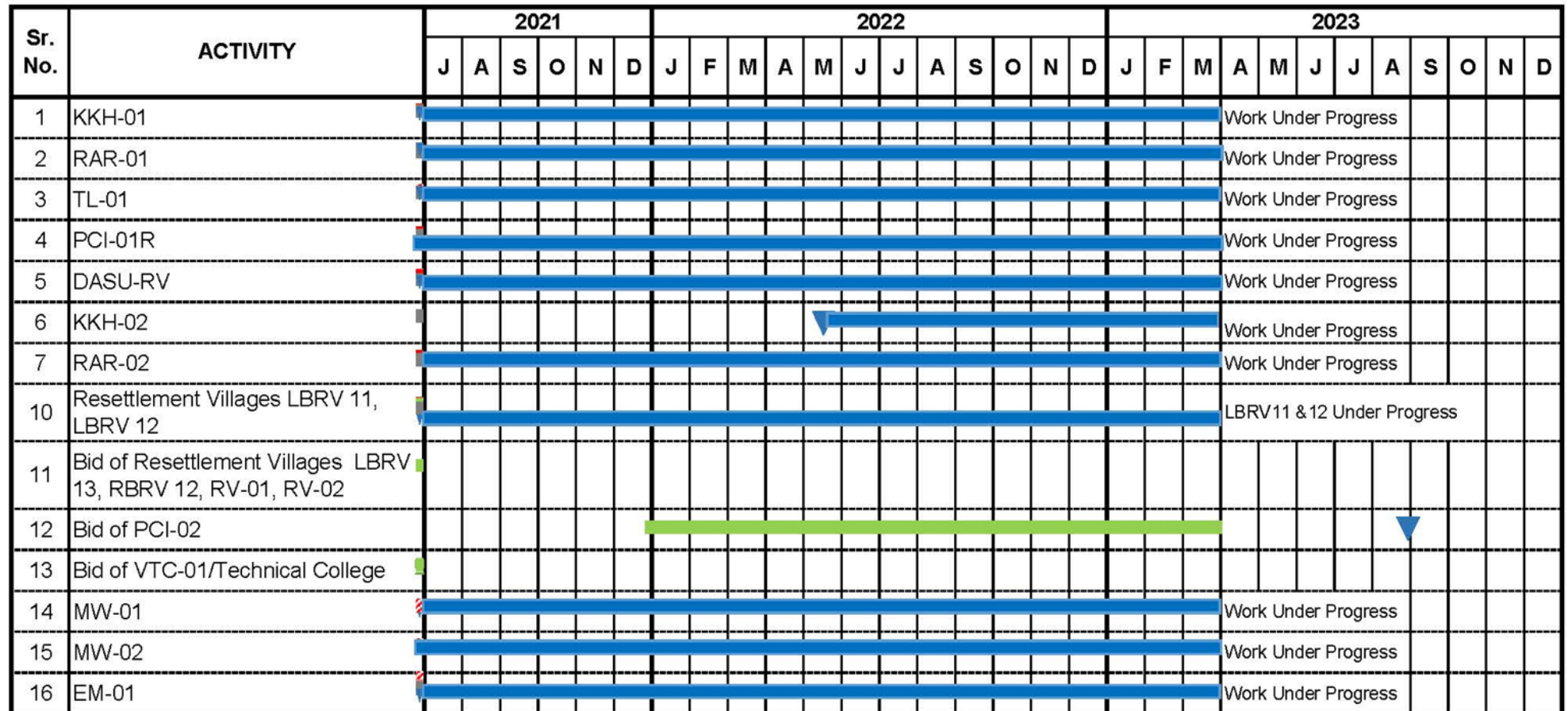


Figure 5: Contracts Procurement Schedule

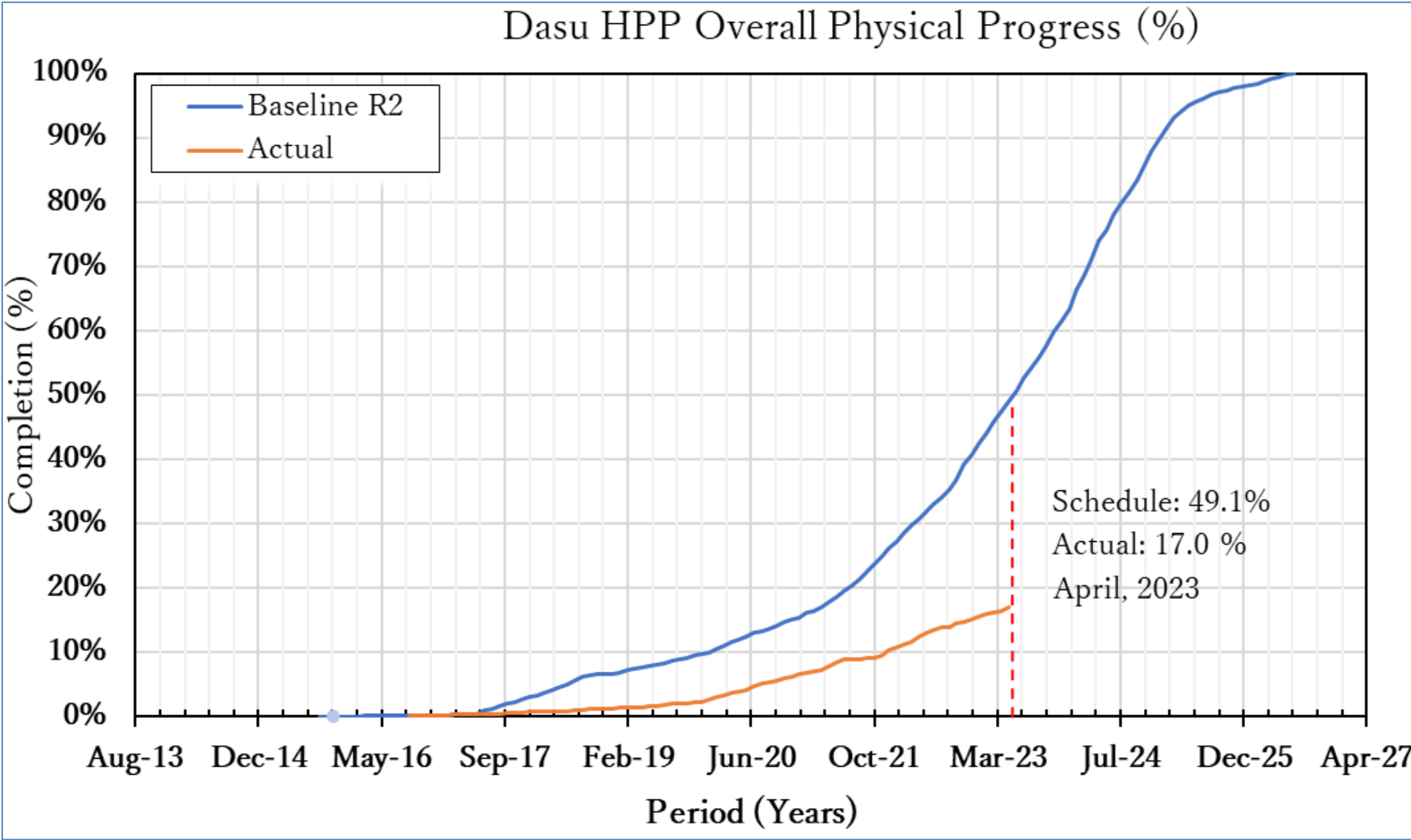


Figure 6: Dasu HPP Overall Progress (Physical Progress)

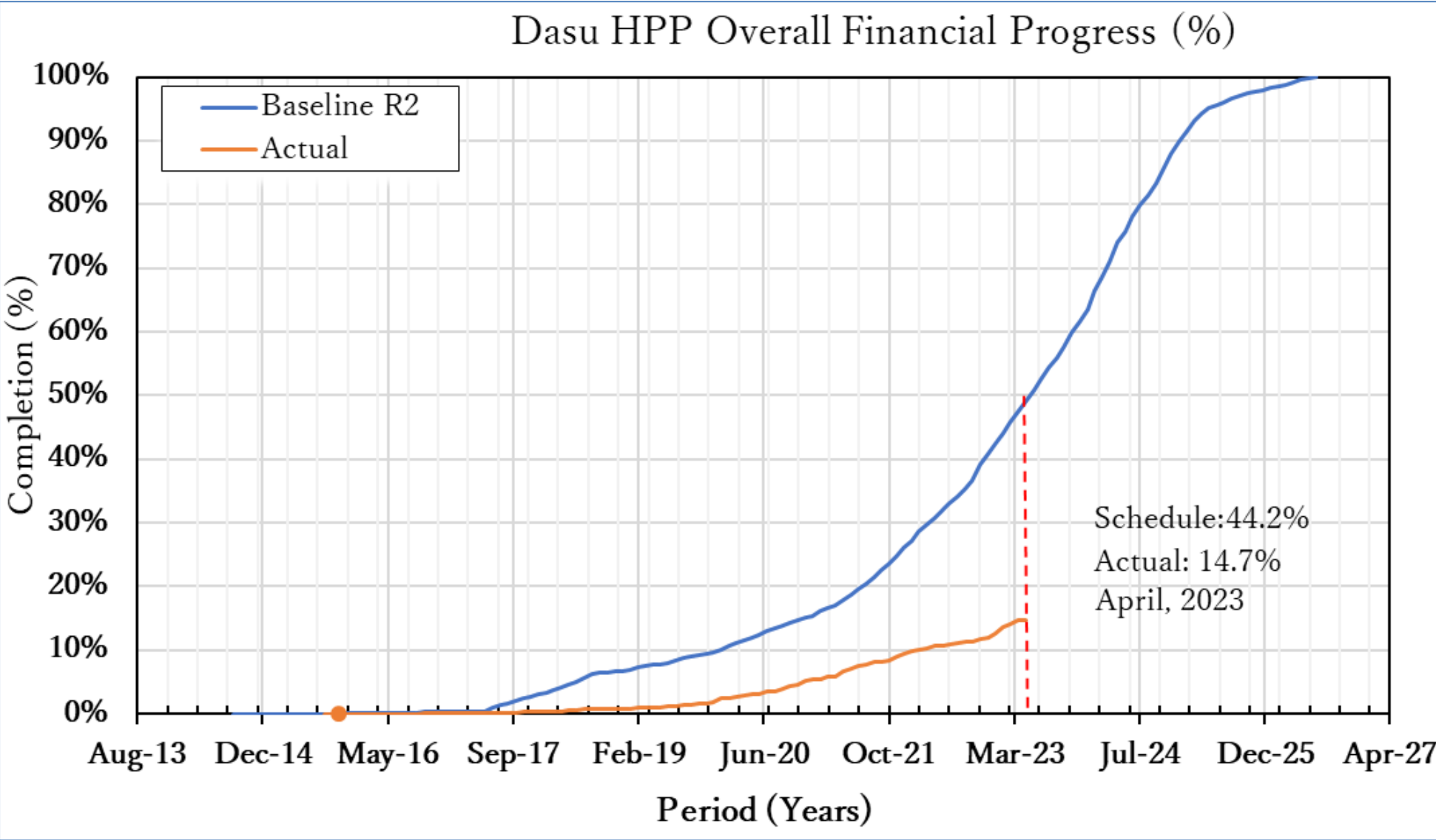
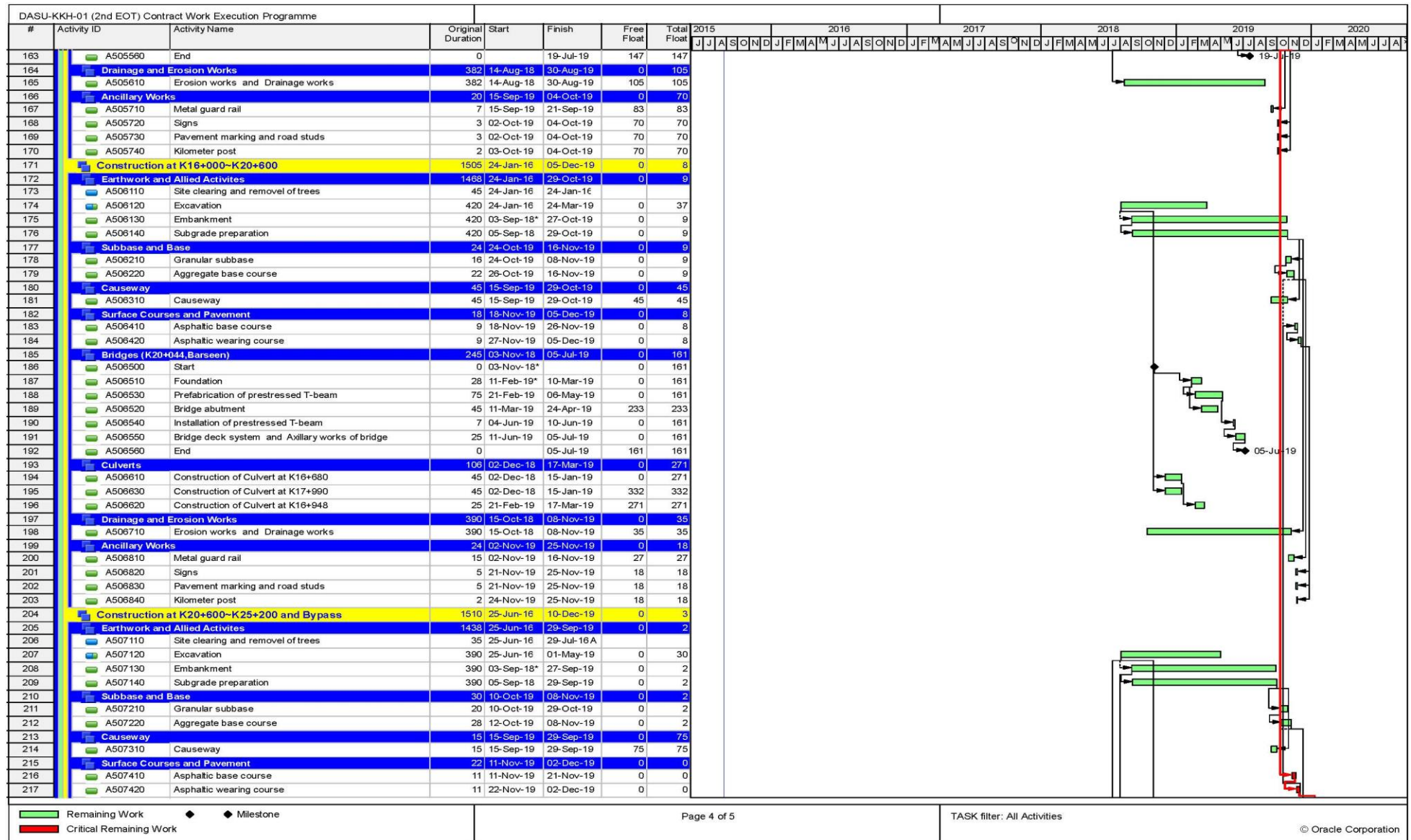


Figure 7: Dasu HPP Overall Progress (Financial Progress)

Figure 8 [4/5]



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

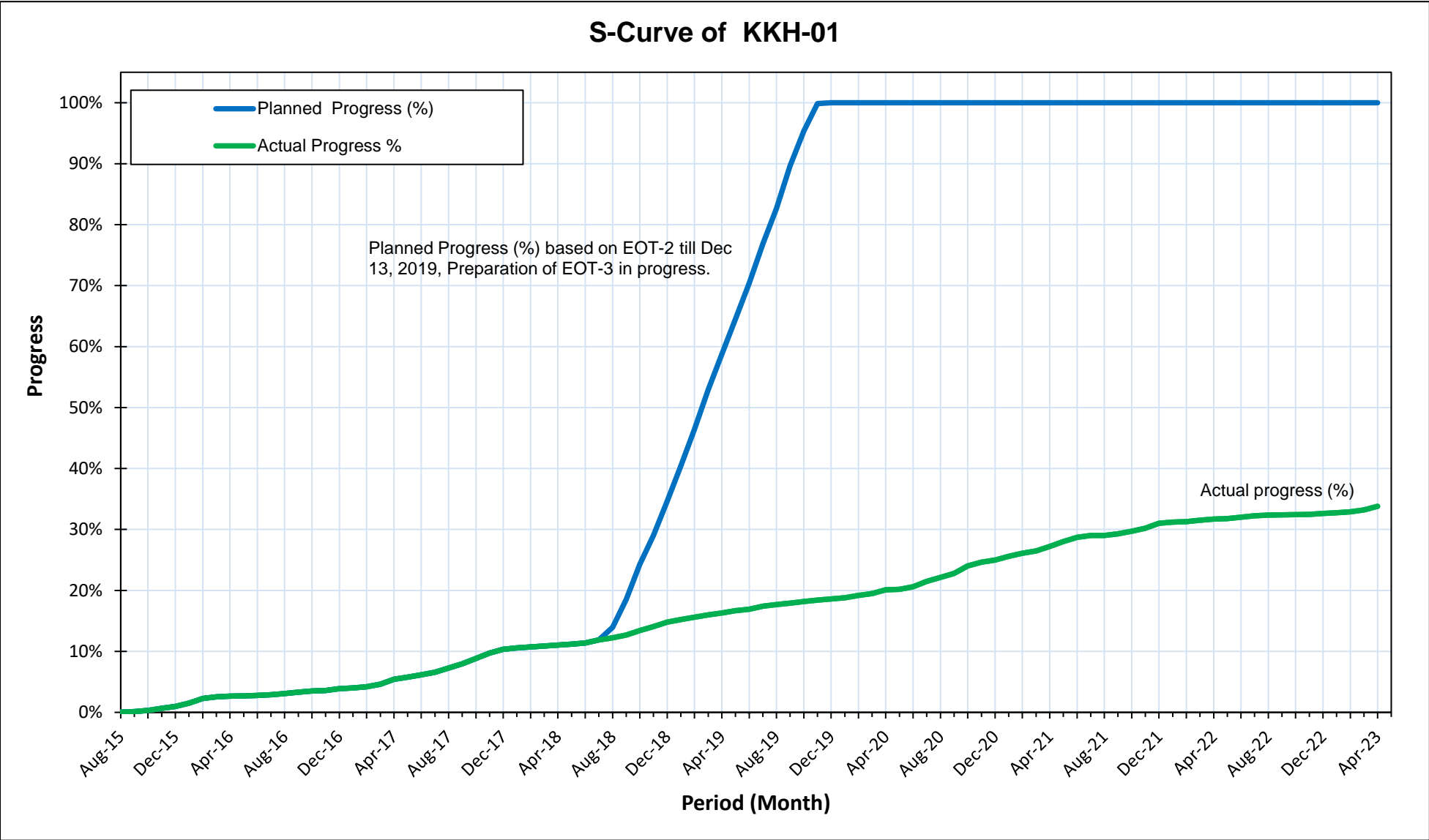


Figure 9: S Curve for Dasu-KKH-01

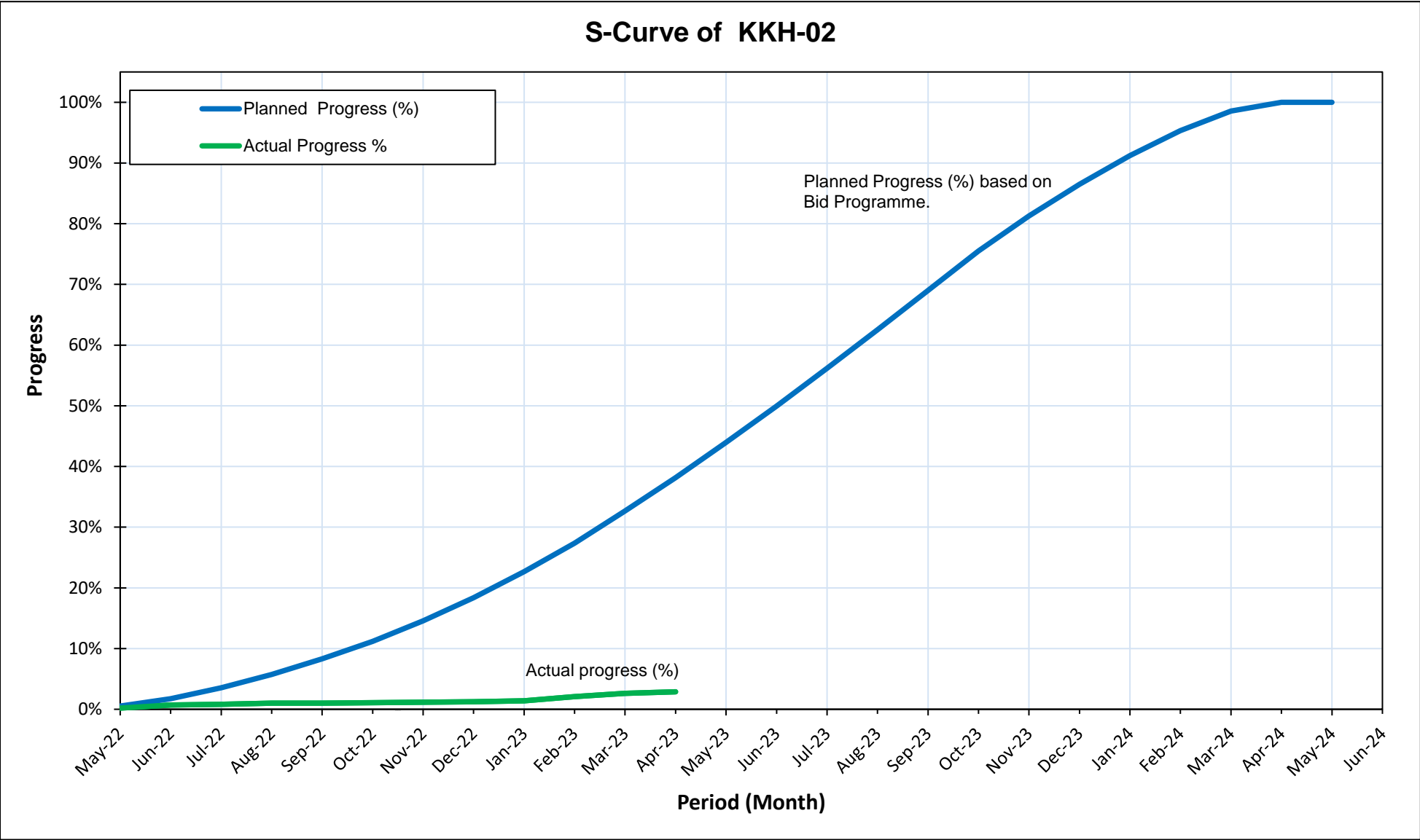


Figure 10: S Curve for Dasu-KKH-02

Figure 11 [1/6]

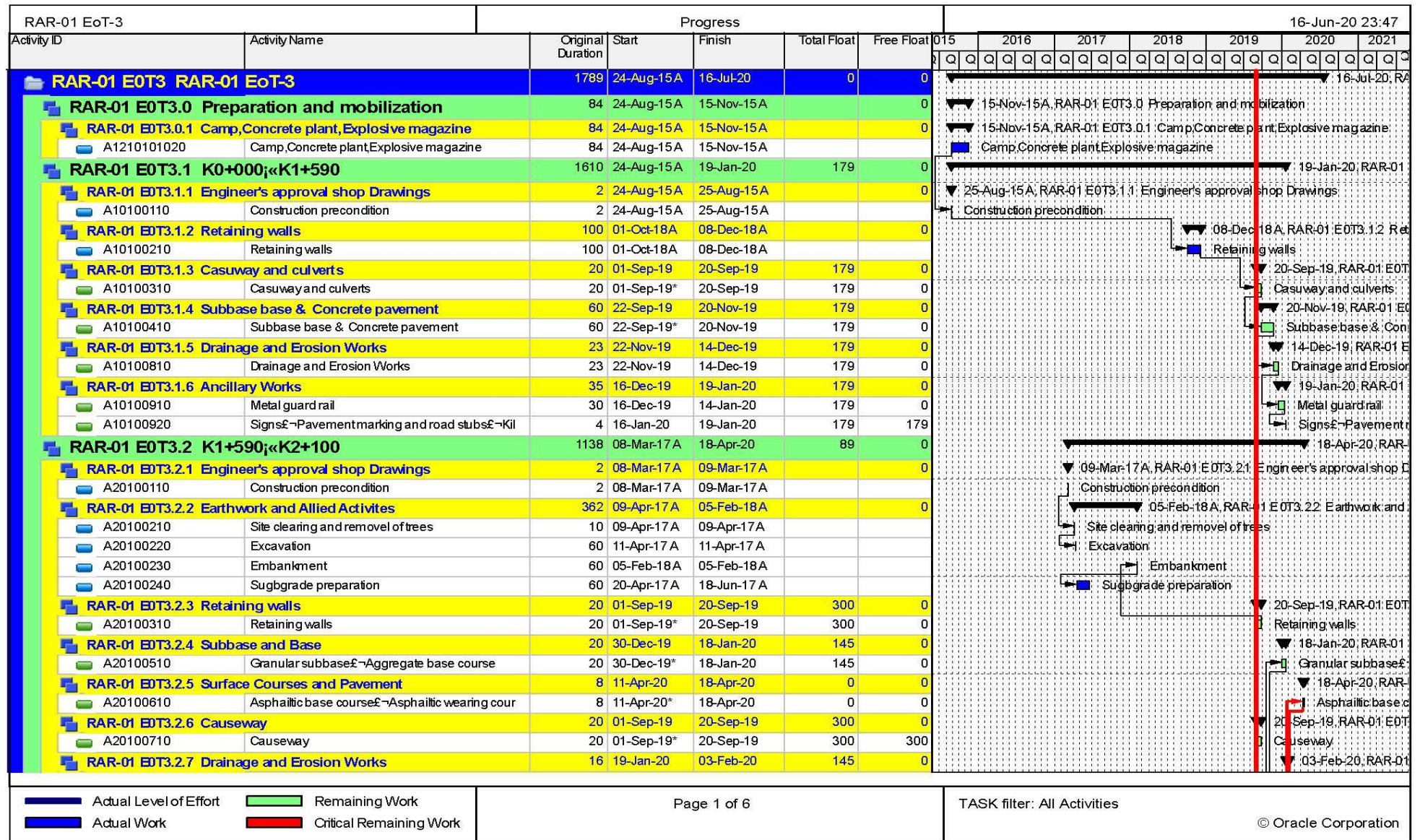
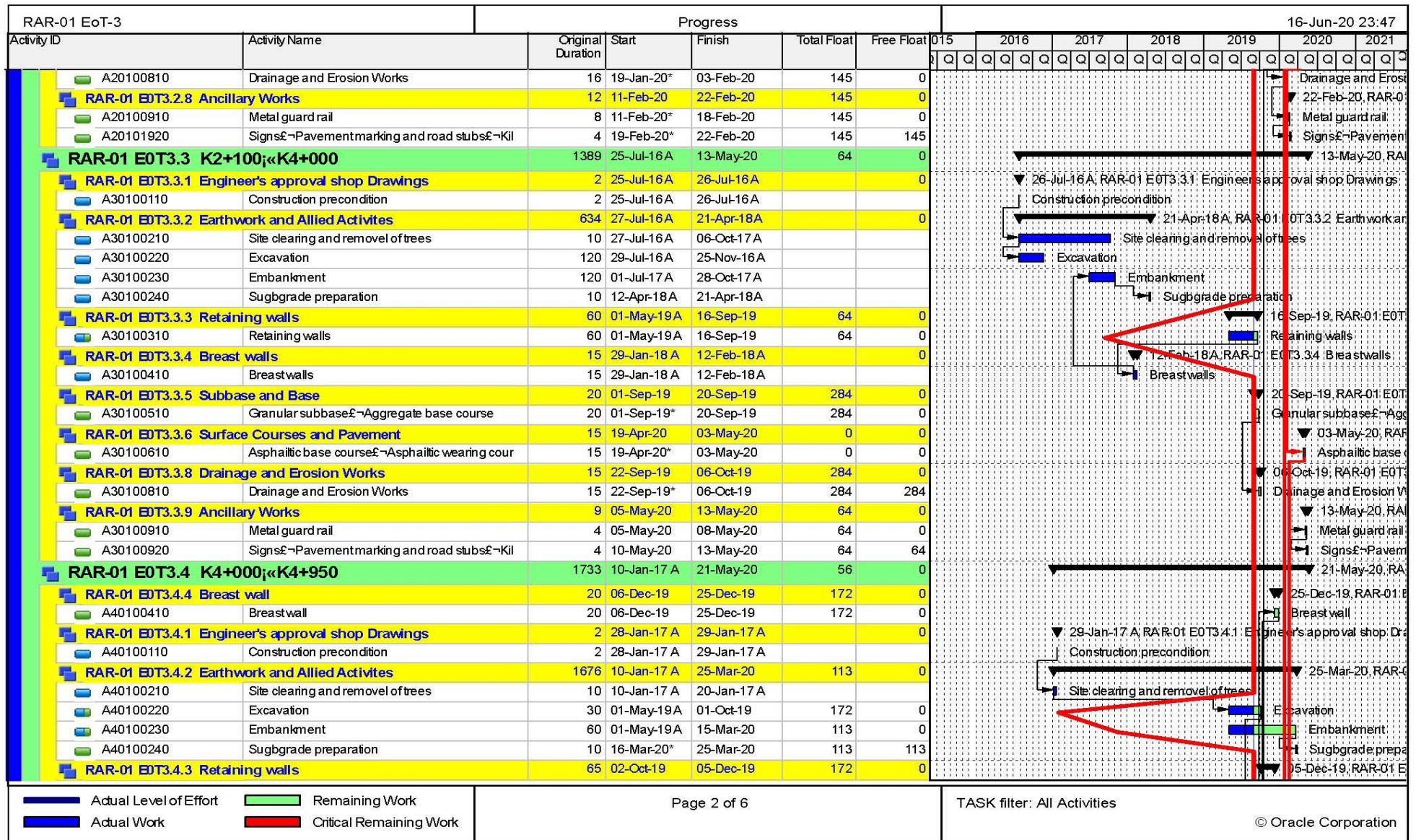


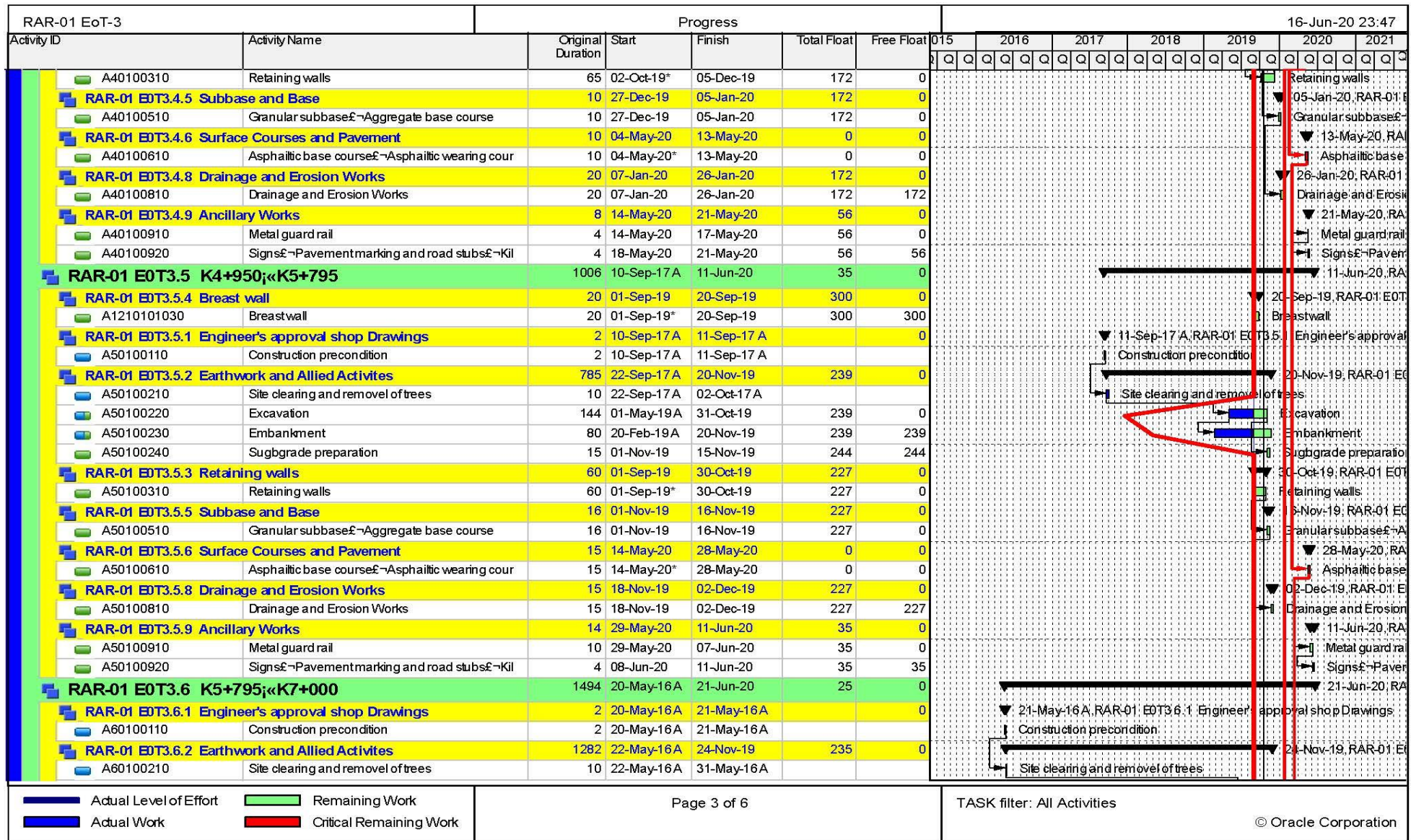
Figure 11: Gantt Chart of Dasu-RAR-01 (1 of 6)

Figure 11 [2/6]



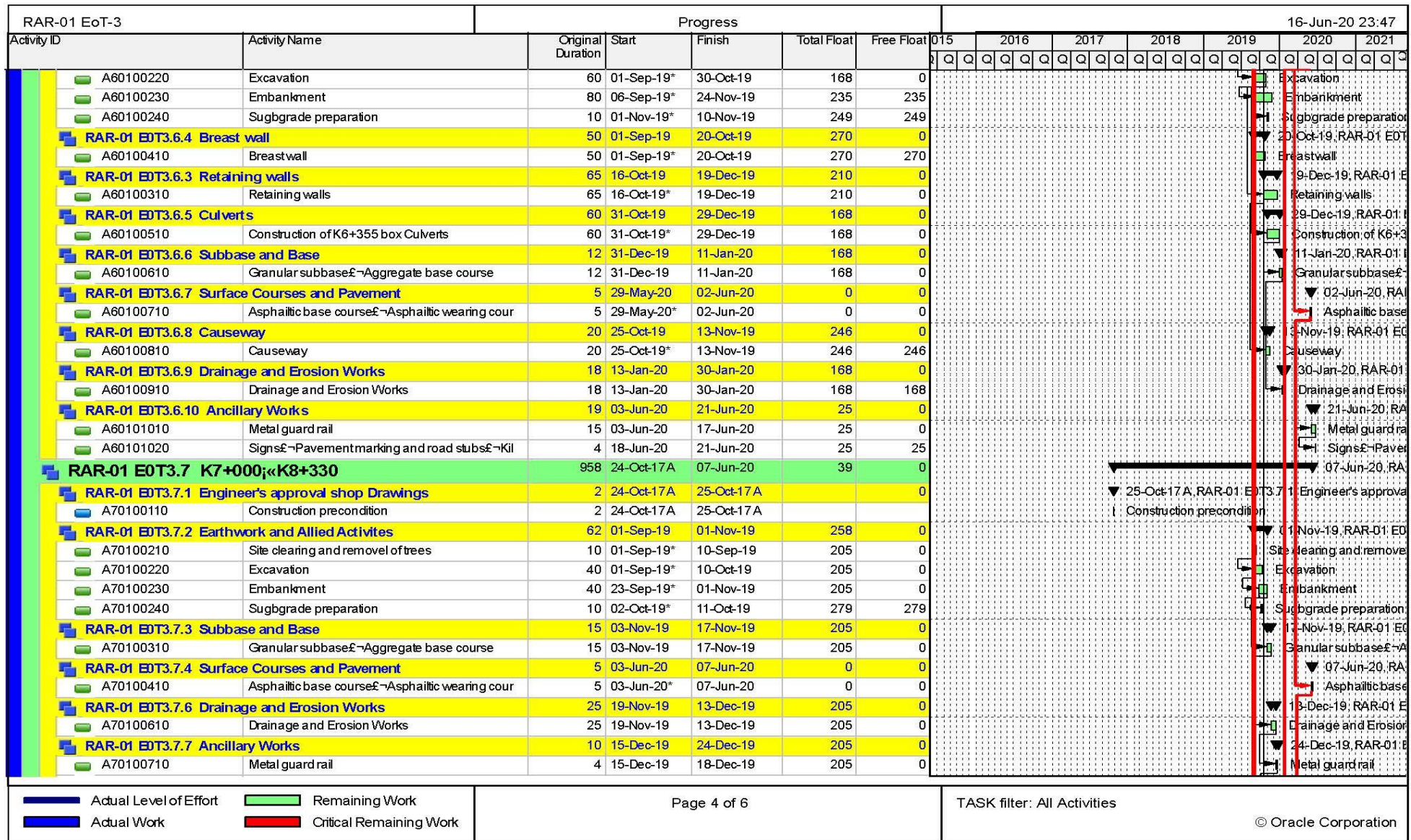
Gantt Chart of Dasu-RAR-01 (2 of 6)

Figure 11 [3/6]



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

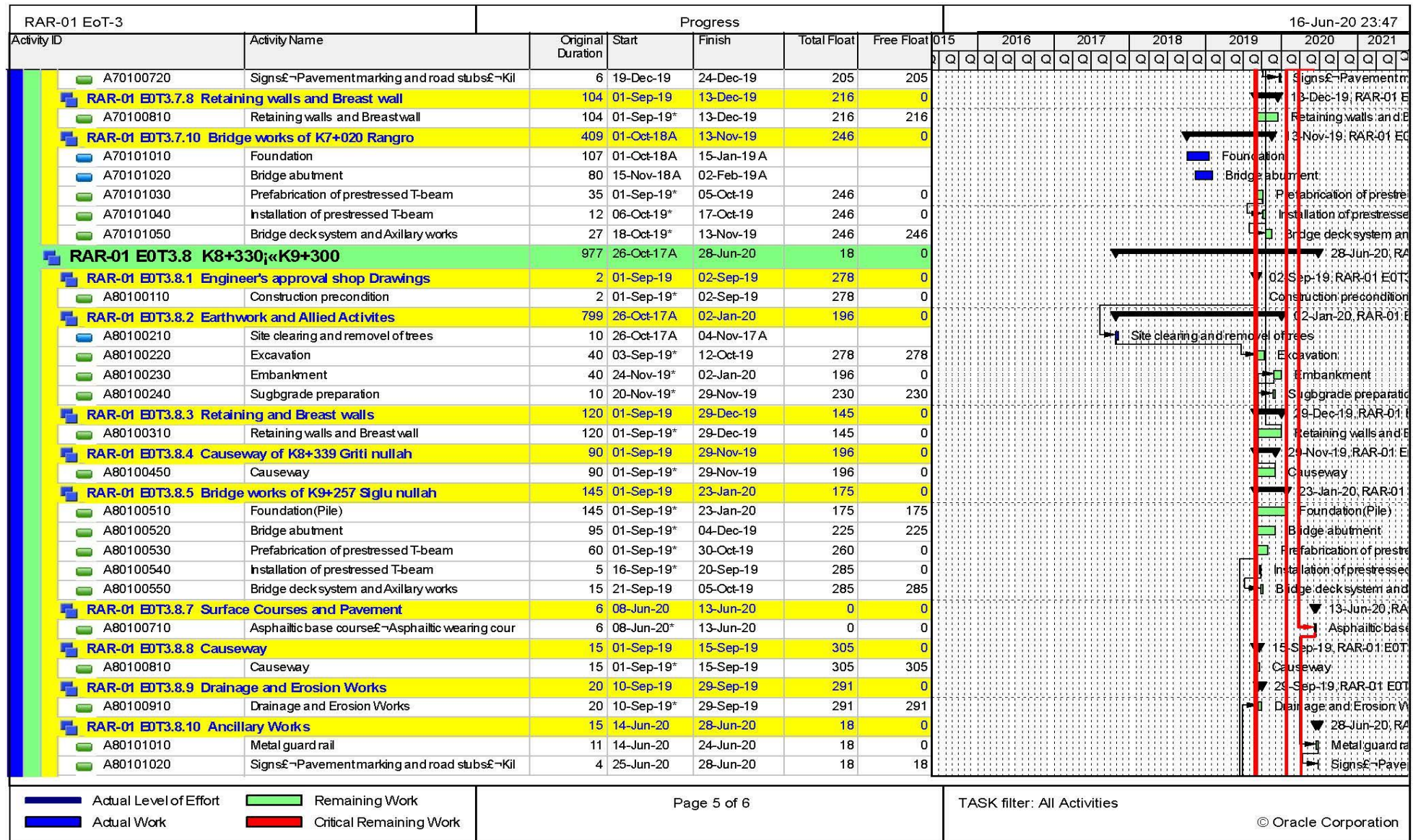
Figure 11 [4/6]



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

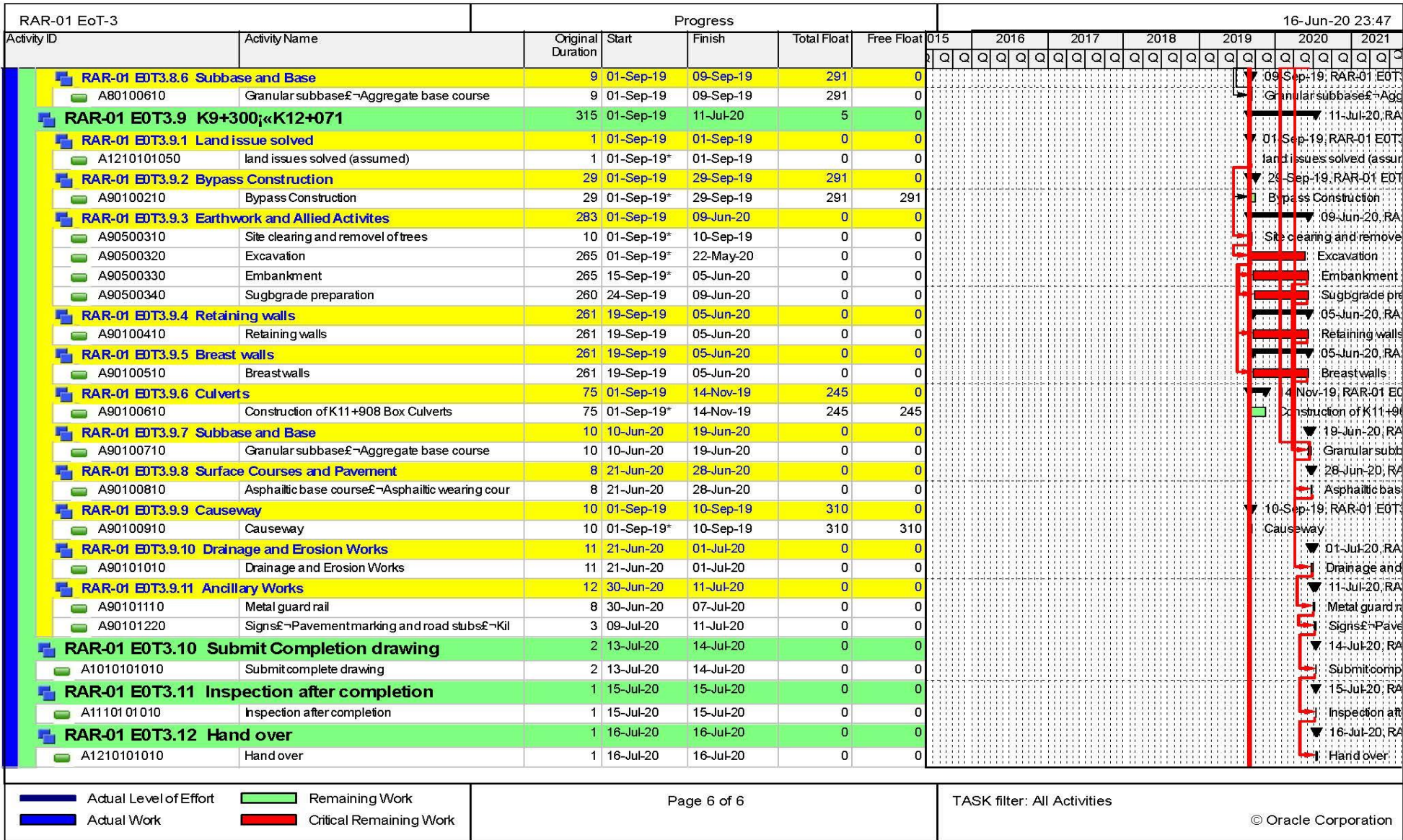
Gantt Chart of Dasu-RAR-01 (4 of 6)

Figure 11 [5/6]



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

Figure 11 [6/6]



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

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

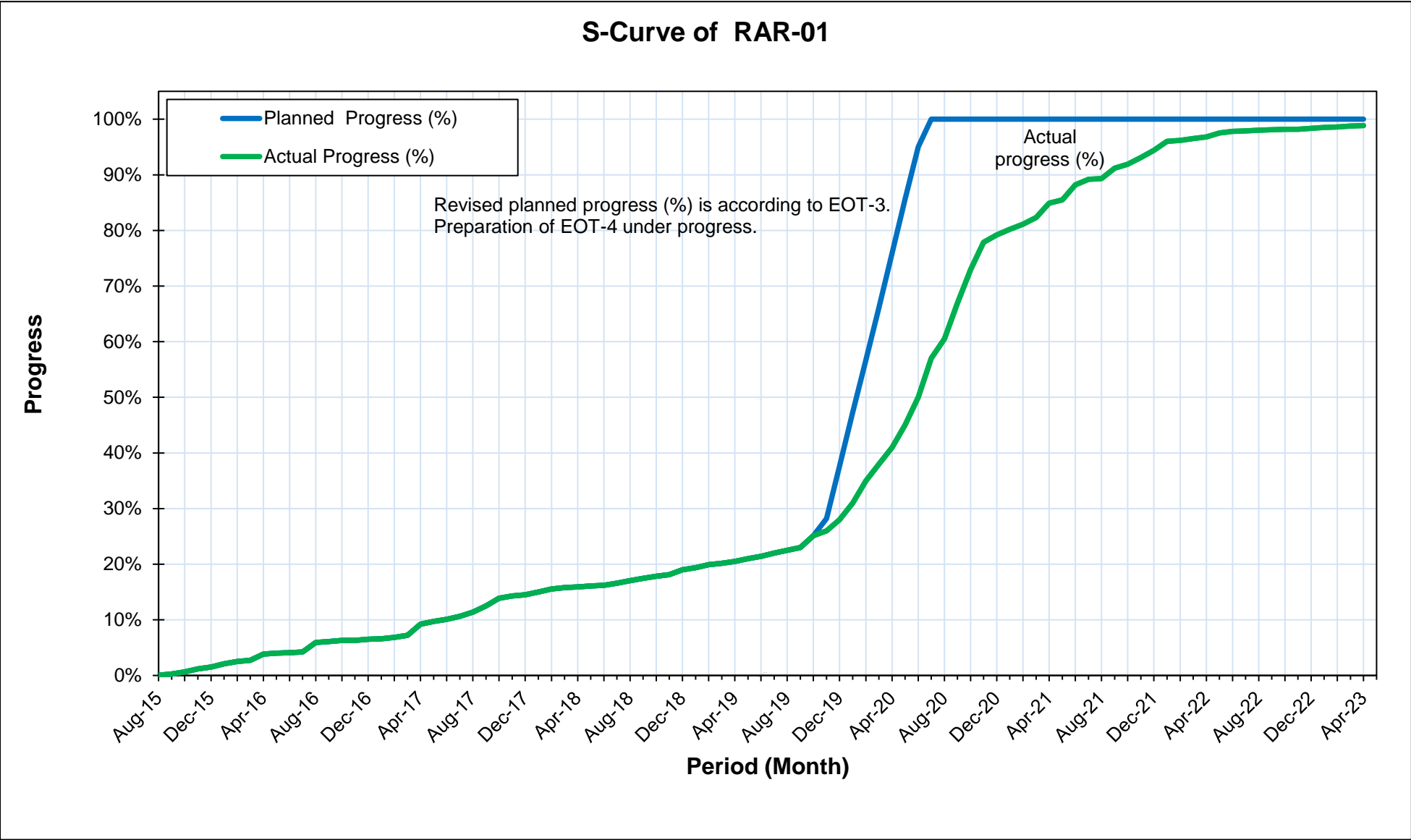


Figure 12: S Curve for Dasu-RAR-01

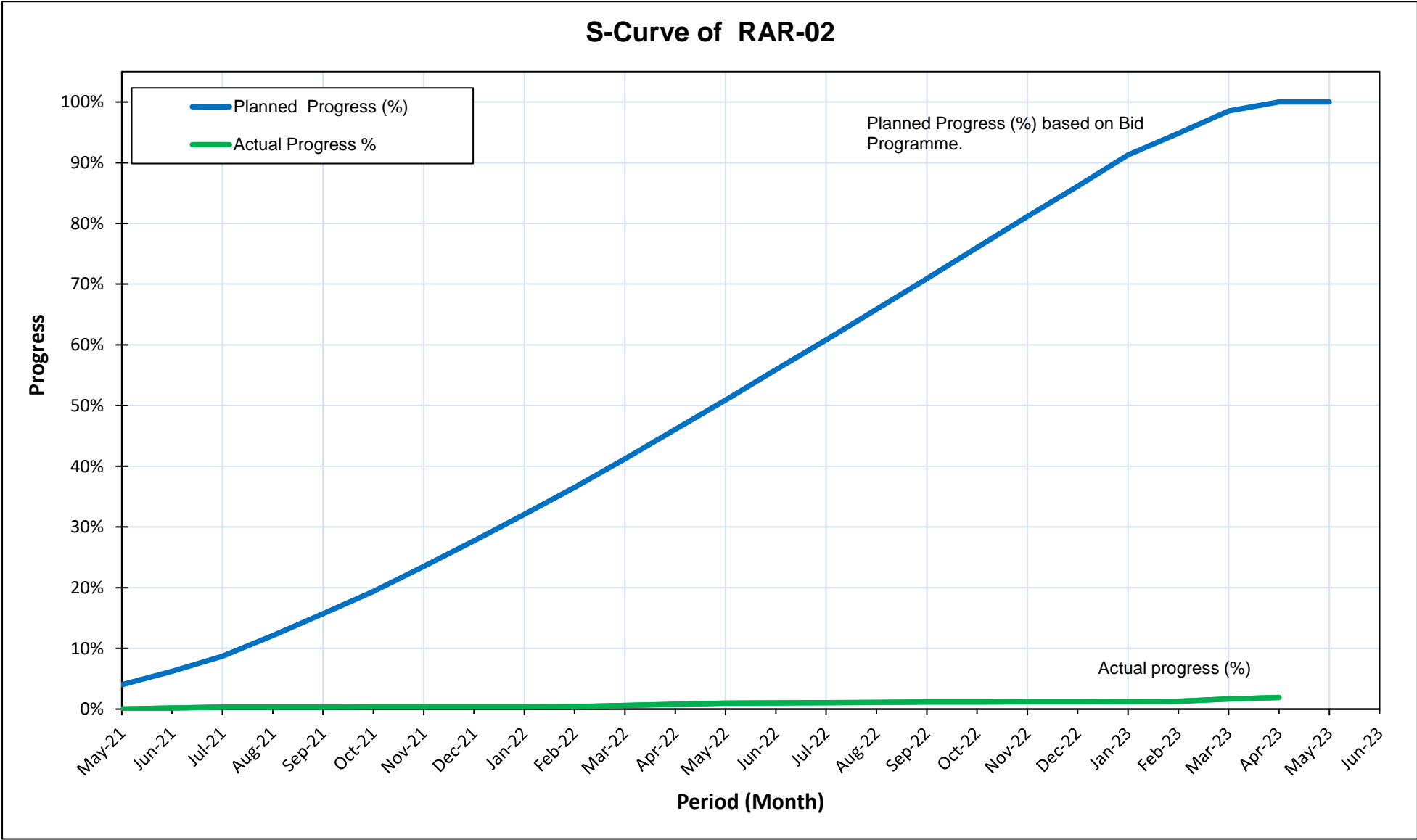


Figure 13: S Curve for Dasu-RAR-02

Figure 14 [1/4]

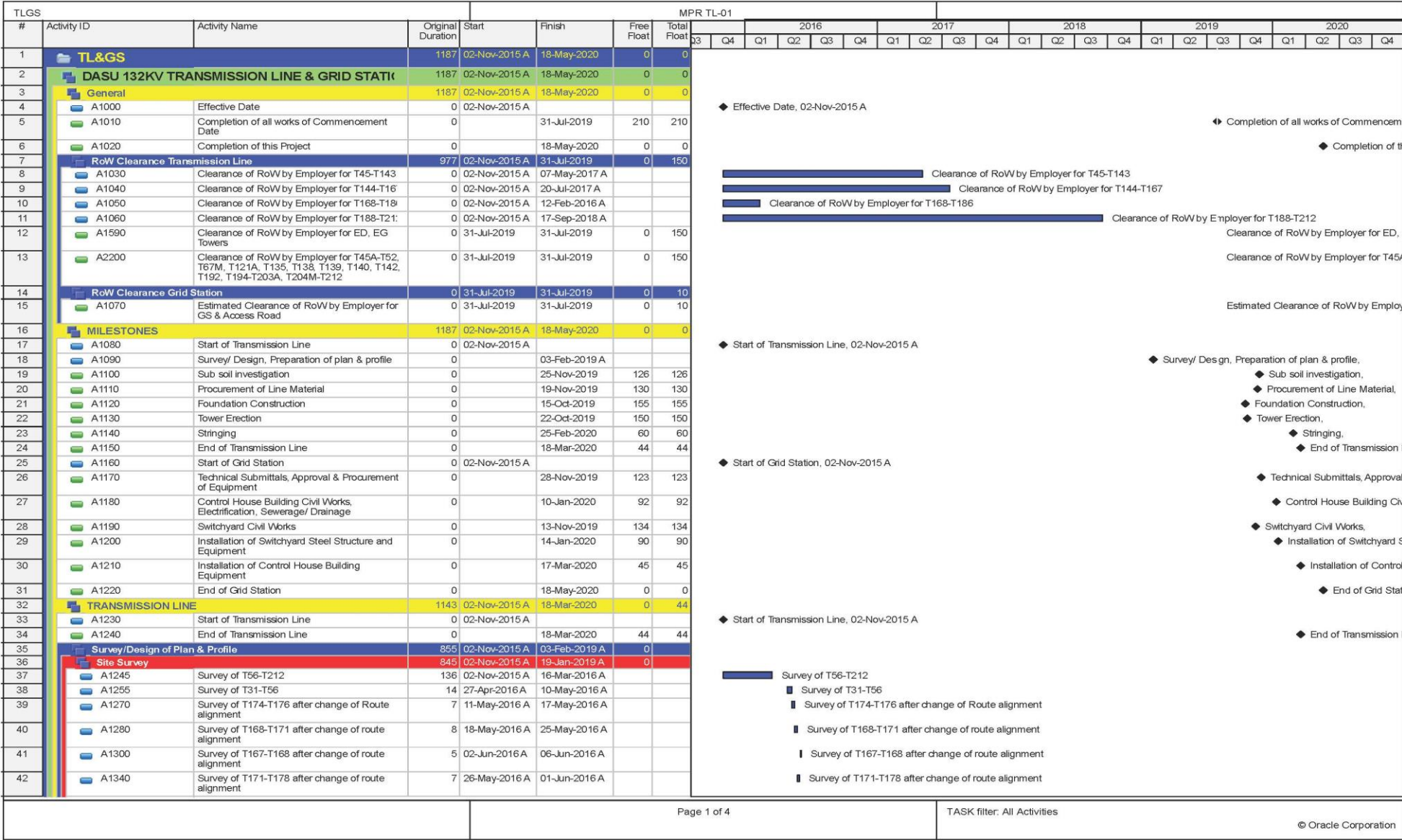
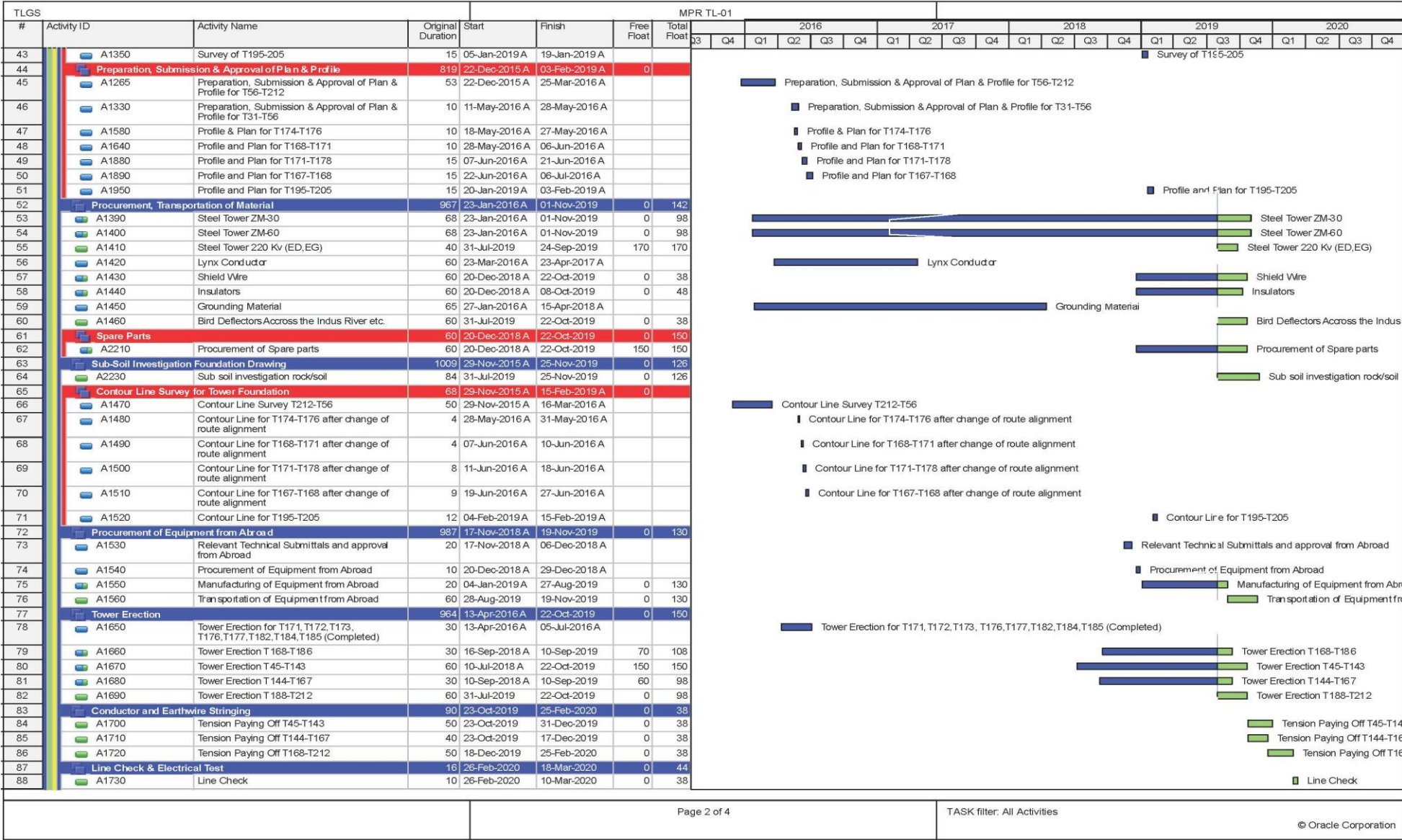


Figure 14: Gantt Chart of Dasu-TL-01 (1 of 4)

Figure 14 [2/4]



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

Figure 14 [4/4]

TLGS		MPR TL-01																											
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2016				2017				2018				2019				2020					
								Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
136	A2030	Construction of Control House Building	60	03-Oct-2019	25-Dec-2019	0	0																						
137	A2040	Installation of Electric Material for Control Room	9	26-Dec-2019	07-Jan-2020	0	92																						
138	A2050	Installation of other Facilities for Control Room	9	31-Dec-2019	10-Jan-2020	0	92																						
139	Switchyard		87	19-Sep-2019	17-Jan-2020	0	2																						
140	Switchyard Civil Works		40	19-Sep-2019	13-Nov-2019	0	13																						
141	A2060	Foundation Excavation	33	19-Sep-2019	04-Nov-2019	0	13																						
142	A2070	Concrete & Backfilling	30	03-Oct-2019	13-Nov-2019	0	13																						
143	Installation of Switchyard Steel Structure		47	14-Nov-2019	17-Jan-2020	0	2																						
144	A2080	Fabrication & Installation of Steel Structures & Gantries	15	14-Nov-2019	04-Dec-2019	11	13																						
145	A2090	Installation of Power Transformer	15	29-Nov-2019	19-Dec-2019	0	2																						
146	A2100	Installation of Circuit Breaker	10	20-Dec-2019	02-Jan-2020	0	2																						
147	A2110	Installation of other Equipment	21	20-Dec-2019	17-Jan-2020	0	2																						
148	A2120	Installation of Conductor (600mm)	18	20-Dec-2019	14-Jan-2020	0	2																						
149	Installation of Control House Building		59	26-Dec-2019	17-Mar-2020	0	0																						
150	A2130	Installation of Electric Panels	16	26-Dec-2019	16-Jan-2020	0	0																						
151	A2140	Placement of Power Cables	15	17-Jan-2020	06-Feb-2020	0	0																						
152	A2150	Connection of Cables & Busbars	28	07-Feb-2020	17-Mar-2020	0	0																						
153	Inspection and Taking Over		45	18-Mar-2020	18-May-2020	0	0																						
154	A2160	Test & Inspection of Electrical Equipment	30	18-Mar-2020	28-Apr-2020	0	0																						
155	A2170	Inspection & Acceptance before Transmission Line Electrified	8	29-Apr-2020	07-May-2020	0	0																						
156	A2180	Running Electrified Transmission Line	4	08-May-2020	13-May-2020	0	0																						
157	A2190	Issuance of Completion Certificate for Grid Station	3	14-May-2020	18-May-2020	0	0																						

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

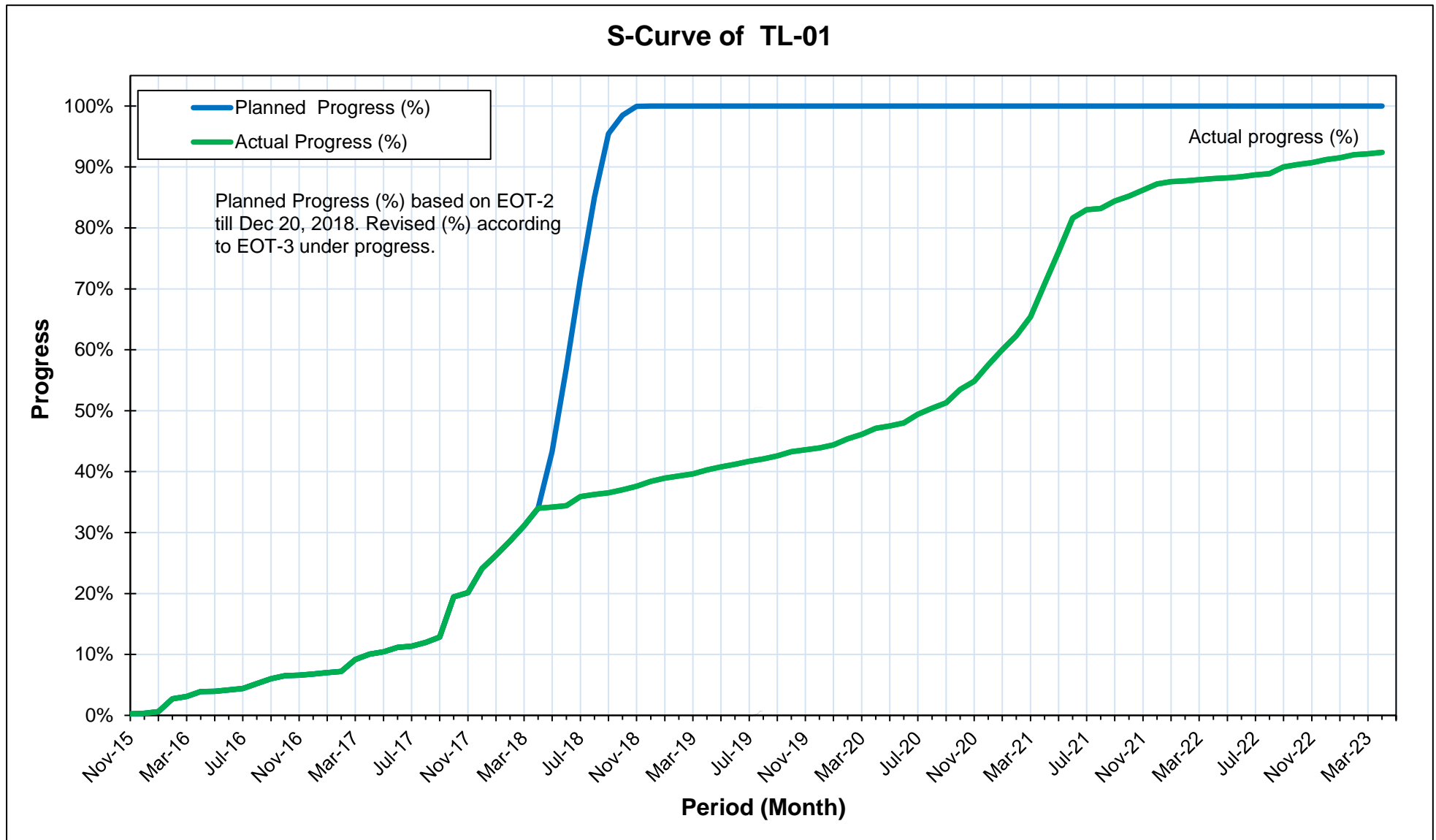


Figure 15: S Curve for Dasu-TL-01

Figure 16 [1/6]

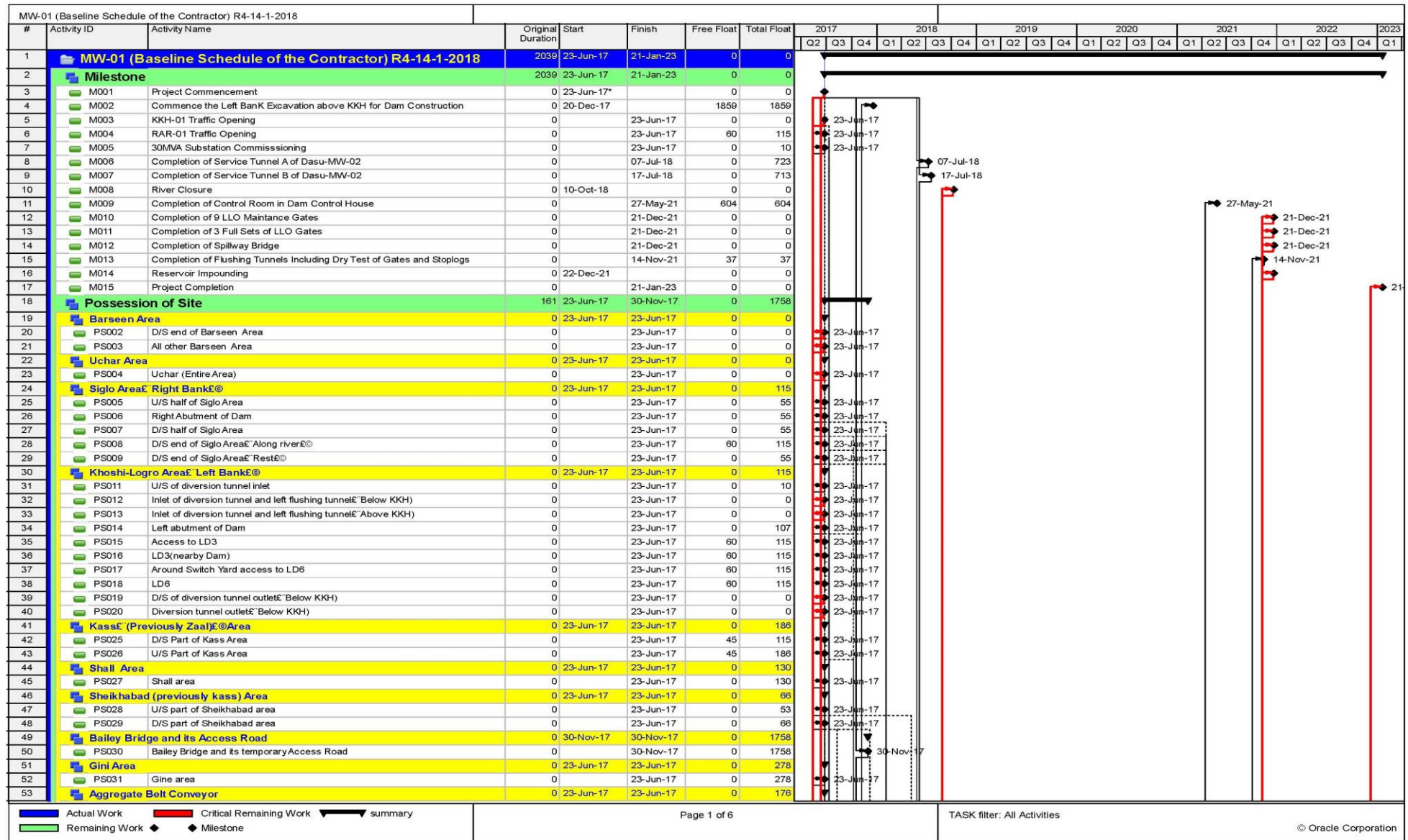
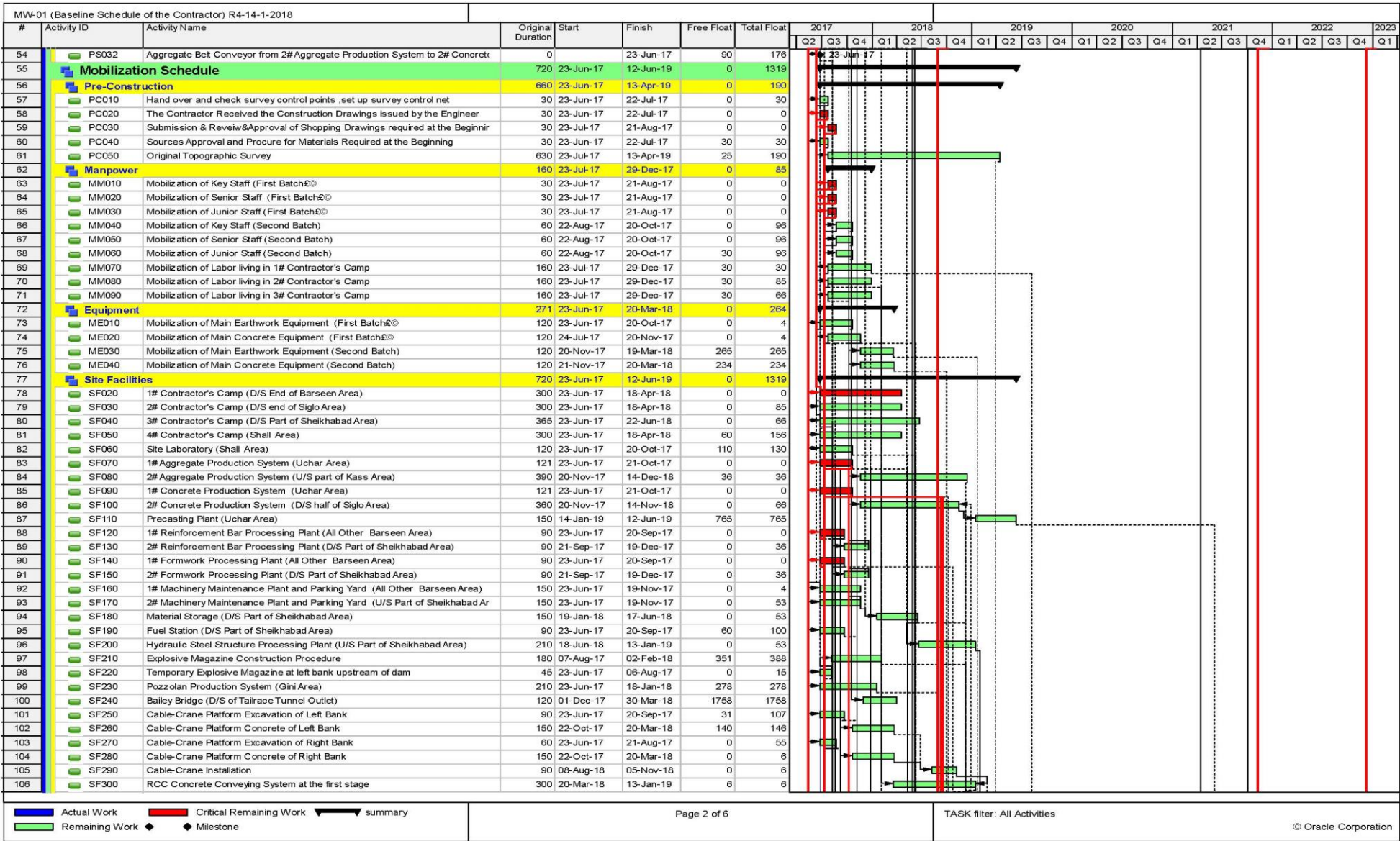


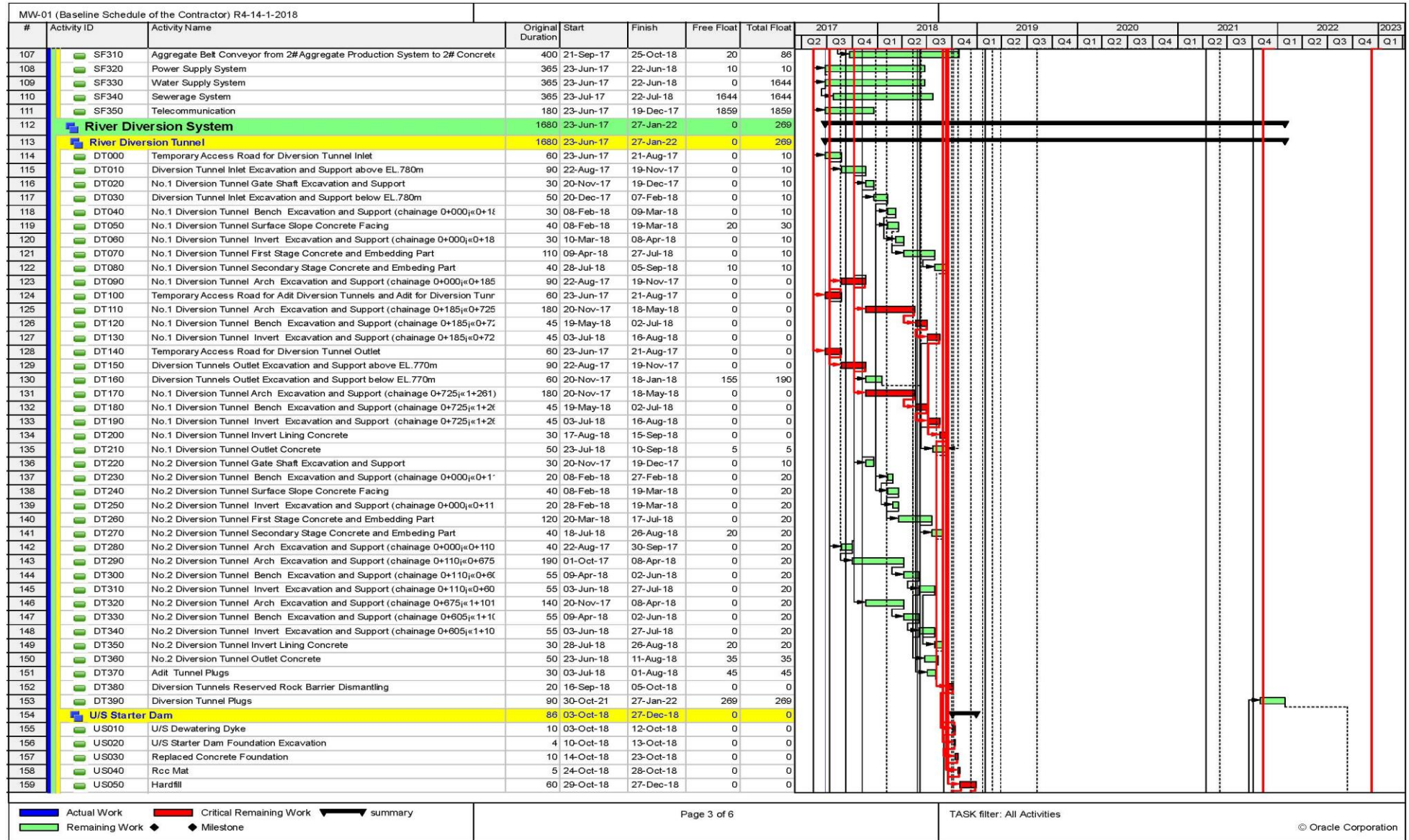
Figure 16: Gantt Chart of Dasu-MW-01 (1 of 6)

Figure 16 [2/6]



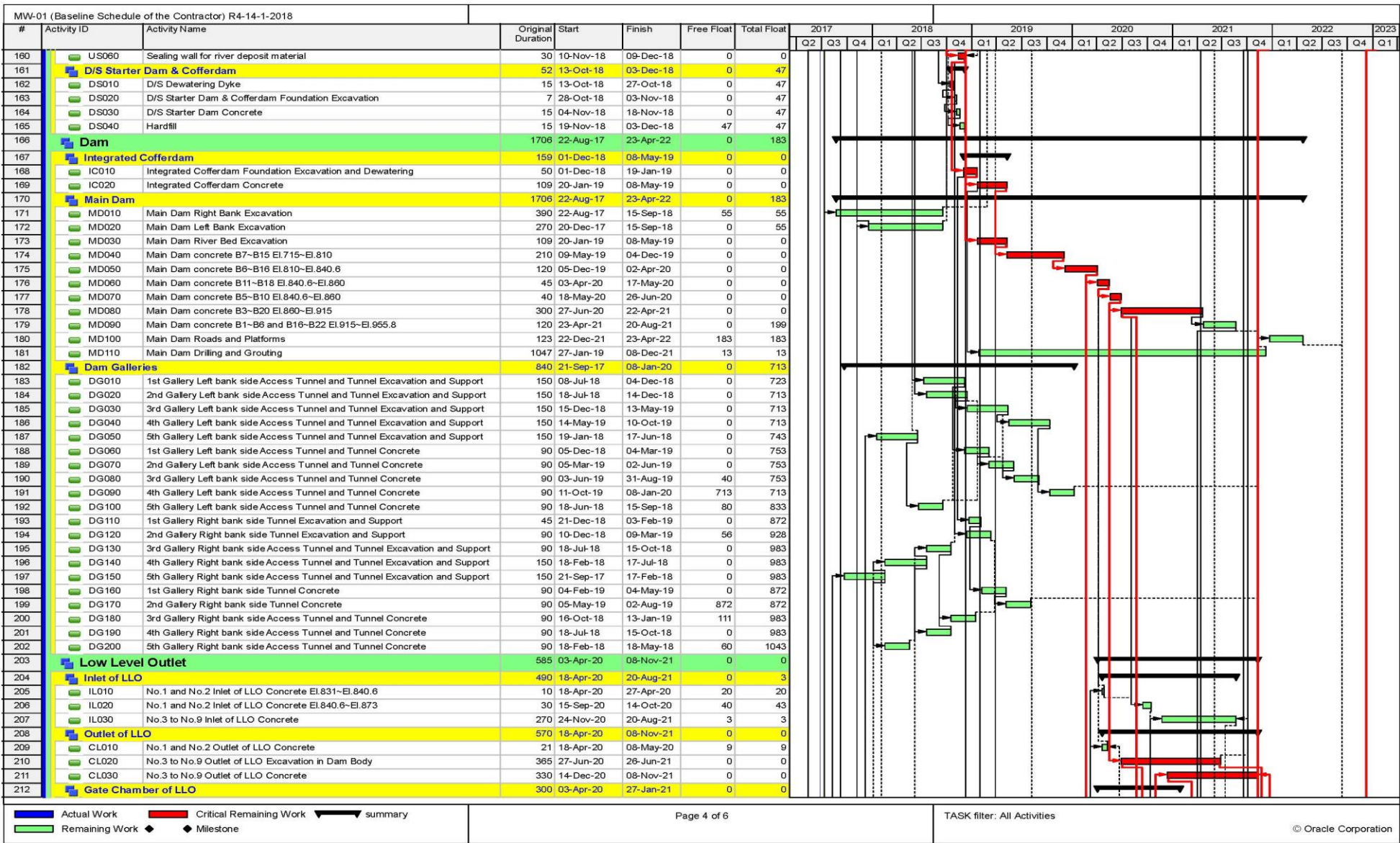
Gantt Chart of Dasu-MW-01 (2 of 6)

Figure 16 [3/6]



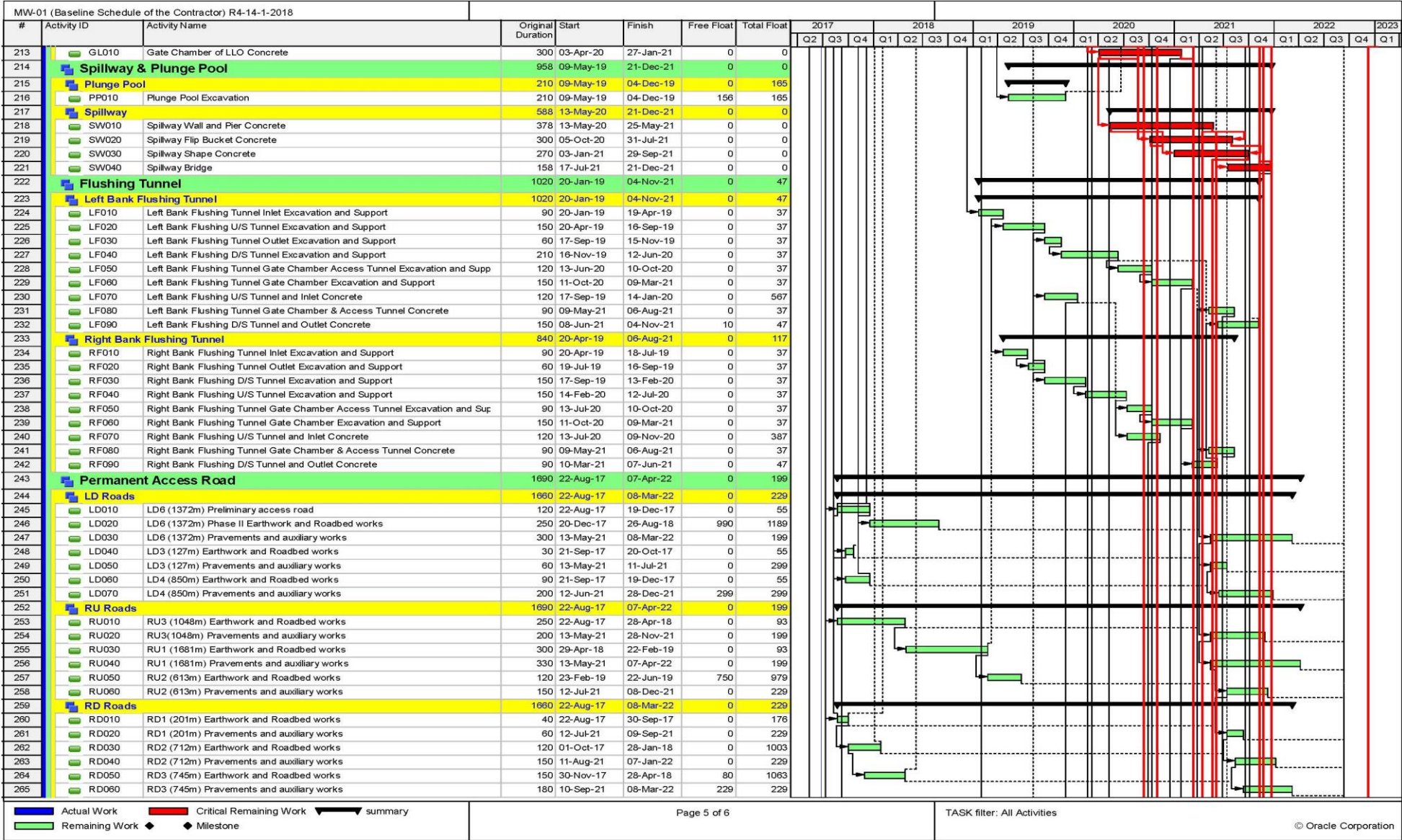
Gantt Chart of Dasu-MW-01 (3 of 6)

Figure 16 [4/6]



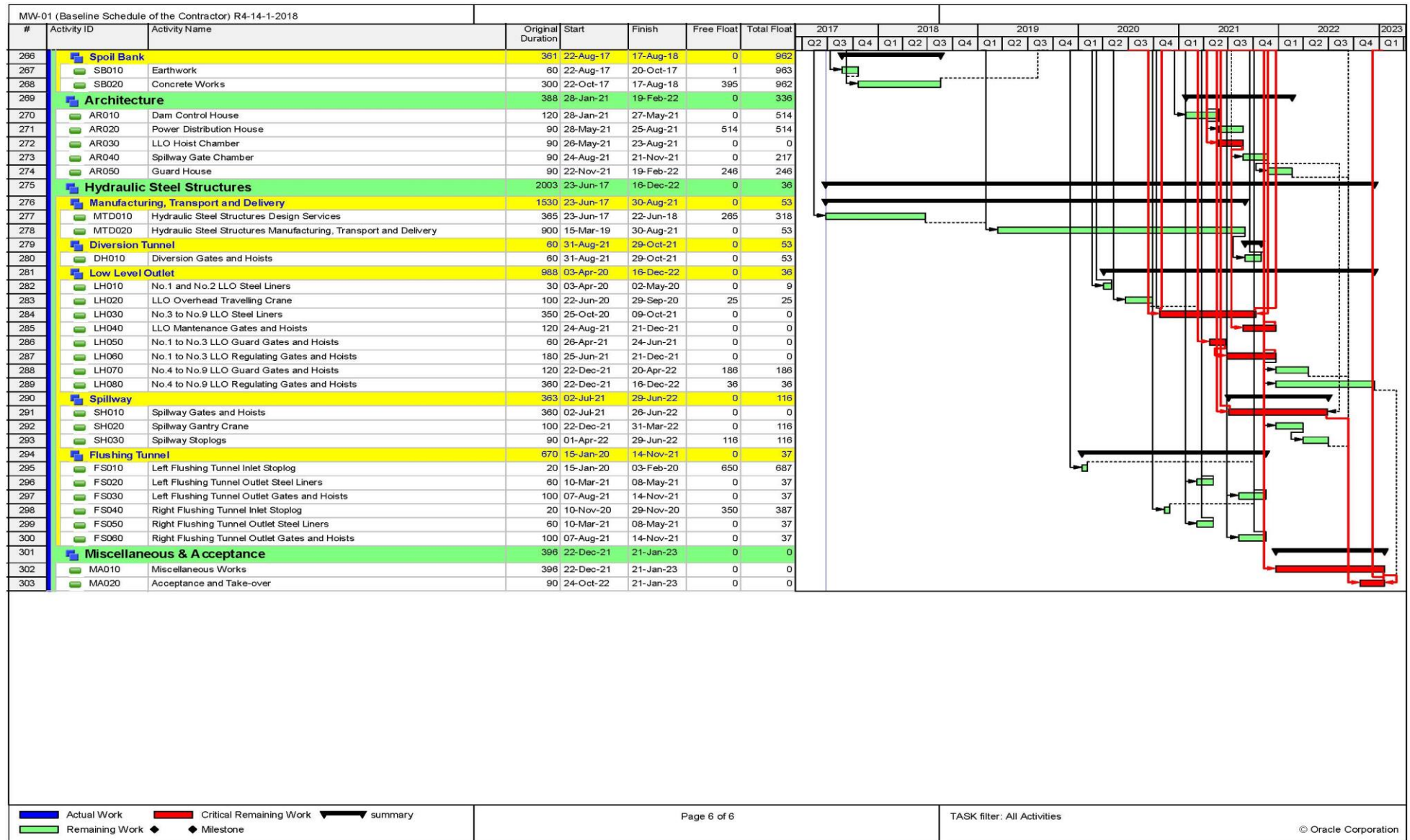
Gantt Chart of Dasu-MW-01 (4 of 6)

Figure 16 [5/6]



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

Figure 16 [6/6]



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

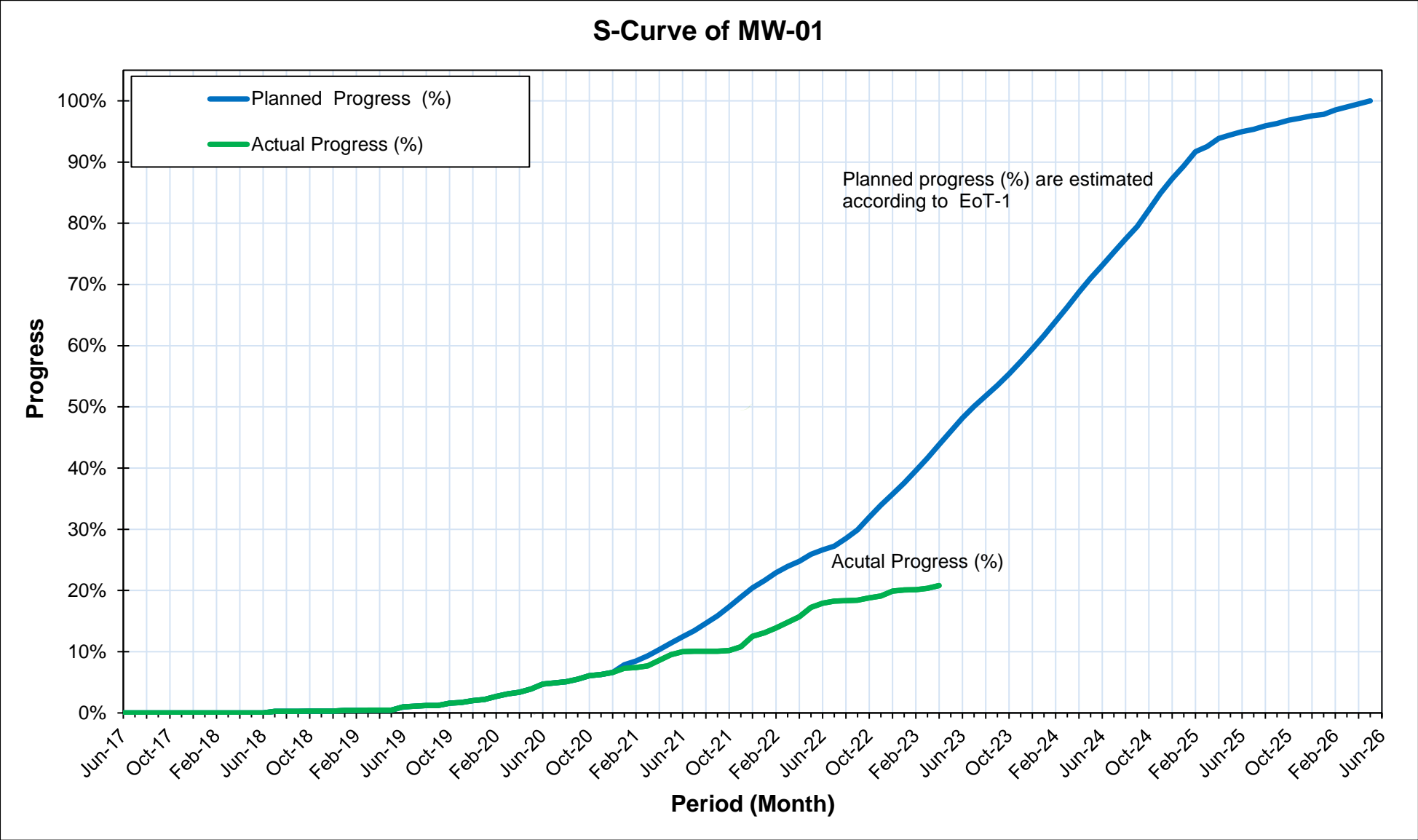


Figure 17: S-Curve for MW-01

Figure 18 [1/8]

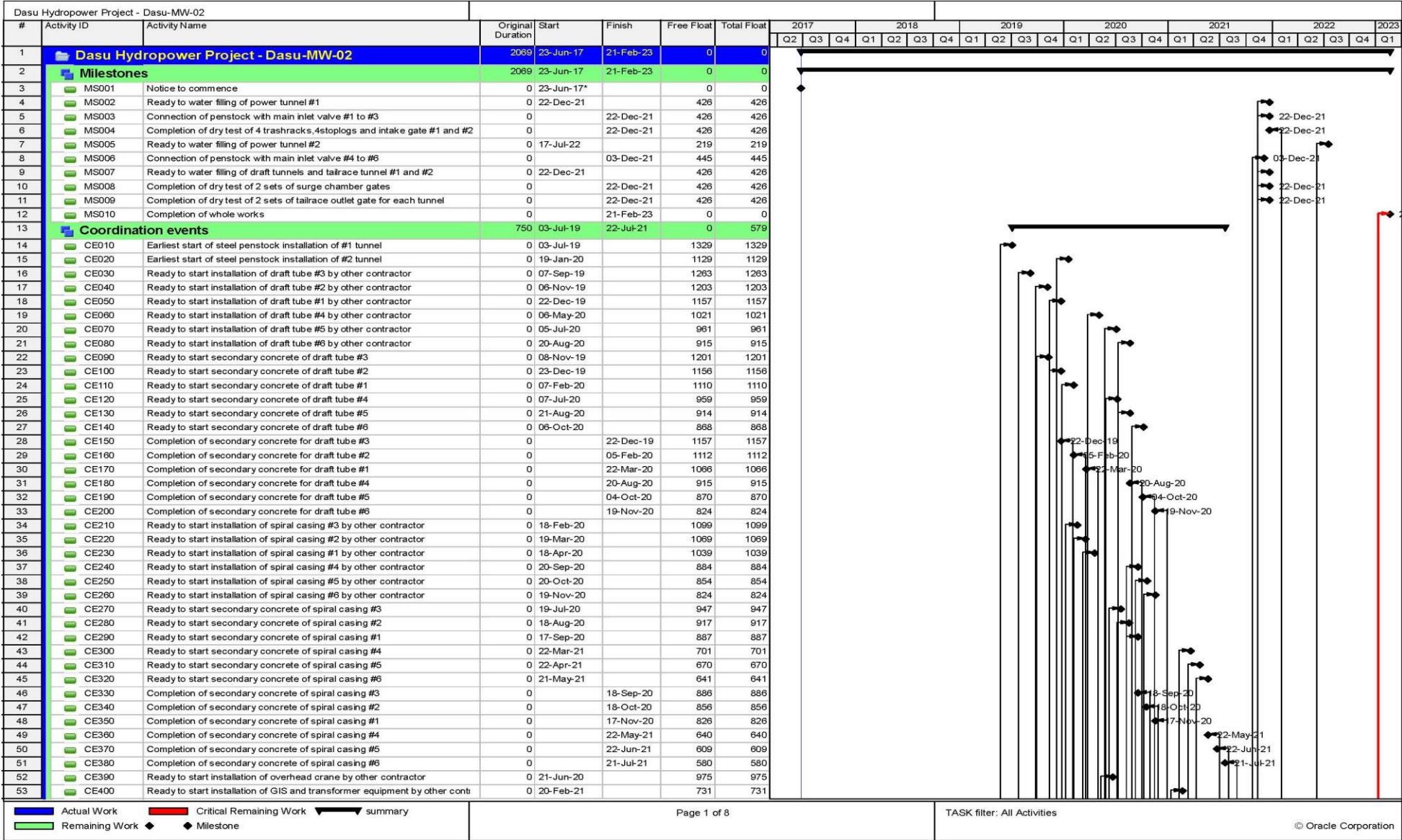
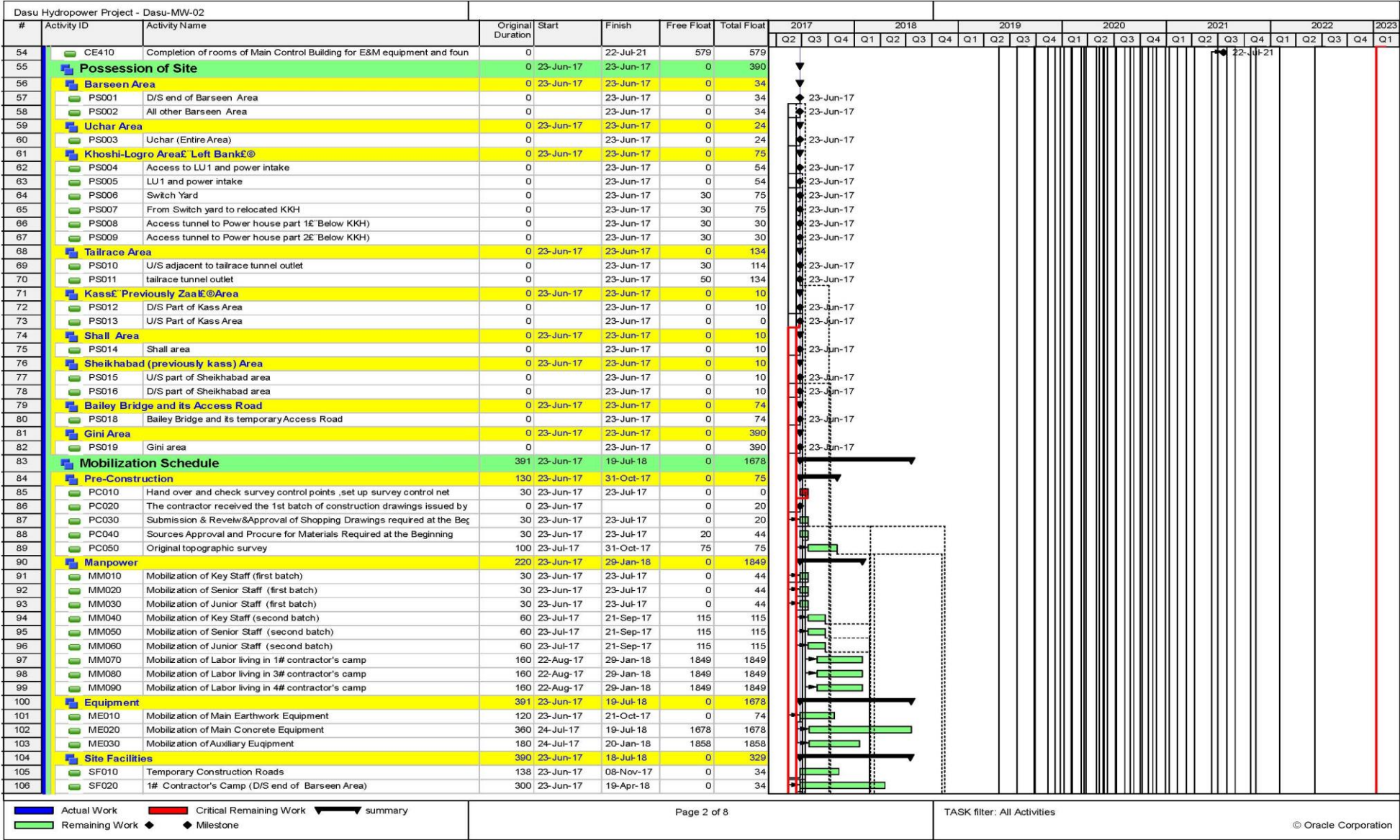


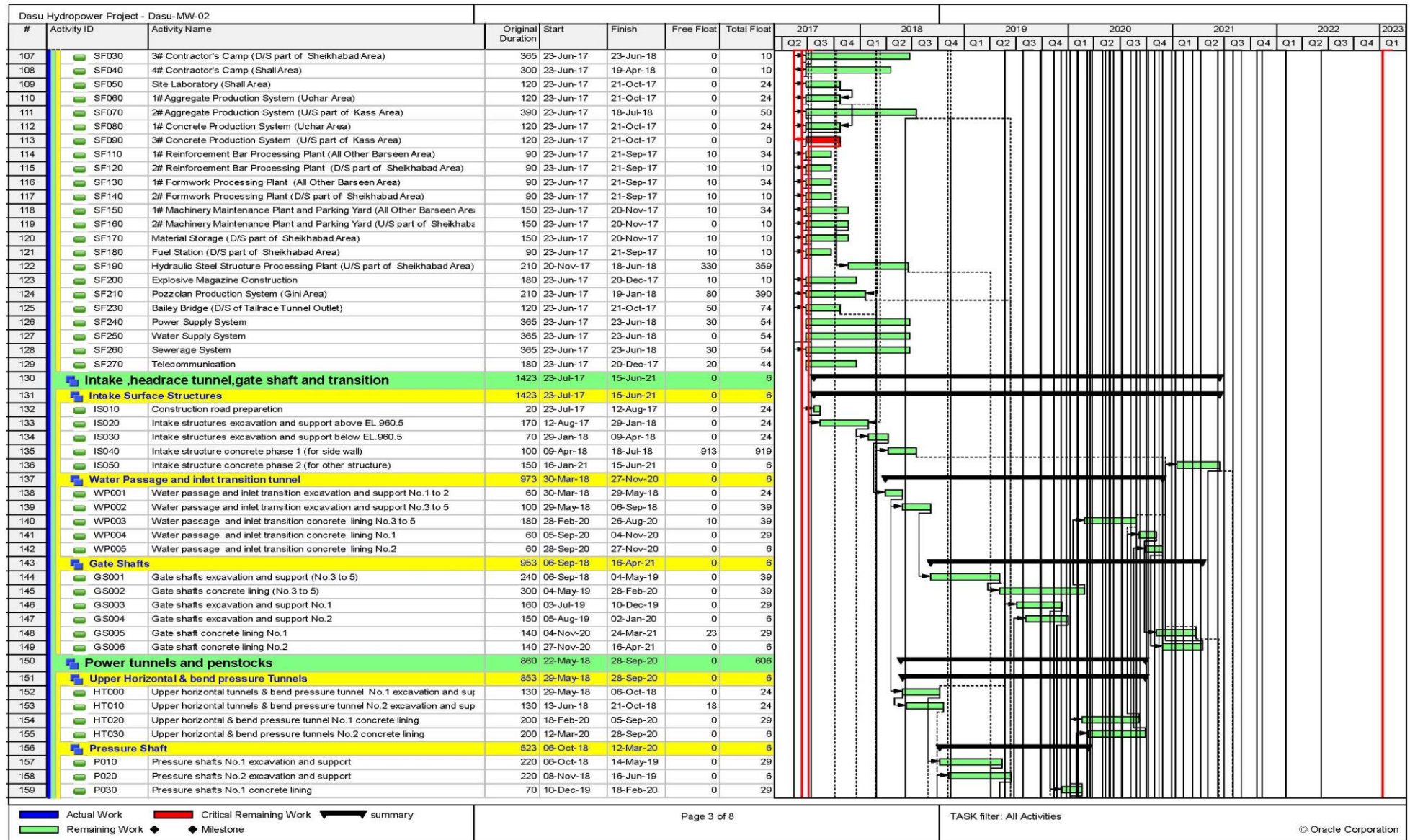
Figure 18: Gantt Chart of Dasu-MW-02 (1 of 8)

Figure 18 [2/8]



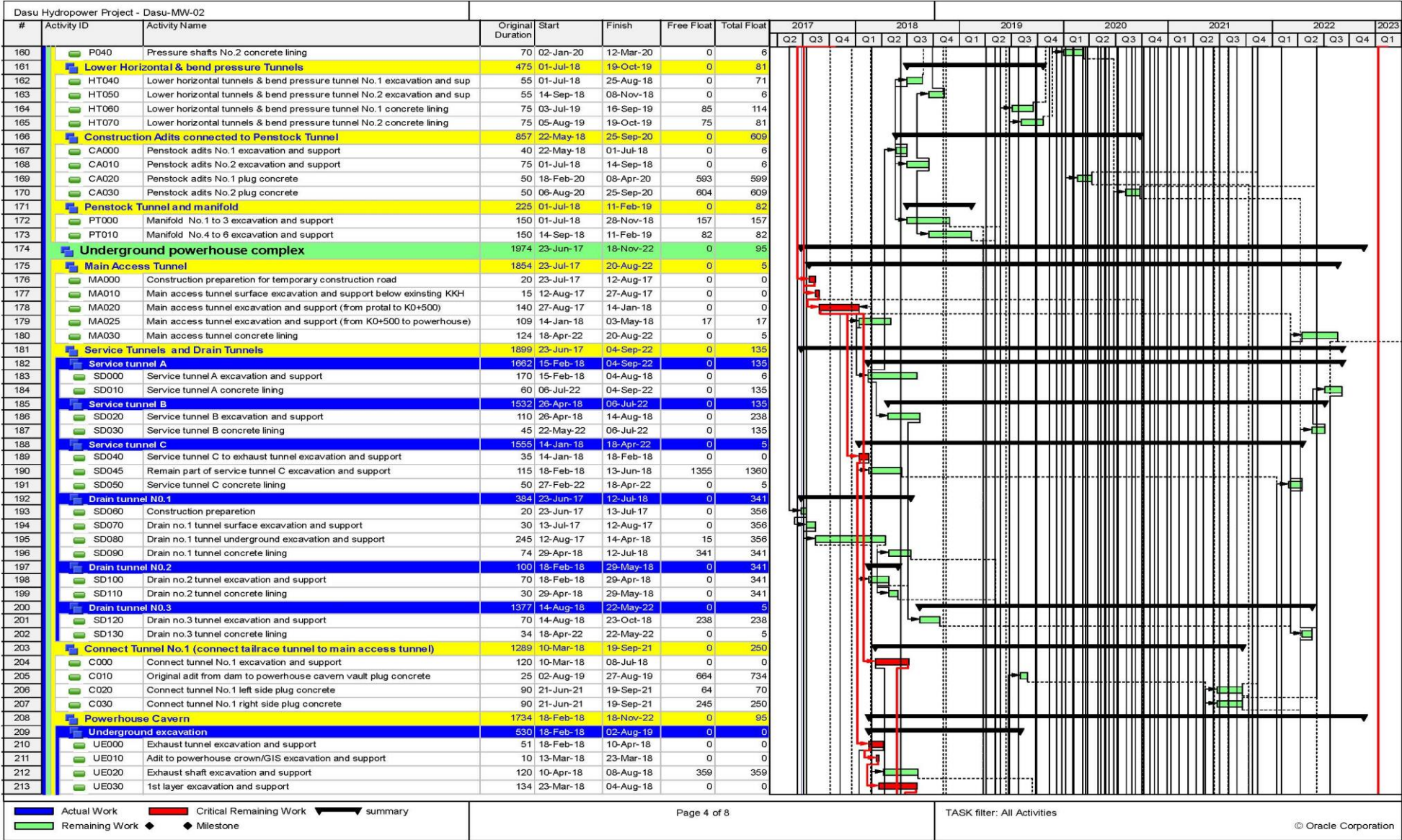
Gantt Chart of Dasu-MW-02 (2 of 8)

Figure 18 [3/8]



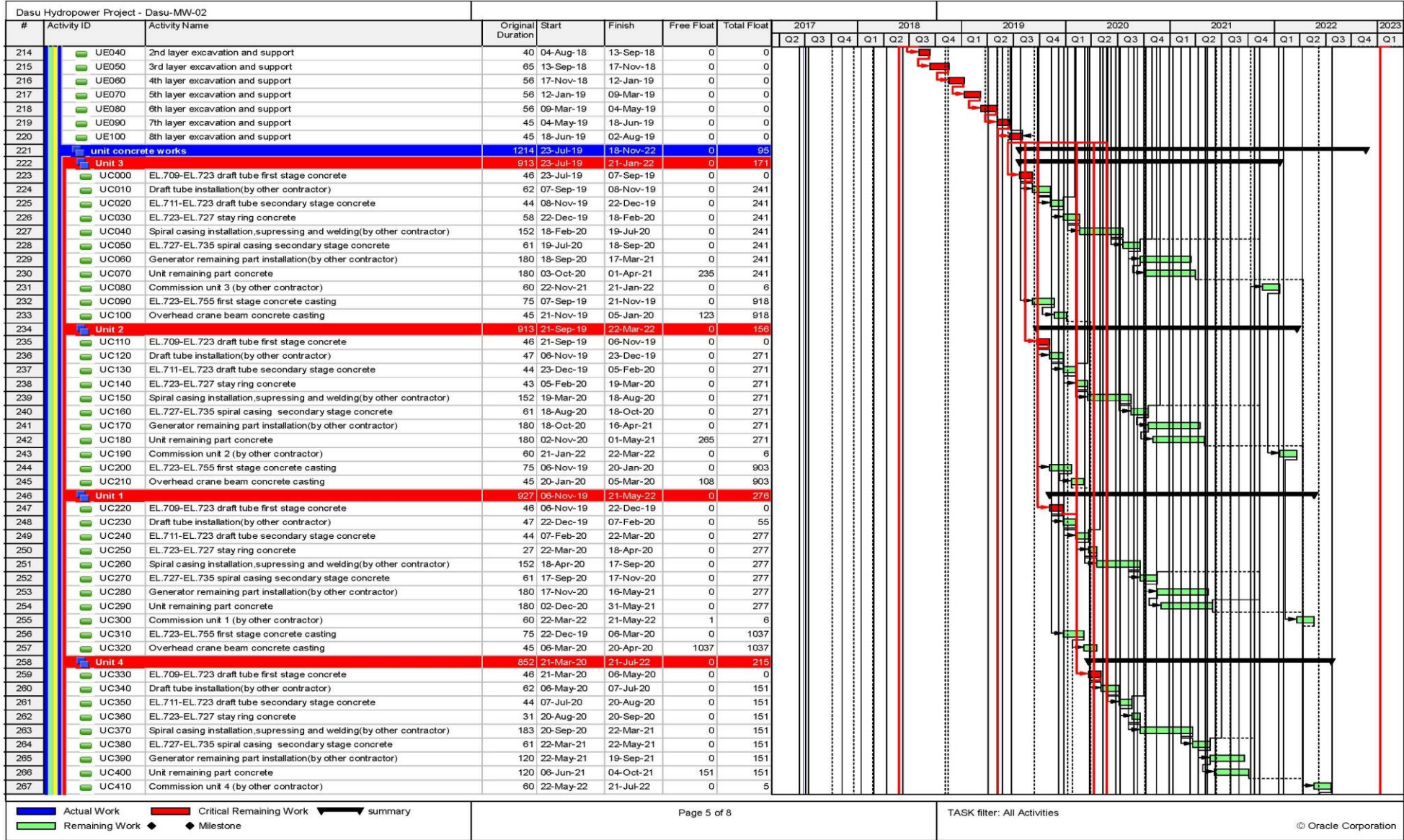
Gantt Chart of Dasu-MW-02 (3 of 8)

Figure 18 [4/8]



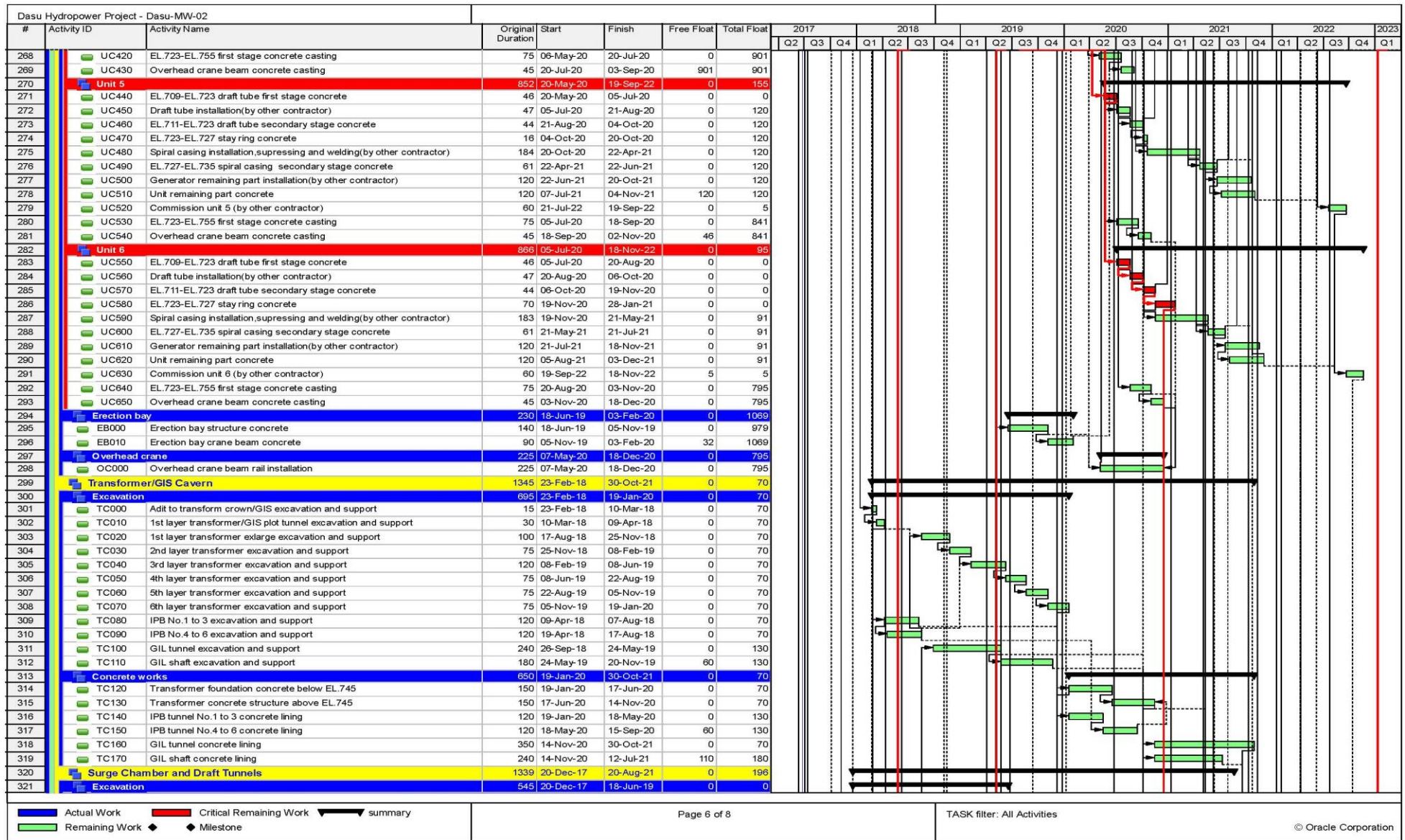
Gantt Chart of Dasu-MW-02 (4 of 8)

Figure 18 [5/8]



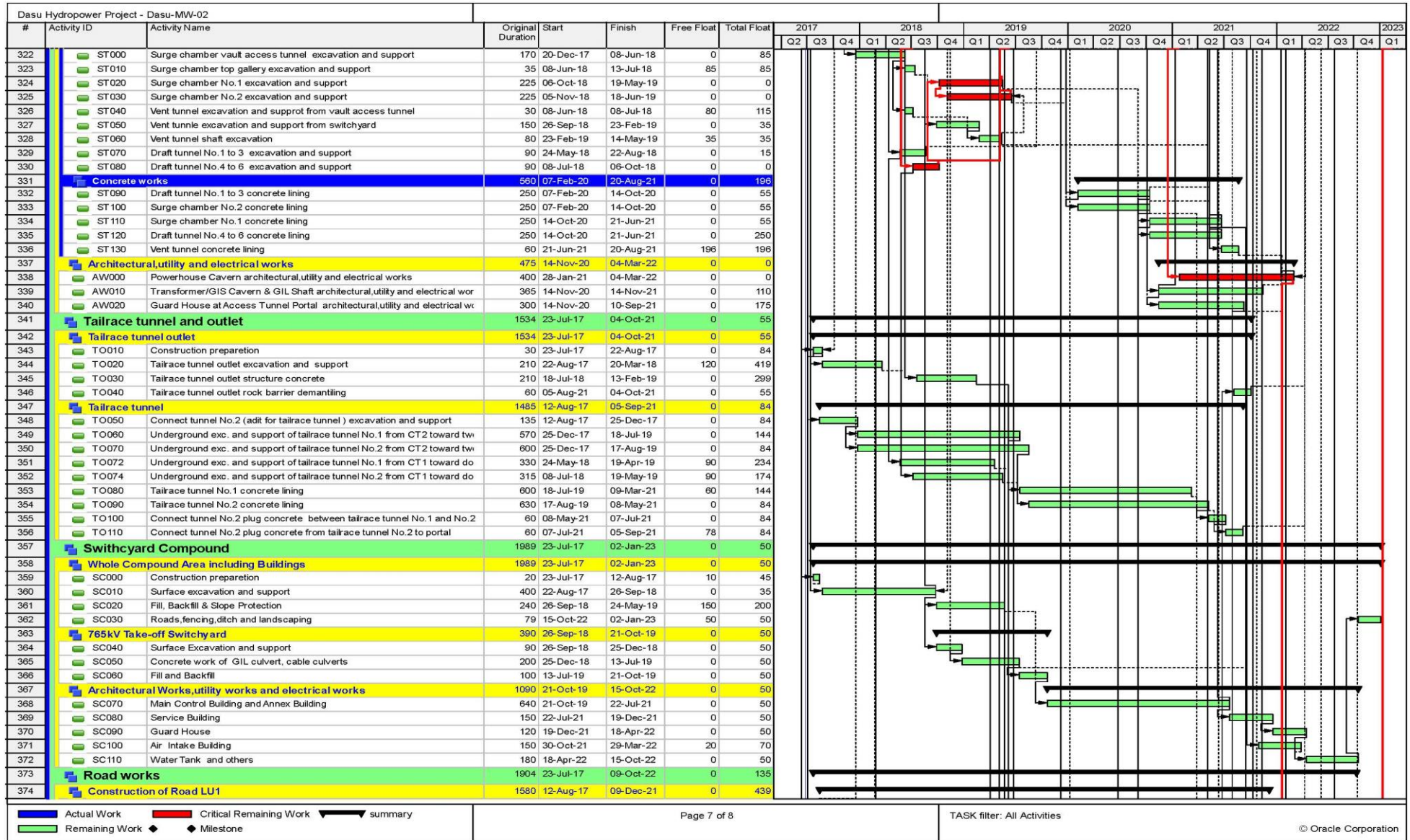
Gantt Chart of Dasu-MW-02 (5 of 8)

Figure 18 [6/8]



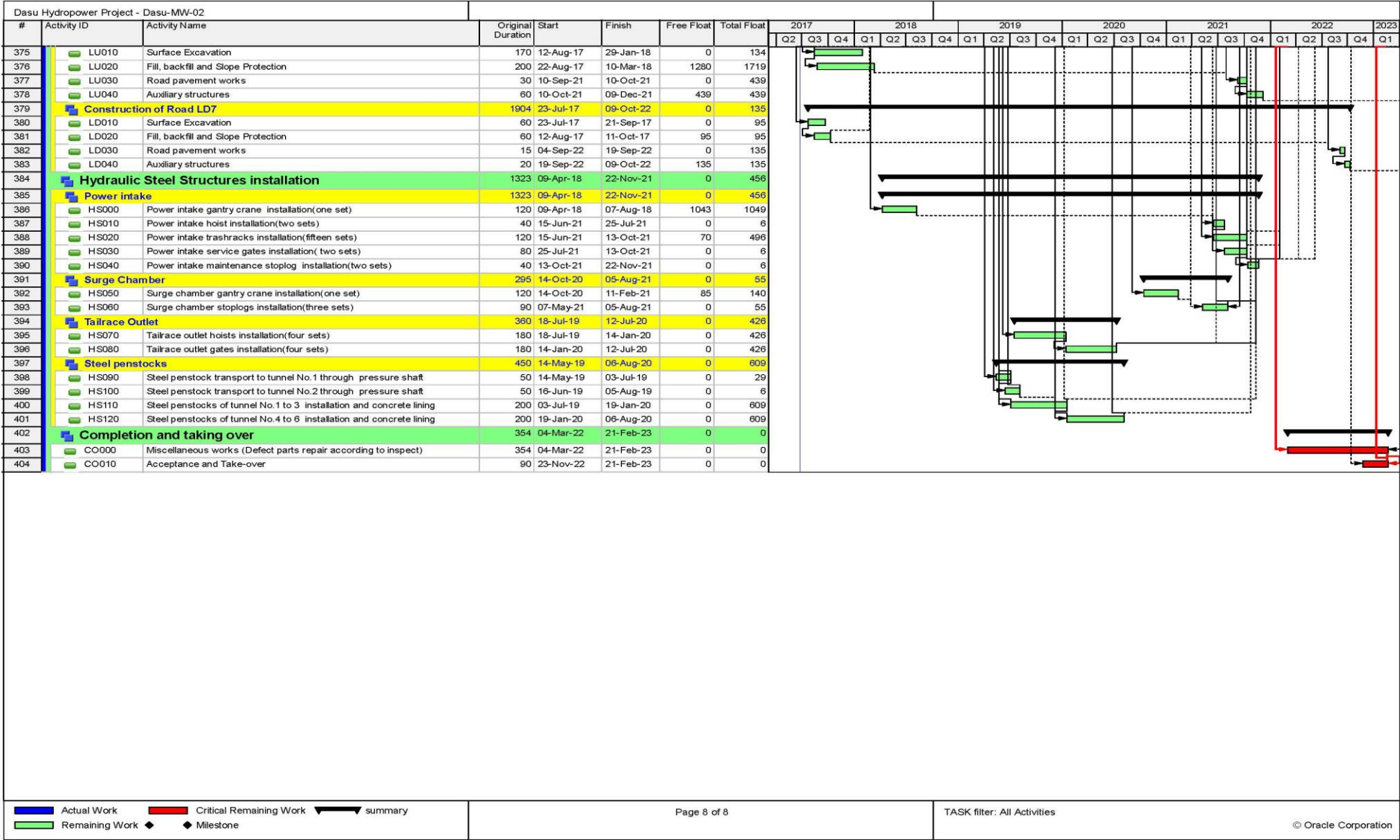
Gantt Chart of Dasu-MW-02 (6 of 8)

Figure 18 [7/8]



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

Figure 18 [8/8]



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

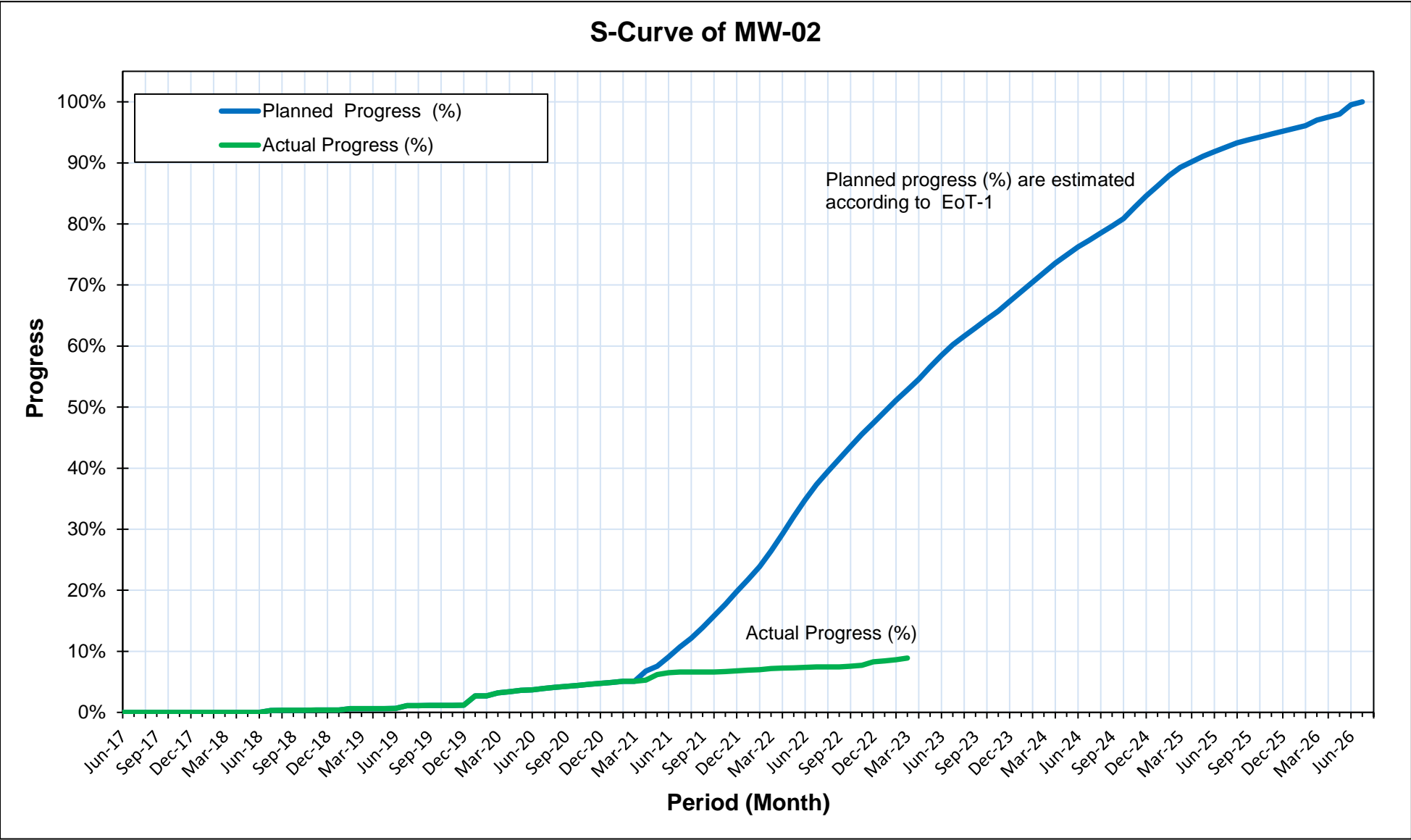


Figure 19: S-Curve for MW-02

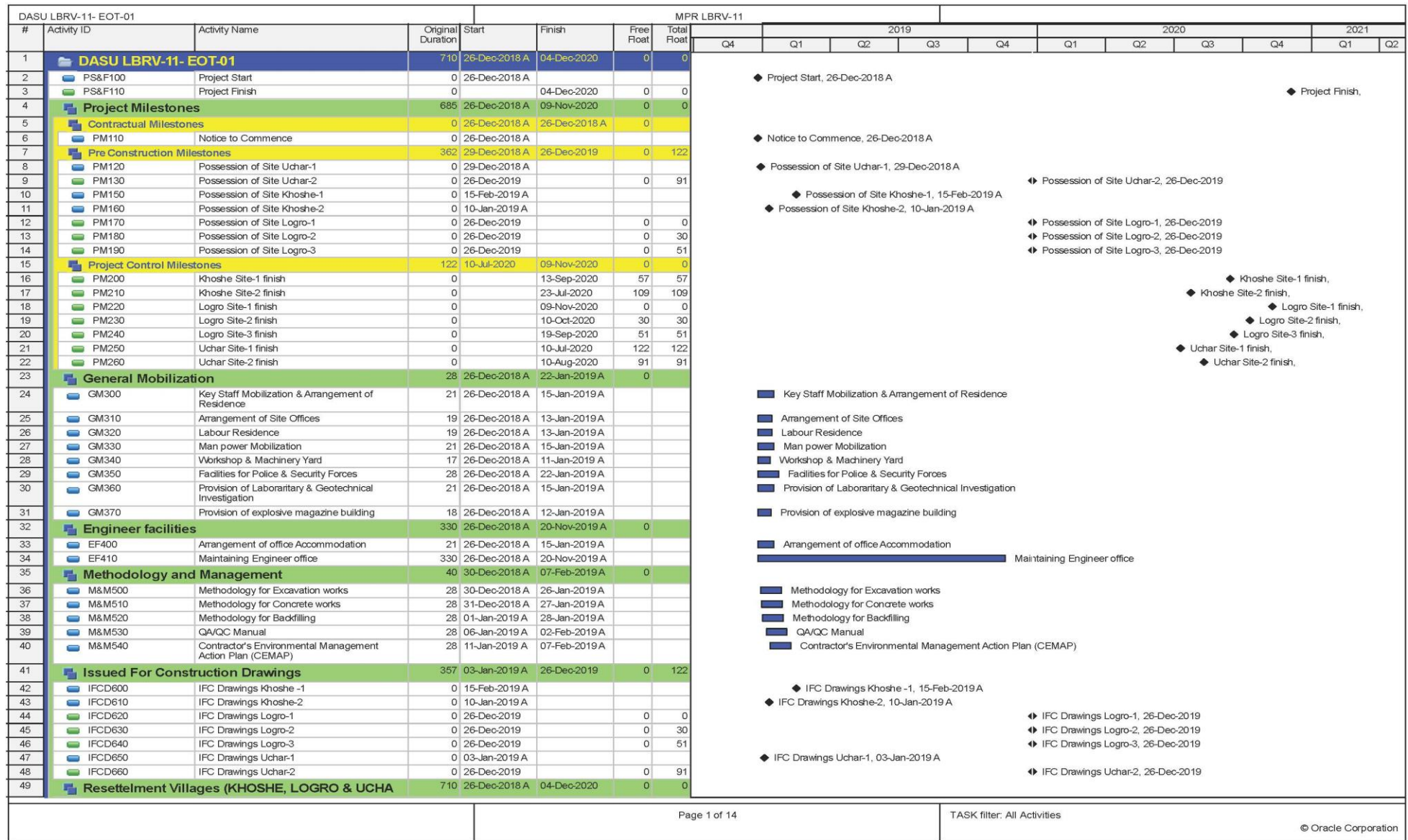
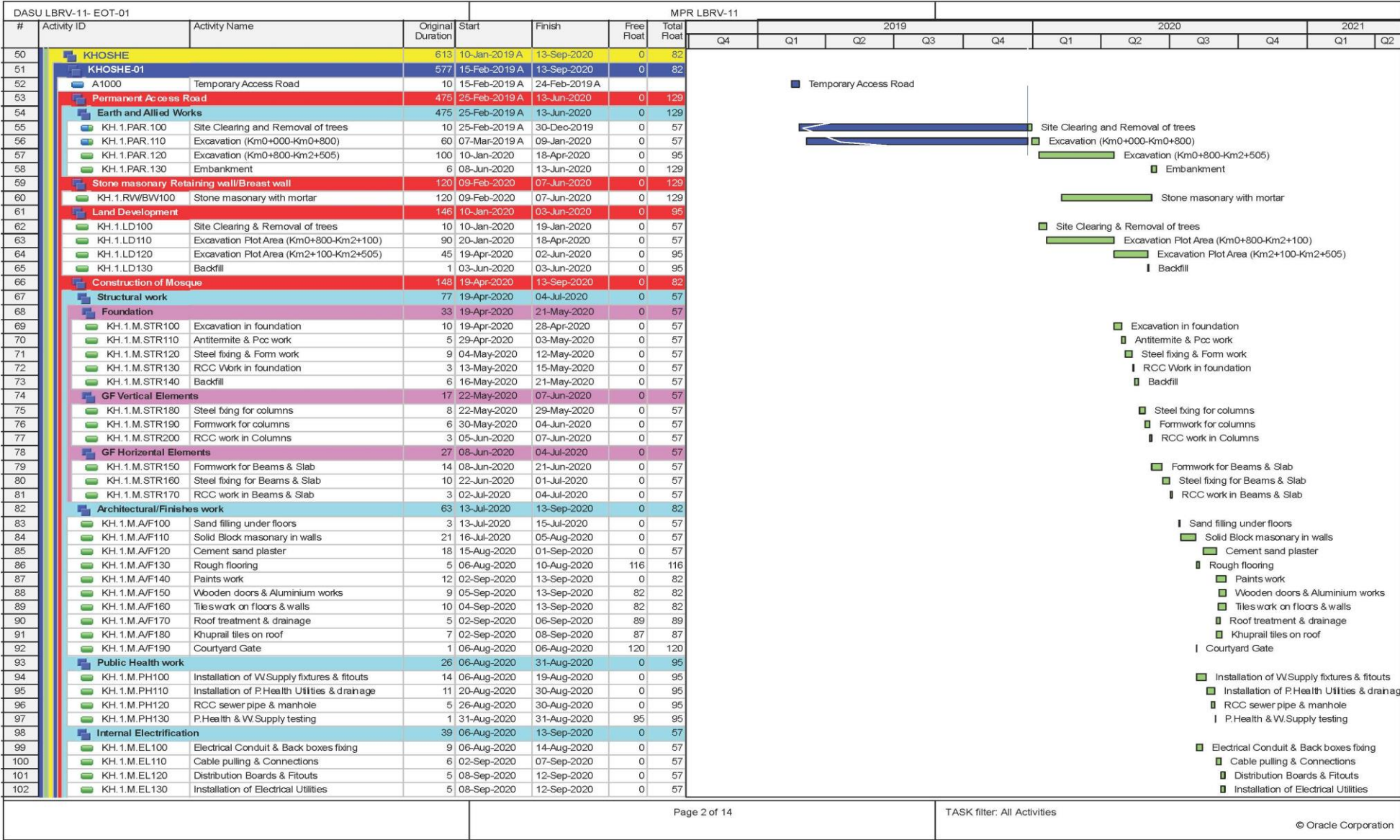
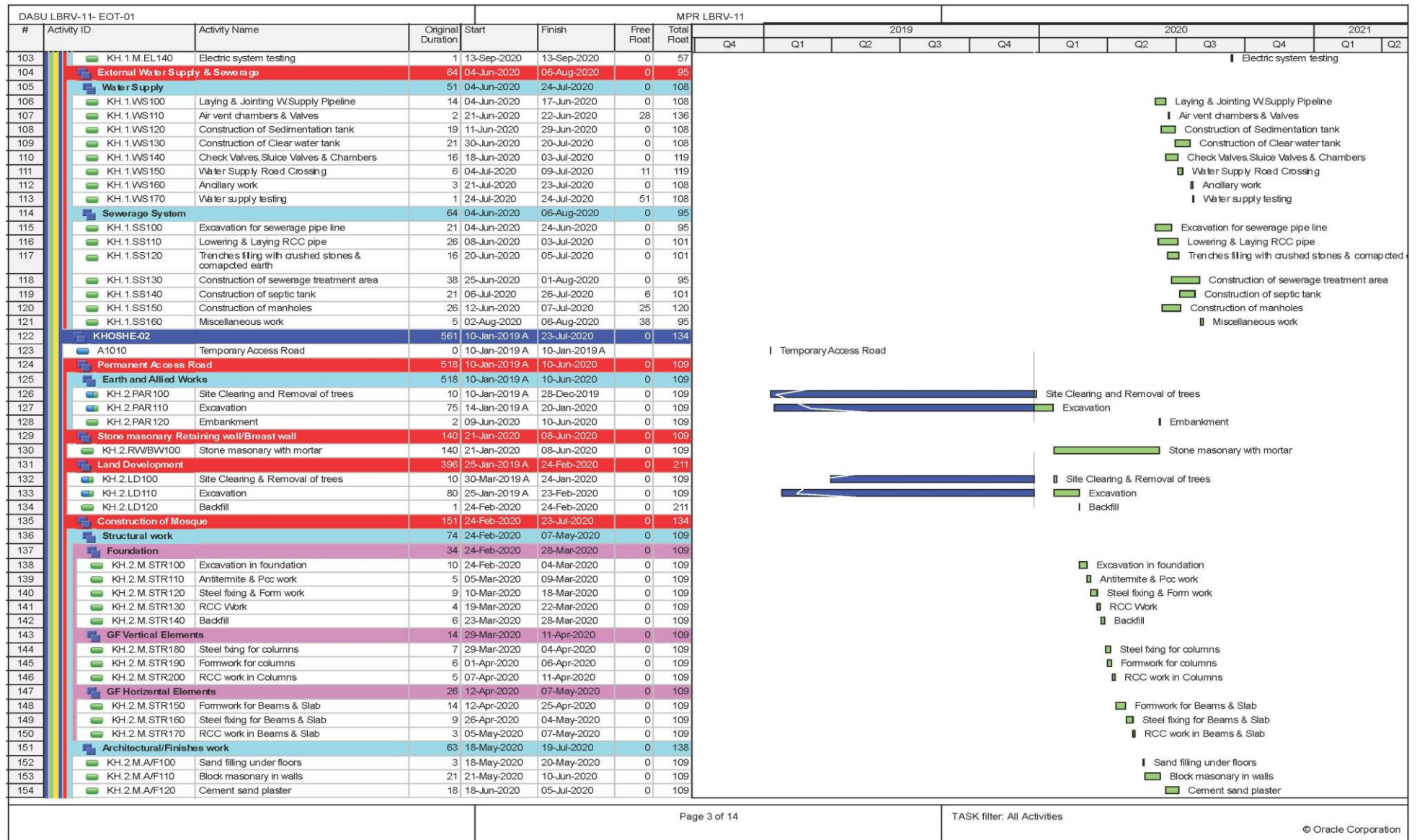


Figure 20: Gantt Chart of Dasu-LBRV-11 (1 of 14)

Figure 20 [2/14]



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



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

DASU LBRV-11- EOT-01				MPR LBRV-11															
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
155	KH.2.M.A/F130	Rough flooring	5	11-Jun-2020	15-Jun-2020	172	172												
156	KH.2.M.A/F140	Paints work	14	06-Jul-2020	19-Jul-2020	0	138												
157	KH.2.M.A/F150	Wooden doors & Aluminium works	9	11-Jul-2020	19-Jul-2020	0	138												
158	KH.2.M.A/F160	Tiles work on floors & walls	8	12-Jul-2020	19-Jul-2020	138	138												
159	KH.2.M.A/F170	Roof treatment & drainage	5	06-Jul-2020	10-Jul-2020	147	147												
160	KH.2.M.A/F180	Khuprail tiles on roof	7	06-Jul-2020	12-Jul-2020	145	145												
161	KH.2.M.A/F190	Courtyard Gate	1	11-Jun-2020	11-Jun-2020	176	176												
162	Public Health work		19	11-Jun-2020	29-Jun-2020	0	158												
163	KH.2.M.PH100	Installation of WSupply fixtures & fitouts	10	11-Jun-2020	20-Jun-2020	0	158												
164	KH.2.M.PH110	Installation of P Health Utilities & drainage	8	21-Jun-2020	28-Jun-2020	0	158												
165	KH.2.M.PH120	RCC sewer pipe & manhole	5	24-Jun-2020	28-Jun-2020	0	158												
166	KH.2.M.PH130	P.Health & W.Supply testing	1	29-Jun-2020	29-Jun-2020	158	158												
167	Internal Electrification		43	11-Jun-2020	23-Jul-2020	0	109												
168	KH.2.M.EL100	Electrical Conduit & Back boxes fixing	7	11-Jun-2020	17-Jun-2020	0	109												
169	KH.2.M.EL110	Cable pulling & Connections	6	06-Jul-2020	11-Jul-2020	0	109												
170	KH.2.M.EL120	Distribution Boards & Fitouts	5	12-Jul-2020	16-Jul-2020	0	109												
171	KH.2.M.EL130	Installation of Electrical Utilities	6	17-Jul-2020	22-Jul-2020	0	109												
172	KH.2.M.EL140	Electric system testing	1	23-Jul-2020	23-Jul-2020	0	109												
173	External Water Supply & Sewerage		48	25-Feb-2020	12-Apr-2020	0	211												
174	Water Supply		42	02-Mar-2020	12-Apr-2020	0	211												
175	KH.2.WS100	Laying & Jointing WSupply Pipeline	14	02-Mar-2020	15-Mar-2020	0	211												
176	KH.2.WS110	Air vent chambers & Valves	2	16-Mar-2020	17-Mar-2020	17	228												
177	KH.2.WS120	Construction of Sedimentation tank	19	14-Mar-2020	01-Apr-2020	0	211												
178	KH.2.WS130	Construction of Clear water tank	21	14-Mar-2020	03-Apr-2020	0	211												
179	KH.2.WS150	Check Valves,Sluice Valves & Chambers	12	16-Mar-2020	27-Mar-2020	7	218												
180	KH.2.WS160	WSupply Road & Nullah crossing	6	16-Mar-2020	21-Mar-2020	13	224												
181	KH.2.WS170	Ancillary work	3	04-Apr-2020	06-Apr-2020	0	211												
182	KH.2.WS180	Water supply testing	1	12-Apr-2020	12-Apr-2020	102	211												
183	Sewerage System		45	25-Feb-2020	09-Apr-2020	0	214												
184	KH.2.SS100	Excavation for sewerage pipe line	13	25-Feb-2020	08-Mar-2020	0	214												
185	KH.2.SS110	Lowering & Laying RCC pipe	12	29-Feb-2020	11-Mar-2020	0	214												
186	KH.2.SS120	Trenches filling with crushed stones & compacted earth	12	03-Mar-2020	14-Mar-2020	0	214												
187	KH.2.SS130	Construction of sewerage treatment area	12	09-Mar-2020	20-Mar-2020	15	229												
188	KH.2.SS140	Construction of septic tank	21	15-Mar-2020	04-Apr-2020	0	214												
189	KH.2.SS150	Construction of manholes	16	29-Feb-2020	15-Mar-2020	20	234												
190	KH.2.SS160	Miscellaneous work	5	05-Apr-2020	09-Apr-2020	105	214												
191	LOGRO		320	26-Dec-2019	09-Nov-2020	0	25												
192	LOGRO-01		320	26-Dec-2019	09-Nov-2020	0	25												
193	LG.1.TAR.100	Temporary Access Road	18	26-Dec-2019	12-Jan-2020	0	0												
194	Permanent Access Road		234	13-Jan-2020	02-Sep-2020	0	53												
195	Earth and Allied Works		234	13-Jan-2020	02-Sep-2020	0	53												
196	LG.1.PAR100	Site Clearing and Removal of trees	10	13-Jan-2020	22-Jan-2020	0	0												
197	LG.1.PAR110	Excavation Link-1	65	16-Jan-2020	20-Mar-2020	0	0												
198	LG.1.PAR130	Excavation Link-2	45	21-Mar-2020	04-May-2020	0	40												
199	LG.1.PAR140	Excavation Link-3	35	05-May-2020	08-Jun-2020	0	40												
200	LG.1.PAR150	Embankment	6	28-Aug-2020	02-Sep-2020	0	53												
201	Stone masonry Retaining wall/Breast wall		160	21-Mar-2020	27-Aug-2020	0	53												
202	LG.1.RW/BW100	Stone masonry with mortar	160	21-Mar-2020	27-Aug-2020	0	53												
203	Land Development		100	21-Mar-2020	28-Jun-2020	0	114												
204	LG.1.LD100	Site Clearing & Removal of trees	10	21-Mar-2020	30-Mar-2020	0	0												
205	LG.1.LD110	Excavation (Link-1 Plot Area)	45	21-Mar-2020	04-May-2020	0	0												
206	LG.1.LD120	Excavation (Link-2 Plot Area)	35	05-May-2020	08-Jun-2020	0	0												

- Rough flooring
- Paints work
- Wooden doors & Aluminium works
- Tiles work on floors & walls
- Roof treatment & drainage
- Khuprail tiles on roof
- Courtyard Gate
- Installation of WSupply fixtures & fitouts
- Installation of P Health Utilities & drainage
- RCC sewer pipe & manhole
- P.Health & W.Supply testing
- Electrical Conduit & Back boxes fixing
- Cable pulling & Connections
- Distribution Boards & Fitouts
- Installation of Electrical Utilities
- Electric system testing
- Laying & Jointing WSupply Pipeline
- Air vent chambers & Valves
- Construction of Sedimentation tank
- Construction of Clear water tank
- Check Valves,Sluice Valves & Chambers
- WSupply Road & Nullah crossing
- Ancillary work
- Water supply testing
- Excavation for sewerage pipe line
- Lowering & Laying RCC pipe
- Trenches filling with crushed stones & compacted earth
- Construction of sewerage treatment area
- Construction of septic tank
- Construction of manholes
- Miscellaneous work
- Temporary Access Road
- Site Clearing and Removal of trees
- Excavation Link-1
- Excavation Link-2
- Excavation Link-3
- Embankment
- Stone masonry with mortar
- Site Clearing & Removal of trees
- Excavation (Link-1 Plot Area)
- Excavation (Link-2 Plot Area)

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

DASU LBRV-11- EOT-01		MPR LBRV-11						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	Construction of Mosque		153	05-May-2020	04-Oct-2020	0	61														
210	Structural work		82	05-May-2020	25-Jul-2020	0	40														
211	Foundation		38	05-May-2020	11-Jun-2020	0	40														
212	LG.1.M.STR100	Excavation in foundation	11	05-May-2020	15-May-2020	0	40														
213	LG.1.M.STR110	Antitermite & Pcc work	6	16-May-2020	21-May-2020	0	40														
214	LG.1.M.STR120	Steel fixing & Form work	10	22-May-2020	31-May-2020	0	40														
215	LG.1.M.STR130	RCC Work	5	01-Jun-2020	05-Jun-2020	0	40														
216	LG.1.M.STR140	Backfill	6	06-Jun-2020	11-Jun-2020	0	40														
217	GF Vertical Elements		22	12-Jun-2020	03-Jul-2020	0	40														
218	LG.1.M.STR150	Steel fixing for columns	10	12-Jun-2020	21-Jun-2020	0	40														
219	LG.1.M.STR160	Formwork for columns	7	22-Jun-2020	28-Jun-2020	0	40														
220	LG.1.M.STR170	RCC work in Columns	5	29-Jun-2020	03-Jul-2020	0	40														
221	GF Horizontal Elements		22	04-Jul-2020	25-Jul-2020	0	40														
222	LG.1.M.STR180	Formwork for Beams & Slab	11	04-Jul-2020	14-Jul-2020	0	40														
223	LG.1.M.STR190	Steel fixing for Beams & Slab	8	15-Jul-2020	22-Jul-2020	0	40														
224	LG.1.M.STR200	RCC work in Beams & Slab	3	23-Jul-2020	25-Jul-2020	0	40														
225	Architectural/Finishes work		63	03-Aug-2020	04-Oct-2020	0	61														
226	LG.1.M.A/F100	Sand filling under floors	4	03-Aug-2020	06-Aug-2020	0	40														
227	LG.1.M.A/F110	Solid Block 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	Public Health work		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 P.Health Utilities & drainage	11	07-Sep-2020	17-Sep-2020	0	77														
239	LG.1.M.PH120	RCC sewer pipe & manhole	5	13-Sep-2020	17-Sep-2020	0	77														
240	LG.1.M.PH130	P.Health & W.Supply testing	1	18-Sep-2020	18-Sep-2020	77	77														
241	Internal Electrification		34	28-Aug-2020	30-Sep-2020	0	40														
242	LG.1.M.EL100	Electrical Conduit & Back boxes fixing	9	28-Aug-2020	05-Sep-2020	0	40														
243	LG.1.M.EL110	Cable pulling & Connections	6	24-Sep-2020	29-Sep-2020	0	40														
244	LG.1.M.EL120	Distribution Boards & Fitouts	6	24-Sep-2020	29-Sep-2020	0	40														
245	LG.1.M.EL130	Installation of Electrical Utilities	4	26-Sep-2020	29-Sep-2020	0	40														
246	LG.1.M.EL140	Electric system testing	1	30-Sep-2020	30-Sep-2020	40	40														
247	Construction of Primary/Middle School		154	09-Jun-2020	09-Nov-2020	0	25														
248	Structural work		71	09-Jun-2020	18-Aug-2020	0	0														
249	Foundation		27	09-Jun-2020	05-Jul-2020	0	0														
250	LG.1.PS.STR100	Excavation in foundation	10	09-Jun-2020	18-Jun-2020	0	0														
251	LG.1.PS.STR110	Antitermite & Pcc work	5	16-Jun-2020	20-Jun-2020	0	0														
252	LG.1.PS.STR120	Steel fixing & Form work	9	21-Jun-2020	29-Jun-2020	0	0														
253	LG.1.PS.STR130	RCC Work	5	30-Jun-2020	04-Jul-2020	0	0														
254	LG.1.PS.STR140	Backfill	6	30-Jun-2020	05-Jul-2020	0	0														
255	GF Vertical Elements		16	06-Jul-2020	21-Jul-2020	0	0														
256	LG.1.PS.STR150	Steel fixing for columns	10	06-Jul-2020	15-Jul-2020	0	0														
257	LG.1.PS.STR160	Formwork for columns	7	12-Jul-2020	18-Jul-2020	0	0														
258	LG.1.PS.STR170	RCC work in Columns	3	19-Jul-2020	21-Jul-2020	0	0														
259	GF Horizontal Elements		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						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			
260	LG.1.PS.STR180	Formwork for Beams & Slab	14	22-Jul-2020	04-Aug-2020	0	0														
261	LG.1.PS.STR190	Steel fixing for Beams & Slab	12	05-Aug-2020	16-Aug-2020	0	0														
262	LG.1.PS.STR200	RCC work Beams & Slab	2	17-Aug-2020	18-Aug-2020	0	0														
263		Architectural/Finishes work	70	19-Aug-2020	27-Oct-2020	0	38														
264	LG.1.PS.A/F100	Sand filling under floors	4	19-Aug-2020	22-Aug-2020	0	0														
265	LG.1.PS.A/F110	Block masonry in walls	22	23-Aug-2020	13-Sep-2020	0	0														
266	LG.1.PS.A/F120	Cement sand plaster	20	24-Sep-2020	13-Oct-2020	0	0														
267	LG.1.PS.A/F130	Rough flooring	4	14-Sep-2020	17-Sep-2020	78	78														
268	LG.1.PS.A/F140	Paints work	14	14-Oct-2020	27-Oct-2020	0	38														
269	LG.1.PS.A/F150	Wooden doors & Aluminium works	9	19-Oct-2020	27-Oct-2020	0	38														
270	LG.1.PS.A/F160	Tile work on floors & walls	8	20-Oct-2020	27-Oct-2020	38	38														
271	LG.1.PS.A/F170	Main entrance Gate	2	14-Sep-2020	15-Sep-2020	80	80														
272	LG.1.PS.A/F180	Khuprail tiles on roof	6	14-Oct-2020	19-Oct-2020	46	46														
273		Public Health work	19	14-Sep-2020	02-Oct-2020	0	63														
274	LG.1.PS.PH100	Installation of WSupply fixtures & fitouts	10	14-Sep-2020	23-Sep-2020	0	63														
275	LG.1.PS.PH110	Installation of 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		Internal Electrification	57	14-Sep-2020	09-Nov-2020	0	0														
279	LG.1.PS.EL100	Electrical Conduit & Back boxes fixing	10	14-Sep-2020	23-Sep-2020	0	0														
280	LG.1.PS.EL110	Cable pulling & Connections	10	14-Oct-2020	23-Oct-2020	0	0														
281	LG.1.PS.EL120	Distribution Boards & Fitouts	9	24-Oct-2020	01-Nov-2020	0	0														
282	LG.1.PS.EL130	Installation of Electrical Utilities	7	02-Nov-2020	08-Nov-2020	0	0														
283	LG.1.PS.EL140	Electric system testing	1	09-Nov-2020	09-Nov-2020	0	0														
284		External Water Supply & Sewerage	70	09-Jun-2020	17-Aug-2020	0	84														
285		Water Supply	45	09-Jun-2020	23-Jul-2020	0	109														
286	LG.1.WS100	Laying & Jointing WSupply Pipeline	15	09-Jun-2020	23-Jun-2020	0	109														
287	LG.1.WS110	Air vent chambers & Valves	2	24-Jun-2020	25-Jun-2020	22	131														
288	LG.1.WS120	Construction of Sedimentation tank	15	19-Jun-2020	03-Jul-2020	0	109														
289	LG.1.WS130	Construction of Clear water tank	14	04-Jul-2020	17-Jul-2020	0	109														
290	LG.1.WS140	Check Valves, Sluice Valves & Chambers	14	24-Jun-2020	07-Jul-2020	10	119														
291	LG.1.WS150	Ancillary work	5	18-Jul-2020	22-Jul-2020	0	109														
292	LG.1.WS160	Water supply testing	1	23-Jul-2020	23-Jul-2020	109	109														
293		Sewerage System	55	24-Jun-2020	17-Aug-2020	0	84														
294	LG.1.SS100	Excavation for sewerage pipe line	7	24-Jun-2020	30-Jun-2020	0	84														
295	LG.1.SS110	Lowering & Laying RCC pipe	14	01-Jul-2020	14-Jul-2020	0	106														
296	LG.1.SS120	Trenches filling with crushed stones & compacted earth	14	05-Jul-2020	18-Jul-2020	25	109														
297	LG.1.SS130	Construction of sewerage treatment area	27	01-Jul-2020	27-Jul-2020	0	84														
298	LG.1.SS140	Construction of septic tank	16	28-Jul-2020	12-Aug-2020	0	84														
299	LG.1.SS150	Construction of manholes	21	01-Jul-2020	21-Jul-2020	22	106														
300	LG.1.SS160	Miscellaneous work	5	13-Aug-2020	17-Aug-2020	84	84														
301		LOGRO-02	290	26-Dec-2019	10-Oct-2020	0	55														
302		Permanent Access Road	185	26-Dec-2019	27-Jun-2020	0	87														
303		Earth and Allied Works	185	26-Dec-2019	27-Jun-2020	0	87														
304	LG.2.PAR100	Site Clearing and Removal of trees	7	26-Dec-2019	01-Jan-2020	0	30														
305	LG.2.PAR110	Excavation (Km0+000-Km0+270)	55	29-Dec-2019	21-Feb-2020	0	30														
306	LG.2.PAR120	Excavation (Km0+270-Km0+461)	45	22-Feb-2020	06-Apr-2020	0	87														
307	LG.2.PAR130	Embankment	7	21-Jun-2020	27-Jun-2020	0	87														
308		Stone masonry Retaining wall/Breast wall	75	07-Apr-2020	20-Jun-2020	0	87														
309	LG.2.RW/BW110	Stone masonry with mortar	75	07-Apr-2020	20-Jun-2020	0	87														
310		Land Development	117	22-Feb-2020	17-Jun-2020	0	63														
311	LG.2.LD100	Site Clearing & Removal of trees	5	22-Feb-2020	26-Feb-2020	0	30														

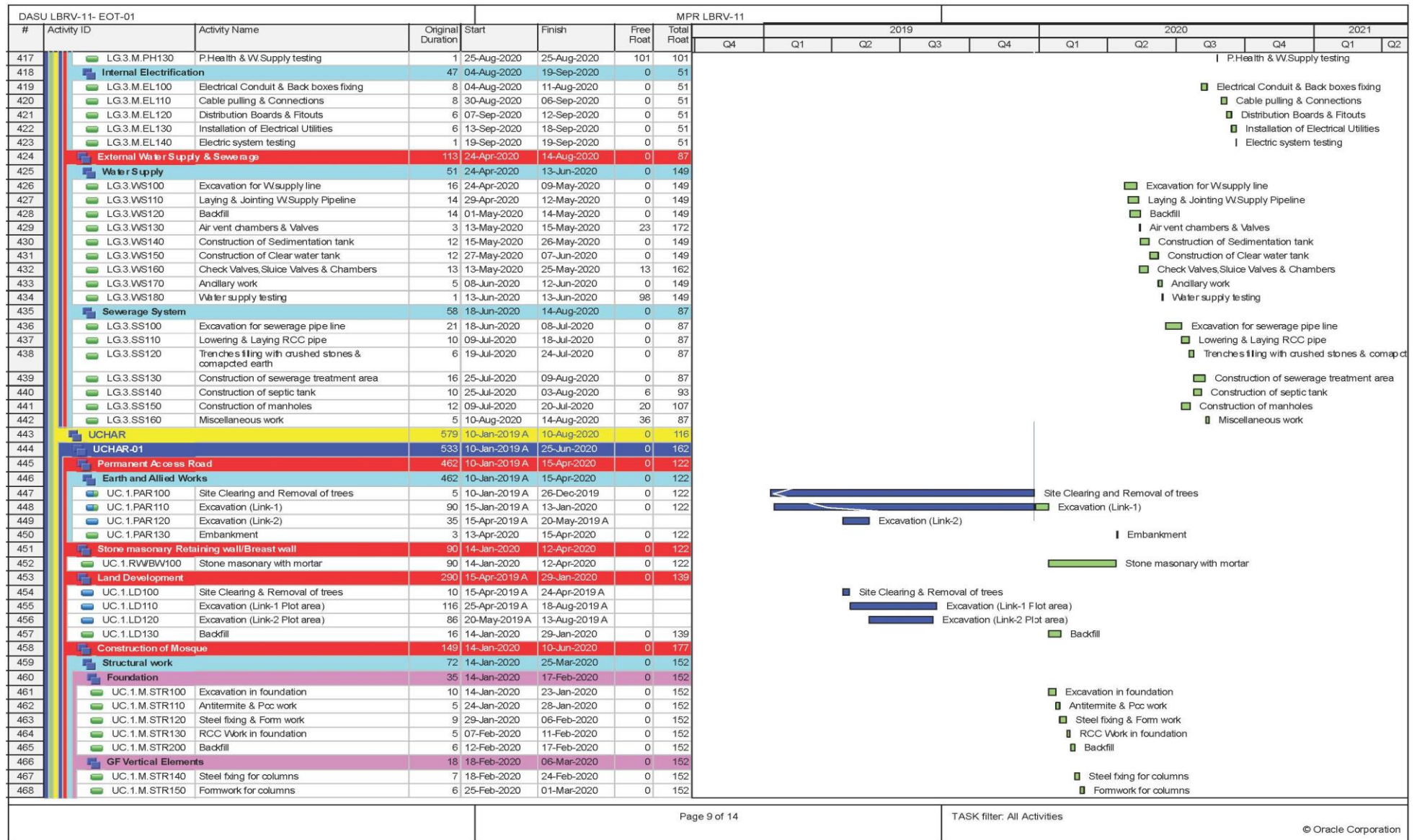
Gantt Chart of Dasu-LBRV-11 (6 of 14)

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

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

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

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



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

Figure 20 [10/14]

DASU LBRV-11- EOT-01		MPR LBRV-11																	
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	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)

Figure 20 [11/14]

DASU LBRV-11- EOT-01		MPR LBRV-11															
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021	
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
522	Public Health work		23	03-May-2020	25-May-2020	0	193										
523	UC. 1.HS.PH100	Installation of WSupply fixtures & fitouts	10	03-May-2020	12-May-2020	0	193										
524	UC. 1.HS.PH110	Installation of P.Health Utilities & drainage	8	13-May-2020	20-May-2020	0	193										
525	UC. 1.HS.PH120	RCC sewer pipe & manhole	5	16-May-2020	20-May-2020	0	193										
526	UC. 1.HS.PH130	P.Health & W.Supply testing	1	25-May-2020	25-May-2020	193	193										
527	Internal Electrification		54	03-May-2020	25-Jun-2020	0	137										
528	UC. 1.HS.EL100	Electrical Conduit & Back boxes fixing	9	03-May-2020	11-May-2020	0	137										
529	UC. 1.HS.EL110	Cable pulling & Connections	7	31-May-2020	06-Jun-2020	0	137										
530	UC. 1.HS.EL120	Distribution Boards & Fitouts	6	14-Jun-2020	19-Jun-2020	0	137										
531	UC. 1.HS.EL130	Installation of Electrical Utilities	5	20-Jun-2020	24-Jun-2020	0	137										
532	UC. 1.HS.EL140	Electric system testing	1	25-Jun-2020	25-Jun-2020	15	137										
533	Construction of Police Post		146	30-Jan-2020	23-Jun-2020	0	164										
534	UC. 1.PP.LD.100	Land development/creating slopes & lawns	15	30-Jan-2020	13-Feb-2020	0	139										
535	Structural work		86	30-Jan-2020	24-Apr-2020	0	139										
536	Foundation		17	30-Jan-2020	15-Feb-2020	0	139										
537	UC. 1.PP.STR100	Excavation in foundation	3	30-Jan-2020	01-Feb-2020	0	139										
538	UC. 1.PP.STR110	Anittemite & Pcc work	2	02-Feb-2020	03-Feb-2020	0	139										
539	UC. 1.PP.STR120	Steel fixing & Form work	6	04-Feb-2020	09-Feb-2020	0	139										
540	UC. 1.PP.STR130	RCC Work	1	10-Feb-2020	10-Feb-2020	0	139										
541	UC. 1.PP.STR140	Backfill	5	11-Feb-2020	15-Feb-2020	0	139										
542	GF Vertical Elements		13	16-Feb-2020	28-Feb-2020	0	139										
543	UC. 1.PP.STR150	Steel fixing for columns	6	16-Feb-2020	21-Feb-2020	0	139										
544	UC. 1.PP.STR160	Formwork for columns	5	22-Feb-2020	26-Feb-2020	0	139										
545	UC. 1.PP.STR170	RCC work in Columns	2	27-Feb-2020	28-Feb-2020	0	139										
546	GF Horizontal Elements		15	29-Feb-2020	14-Mar-2020	0	139										
547	UC. 1.PP.STR180	Formwork for Beams & Slab	8	29-Feb-2020	07-Mar-2020	0	139										
548	UC. 1.PP.STR190	Steel fixing for Beams & Slab	6	08-Mar-2020	13-Mar-2020	0	139										
549	UC. 1.PP.STR200	RCC work in Beams & Slab	1	14-Mar-2020	14-Mar-2020	0	139										
550	FF Vertical Elements		14	25-Mar-2020	07-Apr-2020	0	139										
551	UC. 1.PP.STR210	Steel fixing for columns	7	25-Mar-2020	31-Mar-2020	0	139										
552	UC. 1.PP.STR220	Formwork for columns	5	01-Apr-2020	05-Apr-2020	0	139										
553	UC. 1.PP.STR230	RCC work in Columns	2	06-Apr-2020	07-Apr-2020	0	139										
554	FF Horizontal Elements		17	08-Apr-2020	24-Apr-2020	0	139										
555	UC. 1.PP.STR240	Formwork for Beams & Slab	9	08-Apr-2020	16-Apr-2020	0	139										
556	UC. 1.PP.STR250	Steel fixing for Beams & Slab	7	17-Apr-2020	23-Apr-2020	0	139										
557	UC. 1.PP.STR260	RCC work in Beams & Slab	1	24-Apr-2020	24-Apr-2020	0	139										
558	Architectural/Finishes work		48	05-May-2020	21-Jun-2020	0	166										
559	UC. 1.PP.A/F100	Block masonry in walls	14	05-May-2020	18-May-2020	0	139										
560	UC. 1.PP.A/F110	Cement sand plaster	12	29-May-2020	09-Jun-2020	0	139										
561	UC. 1.PP.A/F120	Doors, windows & ventilators	8	10-Jun-2020	17-Jun-2020	170	170										
562	UC. 1.PP.A/F130	Paint work	10	10-Jun-2020	19-Jun-2020	0	166										
563	UC. 1.PP.A/F140	Tileswork on floors & walls	8	12-Jun-2020	19-Jun-2020	0	166										
564	UC. 1.PP.A/F150	Khuprail tiles on slant roof	7	10-Jun-2020	16-Jun-2020	171	171										
565	UC. 1.PP.A/F160	Miscellaneous Works	2	20-Jun-2020	21-Jun-2020	166	166										
566	Public Health work		18	19-May-2020	05-Jun-2020	0	182										
567	UC. 1.PP.PH100	Installation of WSupply fixtures & fitouts	11	19-May-2020	29-May-2020	0	182										
568	UC. 1.PP.PH110	Installation of P.Health Utilities & drainage	6	30-May-2020	04-Jun-2020	0	182										
569	UC. 1.PP.PH120	RCC sewer pipe & manhole	5	31-May-2020	04-Jun-2020	0	182										
570	UC. 1.PP.PH130	P.Health & W.Supply testing	1	05-Jun-2020	05-Jun-2020	182	182										
571	Internal Electrification		36	19-May-2020	23-Jun-2020	0	139										
572	UC. 1.PP.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 20 [12/14]

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			
575	UC.1.PP.EL.130	Installation of Electrical Utilities	5	18-Jun-2020	22-Jun-2020	0	139														
576	UC.1.PP.EL.140	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)

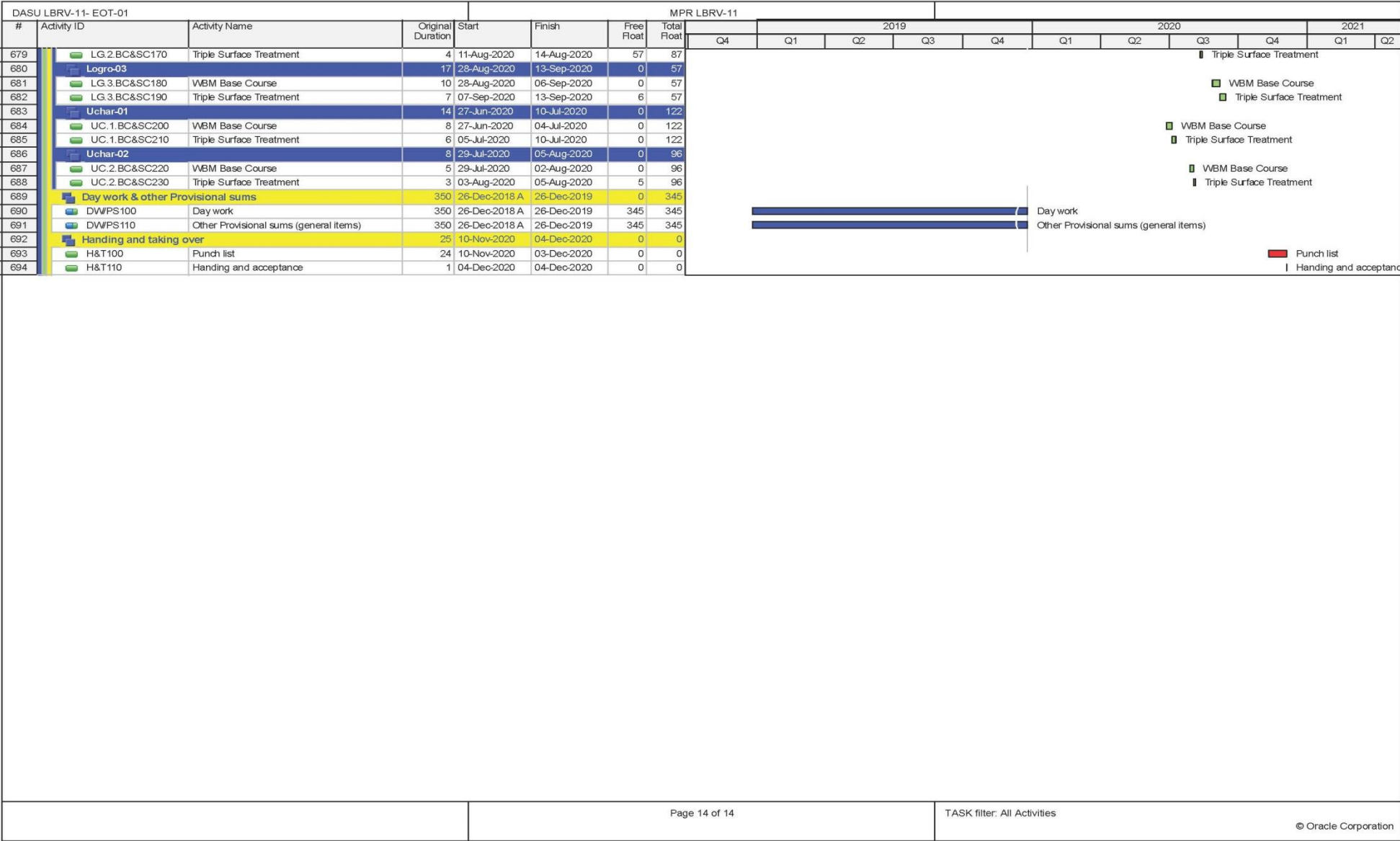
Figure 20 [13/14]

DASU LBRV-11- EOT-01							MPR LBRV-11												
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021			
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
627	UC.2.M.A/F100	Sand filling under floors	3	04-Jun-2020	06-Jun-2020	0	91												
628	UC.2.M.A/F110	Solid Block masonry in walls	21	07-Jul-2020	27-Jun-2020	0	91												
629	UC.2.M.A/F120	Cement sand plaster	18	06-Jul-2020	23-Jul-2020	0	91												
630	UC.2.M.A/F130	Paints work	14	24-Jul-2020	06-Aug-2020	0	120												
631	UC.2.M.A/F140	Wooden doors & Aluminium works	11	27-Jul-2020	06-Aug-2020	0	120												
632	UC.2.M.A/F150	Tileswork on floors & walls	9	29-Jul-2020	06-Aug-2020	120	120												
633	UC.2.M.A/F160	Roof treatment & drainage	7	24-Jul-2020	30-Jul-2020	127	127												
634	UC.2.M.A/F170	Rough flooring	5	28-Jun-2020	02-Jul-2020	155	155												
635	UC.2.M.A/F180	Courtyard Gate	1	28-Jun-2020	28-Jun-2020	159	159												
636	UC.2.M.A/F190	Khuprail tiles on roof	7	24-Jul-2020	30-Jul-2020	127	127												
637	Public Health work		27	28-Jun-2020	24-Jul-2020	0	133												
638	UC.2.M.PH100	Installation of WSupply fixtures & fitouts	11	28-Jun-2020	09-Jul-2020	0	133												
639	UC.2.M.PH110	Installation of P Health Utilities & drainage	7	09-Jul-2020	15-Jul-2020	0	133												
640	UC.2.M.PH120	RCC sewer pipe & manhole	5	11-Jul-2020	15-Jul-2020	0	133												
641	UC.2.M.PH130	P Health & W Supply testing	1	24-Jul-2020	24-Jul-2020	133	133												
642	Internal Electrification		44	28-Jun-2020	10-Aug-2020	0	91												
643	UC.2.M.EL100	Electrical Conduit & Back boxes fixing	8	28-Jun-2020	05-Jul-2020	0	91												
644	UC.2.M.EL110	Cable pulling & Connections	6	24-Jul-2020	29-Jul-2020	0	91												
645	UC.2.M.EL120	Distribution Boards & Fitouts	6	30-Jul-2020	04-Aug-2020	0	91												
646	UC.2.M.EL130	Installation of Electrical Utilities	5	05-Aug-2020	09-Aug-2020	0	91												
647	UC.2.M.EL140	Electric system testing	1	10-Aug-2020	10-Aug-2020	0	91												
648	External Water Supply & Sewerage		72	03-Apr-2020	13-Jun-2020	0	149												
649	Water Supply		62	03-Apr-2020	03-Jun-2020	0	159												
650	UC.2.WS100	Excavation for Wsupply line	16	03-Apr-2020	18-Apr-2020	0	159												
651	UC.2.WS110	Laying & Jointing WSupply Pipeline	14	19-Apr-2020	02-May-2020	0	159												
652	UC.2.WS120	Backfill	14	21-Apr-2020	04-May-2020	0	159												
653	UC.2.WS130	Air vent chambers & Valves	3	19-Apr-2020	21-Apr-2020	37	196												
654	UC.2.WS140	Check Valves, Sluice Valves & Chambers	13	19-Apr-2020	01-May-2020	27	186												
655	UC.2.WS150	Construction of Sedimentation tank	12	05-May-2020	16-May-2020	0	159												
656	UC.2.WS160	Construction of Clear water tank	12	17-May-2020	28-May-2020	0	159												
657	UC.2.WS170	Ancillary work	5	29-May-2020	02-Jun-2020	0	159												
658	UC.2.WS180	Water supply testing	1	03-Jun-2020	03-Jun-2020	68	159												
659	Sewerage System		72	03-Apr-2020	13-Jun-2020	0	149												
660	UC.2.SS100	Excavation for sewerage pipe line	21	03-Apr-2020	23-Apr-2020	0	149												
661	UC.2.SS110	Lowering & Laying RCC pipe	10	24-Apr-2020	03-May-2020	0	149												
662	UC.2.SS120	Trenches filling with crushed stones & compacted earth	6	04-May-2020	09-May-2020	0	149												
663	UC.2.SS130	Construction of sewerage treatment area	16	10-May-2020	25-May-2020	0	149												
664	UC.2.SS140	Construction of septic tank	14	26-May-2020	08-Jun-2020	0	149												
665	UC.2.SS150	Construction of manholes	8	04-May-2020	11-May-2020	28	177												
666	UC.2.SS160	Miscellaneous work	5	09-Jun-2020	13-Jun-2020	58	149												
667	Base Course & Surface Course		96	14-Jun-2020	17-Sep-2020	0	53												
668	Khoshe-01		20	14-Jun-2020	03-Jul-2020	0	129												
669	KH.1.BC&SC100	WBM Base Course	12	14-Jun-2020	25-Jun-2020	0	129												
670	KH.1.BC&SC110	Triple Surface Treatment	8	26-Jun-2020	03-Jul-2020	72	129												
671	Khoshe-02		13	11-Jul-2020	23-Jul-2020	0	109												
672	KH.2.BC&SC120	WBM Base Course	8	11-Jul-2020	18-Jul-2020	0	109												
673	KH.2.BC&SC130	Triple Surface Treatment	5	19-Jul-2020	23-Jul-2020	0	109												
674	Logro-1		15	03-Sep-2020	17-Sep-2020	0	53												
675	LG.1.BC&SC140	WBM Base Course	9	03-Sep-2020	11-Sep-2020	0	53												
676	LG.1.BC&SC150	Triple Surface Treatment	6	12-Sep-2020	17-Sep-2020	53	53												
677	Logro-02		11	04-Aug-2020	14-Aug-2020	0	87												
678	LG.2.BC&SC160	WBM Base Course	7	04-Aug-2020	10-Aug-2020	0	87												

- Sand filling under floors
- Solid Block masonry in walls
- Cement sand plaster
- Paints work
- Wooden doors & Aluminium works
- Tileswork on floors & walls
- Roof treatment & drainage
- Rough flooring
- Courtyard Gate
- Khuprail tiles on roof
- Installation of WSupply fixtures & fitouts
- Installation of P Health Utilities & drainage
- RCC sewer pipe & manhole
- P Health & W Supply testing
- Electrical Conduit & Back boxes fixing
- Cable pulling & Connections
- Distribution Boards & Fitouts
- Installation of Electrical Utilities
- Electric system testing
- Excavation for Wsupply line
- Laying & Jointing WSupply Pipeline
- Backfill
- Air vent chambers & Valves
- Check Valves, Sluice Valves & Chambers
- Construction of Sedimentation tank
- Construction of Clear water tank
- Ancillary work
- Water supply testing
- Excavation for sewerage pipe line
- Lowering & Laying RCC pipe
- Trenches filling with crushed stones & compacted earth
- Construction of sewerage treatment area
- Construction of septic tank
- Construction of manholes
- Miscellaneous work
- WBM Base Course
- Triple Surface Treatment
- WBM Base Course
- Triple Surface Treatment
- WBM Base Course
- Triple Surface Treatment
- WBM Base Course

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

Figure 20 [14/14]



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

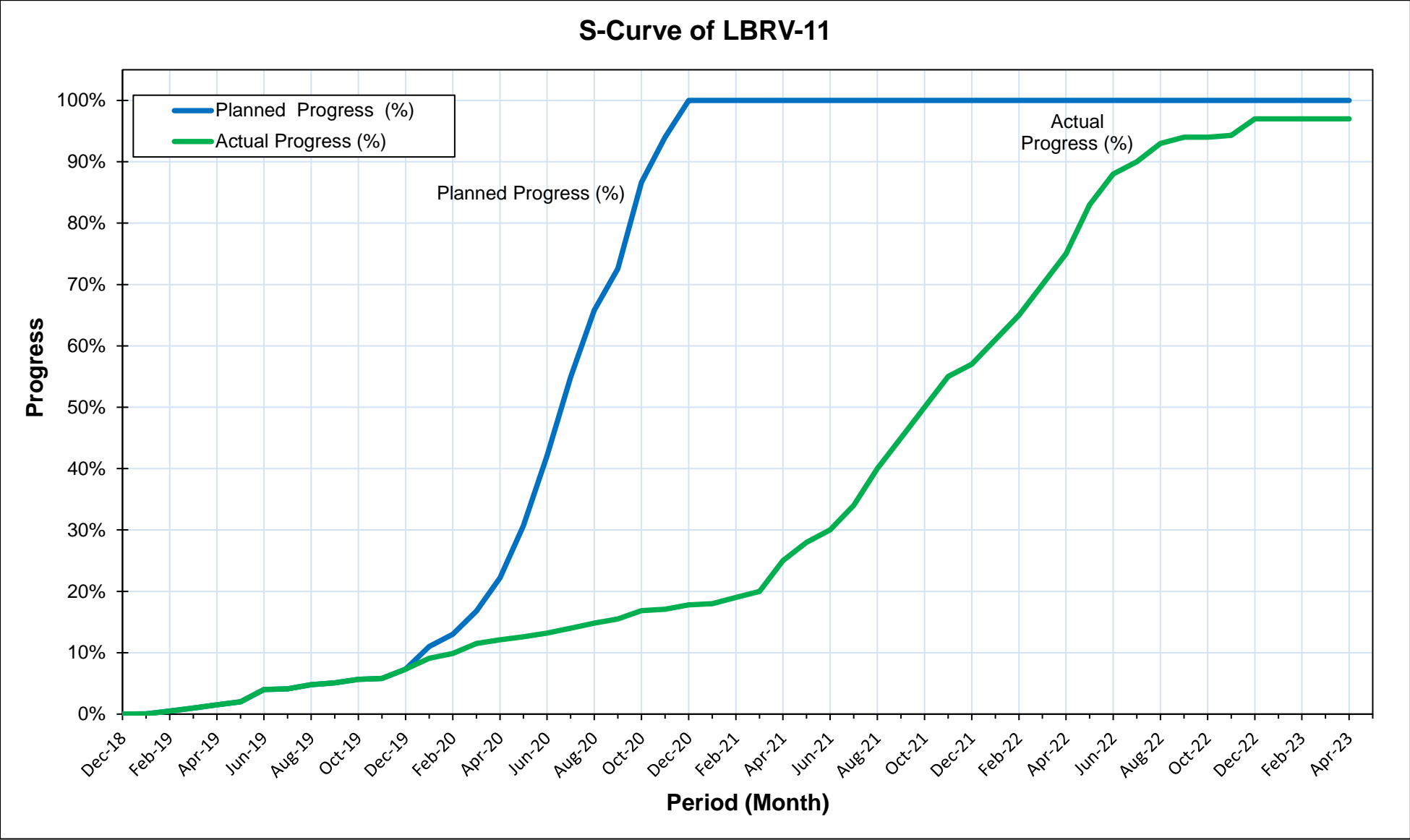


Figure 21: S-Curve for LBRV-11

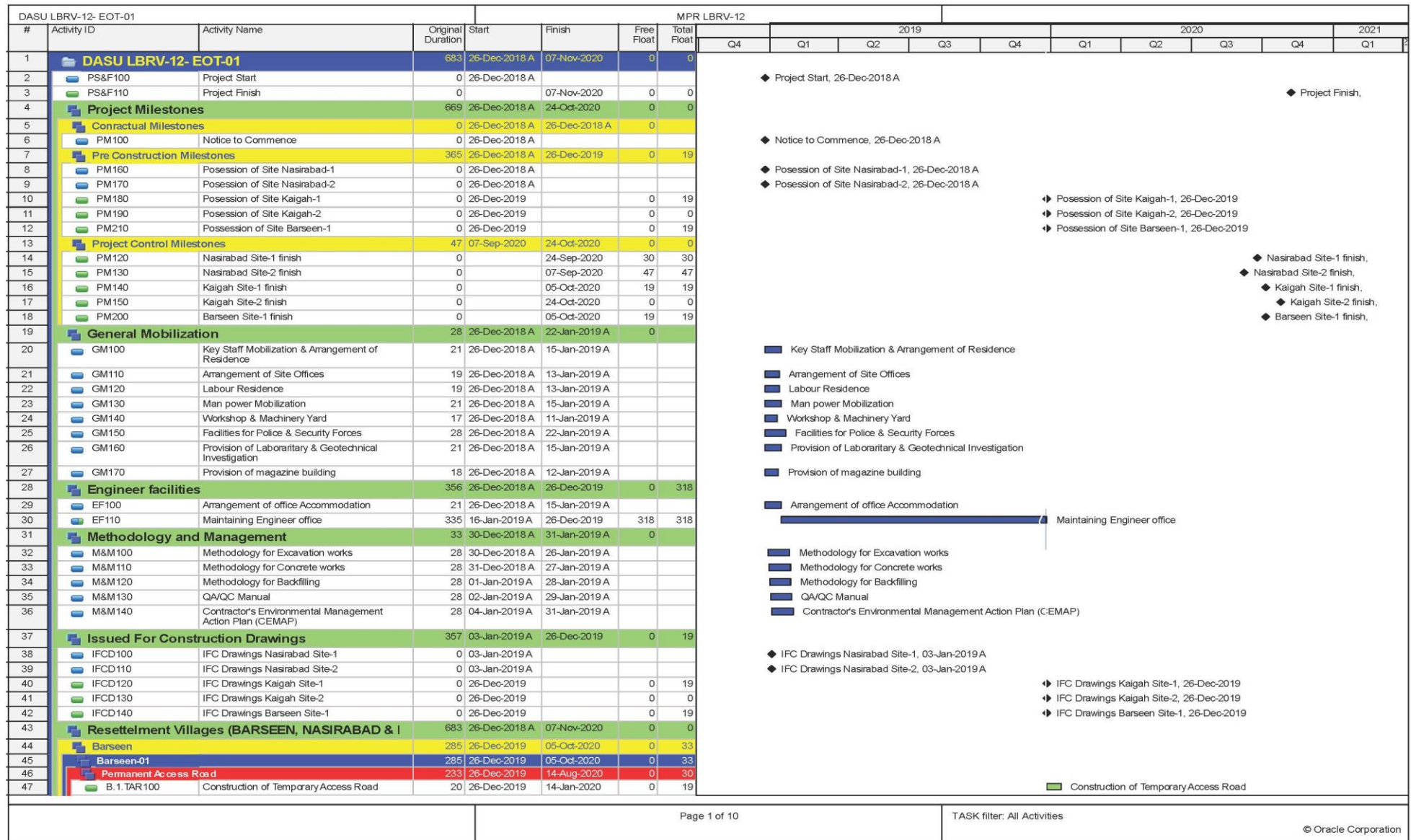
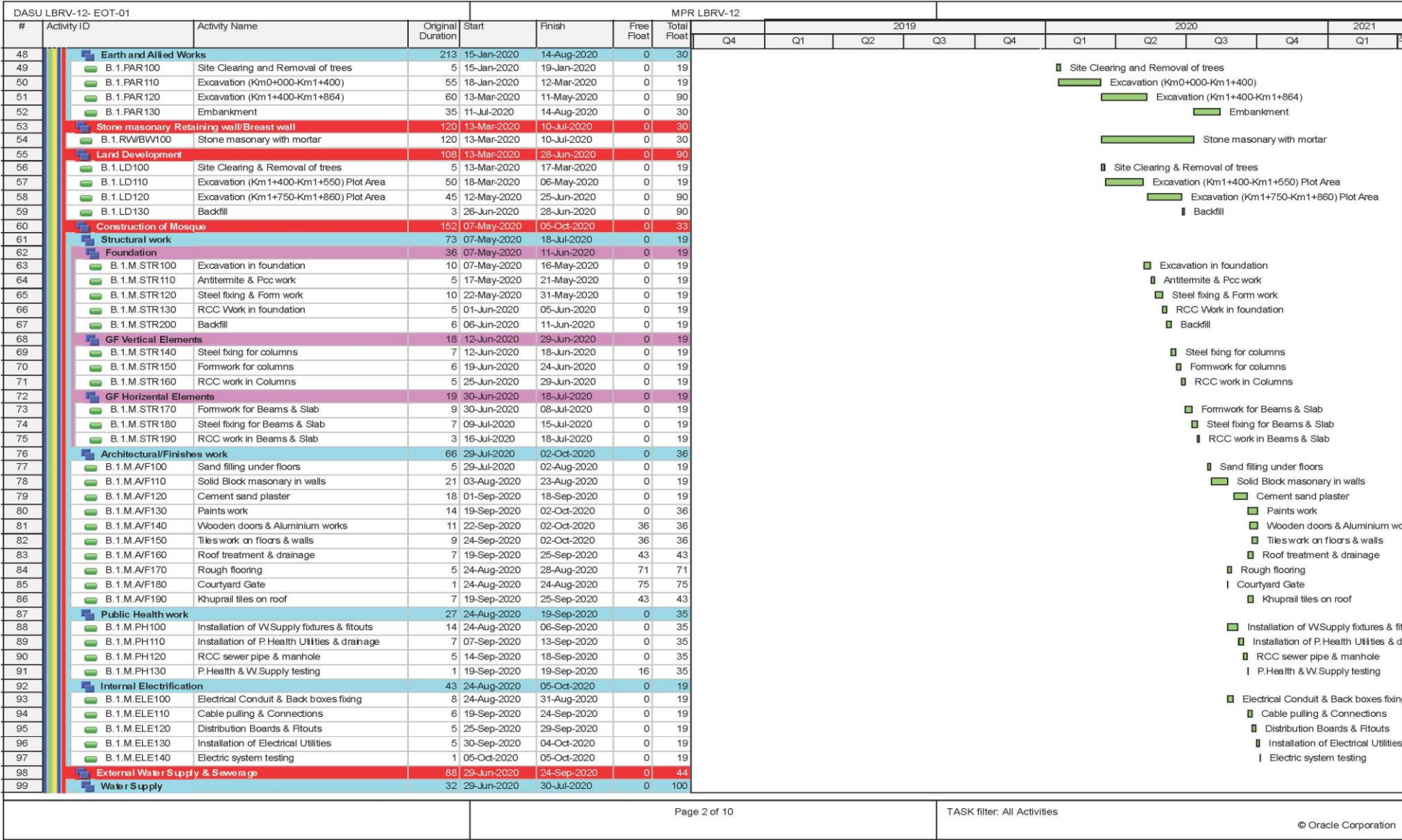


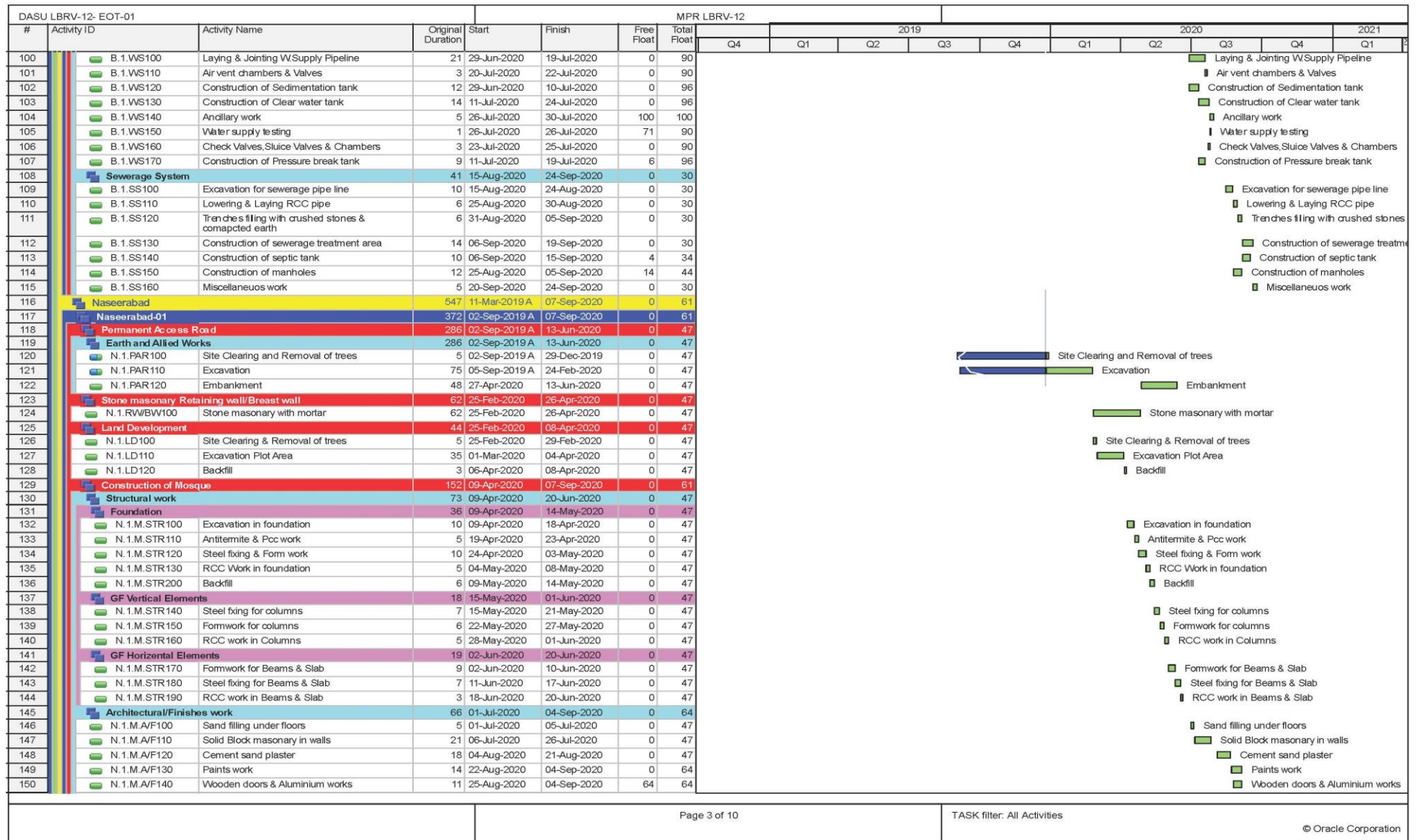
Figure 22: Gantt Chart of Dasu-LBRV-12 (1 of 10)

Dasu Hydropower Project
 Monthly Progress Report No. 105 (April 2023)

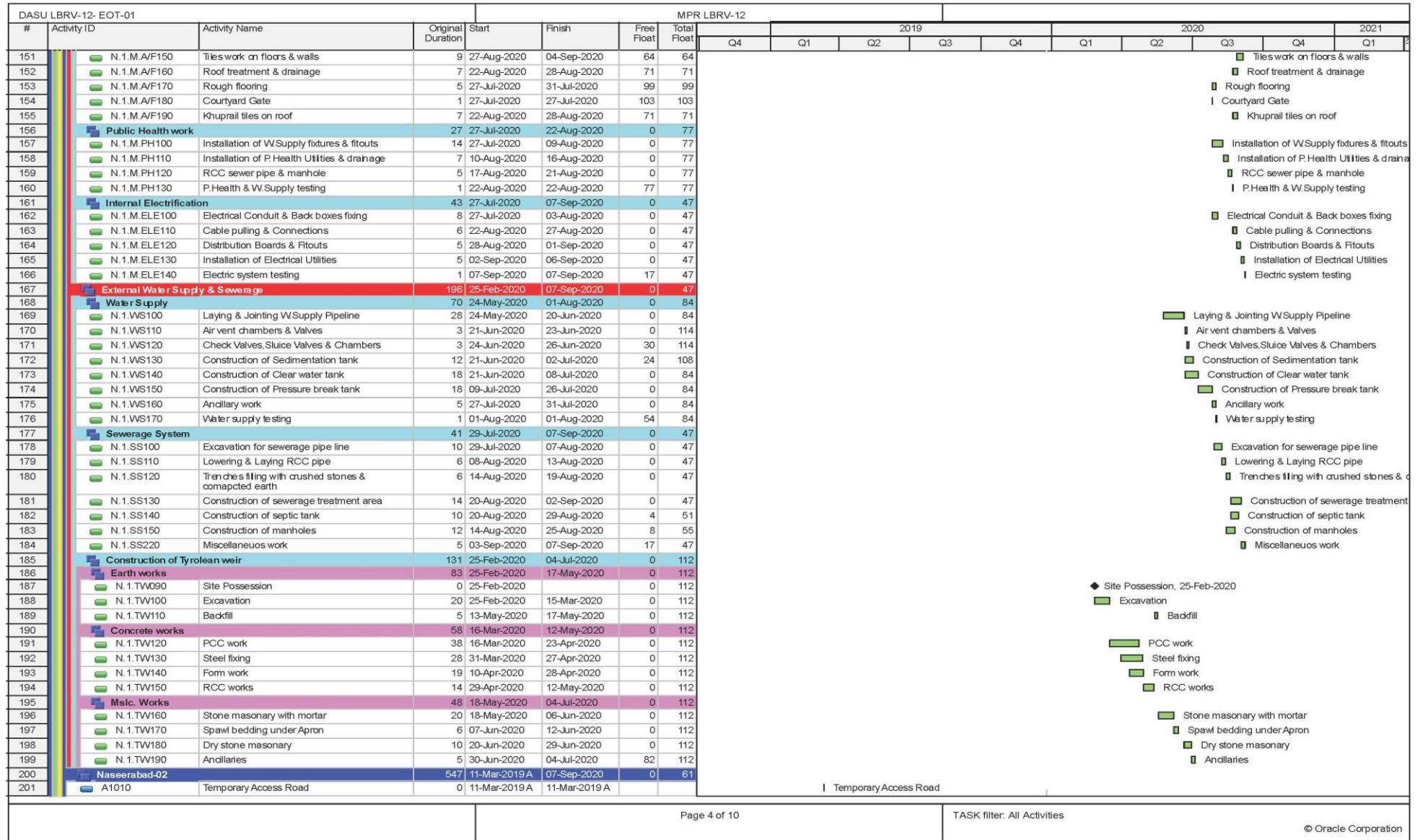
Figure 22 [2/10]



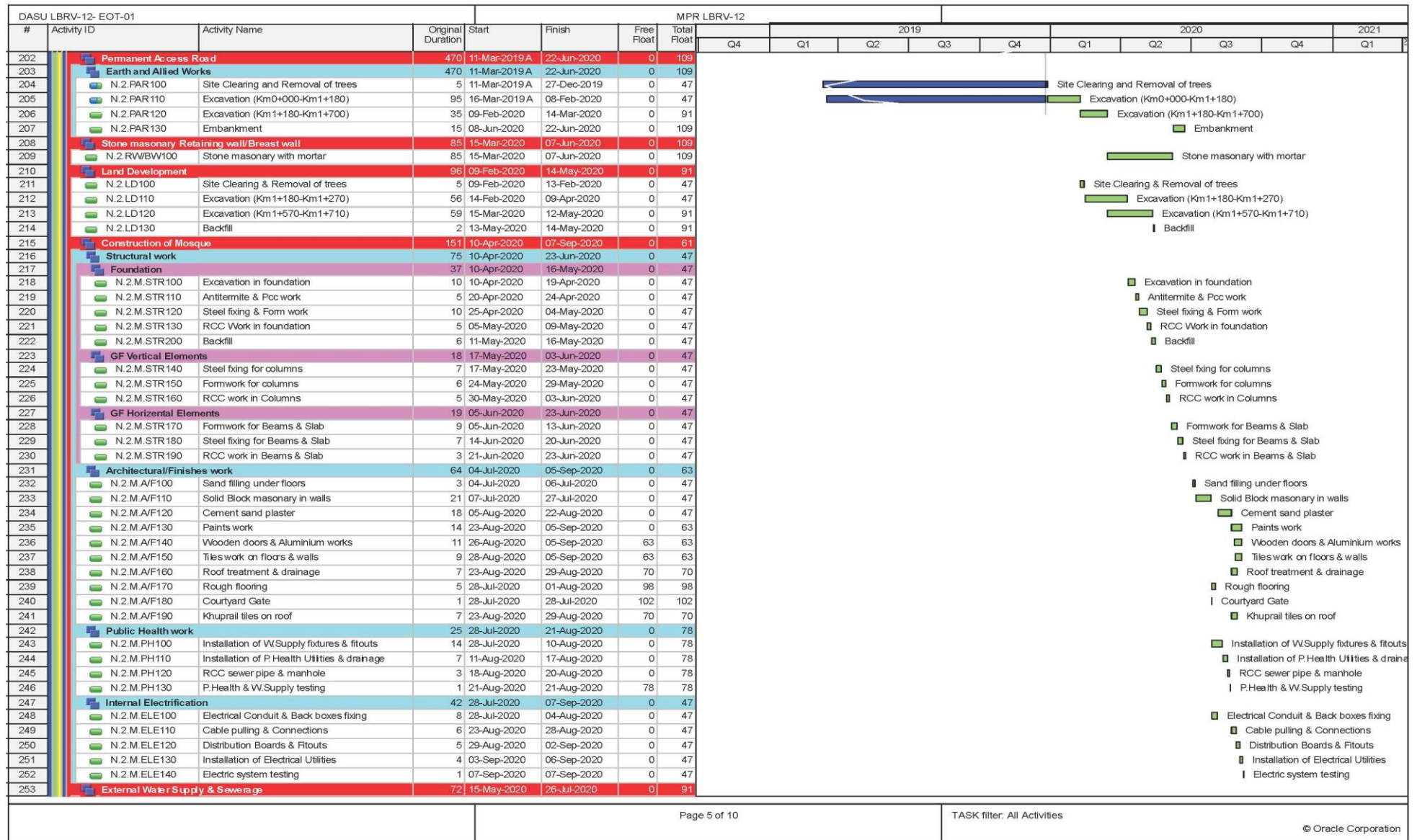
Gantt Chart of Dasu-LBRV-12 (2 of 10)



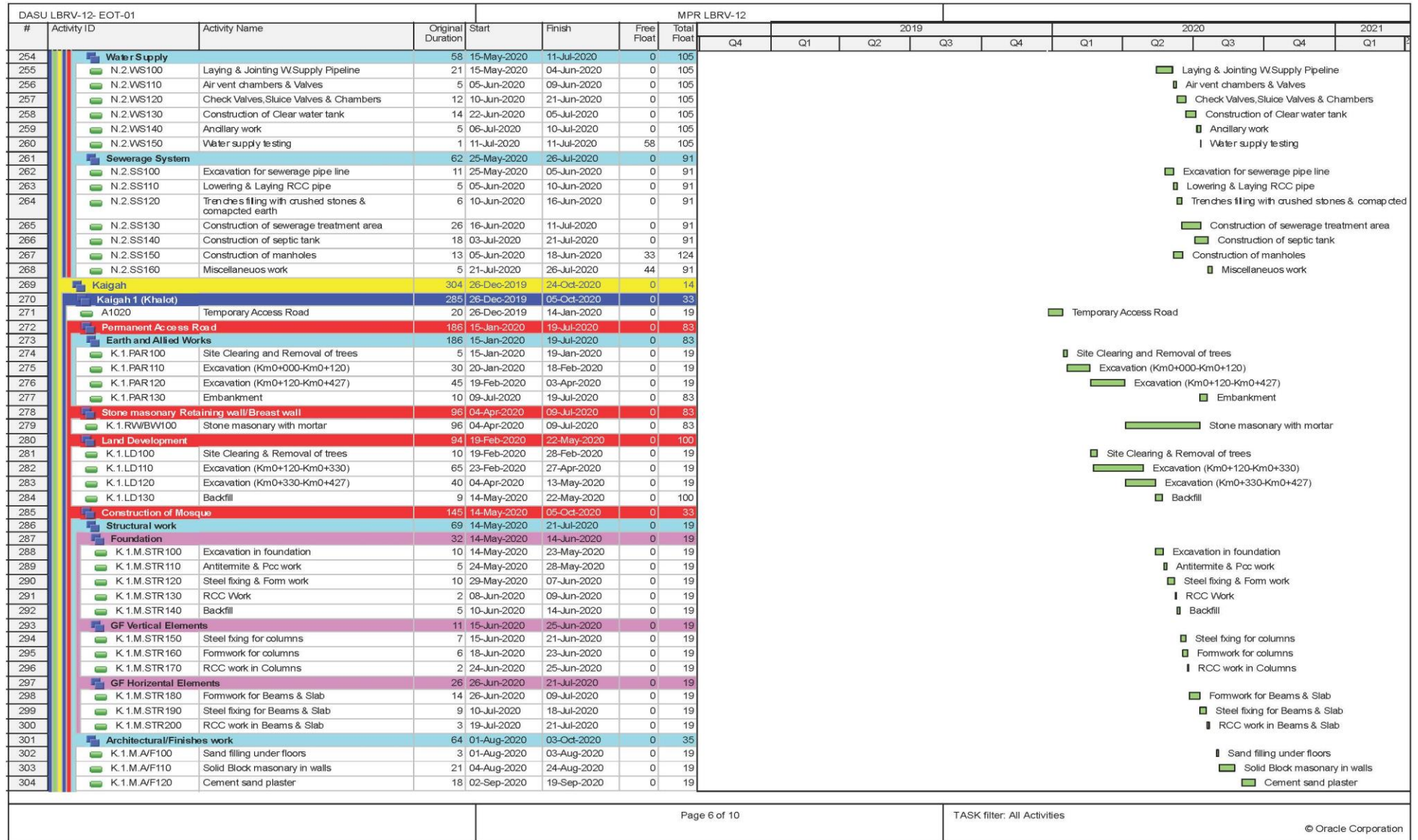
Gantt Chart of Dasu-LBRV-12 (3 of 10)



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



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



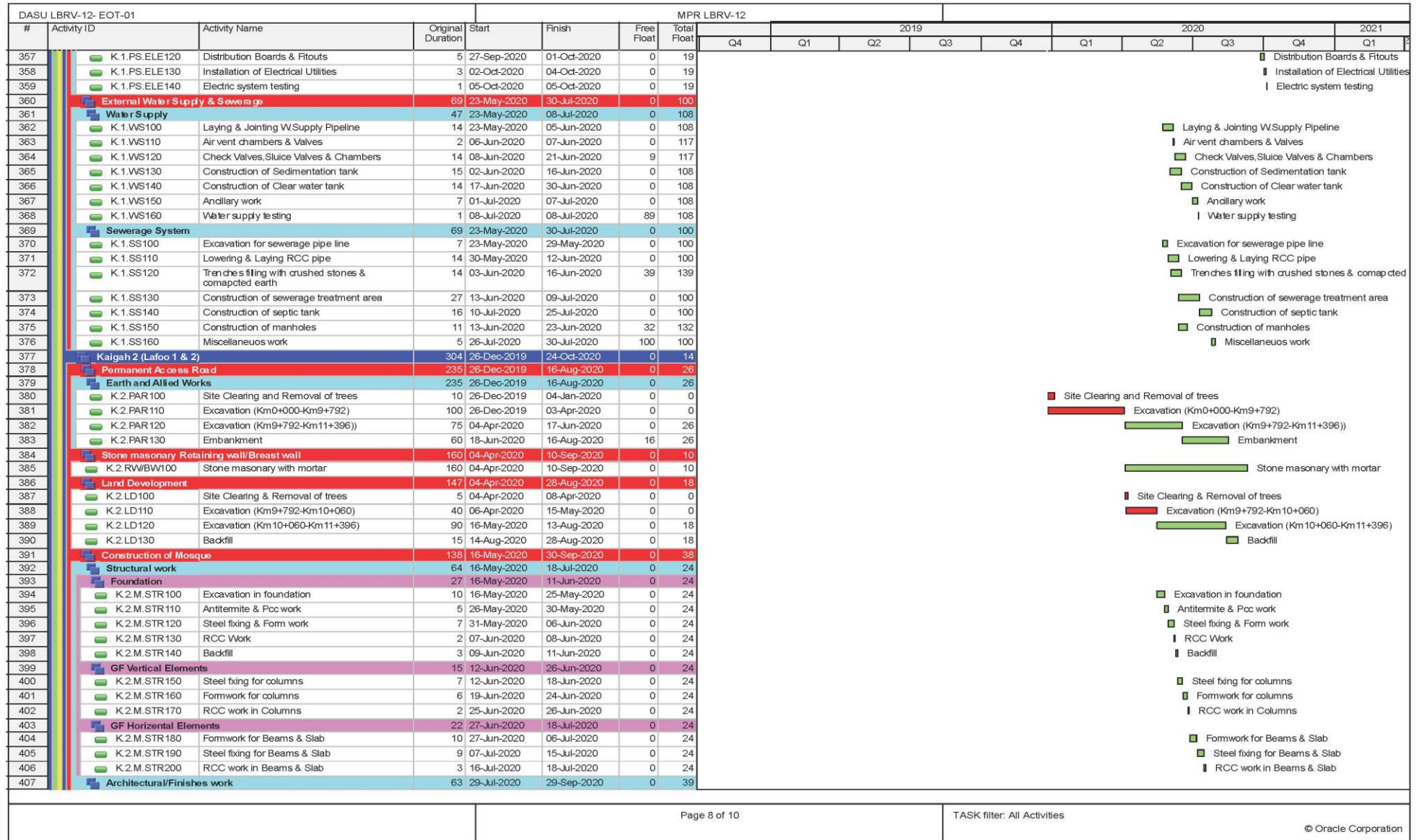
Gantt Chart of Dasu-LBRV-12 (6 of 10)

Figure 22 [7/10]

DASU LBRV-12- EOT-01				MPR LBRV-12														
#	Activity ID	Activity Name	Original Duration	Start	Finish	Free Float	Total Float	2019				2020				2021		
								Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
305	K.1.M.A/F130	Paints work	14	20-Sep-2020	03-Oct-2020	0	35											Paints work
306	K.1.M.A/F140	Wooden doors & Aluminium works	9	25-Sep-2020	03-Oct-2020	0	35											Wooden doors & Aluminium works
307	K.1.M.A/F150	Tiles work on floors & walls	11	23-Sep-2020	03-Oct-2020	35	35											Tiles work on floors & walls
308	K.1.M.A/F160	Roof treatment & drainage	5	20-Sep-2020	24-Sep-2020	44	44											Roof treatment & drainage
309	K.1.M.A/F170	Rough flooring	5	25-Aug-2020	29-Aug-2020	70	70											Rough flooring
310	K.1.M.A/F180	Courtyard Gate	1	25-Aug-2020	25-Aug-2020	74	74											Courtyard Gate
311	K.1.M.A/F190	Khuprai tiles on roof	5	20-Sep-2020	24-Sep-2020	44	44											Khuprai tiles on roof
312	Public Health work			22	25-Aug-2020	15-Sep-2020	0											
313	K.1.M.PH100	Installation of W.Supply fixtures & fitouts	10	25-Aug-2020	03-Sep-2020	0	53											Installation of W.Supply fixtures & fitouts
314	K.1.M.PH110	Installation of P.Health Utilities & drainage	8	04-Sep-2020	11-Sep-2020	0	53											Installation of P.Health Utilities & drainage
315	K.1.M.PH120	RCC sewer pipe & manhole	3	12-Sep-2020	14-Sep-2020	0	53											RCC sewer pipe & manhole
316	K.1.M.PH130	P.Health & W.Supply testing	1	15-Sep-2020	15-Sep-2020	53	53											P.Health & W.Supply testing
317	Internal Electrification			42	25-Aug-2020	05-Oct-2020	0											
318	K.1.M.ELE100	Electrical Conduit & Back boxes fixing	8	25-Aug-2020	01-Sep-2020	0	19											Electrical Conduit & Back boxes fixing
319	K.1.M.ELE110	Cable pulling & Connections	5	20-Sep-2020	24-Sep-2020	0	19											Cable pulling & Connections
320	K.1.M.ELE120	Distribution Boards & Fitouts	6	25-Sep-2020	30-Sep-2020	0	19											Distribution Boards & Fitouts
321	K.1.M.ELE130	Installation of Electrical Utilities	4	01-Oct-2020	04-Oct-2020	0	19											Installation of Electrical Utilities
322	K.1.M.ELE140	Electric system testing	1	05-Oct-2020	05-Oct-2020	0	19											Electric system testing
323	Construction of Primary/Middle School			161	28-Apr-2020	05-Oct-2020	0											
324	Structural work			86	28-Apr-2020	22-Jul-2020	0											
325	Foundation			34	28-Apr-2020	31-May-2020	0											
326	K.1.PS.STR100	Excavation in foundation	10	28-Apr-2020	07-May-2020	0	19											Excavation in foundation
327	K.1.PS.STR110	Antitermite & Pcc work	6	08-May-2020	13-May-2020	0	19											Antitermite & Pcc work
328	K.1.PS.STR120	Steel fixing & Form work	9	14-May-2020	22-May-2020	0	19											Steel fixing & Form work
329	K.1.PS.STR130	RCC Work	3	23-May-2020	25-May-2020	0	19											RCC Work
330	K.1.PS.STR140	Backfill	6	26-May-2020	31-May-2020	0	19											Backfill
331	GF Vertical Elements			20	01-Jun-2020	20-Jun-2020	0											
332	K.1.PS.STR150	Steel fixing for columns	10	01-Jun-2020	10-Jun-2020	0	19											Steel fixing for columns
333	K.1.PS.STR160	Formwork for columns	7	11-Jun-2020	17-Jun-2020	0	19											Formwork for columns
334	K.1.PS.STR170	RCC work in Columns	3	18-Jun-2020	20-Jun-2020	0	19											RCC work in Columns
335	GF Horizontal Elements			32	21-Jun-2020	22-Jul-2020	0											
336	K.1.PS.STR180	Formwork for Beams & Slab	16	21-Jun-2020	06-Jul-2020	0	19											Formwork for Beams & Slab
337	K.1.PS.STR190	Steel fixing for Beams & Slab	14	07-Jul-2020	20-Jul-2020	0	19											Steel fixing for Beams & Slab
338	K.1.PS.STR200	RCC work Beams & Slab	2	21-Jul-2020	22-Jul-2020	0	19											RCC work Beams & Slab
339	Architectural/Finishes work			65	02-Aug-2020	05-Oct-2020	0											
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	Khuprai tiles on roof	7	22-Sep-2020	28-Sep-2020	40	40											Khuprai tiles on roof
349	Public Health work			17	26-Aug-2020	11-Sep-2020	0											
350	K.1.PS.PH100	Installation of W.Supply fixtures & fitouts	7	26-Aug-2020	01-Sep-2020	0	57											Installation of W.Supply fixtures & fitouts
351	K.1.PS.PH110	Installation of P.Health Utilities & drainage	5	02-Sep-2020	06-Sep-2020	0	57											Installation of P.Health Utilities & drainage
352	K.1.PS.PH120	RCC sewer pipe & manhole	4	07-Sep-2020	10-Sep-2020	0	57											RCC sewer pipe & manhole
353	K.1.PS.PH130	P.Health & W.Supply testing	1	11-Sep-2020	11-Sep-2020	57	57											P.Health & W.Supply testing
354	Internal Electrification			41	26-Aug-2020	05-Oct-2020	0											
355	K.1.PS.ELE100	Electrical Conduit & Back boxes fixing	9	26-Aug-2020	03-Sep-2020	0	19											Electrical Conduit & Back boxes fixing
356	K.1.PS.ELE110	Cable pulling & Connections	5	22-Sep-2020	26-Sep-2020	0	19											Cable pulling & Connections

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

Figure 22 [8/10]

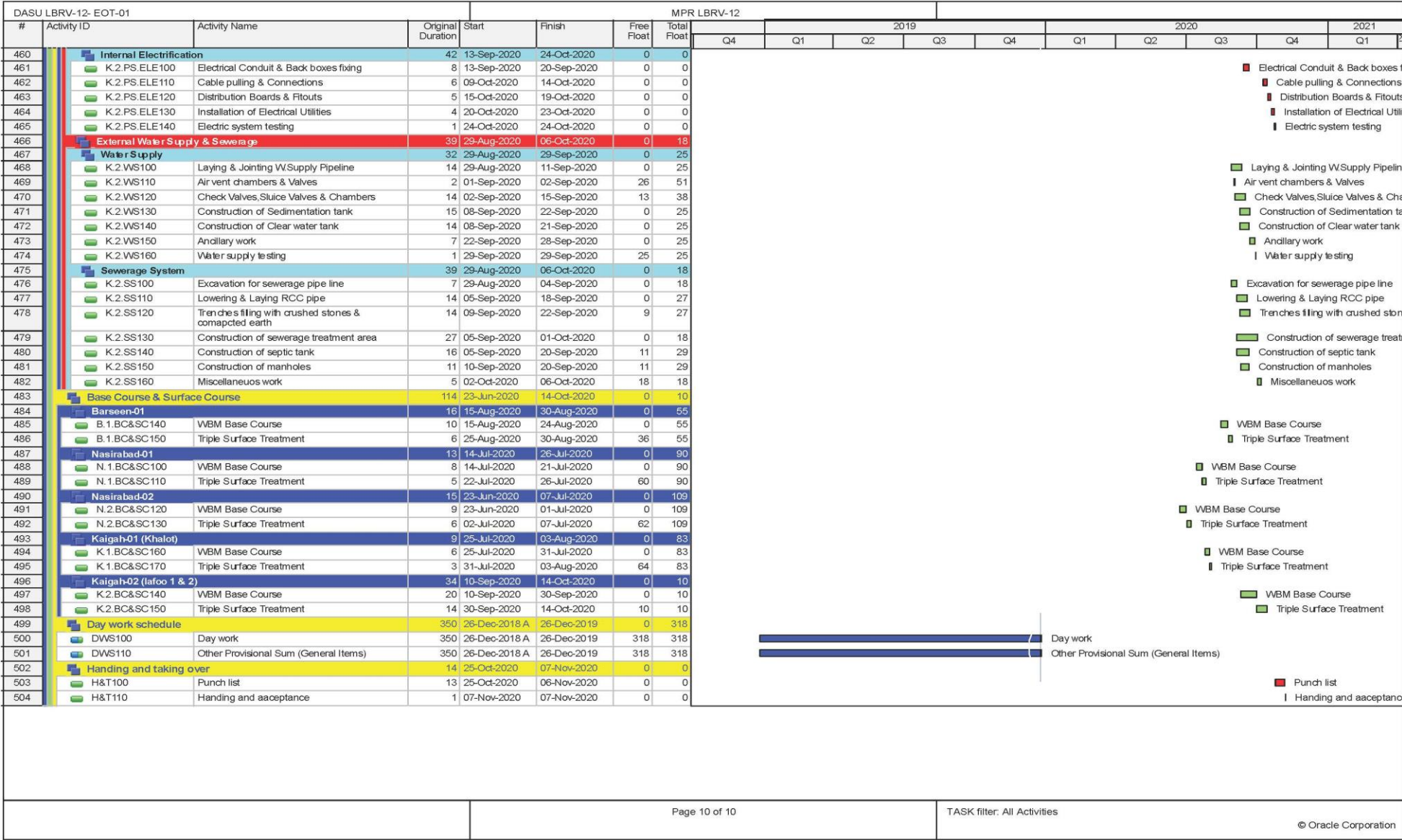


Gantt Chart of Dasu-LBRV-12 (8 of 10)

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	
408	K.2.M.A/F100	Sand filling under floors	3	29-Jul-2020	31-Jul-2020	0	24											
409	K.2.M.A/F110	Solid Block masonry in walls	21	01-Aug-2020	21-Aug-2020	0	24											
410	K.2.M.A/F120	Cement sand plaster	18	29-Aug-2020	15-Sep-2020	0	24											
411	K.2.M.A/F130	Paints work	14	16-Sep-2020	29-Sep-2020	0	39											
412	K.2.M.A/F140	Wooden doors & Aluminium works	9	21-Sep-2020	29-Sep-2020	0	39											
413	K.2.M.A/F150	Tiles work on floors & walls	10	20-Sep-2020	29-Sep-2020	39	39											
414	K.2.M.A/F160	Roof treatment & drainage	5	16-Sep-2020	20-Sep-2020	48	48											
415	K.2.M.A/F170	Rough flooring	4	22-Aug-2020	25-Aug-2020	74	74											
416	K.2.M.A/F180	Courtyard Gate	1	22-Aug-2020	22-Aug-2020	77	77											
417	K.2.M.A/F190	Khuprail tiles on roof	5	16-Sep-2020	20-Sep-2020	48	48											
418	Public Health work		20	22-Aug-2020	10-Sep-2020	0	58											
419	K.2.M.PH100	Installation of W.Supply fixtures & fitouts	8	22-Aug-2020	29-Aug-2020	0	58											
420	K.2.M.PH110	Installation of P Health Utilities & drainage	8	30-Aug-2020	06-Sep-2020	0	58											
421	K.2.M.PH120	RCC sewer pipe & manhole	3	07-Sep-2020	09-Sep-2020	0	58											
422	K.2.M.PH130	P Health & W.Supply testing	1	10-Sep-2020	10-Sep-2020	58	58											
423	Internal Electrification		40	22-Aug-2020	30-Sep-2020	0	24											
424	K.2.M.ELE100	Electrical Conduit & Back boxes fixing	7	22-Aug-2020	28-Aug-2020	0	24											
425	K.2.M.ELE110	Cable pulling & Connections	5	16-Sep-2020	20-Sep-2020	0	24											
426	K.2.M.ELE120	Distribution Boards & Fitouts	5	21-Sep-2020	25-Sep-2020	0	24											
427	K.2.M.ELE130	Installation of Electrical Utilities	4	26-Sep-2020	29-Sep-2020	0	24											
428	K.2.M.ELE140	Electric system testing	1	30-Sep-2020	30-Sep-2020	24	24											
429	Construction of Primary/Middle School		162	16-May-2020	24-Oct-2020	0	14											
430	Structural work		86	16-May-2020	09-Aug-2020	0	0											
431	Foundation		34	16-May-2020	18-Jun-2020	0	0											
432	K.2.PS.STR100	Excavation in foundation	10	16-May-2020	25-May-2020	0	0											
433	K.2.PS.STR110	Antitermite & Pcc work	6	26-May-2020	31-May-2020	0	0											
434	K.2.PS.STR120	Steel fixing & Form work	9	01-Jun-2020	09-Jun-2020	0	0											
435	K.2.PS.STR130	RCC Work	3	10-Jun-2020	12-Jun-2020	0	0											
436	K.2.PS.STR140	Backfill	6	13-Jun-2020	18-Jun-2020	0	0											
437	GF Vertical Elements		20	19-Jun-2020	08-Jul-2020	0	0											
438	K.2.PS.STR150	Steel fixing for columns	10	19-Jun-2020	28-Jun-2020	0	0											
439	K.2.PS.STR160	Formwork for columns	7	29-Jun-2020	05-Jul-2020	0	0											
440	K.2.PS.STR170	RCC work in Columns	3	06-Jul-2020	08-Jul-2020	0	0											
441	GF Horizontal Elements		32	09-Jul-2020	09-Aug-2020	0	0											
442	K.2.PS.STR180	Formwork for Beams & Slab	16	09-Jul-2020	24-Jul-2020	0	0											
443	K.2.PS.STR190	Steel fixing for Beams & Slab	14	25-Jul-2020	07-Aug-2020	0	0											
444	K.2.PS.STR200	RCC work Beams & Slab	2	08-Aug-2020	09-Aug-2020	0	0											
445	Architectural/Finishes work		64	20-Aug-2020	22-Oct-2020	0	16											
446	K.2.PS.A/F100	Sand filling under floors	3	20-Aug-2020	22-Aug-2020	0	0											
447	K.2.PS.A/F110	Block masonry in walls	21	23-Aug-2020	12-Sep-2020	0	0											
448	K.2.PS.A/F120	Cement sand plaster	18	21-Sep-2020	08-Oct-2020	0	0											
449	K.2.PS.A/F130	Paints work	14	09-Oct-2020	22-Oct-2020	0	16											
450	K.2.PS.A/F140	Wooden doors & Aluminium works	10	13-Oct-2020	22-Oct-2020	0	16											
451	K.2.PS.A/F150	Tiles work on floors & walls	9	14-Oct-2020	22-Oct-2020	16	16											
452	K.2.PS.A/F160	Rough flooring	4	13-Sep-2020	16-Sep-2020	52	52											
453	K.2.PS.A/F170	Main entrance Gate	2	13-Sep-2020	14-Sep-2020	54	54											
454	K.2.PS.A/F180	Khuprail tiles on roof	3	09-Oct-2020	11-Oct-2020	27	27											
455	Public Health work		19	13-Sep-2020	01-Oct-2020	0	37											
456	K.2.PS.PH100	Installation of W.Supply fixtures & fitouts	8	13-Sep-2020	20-Sep-2020	0	37											
457	K.2.PS.PH110	Installation of P Health Utilities & drainage	6	21-Sep-2020	26-Sep-2020	0	37											
458	K.2.PS.PH120	RCC sewer pipe & manhole	4	27-Sep-2020	30-Sep-2020	0	37											
459	K.2.PS.PH130	P Health & W.Supply testing	1	01-Oct-2020	01-Oct-2020	37	37											

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

Figure 22 [10/10]



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

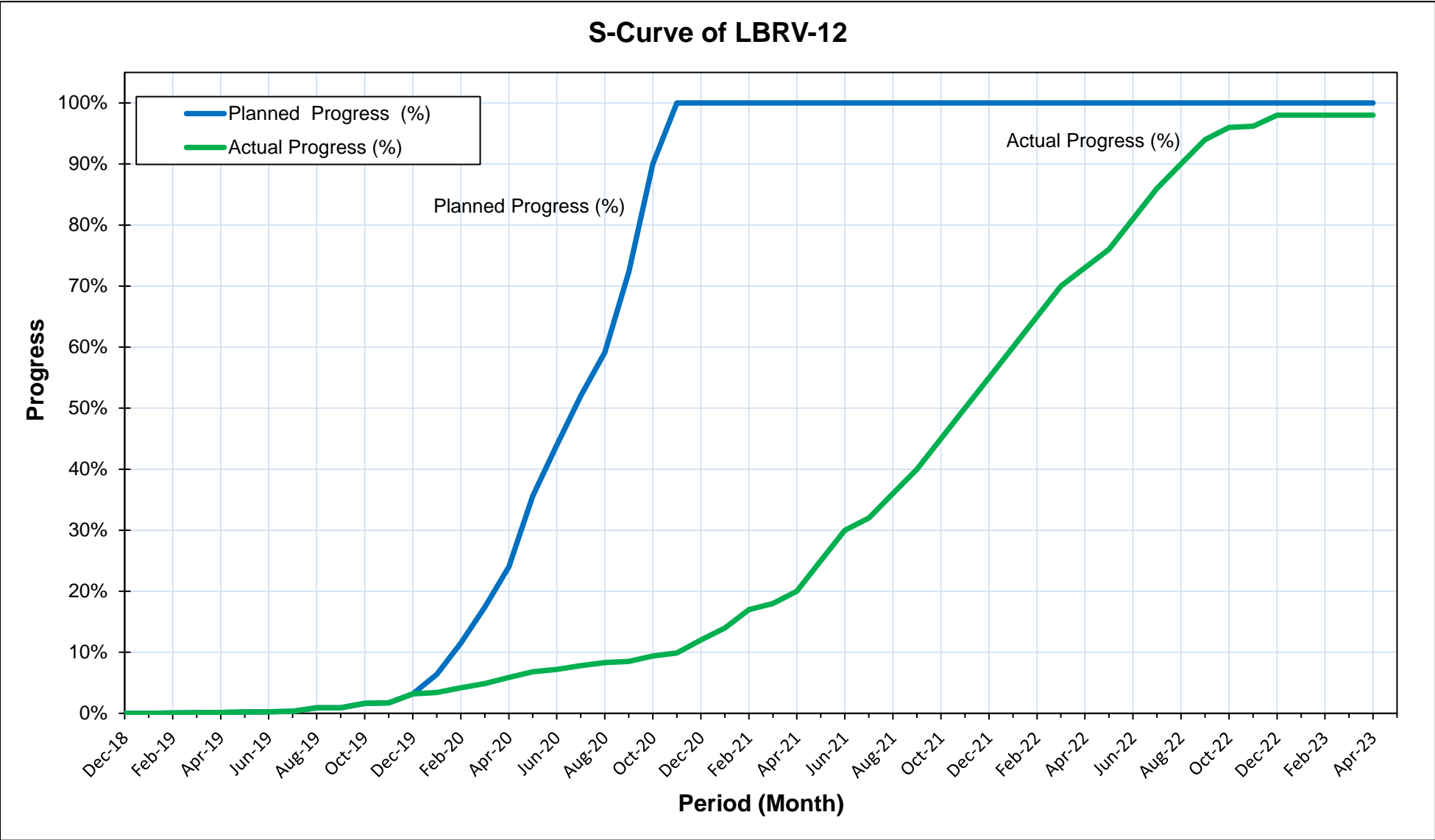


Figure 23: S-Curve for LBRV-12

Figure 24 [1/2]

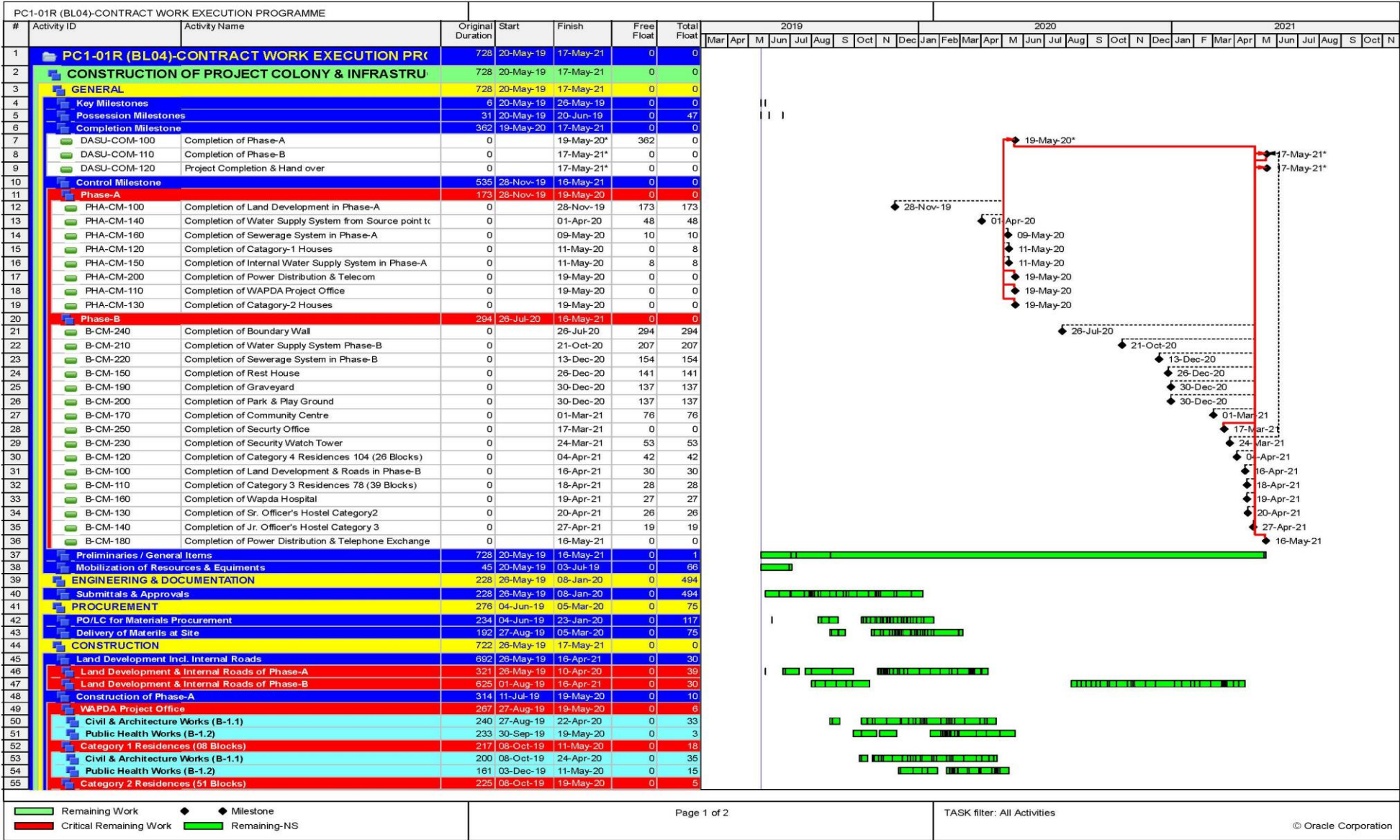


Figure 24: Gantt Chart of Dasu-PCI-01R (1 of 2)

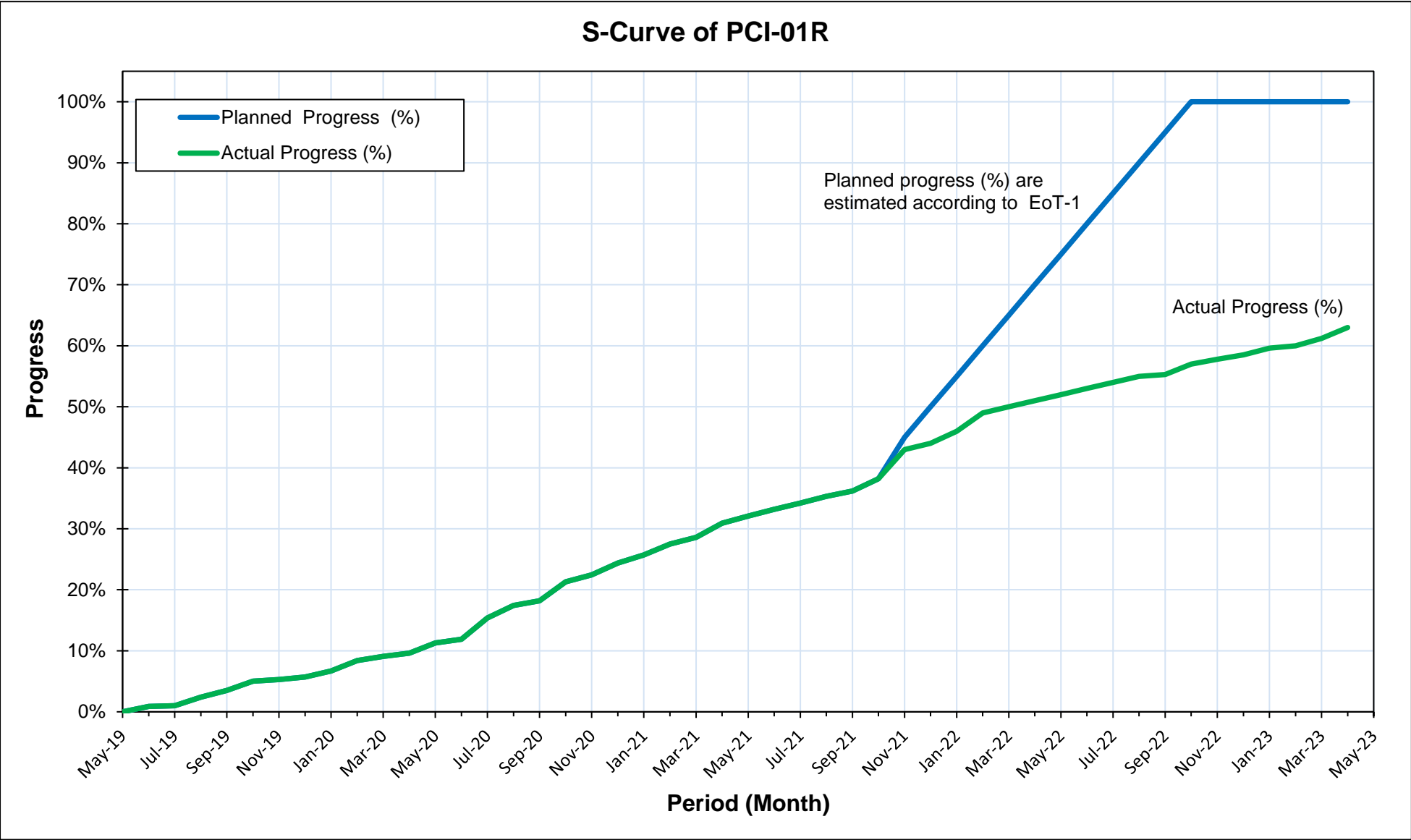


Figure 25: S-Curve for PCI-01R

Figure 26 [1/5]

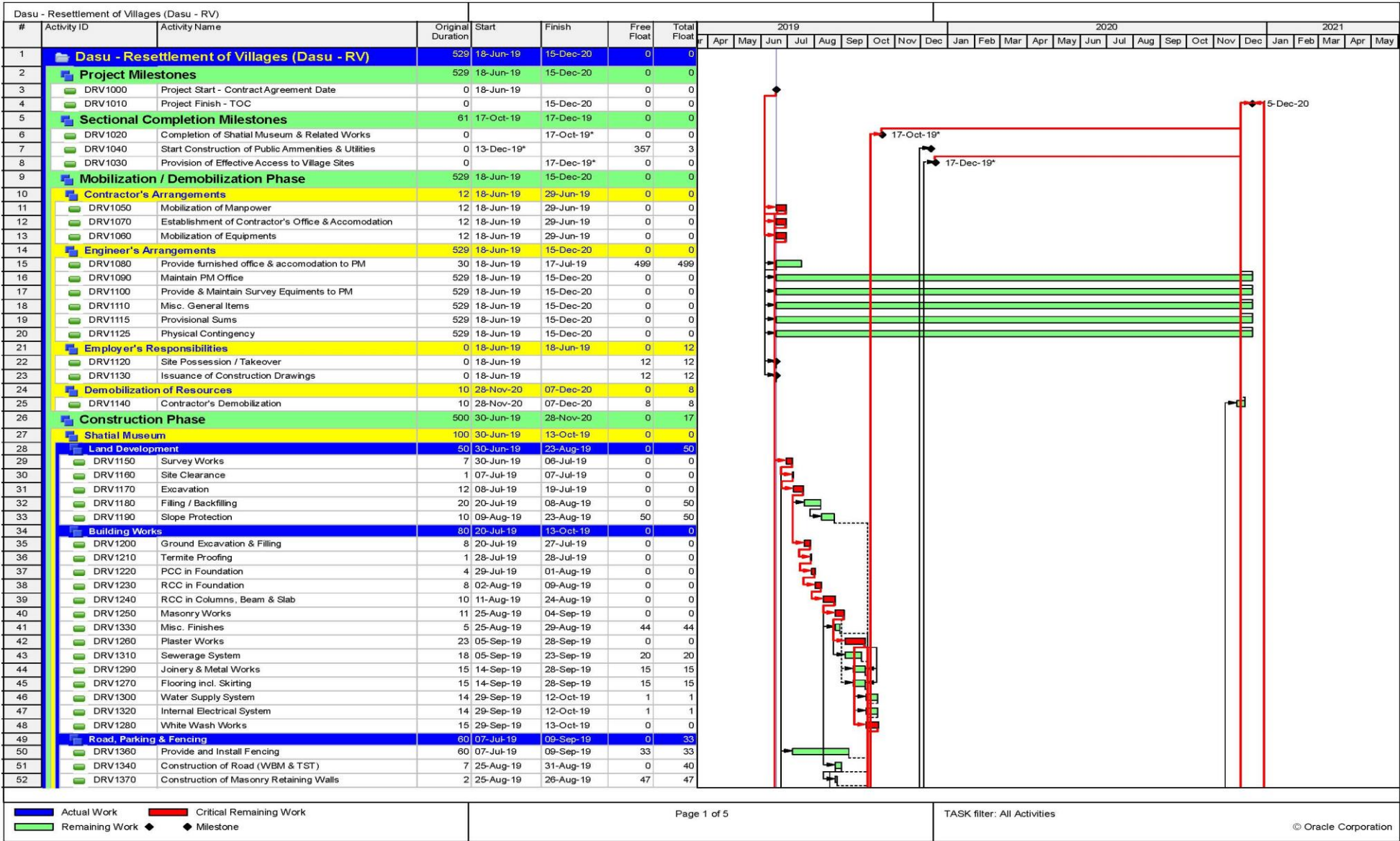


Figure 26: Gantt Chart of Dasu-RV (1 of 5)

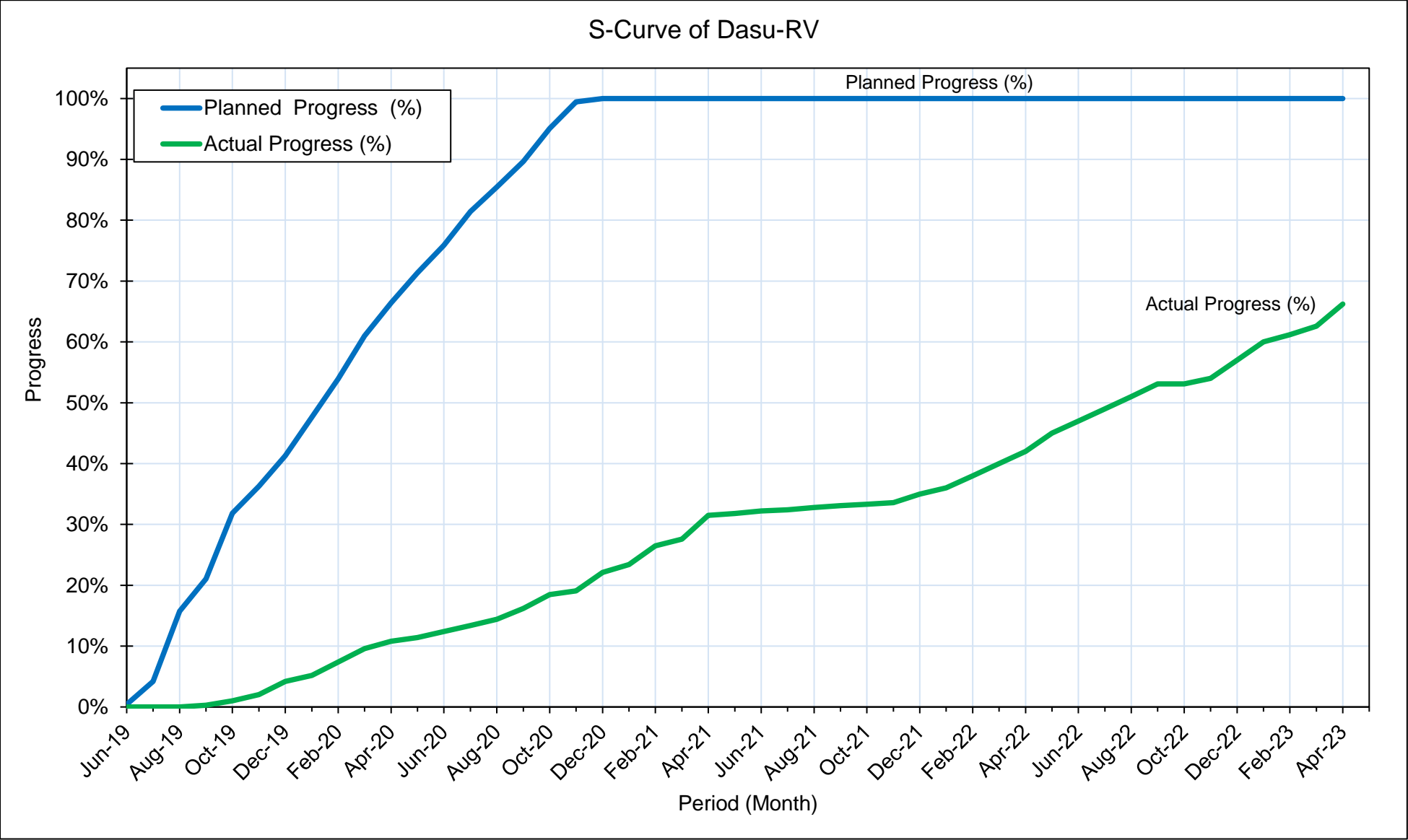


Figure 27: S-Curve for RV

Figure 28 [1/4]

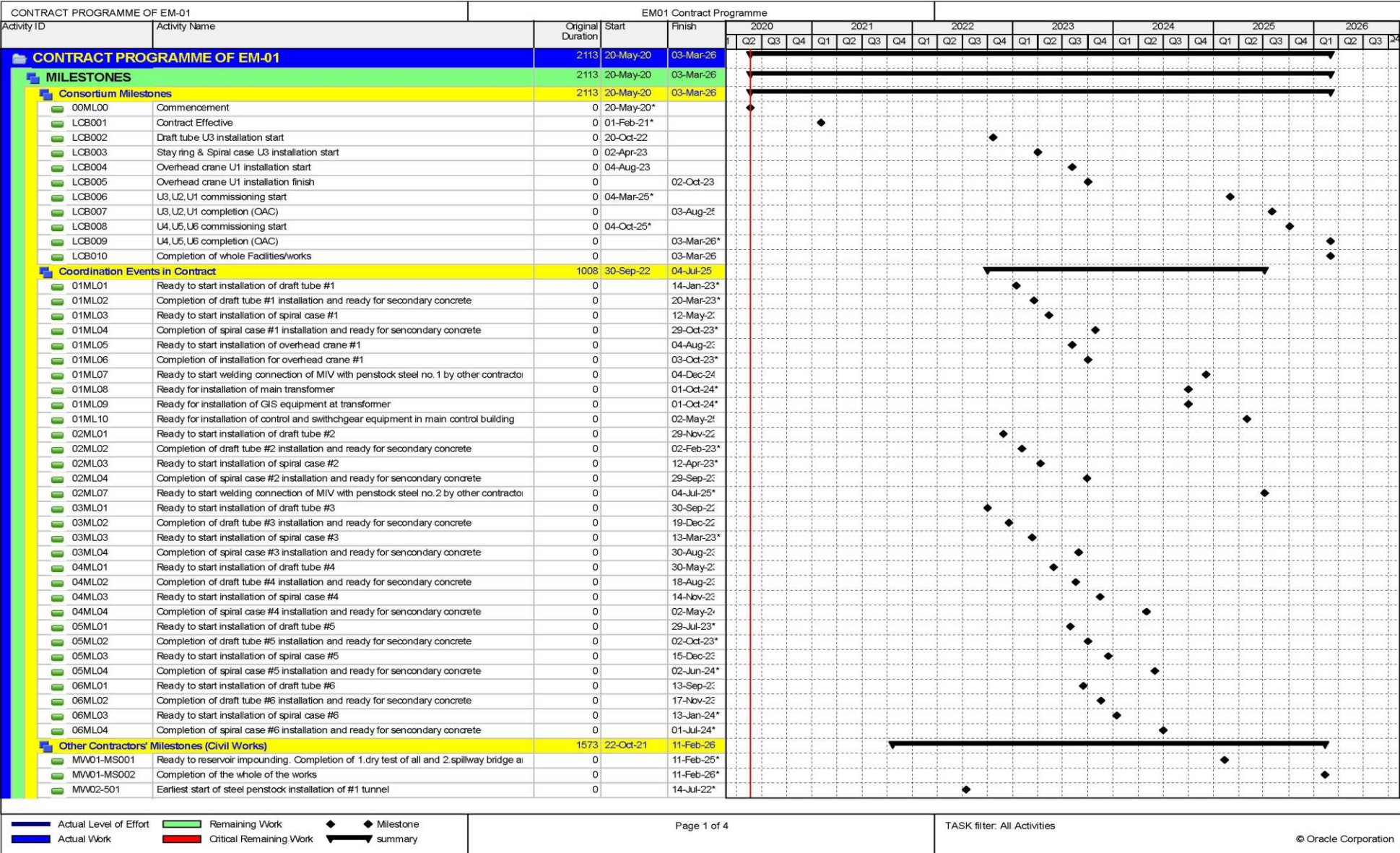
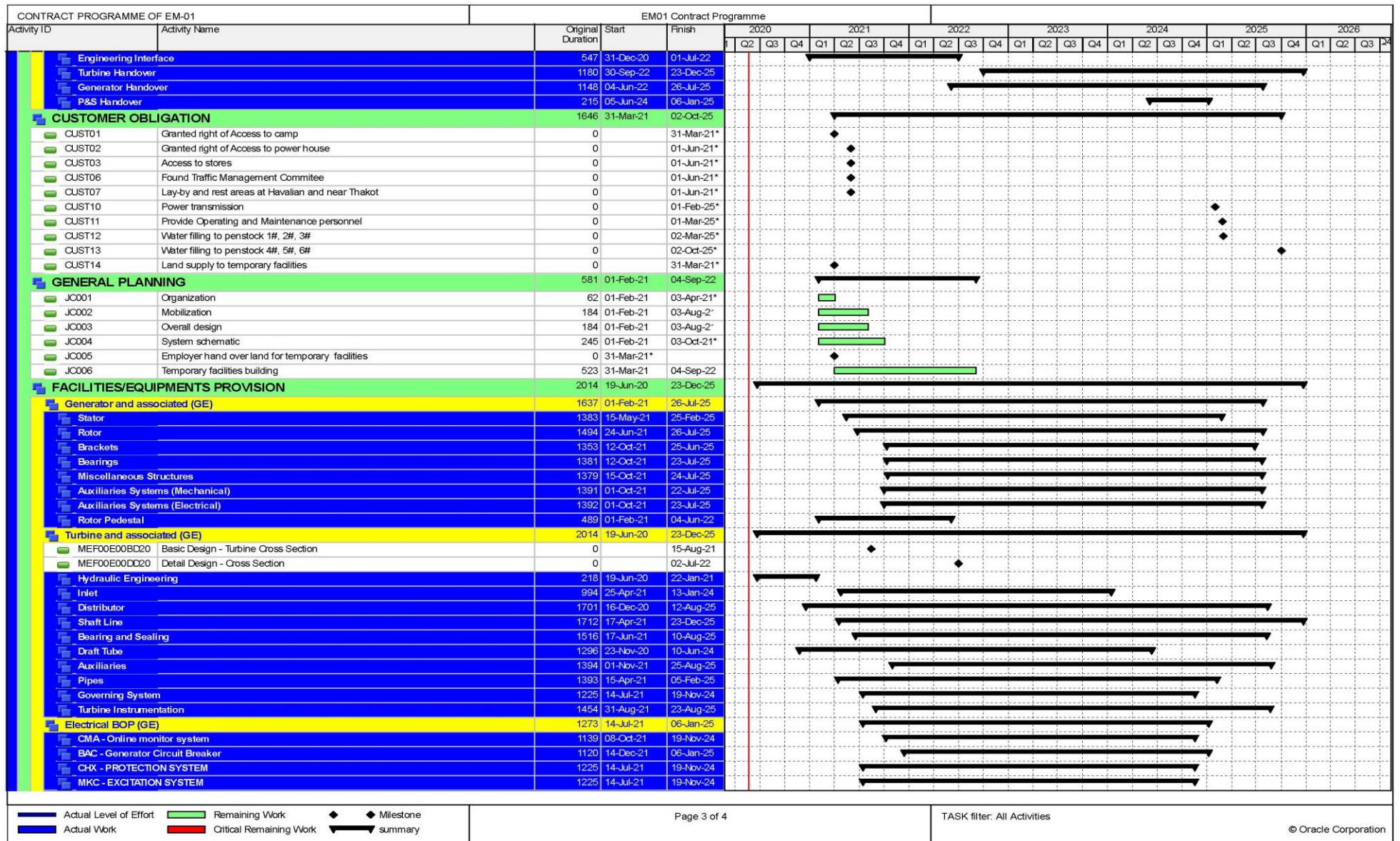


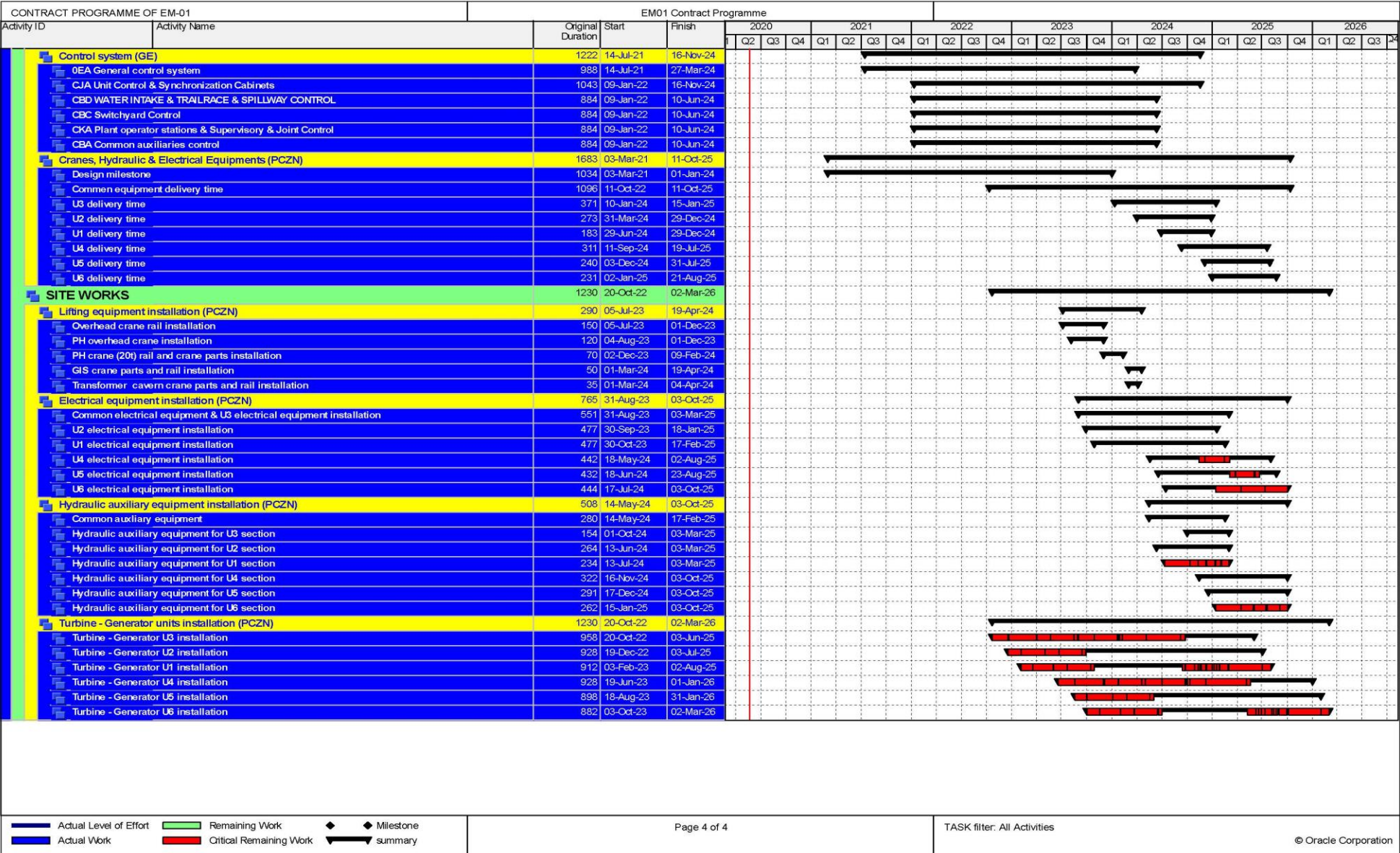
Figure 28: Gantt Chart of Dasu-EM-01 (1 of 4)

Figure 28 [3/4]



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

Figure 28 [4/4]



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

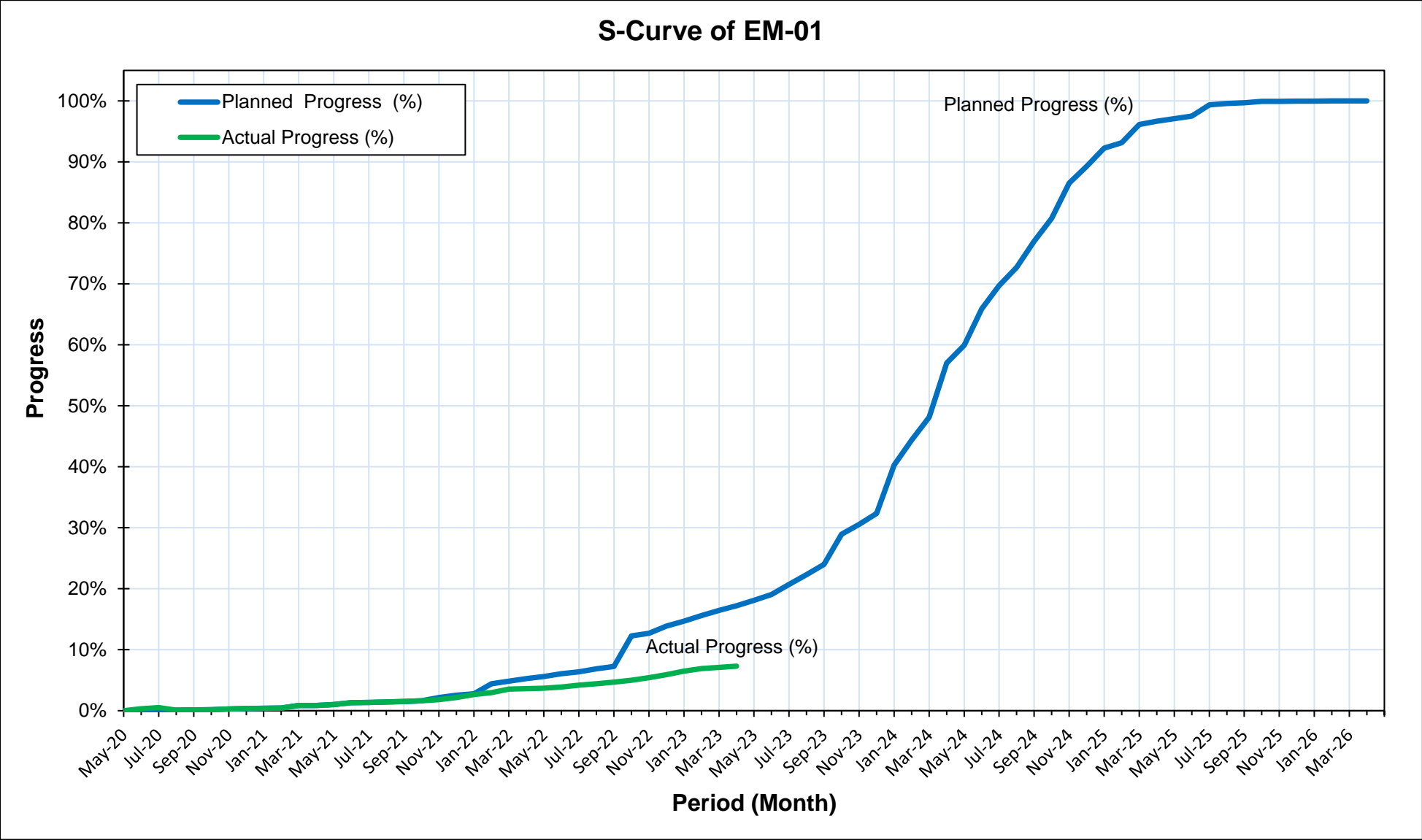


Figure 29: S-Curve for EM-01

APPENDICES

APPENDIX A

Project Activities Pictorial

Appendix A: Project Activities Pictorial

Photographs of OHS Environment Section



Monthly Spot Monitoring for MW-01 and MW-02 Contract Sites, Dated: 15th of April 2023



Joint inspection of DHC with WAPDA and contractor Environment Team on 5th of April 2023 @CR-02 & A1



Joint inspection of DHC with WAPDA and contractor Environment Team on 6th @ CT-02nd of April 2023

Photographs of OHS Section



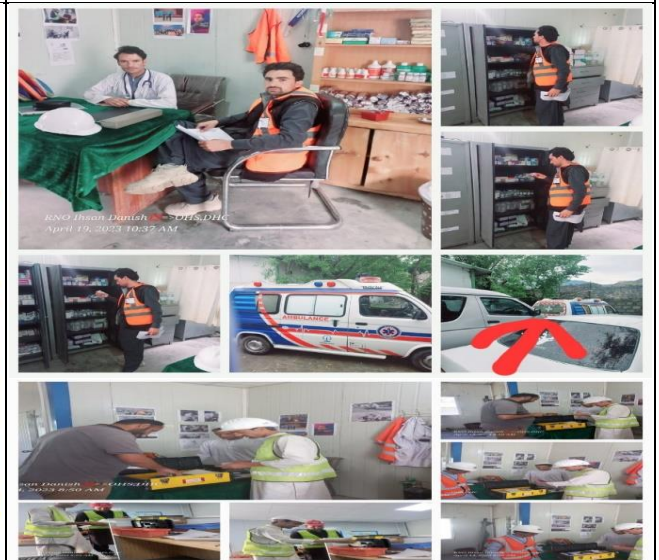
Monthly fire extinguisher inspection was conducted by DHC OHS staff at MW01 and MW02 Contract.



Monthly fire Fighting tender inspection was conducted by DHC OHS staff at Uchar and Barseen



Monthly First aid boxes inspection was conducted by DHC OHS staff at MW-01



Monthly first aid station, first aid boxes and ambulance inspection was conducted by DHC OHS staff at RAR-01



Monthly OHS commitee meeting organized by CGGC at Barseen and attended by DHC Senior OHS staff



1st session of ISO 45001 lead auditor training was successfully completed and attended by WAPDA, DHC and Contractors



Monthly first aid station and ambulance inspection was conducted by DHC OHS staff at MW-01



Monthly first aid station and ambulance inspection was conducted by DHC OHS staff at MW-02



AFI inspection of PPEs conducted by DHC OHS staff at RAR-01



A view of monthly joint inspection laed by DHC OHS Lead and CGGC management



View of training conducted by CGGC OHSO



View of TBT conducted at different sites by CGGC

Photographs of Social & Resettlement Section



During labor conflict resolution at K9 camp of CCECC on 05-04-2023



Awareness session with labor at K9 tunnel on 10-04-2023



In CCECC contractor camp during resolution of conflict between landowner and contractor on 27-04-2023



During inspection of CGGC camp Barseen on 04-04-2023



Gender Implementation Plan: Pictures of the products made by learners



5-4-2023 Joint visit to RV Nasirabad to assess the completion status of work on the RV.



The broken window of Mosoque at Rv Nasirabad-01 (5-4-2023)



New constructed mosque at Rv nasirabad-01 (5-4-2023)



Plots are ready at Rv Nasirabad-02 (5-4-2023)



Septic and anearobic tank at RV Nasirabad-02



Plots and masoque are ready at Rv Nasirabad-01



6-4-2023 Joint visit to Rv Uchar to assess the completion status of work



The subsatndad water supply connection at RV Uchar-01



Inspection interior of filter tank at Rv uchar-01



The broken internal water supply pipeline at Rv Uchar-01



7-4-2023 Plots of Rv Khushi-01



During the field visit at RV Khushi-01 (7-4-2023)



The broken manholes of Swerage line at RV Khushi-01



The broken flushing tank in the toilet at RV Khushi-01



The incompleted Protection wall at Rv Khushi-02 Link-01 (7-4-2023)



The encircled point is the area where Septic tank is constructed underground at RV Khushi-02 Link-01



Risk Assessment for temporary relocation of GMS kuz Komila-meeting with School management and staff. (13-4-2023)



Land sliding and erosion adjacent to GMS Kuz Komila



Joint Field visit to Seer gayal for the temporary relocation of GPS/GGPS Seer gayal on 14-4-2023



Meeting with school Management staff and community by joint field team for relocation of GPS/GGPS Seer gayal. (14.4.23)



Briefing by the CGGC PM RAR-02 about the layout of access road at Seer gayal on 14-4-2023



The new identified piece of land for the temporary shifting (Relocation) of GPS/GGPS Seer gayal



DC office staff presenting ESMR cheque to the AHH at DC office



Admin officer DC Office Kohistan (U) providing ESMR payment cheques to AHH at DC office



Female Headed household displaying received ESMR payment cheque



DHC staff giving ESMR cheques to the AHH at DC office Kohistan



LA Specialist DHC signing Qabzul Wasool before releasing cheques to the PAPs



Members of Compensation Disbursement Committee present at compensation cheque disbursement activity at DC office



CDC members DC Office, WAPDA & DHC during compensation payment disbursement at DC office, Upper Kohistan



PAP showing received compensation payment cheque at DC Office.



Site visit to Seer Gayal regarding work stoppage issue at K47 of KKH – 02 on April 05, 2023



Site visit to Seer Gayal regarding Identification of Land for Masjid on April 05, 2023



Working at LAC Office regarding the Private Registration for Land Acquisition on April 10, 2023



Meeting with community regarding the water supply for Nasirabad RS 01 & 02 on April 15, 2023

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



Slope trimming with jack hammer at Zero Point 3rd Bench RD=K1+500-1+550



Shotcrete at Zero Point K1+415



Excavation works at Zero Point 3rd bench



Formwork and laying of RCCP Khuhse Access Road

K4 Tunnel nstallation of lattice girders and wiremesh K4+313 to 4+316



Logro-A tunnel Fixing of wire mesh at K9+463-9+466

Logro B tunnel K11+894 Charging for blast



Dugah Tunnel drilling for rock bolts

Dugah Tunnel primary support works in progress



Excavation at K28 access Road

Excavation at K34 Access Road



Land Slide Start Section Komila Bypass



Excavation Catch Point K0+450 Komila Bypass



Steel Fixing For Causeway K1+356



Breast Wall Work in progress



Excavation at K12+960



Charging for Blast at K12+990 ~ K13+050



Installation of switch gear equipment on both terraces of Grid Station



Shifting of Panels from store to Grid Station



Placement of switch gear equipment in Control House building



Stringing activity from T-86 to T-87

Photographs of MW-01 & 02



DT-A Inlet Date 13-04-2023



Left Bank Traffic Diversion Tunnel Date 15-04-2023



DT-A Inlet Date 14-04-2023



Starter Dam Date 17-04-2023



Right Bank Cable Crane Date 18-04-2023



Left Bank Cable Crane Date 29-04-2023



Uchar Nalla Date 29-04-2023



River Divert DT-A Inlet



Drilling work in power house



Installations of bearing plates



PAT -02 drilling for anchor bars & installation of rebar mesh



PAT 02



PAT 02



PH Drilling for PS tendons



PH, Drilling



PH, Drilling



PH. 79-2 PS tendon washed by contractor..



PH. packer grout for ps tendons



Preparation for installation of Formwork for head block of PS tendon



TC drilling for Extensometer



TC



TRT 02



TRT-01 (CT-01) shotcrete



TRT-01 (CT-02) mucking & scaling



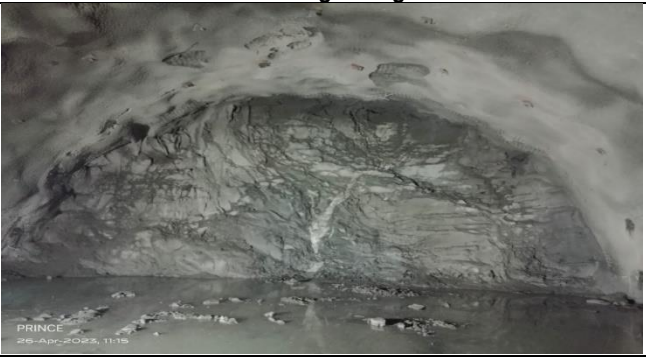
TRT01 DS Drilling for blast



TRT-01 grouting



TRT-02 drilling



TRT02 US

Photographs of Infrastructure Section



Water supply pipes shifting in progress



Block masonry at mosque is in progress



Slope protection work is in progress at Choochang site 1



Fixing of curb stone along s1 road



View of cat- 1 and cat -2



Internal painting at Cat 2 and 2A



Kitchen cabinet work at cat 2 is in progress



Door poishing work cat 2



Project colony phase A



Project Office building external view

APPENDIX B

The Envisaged Man Months

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																	
				78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131																							
L12	Mr. Sajjad-ul-Hassan	Jr. Site Engineer (Powerhouse-2)	PES	1.0												1.0												1.0												1.0												1.0												18.11	4.80	1.00	5.80	12.31												
L13	Mr. Habib-ur-Rehman/ Mr. Khurram Shahzad	Sr. Site Engineer (Tailrace, Outlet)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												41.50	18.03	0.70	18.73	22.77
L14	Mr. Abdul Hafeez/ Mr. Muhammad Hamza Baig	Jr. Site Engineer (Tailrace, Outlet)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												41.50	14.67	0.30	14.97	26.53
L15	Mr. Meer Abdul Qayyum Babar/ Mr. Shahbaz Hassan	Sr. Site Engineer (Mechanical)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												20.51	1.05	-	1.05	19.46
L16	Mr. Shahbaz Hassan/ TBN	Jr. Site Engineer (Mechanical-1)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												39.05	10.55	-	10.55	28.50
L17	Mr. Waqas Khwaja	Jr. Site Engineer (Mechanical-2)	PES	0.5												0.5												1.0												1.0												1.0												1.0												28.50	-	-	-	28.50
L18	Mr. Jahanzaib Alam / TBN	Sr. Site Engineer (Electrical)	DMC	0.5												0.5												1.0												1.0												1.0												1.0												24.00	-	-	-	24.00
L19	Mr. Aqeel Ahmad Khan/ Mr. Muhammad Yahya Khan	Jr. Site Engineer (Electrical-2)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												80.77	78.97	1.00	79.97	0.80
L20	Mr. Tahir Kahlil	Sr. Site Engineer (T/L)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												89.73	86.45	1.00	87.45	2.28
L21	Mr. Zafar-ul-Mulk	Jr. Engineer (T/ L)	PES	1.0												1.0												1.0												1.0												1.0												1.0												99.56	97.29	1.00	98.29	1.27
L22	Mr. Haris Qayyum/ TBN	Jr. Site Engineer (T/L&grid Station-1)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												18.88	1.38	-	1.38	17.50
	Mr. Haris Qayyum/ Mr. Wajid Abbasi	Jr. Site Engineer (Electrical)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												55.21	52.04	1.00	53.04	2.17
L23	Mr. Amanullah/ Mr. Shaukat Masud/ Mr. Muhammad Bashir Bangash/ Mr. Aftab Hussain	Sr. Site Engineer (Infrastructure-1 / PH Control Build)	PES	1.0												1.0												1.0												1.0												1.0												1.0												67.84	46.7	1.00	47.70	20.14
L24	Mr. Muhammad Khurram / Mr. Asif Kahlid / Mr. Saqib Mir	Sr. Site/Design Engineer (Infrastructure-2. PH Control build)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												49.13	33.9	-	33.90	15.23
L25	Mr. Rizwan Qadir/ Mr. Ghulam Nabi	Jr. Site Engineer (Infrastructure-1, RAR-01 and Roads)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												70.13	70.56	-	70.56	(0.43)
L26	Mr. Mohammad Daud Jan/ Mr. Anwar-ul-Haq	Jr. Site Engineer (Infrastructure-2)	PES	1.0												1.0												1.0												1.0												1.0												1.0												53.23	44.83	1.00	45.83	7.40
L27	Mr. M. Fahad Naveed Khan/ Mr. Muhammad Asif/ Mr Amir Zada	Jr. Site Engineer (Infrastructure-3)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												74.10	59.69	1.00	60.69	13.41
L28	Mr. Fahid Qadeer Malik	Jr. Monitoring Engineer-1 (Dam, Powerhouse Complex & Tunnel)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												30.00	0	-	-	30.00
L29	Mr. Shahid Ullah	Jr. Monitoring Engineer-2 (Underground Complex)	PES	1.0												1.0												1.0												1.0												1.0												1.0												-	0	-	-	-
L30	Sobia Nazir/ Mr. Asif Mehmood	Sr. Architect / Sr. Quantity Surveyor (Infrastructure & Earthwork)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												69.86	63.93	1.00	64.93	4.93
L31	Mr. Sajid Nawaz Tarrar	Sr. Engineer (Claim and Dispute)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												64.13	45.15	1.00	46.15	17.98
L32	Mr. Syed Haroon Ali Shah	Jr. Utility Engineer (Colony, RV, PH, Control Buildings)	PES	1.0												1.0												1.0												1.0												1.0												1.0												21.50	7.36	1.00	8.36	13.14
L33	Mr. Tariq Javed	Sr. Laboratory Professional-1	NDC	1.0												1.0												1.0												1.0												1.0												1.0												109.50	82.47	1.00	83.47	26.03
L34	Mr. M. Shafique	Jr. Laboratory Professional-1 (Quarry Development)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												36.00	0	-	-	36.00
L35	Mr. Arsala Khan/ Mr. Muhammad Ismail	Jr. Laboratory Professional-2 (batching plant)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												32.00	15.9	1.00	16.90	15.10
L36	Mr. Muhammad Akif/ Mr. Muhammad Waqas Anwar/ Mr. Muhammad Imran Hassan	Sr. Design Engineer-1 (Diversion Dam)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												89.81	71.74	1.00	72.74	17.07
L37	Mr. Hafiz Qadeer Ali Malik/ Mr. Laraib Zaidi	Jr Design Engineer-1 (Diversion Dam)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												55.76	41.14	1.00	42.14	13.62
L38	Mr. Najm ul Hassan	Sr. Structural Design Engineer	PES	1.0												1.0												1.0												1.0												1.0												1.0												22.00	16.54	1.00	17.54	4.46
	Mr. Najm ul Hassan	Sr Design Engineer-2 (spillway)	PES	1.0												1.0												1.0												1.0												1.0												1.0												23.27	1.27	-	1.27	22.00
L39	Mr. Ahmad Riaz	Jr Design Engineer-2 (Spillway, LLO)	PES	1.0												1.0												1.0												1.0												1.0												1.0												23.00	0	-	-	23.00
L40	Mr. Ali Iqbal/ TBN	Sr Design Engineer-3 (Tunnels)	PES	1.0												1.0												1.0												1.0												1.0												1.0												28.21	4.21	-	4.21	24.00
L41	Mr. M. Momin Shahzad	Jr. Design Engineer-3 (Tunnels)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												18.00	0	-	-	18.00
L42	Mr Shah Jahan	Sr Design Engineer-4 (Tunnels)/ Sr Engineer Construction Planning & Costing	DMC	1.0												1.0												1.0												1.0												1.0												1.0												42.13	32.79	1.00	33.79	8.34
L43	TBN	Jr. Design Engineer-4 (Tunnels)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												-	0	-	-	-
L44	Mr. Shaheen Sabir / Mr. Muhammad Akif	Sr Design Engineer-5 (Powerhouse)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												61.67	41.72	1.00	42.72	18.95
L45	Mr. Abdul Waheed Khan / TBN	Jr. Design Engineer-5 (Powerhouse)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												29.55	12.55	-	12.55	17.00
L46	Mr. Ashfaq Ali	Sr Design Engineer-6 (Powerhouse)	PES	1.0												1.0												1.0												1.0												1.0												1.0												24.00	0	-	-	24.00
L47	TBN	Jr. Design Engineer-6 (Powerhouse)	PES	1.0												1.0												1.0												1.0												1.0												1.0												12.00	0	-	-	12.00
L48	Mr. Aurangzeb Irshad/ Mr. Anwar Zeb	Sr. Quantity Engineer/ Sr. Construction Planner	PES	1.0												1.0												1.0												1.0												1.0												1.0												107.05	94.32	1.00	95.32	11.73
L49	Mr. Shfaat Iqbal	Sr. Electrical Engineer	DMC	1.0												1.0												1.0												1.0												1.0												1.0												50.94	45.31	1.00	46.31	4.63
L50	Mr Sardar Alam	Sr Survey Engineer/ Sr Environmentalist (MW-01, MW-02, EM-01)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												44.00	17.64	1.00	18.64	25.36
L51	Mr. Muhammad Rasheed/ Mr Sajid Ali Shah	Sr. Design Engineer (KKH01&02)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												52.00	45.00	1.00	46.00	6.00
L52	TBN	Jr. Road Engineer / Jr. M&E Professional (S&R)	PES	1.0												1.0												1.0												1.0												1.0												1.0												18.00	-	-	-	18.00
L53	Mr. Muhammad Usman Yaseen	Sr. Site Engineer (KKH-01, Bridge)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												24.00	14.29	1.00	15.29	8.71
L54	Mr. Muhammad Owais	Sr. Design Engineer (Road 3) (Bridges & Structures)/ Sr. Survey Professional)	PES	1.0												1.0												1.0												1.0												1.0												1.0												114.81	95.34	1.00	96.34	18.47
L55	Mr. Abid Ali / TBN	Jr. Design Engineer(Bridges and Structures)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												20.00	-	-	-	20.00
L56	Mr. Muhammad Aamir Ali/ Mr. Muhammad Rashid	Sr. Design Engineer (Infrastructure)	DMC	1.0												1.0												1.0												1.0												1.0												1.0												63.58	44.47	1.00	45.47	18.11
L57	Mr. Haseeb Akbar/ Mr. Hafiz Awais Danish/ Mr Adil Shakeel	Jr. Design Engineer (Infrastructure-1)/ Jr Contract Engineer	PES	1.0												1.0												1.0												1.0												1.0												1.0												76.05	61.43	1.00	62.43	13.62
L58	Mr Muhammad Mohsin Tariq	Sr. Environmentalist/ Sr Contract Engineer	DMC	1.0												1.0												1.0												1.0												1.0												1.0												20.00	10.27	1.00	11.27	8.73
L59	Mr. Muhammad Waqas Anwar / TBN	Jr. Design & Quantity Engineer (Infrastructure)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												28.05	11.05	-	11.05	17.00
L60	Mr. Muhammad Khalid/ Mr. Noor-ul-Hadi / TBN	Sr. Documents Controller/ Sr. livelihood Specialist	DMC	1.0												1.0												1.0												1.0												1.0												1.0												41.38	41.38	-	41.38	-
L61	Mr. Naveed Anwar Khan / TBN	Sr. Site Engineer (HS-A, Dam)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												24.50	-	-	-	24.50
L62	Mr. Fuzail Arif	Jr. Site Engineer (HS-A, Dam)	PES	1.0												1.0												1.0												1.0												1.0												1.0												24.50	-	-	-	24.50
L63	Mr. Zohaib Ansar	Sr. Site Engineer (HS-B, Underground)	PES	1.0												1.0												1.0												1.0												1.0												1.0												18.00	-	-	-	18.00
L64	Mr. Muhammad Shah Ahmad	Jr. Site Engineer (HS-B, Underground)	NDC	0.5												0.5												1.0												1.0												1.0												1.0												22.00	-	-	-	22.00
L65	Mr. Ilyas Hussain Qureshi/ Mr. Abrar Shah Tipu/ Mr. Kashan Arshad / TBN	Sr. Site Engineer (Road-A) (KKH-02)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												46.05	24.99	1.00	25.99	20.06
L66	Mr. Jalil Ahmad	Jr. Site Engineer (Roads)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												32.64	8.64	-	8.64	24.00
L67	Mr. Abrar Ullah/ Mr. Bilal Ahmed	Sr. Site Engineer (Road-B) (RAR1)	PES	1.0												1.0												1.0												1.0												1.0												1.0												99.71	91.41	0.90	92.31	7.40
L68	Mr. Khurram Shahzad/ Mr. Zaka-Ur-Rehman / Mr. Muhammad Usman Yaseen	Jr. Road Engineer (KKH-02)	PES	1.0												1.0												1.0												1.0												1.0												1.0												74.82	70.94	-	70.94	3.88
L69	Mr. Muhammad Imran Hanif	Sr. Site Engineer (Road-C) (Resettle/ Internal road, KKH-01)	NDC	1.0												1.0												1.0												1.0												1.0												1.0												78.33	64.33	1.00	65.33	13.00

APPENDIX C

Submission of Deliverables

Appendix C: Submission of Deliverables

Date	Subject
01.04.23	RAR-01-Interim Payment Certificate No # 34
03.04.23	Submission of 1st Draft of Bidding Document for Procurement of Furniture for WAPDA Project Office PCI-01R
04.04.23	PCI-01R-Interim Payment Certificate No.39
04.04.23	KKH-01-Review of Revised Monthly EHS Monitoring Report NO.85 for the Month of January 2023
08.04.23	KKH-01-Interim Payment Certificate No# 31
08.04.23	RV-VO-007 - Varied Works of Pumping Sewage for Project Colony
09.04.23	Revised Reply to Audit Observations- Set 1
10.04.23	PCI-02-Evaluation Report on Pre-Qualification of Applicants (REVISION-03)
10.04.23	Submission of 95 Commercial Structures Files of Various Villages
10.04.23	RAR-02-Adverse Impacts of Construction Activities on School Located at GPS Seer Gayal
11.04.23	TL-01-Interim Payment Certificate No. 67
11.04.23	RAR-01-Contractor's Interim Costs Claim (Quantification) for On-site Management Overhead Costs during Extended Time (EOT No. 1 and EOT No. 2)
12.04.23	LBRV-11-Interim Payment Certificate No. 13
12.04.23	PCI-01R-Submission of 2nd Draft of Bidding Documents for Procurement of Furniture
12.04.23	PCI-01R-Procurement of Design Supply, Installation, Testing and Commissioning of Solar Power System at Project Colony
12.04.23	RV-Interim Payment Certificate No. 14
15.04.23	MPR NO.104 for the Month of March 2023 Under Assignment-B
17.04.23	KKH-02-Interim Payment Certificate No # 06
18.04.23	Project Manager's Analysis of Different Options for Contract Price Adjustment EM-01
19.04.23	RAR-01-Contractor's Interim Costs Claim (Quantification) for On-site Management Overhead Costs (EOT-1 & EOT No.2)

Date	Subject
19.04.23	Payment of Project Allowance to 45 AHHs of Various Villages
27.04.23	KKH-02-Submission of Cost Evaluation Report VO-002
27.04.23	MW-02-Interim Payment Certificate No # 37 - for Feb-2023
28.04.23	MW-01-Contractor's Claim for COVID-19 - Draft Referral to the Dispute Board under GC Sub-Clause 20.4
28.04.23	MW-01-Interim Payment Certificate No # 37 - For the Month of Feb-2023

APPENDIX D

List of Meetings

Appendix D: List of Meetings

Date	Meeting With	Place	Subject
28.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting MW-01
28.03.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for MW-01
28.03.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting MW-02
04.04.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting MW-02
10.04.23	WAPDA DHC PCCC	WAPDA Office	Minutes of Weekly Progress Review Meeting TL-01
11.04.23	DHC PCCC	DHC Meeting Room	Minutes of Meeting Regarding the Contractor's Claim - Compensation due to Usage of Land Owner's Labour
11.04.23	DHC CGGC	DHC Meeting Room	Minutes of Weekly Progress Review Meeting MW-02
14.04.23	DHC CGGC	DHC Environment Section	Minutes of Monthly Environmental Progress Review Meeting for KKH-02
27.04.23	WAPDA DHC CGICOP	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for PCI-01R
28.04.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for MW-02
28.04.23	WAPDA DHC GEPC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for EM-01
29.04.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for RAR-02
29.04.23	WAPDA DHC CGGC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for KKH-02

Date	Meeting With	Place	Subject
29.04.23	WAPDA DHC PCCC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for TL-01
30.04.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for RAR-01
30.04.23	WAPDA DHC CCECC	DHC Meeting Room	Minutes of Monthly OHS Progress Review Meeting for KKH-01

APPENDIX E

Correspondence

Appendix E: Correspondence of Incoming and Outgoing Letters Incoming Letters

Sr. No	Receiving Date	Letter No.	Subject	Remarks
1. From WAPDA				
1.1. General				
Lahore Office				
1.	05.04.23	GM/PD/Dasu HPP/XEN/CS/2530-34	Request for Issuance of Multiple Entry Visa to Mr. Mohammad Zaman	
2.	06.04.23	GM/PD/Dasu HPP/Actt/1552-55	Release of Payments of Reimbursement Inv No. 100 Nov. 22 and Supplementary Invoices	
3.	06.04.23	GM/PD/Dasu HPP/Dir(C)/DHC (Audit)/1540-46	Audit Payment made to DHC for the Period from 10-2016 to 04-2020	
4.	10.04.23	GM/PD/Dasu HPP Dir(C)/ CS/ 1571-75	Change of Designation of Mr Yousaf Khan Deputy PM-A (Site) to Chief Coordinator K45	
5.	10.04.23	GM/PD/Dasu HPP Dir(C)/ CS/ 1582-87	Approval of Shifting Muhammad Hamza Baig Jr (L14) to Sr Site Engineer (Tailrace Outlet) L13	
Dasu Office				
6.	03.04.23	GM/PD/DHPP/Security/S-04/417-21	Outstation Movement of Expatriate	
7.	03.04.23	GM/PD/DHPP/Security/S-04/422-26	Outstation Movement of Expatriate as special case	
8.	03.04.23	GM/PD/DHPP/ADMN/A-2/3197-3208	Office Order	
9.	05.04.23	GM/PD/DHPP/S&D/3247-49	Advisor (Projects) Tour Note 15-17 March 2023	
10.	10.04.23	GM/PD/DHPP/Security/S-04/432-36	Outstation Movement of Expatriates	
11.	12.04.23	GM/PD/DHPP/Env/W-32/172-174	Request to Conduct Detailed Screening of Spoil Disposal Area in Barseen	
12.	12.04.23	GM/PD/DHPP/Env/G-10/169-171	Request to Conduct Audit of Contractors Camps	
13.	12.04.23	GM/PD/DHPP/Env/W-32/166-168	Disposal of Spoil Material Along River and Nullah Slopes	
14.	12.04.23	GM/PD/DHPP/Env/W-37/175-179	Traffic Congestion Caused by Oversized Long Vehicles Through Dasu Town	
15.	13.04.23	GM/PD/DHPP/Security/S-04/4457-61	Outstation Movement of Expatriates	
16.	13.04.23	GM/PD/Dasu HPP/Dir(C)/CS/ 164 9-53	Action Plan to Improve the Performance of DHC	
17.	13.04.23	GM/PD/DHPP/Security/S-04/455-56	Change in Outstation Movement Plan	
18.	13.04.23	GM/PD/DHPP/Env/W-32/180-82	Disposal of Spoil Material Along River Slope	
19.	15.04.23	GM/PD/DHPP/Contracts/Gen/01/3517-20	Orientation Meeting with Respect to Installation of the SOS System	
20.	18.04.23	GM/PD/DHPP/G-3/191-193	Request to Hold an Investigations Inquiry of Alleged Blasphemy Act by a Chinese National Employee	
21.	18.04.23	GM/PD/DHPP/3508-10	Request to Provide Design Parameters of DHPP Diversion Scheme	
22.	19.04.23	GM/PD/DHPP/Security/503	Amended Outstation Movement Plan	
23.	20.04.23	GM/PD/DasuHPP/S&R/Env/3597-98	Glacier Monitoring & Research Center (GMRC)Draft Report ON Uchar Nullah	
24.	19.04.23	GM/PD/DHPP/Security/S-04/510-512	Requirement of Security/Administrative Work at CGICOP Camp	
25.	26.04.23	GM/PD/DHPP/Security/S-46/506-508	Inspection of 3x Bullet Proof Buses for Foreigners	
26.	26.04.23	GM/PD/DHPP/Security/S-46/514-516	Outstation Movement of Expatriates	
27.	28.04.23	GM/PD/Dasu HPP/Security/ 523-526	Schedule of Outstation Movement of Expatriate for the Month of May ,2023	
28.	28.04.23	GM/PD/Dasu HPP/Security/ 517-519	Installation of Security Camera' at Chuchang Colony	
1.2. Dasu-RAR-01				
Dasu Office				
29.	05.04.23	GM/PD/DHPP/Contracts/RAR-01/23/3265-67	Contractors Interim Cost Claim for on Site Management Overhead Cost During Extended time no 1 and EOT NO.2	
30.	06.04.23	GM/PD/Dasu HPP/RAR-01/2023/3300-3303	RAR-01-Application Submitted by Inhabitants Komila Bypass	
31.	06.04.23	GM/PD/Dasu HPP/RAR-01/2023/3296-99	Application Submitted by Inhabitants Komila bypass	
32.	12.04.23	GM/PD/Dasu HPP/RAR-01/2023/3298-99	Stoppage of Subgrade Work Activities by Local People at (K1800) Around at Komila Bypass	
33.	12.04.23	GM/PD/Dasu HPP/RAR-01/2023/3296-97	Application from Locals Community of Kummah Seo Village Kohistan	
34.	17.04.23	GM/PD/DHPP/Contracts/RAR-01/23/3529-32	Interim Claim Under Disruption and Delayed Handing over of Land Possession RAR-01	
1.3. Dasu-RAR-02				
Dasu-Office				
35.	05.04.23	GM/PD/Dasu HPP/RAR-02/2023/3283-85	Slow Progress by the Contractor 3.65% Against 94.72% Planned Progress	
36.	18.04.23	GM/PD/DHPP/3558-60	Presentation Format for Work Progress Meetings with the World Bank	
1.4. Dasu-KKH-01				
Dasu Office				
37.	04.04.23	GM/PD/DHPP/Contracts/KKH-01/11/3170-75	Provision of Rates of Bitumen 60-70 Grade (Bulk) for Price Adjustment Purpose	
38.	12.04.23	GM/PD/DHPP/XEN(T)KKH-01/1632-36	Letter of Recommendation for Explosives Material Transportation License	
39.	13.04.23	GM/PD/DHPP/CE(S&D)/2023/3487-89	Report of SHO of the Police Station Komila Vide Daily Diary No.30 Dated 2.4.2023	
40.	13.04.23	GM/PD/DHPP/CE(S&D)/2023/3483-86	Report of SHO of the Police Station Dasu Vide Daily Diary No.19 Dated 4.4.2023	
41.	18.04.23	GM/PD/DHPP/Contracts/KKH-01/3561-64	Extension of Advance Payment Guarantee Against VO-005 for Increased Contract Amount	
1.5. Dasu-KKH-02				
Dasu Office				
42.	10.04.23	GM/PD/Dasu HPP/KKH-02/ 1595-99	Recommendation Letter for Issuance of NOC for Fuel Storage	
43.	12.04.23	GM/PD/DasuHPP/S&D/KK H/3445-47	Urgent Request for Additional Borehole Survey for new Tunnels	
44.	12.04.23	GM/PD/ CE(S&D)/Dasu HPP/ KKH-02/3414-17	Request Letter for Fuel Storage (NOC)	
45.	18.04.23	GM/PD/DHPP/KKH/3555-57	Presentation Format for Work Progress Meetings with the World Bank	
46.	28.04.23	GM/PD/Dasu HPP/Security/ 520-522	Request for FC Arrangement at Looter Camp	
1.6. Dasu-TL-01				
Dasu Office				
47.	07.04.23	GM/PD/Dasu HPP/TL-13/33 19-20	Weekly Progress Review Meeting on 132kv Transmission Line & Grid Station	
48.	07.04.23	GM/PD/DHPP/Contracts/TL-01/43G/3467-69	Contractors Interim Cost Claim Price Adjustment for Market In Inflation for the Extended Period	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [2/16]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
1.7. Dasu-MW-01				
Dasu-Office				
49.	04.04.23	GM/PD/DHPP/Contracts/MW-01/87/3162-65	Extension of Insurance Policies Due to Extension of Time	
50.	04.04.23	GM/PD/S&D/MW-01/3154-57	Construction of Multi -Cell Culvert at Uchar Nullah	
51.	04.04.23	GM/PD/DHPP/S&R/G-10/Env/153-155	Comments on the Monthly Environmental Report of the Contractor CGGC for MW-01	
52.	05.04.23	GM/PD/DHPP/S&D/MW-01/3261-64	Slow Progress at Right Bank Diversion Tunnel	
53.	05.04.23	GM/PD/Dasu HPP/XEN(T)/ Dam-35/1524-27	Request for Issuance of Visa for Personnel of MS CGGC Working on Mian Civil Works	
54.	06.04.23	GM/PD/S&D/MW-01/2023/3274-76	Request for Confirmation of Causeway Position Planned at Uchar Nullah	
55.	05.04.23	GM/PD/DHPP/S&D/MW-01/3268-70	MW-01-Slow Progress at Cut-off Wall of US Starter Dam	
56.	05.04.23	GM/PD/DHPP/S&D/MW-01/3286-88	Status of Aggregate Crushing and Concrete Batching Plants Siglo	
57.	05.04.23	GM/PD/DHPP/S&D/MW-01/3271-73	Completion of Works for Generators at Uchar (Thoki) Crushing and Batching Plant (Reminder- II)	
58.	06.04.23	GM/PD/DHPP/S&D/MW-01/3304-06	Hydraulic Design Data of Basha Dam (1685)	
59.	06.04.23	GM/PD/DHPP/S&D/MW-01/3307-09	Uchar Crushing Plant and Batching Plant Power Supply	
60.	11.04.23	GM/PD/DHPP/S&D/MW-01/3358-59	Status of Batching Plant Siglo Area	
61.	11.04.23	GM/PD/DHPP/S&D/MW-01/3375-76	Inland Navigation System from Diامر Basha Dam Project (DBDP) to Tarbela Dam Project	
62.	11.04.23	GM/PD/DHPP/S&D/MW-01/81/3360-62	Purchase of Armored Vehicles for Enhancement of Security of Expatriates	
63.	12.04.23	GM/PD/DHPP/S&D/MW-01/3411-13	Requirement of High Resolution Satellite Imageries and Digital Elevation Model (DEM)	
64.	13.04.23	GM/PD/DHPP/Contracts/MW-01/83/3464-66	Request to Provide PESCO Billing Rates	
65.	13.04.23	GM/PD/DHPP/CE(S&D)/2023/3478-82	Request for Arrangement of Rescue Machinery Equipment Along with Professional Rescues	
66.	13.04.23	GM/PD/DHPP/2023/3490-94	Engineers Response on IPOE Report of 10th February 2023	
67.	14.04.23	GM/PD/DHPP/Env/G-10/188-90	Vehicle Parking at KKH Near Uchar Batching Plant	
68.	17.04.23	GM/PD/DHPP/3536-40	Recovery of Hire Charges Bill NLC Avn Fit	
69.	17.04.23	GM/PD/DHPP/Contracts/MW-01/85/3544-48	Payment of Rent of Open Land, Shed, Office Building in GBC Colony Hattian for the Period from 01.03.23 to 30.04.23	
1.8. Dasu-MW-02				
Dasu-Office				
70.	04.04.23	GM/PD/DHPP/Contracts/MW-02/97/3166-69	MW-02-Extension of Insurance Policies due to Extension of Time	
71.	04.04.23	GM/PD/DHPP/S&R/G-10/Env/150-152	Comments on the Monthly Environmental Report of the Contractor CGGC for MW-02	
72.	10.04.23	GM/PD/DHPP/MW-02/1600-05	Letter of Recommendation for Explosives Material Transportation License (EL-07)	
73.	11.04.23	GM/PD/DHPP/Contracts/MW-02/91/3363-66	Purchase of Armored Vehicles for Enhancement of Security of Expatriates	
1.9. Dasu-LBRV-11				
Dasu-Office				
74.	23.04.23	PD/DHPP/DG-SS/S&R/E-52/547-48	Water Source from Uchar Nullah for Resettlement Village Uchar	
75.	05.04.23	GM/PD/DHPP/Contracts/LBRV-11&12/3237-80	Completion of Outstanding Works at Handed Over Resettlement Sites and Final Extension of Time	
76.	05.04.23	GM/PD/DHPP/Contracts/LBRV-11&12/3241-46	Repayment of Mobilization Advance	
1.10. Dasu-PCI-01R				
Dasu office				
77.	03.04.23	GM/PD/DHPP/PCI-01R/3137-39	Completion of Residential Buildings and Project Office for Shifting of WAPDA & Consultant Staff to Choochang Colony	
78.	04.04.23	GM/PD/DHPP/Contracts/PCI-01R/33/3207-10	Revised Contract Programme for 2nd Extension of Time (EOT-2)	
79.	10.04.23	GM/PD/DHPP/PCI-01R/3328-32	Procurement of Design Supply Installation Testing and Commissioning of Solar Power System	
80.	10.04.23	GM/PD/DHPP/Contracts/PCI-01R/31/3353-56	Submission of 1st Draft of Bidding Document for Procurement of Furniture for WAPDA Project Office	
81.	30.04.23	GM/PD/DHPP/Contracts/PCI-01R/31/3630-33	Submission of 2nd Draft of Bidding Documents for Procurement of Furniture for WAPDA Project Office	
1.11. Dasu-PCI-02				
Dasu office				
82.	18.04.23	GM/PD/DHPP/Contracts/PCI-02/131/3571-74	Revised Draft Bidding Document for PCI-02	
1.12. Dasu-EM-01				
Dasu-Office				
83.	04.04.23	DHPP/Contracts/EM-01/DB/116F/3185-93	Dispute Board (DB) for Contract EM-01 of Dasu Hydropower Project Appointment of Third Member of Dispute Board to act as Chairman	
84.	11.04.23	GM/PD/Dasu HPP/FAT-TRG/3373-74	Employers Witness for FAT on Unit 4 Stay Ring	
85.	18.04.23	GM/PD/DHPP/Contracts/EM-01/3549-51	ROW Issue at EM-01 Camp Site	
86.	18.04.23	GM/PD/Dasu HPP/FAT-TRG/3581-82	Employers Witness for FAT on Unit 4 Stay Ring	
1.13. Dasu-S&R				
Dasu-Office				
87.	04.05.23	GM/PD/DHPP/S&R/E-66/574--76	Approval of 01 Affected Household of Mr. ESSA Wali Son of Samar Resident of Summer Nullah Missing in Original Household List	
88.	05.04.23	PD/DHPP/DG(SS)2023/E-18/ 566	Religious Leader Workshop	
89.	07.04.23	GM/PD/DHPP/S&R/2023/E-1/590-91	Application Regarding Rectification of Water Course at Kuz Choochang	
90.	07.04.23	GM/PD/DHPP/S&R/2021/E-66/503-04	Correction in Record Against Application Submitted by Gul Zada	
91.	12.04.23	GM/PD/DHPP/LA-S&R/W-100/345-47	Possession Handing Taking Over Certificate in Respect of Lachi Nullah Reservoir Area (File-5)	
92.	13.04.23	GM/PD/DHPP/LA-S&R/E-38/635-36	Redressal of Grievances of Mr.Gul Badshah Ex-Employee of CCECC	
93.	17.04.23	GM/PD/DHPP/S&R/E-66/652-54	Application Regarding Residential Structure Disturbance by Komila bypass Construction	
94.	14.04.23	GM/PD/DHPP/S&R/E-66/644	Application Regarding Self-Managed Relocation (M.Jameel, Zareen Taj, Ajoon Khan, Hamayat ullah and Nawaz Sharif	
95.	18.04.23	GM/PD/DHPP/SS/S&R/E-28/660-62	Employment of Land Owner of Kass Community with Contractor MS CGGC	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [3/16]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
96.	18.04.23	GM/PD/DHPP/S&R/2023/E-29/663-67	Clarification Correction of Structures Category Reflected in Assessment of Build up Property of Khasra No.31 & 88 Khushi Area	
1.14. Dasu-LADP				
Dasu Office				
97.	07.04.23	GM/PD/DHPP/S7R/E-34/597-99	Provision of LADP Working DATA Record in Soft Form	
2. From Contractors				
2.1. Dasu-RAR-01				
Dasu Office				
98.	02.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-026	Occurrence of Land sliding at Komila Bypass from K0+035 to K0+125- Notice Under Clause 17.4	
99.	02.04.23	CCECC/PAK/DASUFIELD/RAR-01/HSE/23-006	Initial Incident Investigation Report Landslide at K0+035 to K0+0125 RAR-01	
100.	01.04.23	CCECC/PAK/DASUFIELD/RAR-01/WR/23-009	Weekly Progress Report RAR-01	
101.	01.04.23	CCECC/PAK/DADUFIELD/RAR-01/23-062	The Contractor's Further Clarification for Certificated IPCs Which was Included Cost Claim	
102.	08.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-029	Removal of Local House at K0+400 at Komila Bypass	
103.	09.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-030	Monthly Progress Report for the Month of March 2023	
104.	10.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-031	Submission of Interim Payment Application- IPA-37	
105.	14.04.23	CCECC/PAK/DASUFIELD/RAR-01/HSE/23-007	Rectification Status Reports of Walkthrough Inspections	
106.	14.04.23	CCECC/PAK/DASUFIELD/RAR-01/HSE/23-008	Incident Investigation Report & RCA of te Landslide Incident Occurred at Komila Bypass RD K0+035	
107.	16.04.23	CCECC/PAK/DASUFIELD/RAR-01/HSE/23-009	Incident Investigation Report & RCA of the Incident Occurred at K0+400 RAR-01	
108.	15.04.23	CCECC/PAK/DASUFIELD/RAR-01/WR/23-010	Submission of Weekly Progress Reports (31st march- 13th April 2023)	
109.	16.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-032	Occurrence of Land sliding at Komila bypass from K0+035 to K0+125 Notice of Contractors Intent to Claim Extension of time and Cost	
110.	18.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-033	Request for Issuance of Detailed Design for the Slide Area at Komia bypass K0+035 to K0+125	
111.	19.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-034	Request for Solutions of Pending Issues of KOMILA	
112.	17.04.23	CCECC/PAK/DASUFIELD/RAR-01/23-035	Extension of Time for Completion No. 04	
2.2. Dasu-RAR-02				
Dasu-Office				
113.	02.04.23	CGGC/RAR-02/ED/DHC-573	Layout Plan of Kandia K35+600 Camp	
114.	01.04.23	CGGC/RAR-02/ED/DHC-574	Method Statement of Embankment Formation from Hard Rock and Grouted Rip Rap	
115.	01.04.23	CGGC/RAR-02/ED/DHC-575	Submission of Method Statement of Slope Support	
116.	02.04.23	CGGC/RAR-02/ED/DHC-576	Kandia K37+700 Work Hindrance (1600)	
117.	02.04.23	CGGC/RAR-02/ED/DHC-577	Construction at the K12 +061-K12+600 Area	
118.	02.04.23	CGGC/RAR-02/ED/DHC-578	Report about Dasu Road Blocked by Slop Collapse	
119.	04.04.23	CGGC/RAR-02/ED/DHC-579	Blasting Plan in Next Week of RAR-02 (2023.04.03-2023.04.09)	
120.	04.04.23	CGGC/RAR-02/ED/DHC-580	-Notice of Work Stoppage by Locals at Gayal Work Area (K27-K30)	
121.	04.04.23	CGGC/RAR-02/ED/DHC-581	Weekly Progress Report of RAR-02 (2023.03.27-2023.04.02)	
122.	06.04.23	CGGC/RAR-02/ED/DHC-584	Obstacles at K20 Access Road Doga	
123.	07.04.23	CGGC/RAR-02/GD/DHC-582	Notification of Change of Office Address and Contractor Number	
124.	06.04.23	CGGC/RAR-02/ED/DHC-583	Monthly Progress Report	
125.	08.04.23	CGGC/RAR-02/HRD/DHC-585	Submission of Staff Information List	
126.	09.04.23	CGGC/RAR-02/HRD/DHC-586	Visa Invitation Letter Reminder	
127.	10.04.23	CGGC/RAR-02/ED/DHC-587	Letter of Stoppage (K12+061- K14+000)	
128.	11.04.23	CGGC/RAR-02/ED/DHC-588	Blasting Plan in Next Week	
129.	11.04.23	CGGC/RAR-02/ED/DHC-589	Weekly Progress Report	
130.	12.04.23	CGGC/RAR-02/PD/DHC-590	Submission of Explosive Record to the Engineer	
131.	14.04.23	CGGC/RAR-02/ED/DHC-591	Kandia K33+580 Work Stoppage	
132.	15.04.23	CGGC/RAR-02/CD/DHC-592	Cable River Crossing System at Km 20+590	
133.	14.04.23	CGGC/RAR-02/HRD/DHC-593	Apply for Approval of Environmental Officer	
134.	16.04.23	CGGC/RAR-02/HRD/DHC-594	Reply to the Adversr Impacts of Construction Activities on School	
135.	20.04.23	CGGC/RAR-02/PD/DHC-595	Submission of Explosives Record to the Engineer	
136.	20.04.23	CGGC/RAR-02/ED/DHC-596	Reporting Date	
137.	21.04.23	CGGC/RAR-02/ED/DHC-597	Weekly Progress Report of RAR-02(23.04.10-23.04.16)	
138.	21.04.23	CGGC/RAR-02/ED/DHC-598	Blasting Plan Next Week of RAR-02(23.04.17-23.04.23)	
139.	21.04.23	CGGC/RAR-02/HSED/DHC-599	Submission of the Monthly OHS Report in March 2023 (RAR-02)	
140.	21.04.23	CGGC/RAR-02/HSED/DHC-600	Submission of the Monthly Environment Report in March 2023	
141.	22.04.23	CGGC/RAR-02/ED/DHC-601	Revised Base Line Schedule Revision-03	
142.	23.04.23	CGGC/RAR-02/ED/DHC-602	Reply to Low Progress Rate	
143.	26.04.23	CGGC/RAR-02/ED/DHC-603	Blasting Plan in Next Week of RAR-02 (2023.04.24-2023.04.30)	
144.	26.04.23	CGGC/RAR-02/ED/DHC-604	Weekly Progress Report (2023.04.17 -2023.04.23)	
145.	29.04.23	CGGC/RAR-02/ED/DHC-605	Reply to Access Road Blockage Claims to K12+060-K14+000	
146.	29.04.23	CGGC/RAR-02/ED/DHC-606	Layout Plan of Dogah Camp	
2.3. Dasu-KKH-01				
Dasu Office				
147.	01.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-065	Local Land Owners of Shaal Area not Allowing the Contractor to Delegate Outside Skilled Workers at K2+000 around Area at KKH-01	
148.	01.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-063	Approval of Uchar Concrete Mixing Plants Type HZS6Q Manufactured by " Shantui Janeoo Machinery Co.Ltd China " In the Scope of (KKH-01) Works	
149.	05.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-062	Submission of Materials Storage	
150.	03.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-066	OSH KPI March 2023	
151.	03.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-067	Initial Incident Report No 53	
152.	04.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-068	Fortnightly Explosive Record, 16-31 March 2023	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [4/16]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
153.	04.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-70	Initial Incident Report No 55	
154.	05.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-71	Initial Incident Report No 56 Fatality of a Private Person at K6	
155.	06.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-066	Approval of Sub Base Class-B Material Located at Khushee bypass Near CGGC Camp	
156.	05.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-069	Lists of Expatriate and National Staff Employees & Workers	
157.	04.04.23	CCECC/PAK/DADUFIELD/KKH-01/WR-23-296	Submission of Weekly Progress Report (20th March to 2nd April 2023)	
158.	08.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-067	Submission of Interim Payment Application- IPA33	
159.	08.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-068	Uchar Camp Backfilling and Slope Protection Approved Drawings	
160.	08.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-069	Monthly Progress Report for March 2023	
161.	09.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-072	Local People Interruption in Construction Activities at Zero Section KKH-01	
162.	10.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-030	Required Security Personnel for New Chinese Camps at Dasu HPP	
163.	11.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-070	Request in Connection with Extension of Advance Payment Guarantee of VO-005 Increased Contract Amount	
164.	12.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-071	On the Matter of all Risk Insurance	
165.	10.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-073	Monthly OHS Monitoring Report # 87 March 2023	
166.	10.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-074	Revised Monthly EHS Report No.85 January 2023	
167.	11.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-075	Monthly EHS Monitoring Report & 87 March 2023	
168.	13.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-072	Resubmission of Sedimentation Tank MS for Uchar and K6 Batching Plant	
169.	13.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-073	Stoppage of Construction Activities by Local Peoples at K3 Tunnel Outlet	
170.	13.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-076	7th Quarter Environmental Monitoring Plan and Tentative Schedule	
171.	14.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-077	Final Warning on Unsafe & Excessive Storage of Explosive Material in and Unauthorized Warehouse at K4	
172.	14.04.23	CCECC/PAK/DADUFIELD/KKH-01/WR-297	Weekly Progress Report (03 to 09th April 2023)	
173.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-074	Testing of Cement (Fauji Lac)	
174.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-075	Testing of Deformed Steel Bars	
175.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-076	Testing of Rock Bolt Steel Nut and Steel Plate	
176.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-077	Testing of Sika Products	
177.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-078	Testing of Geotextile and Rubber Water Stopper- Beijing Oriental Yuhong Waterproof Technology	
178.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-079	Schedule for Third Party Testing of Jointly Sampled	
179.	14.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-078	Washing of Concrete Transit Mixer in Choochang Nullah	
180.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-079	Submission of Equipment and Machinery Inspection Record (Item No. 217)	
181.	16.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-081	Construction Plan for KKH-01 & RAR-01 During Eid Holidays (21st April 2023 to 25th April 2023)	
182.	16.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-082	Stoppage of Construction Activities by Local Peoples at K3 Tunnel Outlet	
183.	16.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-083	Possibilities of damages to DHPP other contractor's facilities at Uchar Nullah	
184.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-084	Reminder No. 1 - Resubmission of Baseline Schedule for KKH-01 Contract	
185.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-080	Revised Salary of OHS-HSE Staff	
186.	15.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-081	Environmental Officer CV for Review and Approval	
187.	17.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-082	Weekly Blasting Schedule K4 Tunnel KKH-01	
188.	17.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-083	Fortnightly Explosive Records, 1-15 April 2023	
189.	17.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-085	Extension of Time for Completion No. 03 for KKH-01 - V0-005 Tunnels & Bridges	
190.	18.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-086	Locals Digging Excavating Sand at Slopes along Khoshe Access to Choochang Colony	
191.	18.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-087	On the Matter of Security Deployment at KKH-01 Camps	
192.	18.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-088	Reply to Engineer's Invitation for Variation Works of Slope Protection for Access Road at RV Sites	
193.	19.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-089	Inundation of Existing Karakoram Highway at Uchar Nallah	
194.	19.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-090	Notice of Hindrance and Delays by Landslides and Activities of KKH-02 Contractor at Kaigah	
195.	18.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-084	Request for Closure of NCR 09	
196.	18.04.23	CCECC/PAK/DADUFIELD/KKH-01/23-091	Resubmission of Bill of Quantities and Cost Breakdown of Uchar Camp Backfilling and Protection Wall	
197.	30.04.23	CCECC/PAK/DADUFIELD/KKH-01/HSE-23-085	Initial Incident Report #57, (FA CASE)	
2.4. Dasu-KKH-02				
Dasu Office				
198.	02.04.23	CGGC/KKH-02/ED/DHC-454	Requested for EL-07 Renewal from DC Office	
199.	03.04.23	CGGC/KKH-02/TD/DHC-455	Submission of Access Road Layout Plans and Estimated Work Quantities for the Varied 8	
200.	04.04.23	CGGC/KKH-02/ED/DHC-456	Weekly Progress Report (2023.03.27 -2023.04.02)	
201.	04.04.23	CGGC/KKH-02/ED/DHC-457	Blasting Plan in Next Week of KKH-02 (2023.04.03-2023.04.09)	
202.	04.04.23	CGGC/KKH-02/TD/DHC-458	Request for Modification of Inlet Location for Laachi Tunnel	
203.	04.04.23	CGGC/KKH-02/TD/DHC-459	Request for Approval of 4 Nos. Bridges' Preliminary Design Proposals	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [5/16]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
204.	04.04.23	CGGC/KKH-02/HSED/DHC-460	Request for Recommendation Letter for Issuance of NOC-Authorization for Transportation of Explosives	
205.	06.04.23	CGGC/KKH-02/CD/DHC-462	Notice of Claim - Lower Work Efficiency on Site During Ramadan Due to Road Closure	
206.	06.04.23	CGGC/KKH-02/HSED/DHC-463	List of Authorized Vehicles for Transportation of Explosives	
207.	06.04.23	CGGC/KKH-02/HSED/DHC-464	Delegation of Power as Executive Manager for KKH-02	
208.	07.04.23	CGGC/KKH-02/GD/DHC-461	Notification of Change of Office Address and Contractors Number	
209.	07.04.23	CGGC/KKH-02/CD/DHC-465	Submission of Preparatory Works Cost Breakdown of KKH-02-VO-002	
210.	08.04.23	CGGC/KKH-02/HRD/DHC-466	Submission of Staff Information List	
211.	08.04.23	CGGC/KKH-02/HSED/DHC-467	Closure of NCR-01	
212.	10.04.23	CGGC/KKH-02/HSED/DHC-468	Request for FC Arrangement at Looter Camp	
213.	10.04.23	CGGC/KKH-02/HSED/WAP DA-10	Request to Install the Communication System at Looter Area	
214.	11.04.23	CGGC/KKH-02/HSED/DHC-469	Submission of Initial Incident Flash Report	
215.	11.04.23	CGGC/KKH-02/ED/DHC-470	Blasting Plan in Next Week	
216.	11.04.23	CGGC/KKH-02/ED/DHC-471	Weekly Progress Report	
217.	11.04.23	CGGC/KKH-02/TD/DHC-472	Request for Approval of Plan and Profile Drawings of Varied Tunnels and Bridges	
218.	13.04.23	CGGC/KKH-02/CD/DHC-473	Record for Impediment During Construction Activates at Various Sites	
219.	14.04.23	CGGC/KKH-02/ED/WADA-11	Letter on Application for Extension of KKH-02 Standard Explosive Deport Transportation Certificate	
220.	14.04.23	CGGC/KKH-02/CD/DHC-474	Apply for Approval of Environmental Officer	
221.	19.04.23	CGGC/KKH-02/ED/DHC-475	Weekly Progress Report (10.04.2023-16.01.23)	
222.	19.04.23	CGGC/KKH-02/ED/DHC-476	Blasting Plan in Next Week of KKH-02(23.04.17-23.04.23)	
223.	18.04.23	CGGC/KKH-02/TD/DHC-477	Re-Submission of Contract Programme of KKH-02	
224.	19.04.23	CGGC/KKH-02/HSED/DHC-478	Submission of Monthly Progress Report March 2023	
225.	19.04.23	CGGC/KKH-02/ED/DHC-479	Monthly Progress Report	
226.	21.04.23	CGGC/KKH-02/CD/DHC-480	Reply to The Engineer's Instruction for the Execution	
227.	20.04.23	CGGC/KKH-02/ED/DHC-481	Submission of Presentation for Work Progress Meetings With the World Bank	
228.	26.04.23	CGGC/KKH-02/ED/DHC-482	Blasting Plan in Next Week of KKH-02(23.04.24-23.04.30)	
229.	26.04.23	CGGC/KKH-02/ED/DHC-483	Weekly Progress Report (17.04.23.23.04.23)	
230.	26.04.23	CGGC/KKH-02/PD/DHC-484	Explosives Record	
231.	28.04.23	CGGC/KKH-02/FD/DHC-485	Request for the Payment of 6# Interim Payment Certificate	
232.	28.04.23	CGGC/KKH-02/CD/DHC-486	Provision of PPE for the Engineer	
233.	28.04.23	CGGC/KKH-02/HSED/DHC-487	Traffic Closure Schedules for Existing KKH	
234.	29.04.23	CGGC/KKH-02/CD/DHC-488	Record for Impediment During Construction Activities at Various Sites	
235.	29.04.23	CGGC/KKH-02/CD/DHC-489	Report on the Delay in Land Handover	
236.	30.04.23	CGGC/KKH-02/ED/WADA-12	Provision of Recommendation Letter for Explosives License in form EL-03	
2.5. Dasu-TL-01				
Dasu Office				
237.	03.04.23	PC/Dasusite/TL-01/2023-057	Data List of In-Migrants Pak Workforce & Daily Wagers Data for the Month of March , 2023	
238.	03.04.23	PC/Dasusite/TL-01/2023-058	Submission of List of Vehicles for the Month of March ,2023	
239.	03.04.23	PC/Dasusite/TL-01/2023-059	Row Issue on T-141 to T143	
240.	04.04.23	PC/Dasusite/TL-01/2023-060	Submission of Weekly Progress Report	
241.	05.04.23	PC/Dasusite/TL-01/2023-061	Notice to Claim- Idle Resources due to Stoppage of work by Land Owners	
242.	05.04.23	PC/Dasusite/TL-01/2023-062	Submission of Monthly Progress Report for March,2023	
243.	05.04.23	PC/Dasusite/TL-01/2023-063	Submission of Monthly Environment Health & safety Report for March	
244.	06.04.23	PC/Dasusite/TL-01/2023-064	Submission of Extended Advance Payment Guarantee.	
245.	11.04.23	PC/Dasusite/TL-01/2023-065	Submission of Weekly Progress Report	
246.	12.04.23	PC/Dasusite/TL-01/2023-066	Submission of Rectification Report on NCR- Failure to Install Fence and Stop Unauthorized Entry at Grid Station	
247.	14.04.23	PC/Dasusite/TL-01/2023-067	Request for Legal Action Against Land Owner at Grid Station	
248.	18.04.23	PC/Dasusite/TL-01/2023-068	Submission of Rectification Report of Walk Through Joint Environmental Inspection	
249.	18.04.23	PC/Dasusite/TL-01/2023-069	Submission of Weekly Progress Report	
2.6. Dasu-MW-01				
Dasu-Office				
250.	01.04.23	CGGC/MW-01/HSED/DHC-2935	Initial Incident Report at 1#Crushing Plant	
251.	01.04.23	CGGC/MW-01/FD/DHC-2936	Request for the Payment of 36# Interim Payment Certificate	
252.	01.04.23	CGGC/MW-01/TD/DHC-2943	Submission of Method Statement of Excavation and Support of Left and Right Banks Cable Crane Platforms	
253.	01.04.23	CGGC/MW-01/CD/DHC-2942	Updated Submission of 2nd Interim Claim	
254.	01.04.23	CGGC/MW-01/CD/DHC-2938	Commercial Proposal for VO-009A-7 .Temporary Causeway to Cross Uchar Nullah	
255.	02.04.23	CGGC/MW-01/TD/DHC-2939	The Plan of the Material Testing in Third -Party in March and April	
256.	02.04.23	CGGC/MW-01/CD/DHC-2941	Time Period Related to Prolongation Cost Claim	
257.	02.04.23	CGGC/MW-01/ED/DHC-2940	Reply to Land Handover of KASS Remained Area	
258.	02.04.23	CGGC/MW-01/ED/DHC-2944	Blasting Plan in Next Week	
259.	02.04.23	CGGC/MW-01/ED/DHC-2945	Report about Dasu Road Blocked by Slop Collapse	
260.	03.04.23	CGGC/MW-01/ED/DHC-2946	Letter on the Construction of the Uchar Nullah Temporary Causeway Facilities	
261.	03.04.23	CGGC/MW-01/HRD/DHC-2947	Submission of Foreigners Staff Information List	
262.	03.04.23	CGGC/MW-01/CD/DHC-2948	Replacement of Substandard Items at KASS Camp	
263.	03.04.23	CGGC/MW-01/HSED/DHC-2949	Rectification Actions of 1# Crushing Plant	
264.	04.04.23	CGGC/MW-01/HSED/DHC-2950	Fire Accident in Warehouse at Barseen Camp	
265.	06.04.23	CGGC/MW-01/ED/DHC-2951	Weekly Progress Report of MW-01	
266.	06.04.23	CGGC/MW-01/ED/DHC-2952	Report on the Delay in Land Handover	
267.	06.04.23	CGGC/MW-01/HSED/DHC-2954	Major Safety Hazard of Koshee and Uchar FC Camp	
268.	06.04.23	CGGC/MW-01/EMD/DHC-2953	Submission of the Inspection Reports of Guide Frames Below EL.790.4m for Division Tunnel A (HSS)	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [6/16]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
269.	07.04.23	CGGC/MW-01/CD/DHC-2955	-Extension of CAR and Third-Party Insurance Policy	
270.	08.04.23	CGGC/MW-01/HRD/DHC-2956	Submission of Staff Information List	
271.	08.04.23	CGGC/MW-01/TD/DHC-2957	Submission of the Design Drawing and Calculation of Protective Retaining Wall at the Upper Inlet of LBTTD	
272.	08.04.23	CGGC/MW-01/ED/DHC-2958	Report about Demolish of Inlet and Outlet Dyke of DTA	
273.	09.04.23	CGGC/MW-01/ED/DHC-2959	Blasting Plan in Next Week	
274.	09.04.23	CGGC/MW-01/HSED/DHC-2961	Car Accident at LBTT Outlet	
275.	10.04.23	CGGC/MW-01/HSED/DHC-2960	Proposal of Construction for PG-3 and PG-6 Plug Concrete of Diversion Tunnel Adit Tunnel	
276.	10.04.23	CGGC/MW-01/TD/DHC-2962	Submit the Mix Trials Test Result of C40 Shotcrete	
277.	10.04.23	CGGC/MW-01/TD/DHC-2963	Propose for the Use of Permanent Formwork in the Concrete Pouring at Upstream Starter Dam	
278.	12.04.23	CGGC/MW-01/PD/DHC-2964	Submission of Explosive Record to the Engineer	
279.	12.04.23	CGGC/MW-01/TD/DHC-2965	The Proposal to Excavate of the Diversion Tunnel A# Outlet	
280.	12.04.23	CGGC/MW-01/TD/DHC-2966	The Construction of the Weepholes in the DT-A Concrete Lining Section	
281.	12.04.23	CGGC/MW-01/ED/DHC-2967	Report Letter about No Illumination Inside Right Bank Bypass Tunnel	
282.	13.04.23	CGGC/MW-01/ED/DHC-2968	Weekly Progress Report	
283.	16.04.23	CGGC/MW-01/ED/DHC-2969	Monthly Progress Report MW-01	
284.	18.04.23	CGGC/MW-01/CD/DHC-2970	Non-adjustable Portion of the Contract Price	
285.	19.04.23	CGGC/MW-01/ED/DHC-2971	Letter on Washout of Temporary Road in Uchar Nullah	
286.	18.04.23	CGGC/MW-01/ED/DHC-2972	Weekly Progress Report of MW-01 (2023.04.10-2023.04.16)	
287.	19.04.23	CGGC/MW-01/CD/DHC-2973	Extension of CAR and Third-Party Insurance Policy	
288.	21.04.23	CGGC/MW-01/TD/DHC-2974	Submission of the Method Statement for the Excavation of the Debris at the Siglo Nullah Outlet	
289.	19.04.23	CGGC/MW-01/TD/DHC-2975	Submission of DASU HPP 2023 Emergency for Over-standard Flood and Flood Control Method Statement	
290.	20.04.23	CGGC/MW-01/CD/DHC-2976	Disbursement Schedule	
291.	20.04.23	CGGC/MW-01/TD/DHC-2977	Submission of the Proposal for Pavement Pouring of the Left Bank Traffic Diversion Tunnel	
292.	20.04.23	CGGC/MW-01/PD/DHC-2978	Submission of Explosive Record to the Engineer	
293.	21.04.23	CGGC/MW-01/TD/DHC-2979	Reply to Investigation of Kaigah Quarry	
294.	19.04.23	CGGC/MW-01/TD/DHC-2980	Letter on Road Interruption Caused by Rockfall on KKH Road Slope	
295.	19.04.23	CGGC/MW-01/HSED/DHC-2981	Closeouts of the Walk through Environmental Inspection- Joint Site Inspection of WAPDA and DHC	
296.	19.04.23	CGGC/MW-01/HSED/DHC-2982	Initial Incident Report at Uchar Crushing Plant	
297.	19.04.23	CGGC/MW-01/HSED/DHC-2983	Submission of the Monthly Environment Report in March 2023 for MW-01	
298.	19.04.23	CGGC/MW-01/HSED/DHC-2984	Closeouts of Observation Raised during Joint Inspection of the Engineer and DHC OHS Professional	
299.	23.04.23	CGGC/MW-01/ED/DHC-2985	Blasting Plan in Next Week of MW-01 (2023.04.24-2023.04.30)	
300.	23.04.23	CGGC/MW-01/TD/DHC-2986	The Proposal to Payment for Debris Cleaning at Siglo Nullah Outlet	
301.	24.04.23	CGGC/MW-01/CD/DHC-2987	Claim for Additional Cost and Extension of Time due to Delay in Land Handing Over	
302.	24.04.23	CGGC/MW-01/HSED/DHC-2988	Initial Incident Report at Siglo	
303.	25.04.23	CGGC/MW-01/TD/DHC-2989	Clarification of the Follow-up Process and Plan Related to the River Diversion	
304.	26.04.23	CGGC/MW-01/PD/DHC-2990	NOC for Armoured Vehicles	
305.	25.04.23	CGGC/MW-01/ED/DHC-2991	Weekly Progress Report of MW-01 (2023.04.17-2023.04.23)	
306.	27.04.23	CGGC/MW-01/CD/DHC-2992	Commercial Proposal for VO-009A-8 Additional Works of Upstream Starter Dam at First Stage	
307.	27.04.23	CGGC/MW-01/ED/DHC-2993	Closure of NCR CGGC/MW-01/Env/23-01	
308.	27.04.23	CGGC/MW-01/ED/DHC-2994	Submission of the Monthly OHS Report in March 2023	
309.	27.04.23	CGGC/MW-01/CD/DHC-2995	Submission of the Statement Application for IPC -38	
310.	27.04.23	CGGC/MW-01/ED/DHC-2996	Letter on the Obstruction of 2# Batching Plant in Siglo Area	
311.	27.04.23	CGGC/MW-01/CD/DHC-2997	Cover Note for the Extension of CAR and third -Party Insurance	
312.	28.04.23	CGGC/MW-01/TD/DHC-2999	Reply of Urgent Procurement Steel H-Beam and Container for Phase I Temporary Causeway Crossing Uchar Nullah	
313.	30.04.23	CGGC/MW-01/TD/DHC-3000	Letter on Clarifying the Travel Expenses During the Third-Party Test Process	
314.	30.04.23	CGGC/MW-01/ED/DHC-3001	Blasting Plan in Next Week	
2.7. Dasu-MW-02				
Dasu-Office				
315.	01.04.23	CGGC/MW-02/FD/DHC-2127	Request for the Payment of 36# Interim Payment Certificate	
316.	01.04.23	CGGC/MW-02/TD/DHC-2128	Submission of the Updated Contract Programme R5-D13	
317.	01.04.23	CGGC/MW-02/TD/DHC-2129	Updated Submission of 2nd Interim Claim	
318.	02.04.23	CGGC/MW-02/TD/DHC-2130	The Plan of the Material Testing in Third - Party in March and April	
319.	02.04.23	CGGC/MW-02/ED/DHC-2131	Blasting Plan	
320.	01.04.23	CGGC/MW-02/ED/DHC-2132	Requested for EL-07 Renewal from DC Office	
321.	02.04.23	CGGC/MW-02/ED/DHC-2133	Report about Dasu Road Blocked by Slop Collapse	
322.	03.04.23	CGGC/MW-02/HSED/DHC-2134	of Contractor's High Voltage Cables Were Cut and Stolen	
323.	05.04.23	CGGC/MW-02/TD/DHC-2135	The Proposal of Grounding Grid Connection for Powerhouse above EL. 760 and Transformer Cavern above EL. 772.5	
324.	05.04.23	CGGC/MW-02/TD/DHC-2136	Submission of the Design Drawing and Calculation of Anchor Head for Hanging Steel Roof of the Powerhouse and Transformer Cavern	
325.	06.04.23	CGGC/MW-02/TD/DHC-2137	The Convergence Measurements Data of MW-02 in March 2023	
326.	06.04.23	CGGC/MW-02/ED/DHC-2138	Weekly Progress Report of MW-02 (2023.03.27-2023.04.02)	
327.	06.04.23	CGGC/MW-02/ED/DHC-2139	Report on the Delay in Land Handover	
328.	06.04.23	CGGC/MW-02/HSED/DHC-2141	Major Safety Hazard of Koshee and Uchar FC Camp	
329.	07.04.23	CGGC/MW-02/GD/DHC-2140	Notification of Change of Office Address and Contractors Number	
330.	07.04.23	CGGC/MW-02/CD/DHC-2142	Extension of CAR and Third-Party Insurance Policy	
331.	08.04.23	CGGC/MW-02/HRD/DHC-2143	Submission of Staff Information List	
332.	09.04.23	CGGC/MW-02/ED/DHC-2144	Blasting Plan	
333.	10.04.23	CGGC/MW-02/TD/DHC-2145	Submit the Mix Trials Test Result of C40 Shotcrete	
334.	12.04.23	CGGC/MW-02/PD/DHC-2146	Submission of Explosive Record to the Engineer	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [7/16]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
335.	13.04.23	CGGC/MW-02/ED/DHC-2147	Weekly Progress Report	
336.	14.04.23	CGGC/MW-02/ED/WAPDA-39	Letter on Application for Extension of MW-02 Standard Explosive Depot Transportation Certificate	
337.	14.04.23	CGGC/MW-02/HRD/DHC-2148	Apply for Approval of Environmental Officer	
338.	16.04.23	CGGC/MW-02/ED/DHC-2149	Monthly Progress Report MW-02	
339.	18.04.23	CGGC/MW-02/CD/DHC-2150	Non-adjustable Portion of the Contract Price	
340.	19.04.23	CGGC/MW-02/CD/DHC-2151	Letter on Washout of Temporary Road in Uchar Nullah	
341.	18.04.23	CGGC/MW-02/ED/DHC-2152	Weekly Progress Report	
342.	19.04.23	CGGC/MW-02/CD/DHC-2153	Extension of CAR and Third-Party Insurance Policy	
343.	20.04.23	CGGC/MW-02/TD/DHC-2154	Submission of the Stability Calculation of Protective Retaining Wall at the Power Intake EL.873	
344.	19.04.23	CGGC/MW-02/TD/DHC-2155	Submission of DASU HPP 2023 Emergency for Over-standard Flood and Flood Control Method Statement	
345.	20.04.23	CGGC/MW-02/CD/DHC-2156	Disbursement Schedule	
346.	20.04.23	CGGC/MW-02/CD/DHC-2157	Submission of Explosive Record to the Engineer	
347.	19.04.23	CGGC/MW-02/ED/DHC-2158	Letter on Road Interruption Caused by Rockfall on KKH Road Slope	
348.	19.04.23	CGGC/MW-02/HSED/DHC-2159	Submission of the Monthly Environment Report in March 2023	
349.	23.04.23	CGGC/MW-02/ED/DHC-2160	Blasting Plan	
350.	24.04.23	CGGC/MW-02/CD/DHC-2161	Claim for Additional Cost and EoT due to Delay in Land Handing Over	
351.	26.04.23	CGGC/MW-02/PD/DHC-2162	NOC for Armoured Vehicles	
352.	25.04.23	CGGC/MW-02/TD/DHC-2163	Weekly Progress Report (2023.04.17-2023.04.23)	
353.	27.04.23	CGGC/MW-02/HSED/DHC-2164	Closure of NCR CGGC	
354.	27.04.23	CGGC/MW-02/HSED/DHC-2165	Submission of the Monthly OHS Report in March 2023	
355.	27.04.23	CGGC/MW-02/CD/DHC-2167	Cove Note for the Extension of CAR and Third -Party Insurance	
356.	30.04.23	CGGC/MW-02/TD/DHC-2168	Letter on Clarifying Travel Expenses During Third - Party Test Process	
357.	30.04.23	CGGC/MW-02/ED/DHC-2171	Blasting Plan	
358.	30.04.23	CGGC/MW-02/ED/DHC-2172	Report about Access Road Interference in Switchyard Area	
2.8. Dasu-LBRV-11				
Dasu-Office				
359.	12.04.23	ZEGL/WAPDA/LBRV-11/23-02	Request for Payment of IPC No.13	
360.	04.04.23	ZEGL/DHC/LBRV-11/23-006	Submission of Interim Payment Application (IPA No.13)	
361.	14.04.23	ZEGL/DHC/LBRV-11/23-007	Submission of Remaining Cost of Head Office Expenses	
2.9. Dasu-LBRV-12				
Dasu-Office				
362.	14.04.23	ZEGL/DHC/LBRV-12/23-006	Submission of Remaining Cost of Head Office Expenses for the Period from July 2021 to Dec 2021	
2.10. PCI-01R				
Dasu- Office				
363.	01.04.23	CGICOP-Dasu-PCI-01R-PO-1702	Timing During Ramadan in 2 Shifts	
364.	01.04.23	CGICOP-Dasu-PCI-01R-PO-1703	Submission of Cost Approval for CCTV Cameras Supply & Installation in Colony	
365.	03.04.23	CGICOP-Dasu-PCI-01R-PO-1704	Response to Slow Progress and Submission of Quotation , P& ID and Supplier Profile for Water Treatment plant of Main Water Supply from Indus River	
366.	05.04.23	CGICOP-Dasu-PCI-01R-PO-1705	Submission of Revised Programme as per Approval of EoT-1 following Engineers Comments	
367.	05.04.23	CGICOP-Dasu-PCI-01R-PO-1706	Delay in Possession of Site due to Local House within the Limit of the Project Colony Boundary Wall	
368.	05.04.23	CGICOP-Dasu-PCI-01R-PO-1707	Submission of Additional Work Cost for Supply & Installation of Urinal Glass Partition in Project Office Building	
369.	06.04.23	CGICOP-Dasu-PCI-01R-PO-1708	Extension of Advance Payment Guarantee# IGT08740323918PK	
370.	06.04.23	CGICOP-Dasu-PCI-01R-PO-1709	Request to Release Payment of Retention Money against Bank Guarantee	
371.	06.04.23	CGICOP-Dasu-PCI-01R-PO-1710	Request for Payment IPC No.39	
372.	05.04.23	CGICOP-Dasu-PCI-01R-PO-1711	Request for Sample Approval of (LED Bulb)	
373.	06.04.23	CGICOP-Dasu-PCI-01R-PO-1712	Request for Data Sheet Approval of (10 Pair Telephone Cable Pctl Standard)	
374.	08.04.23	CGICOP-Dasu-PCI-01R-PO-1713	Monthly Progress Report for the Month of March 2023	
375.	08.04.23	CGICOP-Dasu-PCI-01R-PO-1714	Submission of Interim Payment Application # 40	
376.	10.04.23	CGICOP-Dasu-PCI-01R-PO-1715	Delay in Provision of Engineers Instruction & Design for Aluminum Doors at Emergency Entrances	
377.	10.04.23	CGICOP-Dasu-PCI-01R-PO-1716	Clarification of the M.S Privacy Fence Railing at First Floor Backside Open Terrace of the Residence Category-1 Buildings	
378.	10.04.23	CGICOP-Dasu-PCI-01R-PO-1717	Notice for Delay in Issuance Instructions for Skirting Around External Walls of The Residences Buildings	
379.	10.04.23	CGICOP-Dasu-PCI-01R-PO-1719	Request for Swap of UPVC with HPPE Pipe and HDPE Pipe Manufacturers Approval	
380.	11.04.23	CGICOP-Dasu-PCI-01R-PO-1718	Submission of Variation Order # 48 for supply & Installation of Additional Distribution Board at First Floors	
381.	13.04.23	CGICOP-Dasu-PCI-01R-PO-1720	Notice for Delay in Issuance of Rain Water Drainage System of the Hostel Category-2A 2B & B Building	
382.	13.04.23	CGICOP-Dasu-PCI-01R-PO-1721	Notice for Delay in Issuance of Rain Water Drainage System & Paved Area of the Community Center Buildings	
383.	13.04.23	CGICOP-Dasu-PCI-01R-PO-1722	Notice for Delay in Approval of S1A Road Shop Drawings	
384.	13.04.23	CGICOP-Dasu-PCI-01R-PO-1723	Monthly Report for Dec 2022 Jan Feb and Mar 2023 of Basic Health Clinic	
385.	15.04.2	CGICOP-Dasu-PCI-01R-PO-1724	Request for Approval of DBs Manufacturer Drawings and Component's Detail (Residence Cat-3, Cat-4 and Community Center)	
386.	27.04.2	CGICOP-Dasu-PCI-01R-PO-1725	Submission of Annual Emergency Drill Plan of CGICOP 2023	
2.11 Dasu RV				
Dasu Office				
387.	04.04.23	KGL/Dasu-RV/23-038	Varied Works for Pumping Sewerage for Project Colony	
388.	13.04.23	KGL/Dasu-RV/23-040	Withheld Amount Due to Failure with GC Sub Clause 26.3	

**Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)**

Appendix E [8/16]

Sr. No	Receiving Date	Letter No.	Subject	Remarks
389.	14.04.23	KGL/Dasu-RV/23-041	Eid Ul Fitr Leaves	
2.13 Dasu EM-01				
Dasu Office				
390.	01.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0104	-Reply to Addition of Suppliers to the Agreed Schedule T-4	
391.	02.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0105	Proposal for Guide Bearing With Main Shaft and Shaft Seal Pre-Assembly at Workshop	
392.	03.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0103	Follow Up Response to Contractor's Commercial Letters (as of 31 March 2023)	
393.	03.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0106	Submission of Revised Material Change Request	
394.	06.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0107	Submission of Drawings for Watch Tower Platform at EM-01 Camp Site	
395.	07.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0108	Submission of Drawings Double Story Buildings EM-01 Camp Site	
396.	10.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0112	Dasu Generator FE Calculation Report of Stator Frame Upper Bracket Generator Load on Foundation for Approval	
397.	10.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0113	Building Structure Report	
398.	10.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0114	Ensure OHS Compliance While Working at Higher Elevations	
399.	11.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0115	Follow Up Response to Constitution of Dispute Board	
400.	12.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0110	Labor Cost Index in Contract Price Adjustment of Warsak and Mangla	
401.	11.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0116	Claim Additional Payment for February 2023	
402.	12.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0117	Claim Additional Payment for December 2022-Temporary Storage Cost at Ghazi Barotha	
403.	12.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0118	Dasu Generator Cable List for Approval	
404.	13.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0120	Delayed Approval for Contractors Technical Drawings	
405.	14.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0119	Submission of Transportation Management Plan for Electro Mechanical Equipment	
406.	14.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0111	Communication of Supplier Shaft Seal Pre-Assembly Inspection at Workshop	
407.	14.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0121	Follow Up Response to Contractors Commercial Letters (as of 13th April 2023)	
408.	14.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0122	Employers Witness Schedule for FAT on Unit 4 Stay Ring	
409.	17.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0109	Submission of Cable Specification	
410.	17.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0125	Request for Consent to Subcontract of Unit Dewatering and Drainage Pumps	
411.	17.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0126	Request for Consent to Subcontract of heat exchangers	
412.	17.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0127	Submission of Rectification Report of Walk through Inspection at EM-01 Camp Site	
413.	17.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0128	Dasu EM-01 Monthly Progress Report. March 2023	
414.	27.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-090	Submission of the Revised Master List and Revised Schedules of Prices	
415.	27.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0123	Additional Costs due to Extension of Time for Completion (Interim as of 31st March 2023)	
416.	27.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0124	Request for Consent to Subcontract of Cooling Water Pumps	
417.	27.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0129	Dasu Generator Air Water Cooling System, NDE Bearing Piping Assembly, DE Bearing Piping Assembly , HP Oil System	
418.	27.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0130	Resubmission Governor System Drawing	
419.	27.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0131	Final Claim for Interest Under IPC No-02	
420.	26.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0132	Dasu U3 Shaft Seal Inspection after Pre-Assembly Notification for Inspection (NFI) and Test Program	
421.	26.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0133	Updated Submission of Revised Material Change Request	
422.	26.04.23	Dasu-EM-01-LET-JV-WAPDA-DHC-2023-0134	Submission of Transformer -GIS Carven Arrangement Drawing	

Outgoing Letters from DHC

Sr. No	Date	Letter No.	Subject	Remarks
1. To WAPDA				
1.1. General				
Lahore office				
1.	12.04.23	DHC/LHR/WAPDA/GEN/mkk/23-057	New Address of Dasu Hydropower Consultants (DHC) Lahore Office.	
2.	13.04.23	DHC/LHR/WAPDA/GEN/you/23-058	Request for Approval Khyzer Khan TBN Position Jr Site Engineer (Road-C) Internal Road L70.	
3.	13.04.23	DHC/LHR/WAPDA/GEN/mkk/23-059	Request for Issuance Multiple Entry Visa for Mr Venkata Subbara Nukala	
4.	17.04.23	DHC/LHR/WAPDA/GEN/aiq/23-060	Statement of Reimbursable Expenses of Local Currency Portion for the month of January 2023	
5.	26.04.23	DHC/LHR/WAPDA/GEN/aiq/23-061	Invoice Remuneration Local Currency March 2023	
Dasu office				
6.	01.04.23	DHC/Dasu/WAPDA/GEN/you/23-359	Security Arrangement for Travelling of CGGC Expatriates	
7.	03.04.23	DHC/Dasu/WAPDA/GEN/you/23-360	Security Arrangement for Travelling of CGGC Expatriates	
8.	03.04.23	DHC/Dasu/WAPDA/GEN/you/23-361	Security Arrangement for Travelling of CCECC Expatriates	
9.	03.04.23	DHC/Dasu/WAPDA/GEN/you/23-362	Security Arrangement for Travelling of CCECC Expatriates	
10.	02.04.23	DHC/Dasu/WAPDA/GEN/you/23-363	Police Clearance Certificate of DHC Pakistani Staff	
11.	03.04.23	DHC/Dasu/WAPDA/GEN/nhs/23-364	Handing Taking of Chuchang Resettlement Site-01 (Additional Block)	
12.	04.04.23	DHC/Dasu/WAPDA/GEN/amr/23-365	Application Regarding Self-Managed Relocation (SMR)	
13.	04.04.23	DHC/Dasu/WAPDA/GEN/you/23-366	Revised Security Arrangement for Travelling of CCECC Expatriates	
14.	04.04.23	DHC/Dasu/WAPDA/GEN/myb/23-367	Security Arrangements for Travelling of DHC Expatriate (MR. Yoshiaki Samejima)	
15.	04.04.23	DHC/Dasu/WAPDA/GEN/you/23-368	Security Arrangement for Travelling of CGGC Expatriates	
16.	05.04.23	DHC/Dasu/WAPDA/GEN/jf/23-369	Request to Confirmation Causeway Position Planned at Uchar Nullah	
17.	06.04.23	DHC/Dasu/WAPDA/GEN/you/23-370	Security Arrangement for Travelling of PCCC Expatriates	
18.	06.04.23	DHC/Dasu/WAPDA/GEN/you/23-371	Security Arrangement for Travelling of PCCC Expatriates	
19.	06.04.23	DHC/Dasu/WAPDA/GEN/you/23-372	Arrangement for Travelling of CGGC Expatriates	
20.	06.04.23	DHC/Dasu/WAPDA/GEN/you/23-373	Security Arrangements for Travelling of CCECC Expatriates	
21.	06.04.23	DHC/Dasu/WAPDA/GEN/you/23-374	Revised Security Arrangement for Travelling of PCCC Expatriates	
22.	06.04.23	DHC/Dasu/WAPDA/GEN/you/23-375	Arrangement for Travelling of CGICOP Expatriates	
23.	06.4.03	DHC/Dasu/WAPDA/GEN/you/23-376	Application of Vehicle Owners	
24.	06.04.23	DHC/Dasu/WAPDA/GEN/sad/23-377	Complaint Against Utilization of Un-Acquired land	
25.	07.04.23	DHC/Dasu/WAPDA/GEN/you/23-378	Security Arrangement for Travelling of CGGC Expatriates	
26.	07.04.23	DHC/Dasu/WAPDA/GEN/you/23-379	Security Arrangement for Travelling of GEPC Expatriates	
27.	07.04.23	DHC/Dasu/WAPDA/GEN/Rob/23-380	Religious Leaders Workshop	
28.	07.04.23	DHC/Dasu/WAPDA/GEN/cad/23-381	Revised Reply to Audit Observations- Set 1	
29.	07.04.23	DHC/Dasu/WAPDA/GEN/nhs/23-382	Handing Taking of Chuchang Resettlement Site- 01 (Additional Block)	
30.	09.04.23	DHC/Dasu/WAPDA/GEN/you/23-383	Security Arrangement for Travelling of CGGC Expatriates	
31.	09.04.23	DHC/Dasu/WAPDA/GEN/you/23-384	Security Arrangement for Travelling of CCECC Expatriates	
32.	09.04.23	DHC/Dasu/WAPDA/GEN/you/23-385	Security Arrangement for Travelling of CCECC Expatriates	
33.	10.04.23	DHC/Dasu/WAPDA/GEN/you/23-386	Security Arrangement for Travelling of CGGC Expatriates	
34.	09.04.23	DHC/Dasu/WAPDA/GEN/amr/23-387	Work Stoppage by Locals at KKH-02 (RD K44 K47)	
35.	10.04.23	DHC/Dasu/WAPDA/GEN/sad/23-388	GIS Verification of Land Parcels of Component Kass Disposal Area-1 ,Parts-1 & 2 (File-3)	
36.	10.04.23	DHC/Dasu/WAPDA/GEN/sad/23-389	GIS Verification of Land Parcels of Component Kass Disposal Area-1. Part- 1 (File-1)	
37.	10.04.23	DHC/Dasu/WAPDA/GEN/myb/23-390	Security Arrangements for Travelling of DHC Expatriates (Mr. Batuhan & Selcuk)	
38.	10.04.23	DHC/Dasu/WAPDA/GEN/nhs/23-391	Submission of 95 Commercial Structures Files of Various Villages	
39.	10.04.23	DHC/Dasu/WAPDA/GEN/nhs/23-392	Request for Approval of Funds for Soniwals (Vulnerable Group) Affected due to DHPP	
40.	12.04.23	DHC/Dasu/WAPDA/GEN/you/23-393	Security Arrangement for Travelling of CCECC Expatriates	
41.	12.04.23	DHC/Dasu/WAPDA/GEN/you/23-394	Security Arrangements for travelling of DHC Expatriate (Mr. Hiroshi Ogawa)	
42.	12.04.23	DHC/Dasu/WAPDA/GEN/you/23-395	Security Arrangement for Travelling of CGGC Expatriates	
43.	12.04.23	DHC/Dasu/WAPDA/GEN/amr/23-396	Constitution of the Joint Team	
44.	13.04.23	DHC/Dasu/WAPDA/GEN/amr/23-397	Security Arrangements for travelling of DHC Expatriates(Mr. Naim Karaman & Ali Murat)	
45.	13.04.23	DHC/Dasu/WAPDA/GEN/you/23-398	Security Arrangement for Travelling of CGGC Expatriates	
46.	13.04.23	DHC/Dasu/WAPDA/GEN/amr/23-399	Application Regarding Self-Managed Relocation (SMR)	
47.	14.04.23	DHC/Dasu/WAPDA/GEN/amr/23-400	Request for Release of Teacher Salary and other Cost in the Approved Budget of Skill Development Training in Kuz Chuchang (Pilot Training)	
48.	14.04.23	DHC/Dasu/WAPDA/GEN/nhs/23-401	Applications Regarding Self- Managed Relocation (SMR)	
49.	14.04.23	DHC/Dasu/WAPDA/GEN/Rob/23-402	Request for Approval of Lady Health Visitors' (LHV) Two Years Course) for Women of Kohistan Upper	
50.	15.04.23	DHC/Dasu/WAPDA/GEN/Rob/23-403	Security Arrangements for travelling of DHC Expatriate	
51.	16.04.23	DHC/Dasu/WAPDA/GEN/you/23-404	Security Arrangement for Travelling of CCECC Expatriates	
52.	16.04.23	DHC/Dasu/WAPDA/GEN/you/23-405	Security Arrangement for Travelling of CGGC Expatriates	
53.	16.04.23	DHC/Dasu/WAPDA/GEN/you/23-406	Security Arrangement for Travelling of GEPC Expatriates	
54.	16.04.23	DHC/Dasu/WAPDA/GEN/you/23-407	Security Arrangement for Travelling of PCCC Expatriates	
55.	16.04.23	DHC/Dasu/WAPDA/GEN/you/23-408	Security Arrangement for Travelling of PCCC Expatriates	
56.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-409	Security Arrangements for Travelling of DHC Expatriates (Mr. Tomokai Kitamura)	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [10/16]

Sr. No	Date	Letter No.	Subject	Remarks
57.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-410	Security Arrangements for Travelling of DHC Expatriates (Mr.Shuji Nakata)	
58.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-411	Revised Security Arrangements for Travelling of DHC Expatriates (Mr.hiroshi Ogawa & Hojjat Hossein)	
59.	15.04.23	DHC/Dasu/WAPDA/GEN/hn/23-412	MPR NO.104 for the Month of March 2023 Under Assignment-B	
60.	16.04.23	DHC/Dasu/WAPDA/GEN/zic/23-413	Submission of Materials Transportation Data for the DBDP	
61.	17.04.23	DHC/Dasu/WAPDA/GEN/amr/23-414	Application Regarding Self-Managed Relocation (SMR)	
62.	17.04.23	DHC/Dasu/WAPDA/GEN/rob/23-415	Request for Release of Teacher Salary and Other Cost In the Approved of Skill Development Training in Kuz Chuchang (Pilot Training)	
63.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-416	Security Arrangements for Travelling of DHC Expatriates (Mr.Serkan Harmandar & Mr.Erkan Bozkurt & Mr.Hakan)	
64.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-417	Security Arrangements for Travelling of DHC Expatriates (Mr.Neil Napolen)	
65.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-418	Security Arrangements for Travelling of DHC Expatriates (Mr.Neil White & Mr.Nagura Michiya)	
66.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-419	Security Arrangements for Travelling of DHC Expatriates (Mr.Kato Sadahiro & Mr.Tomoaki Kitamura)	
67.	17.04.23	DHC/Dasu/WAPDA/GEN/myb/23-420	Security Arrangements for Travelling of DHC Expatriates (Mr.Hernandez Juan Carlos & Mr.Burhan Arioiz)	
68.	18.04.23	DHC/Dasu/WAPDA/GEN/amr/23-421	Availability of Land for Access Roads at Various Locations of KKH-02	
69.	19.04.23	DHC/Dasu/WAPDA/GEN/tm/23-422	Request for Approval of Mr.Hisashi IMAI as Replacement of Resident Engineer (Infrastructure Development) (K58)	
70.	19.04.23	DHC/Dasu/WAPDA/GEN/myb/23-423	Security Arrangement for Travelling of DHC Expatriates (Mr.Deepak Kunwar & Mr.Tomoaki Kitamura)	
71.	19.04.23	DHC/Dasu/WAPDA/GEN/nhs/23-424	Payment of Project Allowance to 45 AHHs of Various Villages	
72.	19.04.23	DHC/Dasu/WAPDA/GEN/pls/23-425	Advisor (Project) Tour Note 15-17 March 2023	
73.	26.04.23	DHC/Dasu/WAPDA/GEN/you/23-426	Security Arrangement for Travelling of CCECC Expatriates	
74.	26.04.23	DHC/Dasu/WAPDA/GEN/you/23-427	Security Arrangement for Travelling of CGGC Expatriates	
75.	26.04.23	DHC/Dasu/WAPDA/GEN/you/23-428	Security Arrangement for Travelling of DHC Expatriates (Mr. Tomohaki Kitamura)	
76.	26.04.23	DHC/Dasu/WAPDA/GEN/you/23-429	Security Arrangement for Travelling of DHC Expatriates (Mr.Tomohaki Kitamura)	
77.	27.04.23	DHC/Dasu/WAPDA/GEN/TYO/23-430	DHC BOM Meeting- Request of Meeting with GM and Chairman WAPDA	
78.	27.04.23	DHC/Dasu/WAPDA/GEN/you/23-431	Security Arrangement for Travelling of MSC Expatriates	
79.	27.04.23	DHC/Dasu/WAPDA/GEN/pm/23-432	Request for Approval on Replacement of Board Member (NK)	
80.	28.04.23	DHC/Dasu/WAPDA/GEN/you/23-433	Security Arrangement for Travelling of PCNZ (EM-01) Expatriates	
81.	28.04.23	DHC/Dasu/WAPDA/GEN/you/23-434	Security Arrangement for Travelling of CCECC Expatriates	
82.	28.04.23	DHC/Dasu/WAPDA/GEN/you/23-435	Security Arrangement for Travelling of CCECC Expatriates	
83.	28.04.23	DHC/Dasu/WAPDA/GEN/you/23-436	Security Arrangement for Travelling of CGICOP Expatriates	
84.	28.04.23	DHC/Dasu/WAPDA/GEN/cad/23-437	Inspection of 3x Bullet Proof Buses for Foreigners	
85.	28.04.23	DHC/Dasu/WAPDA/GEN/you/23-438	Security Arrangement for Travelling of CGGC Expatriates	
86.	28.04.23	DHC/Dasu/WAPDA/GEN/you/23-439	Application of vehicle owners (local) Regarding Enhancement of the DHC Rental Vehicles	
87.	28.04.23	DHC/Dasu/WAPDA/GEN/you/23-440	Security Arrangements for travelling of DHC Expatriate (Mr. Neil White)	
1.2. Dasu-RAR-01				
Dasu office				
88.	01.04.23	DHC/Dasu/WAPDA/RAR-01/CAD/23-034	Interim Payment Certificate No # 34	
89.	01.04.23	DHC/Dasu/WAPDA/RAR-01/nak/23-035	Illegal Stoppage by Local at Komila Bypass K1+800	
90.	04.04.23	DHC/Dasu/WAPDA/RAR-01/cad/23-036	Interim Payment Certificate No.34A and 34B	
91.	11.04.23	DHC/Dasu/WAPDA/RAR-01/cad/23-038	Contractor's Interim Costs Claim (Quantification) for On-site Management Overhead Costs during Extended Time (EOT No. 1 and EOT No. 2)	
92.	19.04.23	DHC/Dasu/WAPDA/RAR-01/cad/23-042	Contractor's Interim Costs Claim (Quantification) for On-site Management Overhead Costs (EOT-1 & EOT No.2)	
1.3. Dasu-RAR-02				
Dasu office				
93.	01.04.23	DHC/Dasu/WAPDA/RAR-02/OKK/23-045	Shifting of GPS Gayal Seer	
94.	09.04.23	DHC/Dasu/WAPDA/RAR-02/you/23-049	Visa Invitation Letter	
95.	10.04.23	DHC/Dasu/WAPDA/RAR-02/okk/23-050	Providing Plan & Profile Drawings/Data of Right Approach Road	
96.	10.04.23	DHC/Dasu/WAPDA/RAR-02/zic/23-052	Adverse Impacts of Construction Activities on School Located at GPS Seer Gayal	
1.4. Dasu-KKH-01				
Dasu office				
97.	03.04.23	DHC/Dasu/WAPDA/KKH-01/you/23-121	Requirement of Security Personnel and Submission of Deployment Scheme of Chinese Manpower for Tunnels and Bridge	
98.	05.04.23	DHC/Dasu/WAPDA/KKH-01/OHS/23-123	Recommendation Letter to DC Kohistan for Issuance of Explosive Transportation License (Form EL-07)	
99.	05.04.23	DHC/Dasu/WAPDA/KKH-01/OHS/23-125	Incident Flash Report of CCECC Supplier Worker Fatality	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [11/16]

Sr. No	Date	Letter No.	Subject	Remarks
100.	08.04.23	DHC/Dasu/WAPDA/KKH-01/cad/23-127	Interim Payment Certificate No# 31	
101.	11.04.23	DHC/Dasu/WAPDA/KKH-01/HB/23-130	Local Interruption in Construction Activates at Zero Section	
102.	12.04.23	DHC/Dasu/WAPDA/KKH-01/cad/23-134	Contractors Request for Extension of Advance Payment Guarantee against VO-005 for Increased Contract Amount	
103.	12.04.23	DHC/Dasu/WAPDA/KKH-01/zic/23-135	Provision of Security for Additional Acquired Land Topographic Survey Dated 03-02-2022	
104.	15.04.23	DHC/Dasu/WAPDA/KKH-01/nk/23-142	Schedule for Sample Delivery and Testing at Third Party Laboratories	
105.	27.04.23	DHC/Dasu/WAPDA/KKH-01/hb/23-149	Stoppage of Work by Local Community at K3 Tunnel Outlet	
1.5. Dasu-KKH-02				
Dasu office				
106.	02.04.23	DHC/Dasu/WAPDA/KKH-02/zic/23-088	Request for Issuance of Recommendation Letter for Fuel Storage	
107.	15.04.23	DHC/Dasu/WAPDA/KKH-02/OKK/23-099	Request for FC Arrangement at Looter Camp	
108.	15.04.23	DHC/Dasu/WAPDA/KKH-02/OKK/23-100	Removal of Houses at Access Roads Location	
109.	17.04.23	DHC/Dasu/WAPDA/KKH-02/OKK/23-101	2 Interim Payment Certificate No # 06	
110.	27.04.23	DHC/Dasu/WAPDA/KKH-02/OKK/23-105	Submission of Cost Evaluation Report VO-002	
111.	28.04.23	DHC/Dasu/WAPDA/KKH-02/OKK/23-106	Updated Design of KKH-01 and KKH-02	
1.6. Dasu-TL-01				
Dasu office				
112.	05.04.23	DHC/Dasu/WAPDA/TL-01/mrz/23-042	Row Issue on T-141 to T-143	
113.	11.04.23	DHC/Dasu/WAPDA/TL-01/cad/23-043	Interim Payment Certificate No. 67	
114.	18.04.23	DHC/Dasu/WAPDA/TL-01/cad/23-048	Project Mangers Assessment of the Price Adjustment for Market Inflation	
1.7. Dasu-MW-01				
Dasu Office				
115.	21.03.23	DHC/Dasu/WAPDA/MW-01/AO/23-253	Clarification on the Causeways Planned by NHA	
116.	01.04.23	DHC/Dasu/WAPDA/MW-01/OHS/23-254	Initial Incident Flash Report-Level-4 Fatal Incident	
117.	02.04.23	DHC/Dasu/WAPDA/MW-01/OHS/23-255	Visa Invitation Letter	
118.	03.04.23	DHC/Dasu/WAPDA/MW-01/nk/23-259	Schedule for Construction Materials Sample Delivery and Third Party Laboratory Testing	
119.	04.04.23	DHC/Dasu/WAPDA/MW-01/OHS/23-263	Initial Incident Flash Report-Level-4 Fire Outbreak	
120.	04.04.23	DHC/Dasu/WAPDA/MW-01/zic/23-266	Submission of Utilization Record of Coarse and Fine Aggregate for January 2023	
121.	10.04.23	DHC/Dasu/WAPDA/MW-01/JF/23-282	Request for Prior Acceptance to Purchase Satellite Images of Uchar Catchment	
122.	10.04.23	DHC/Dasu/WAPDA/MW-01/cad/23-285	Status of Aggregate Crushing and Concrete Batching Plants Siglo Area	
123.	11.04.23	DHC/Dasu/WAPDA/MW-01/Ohs/23-289	OHS Inspection Report of FC Accommodations (Uchar and Khushi)	
124.	13.04.23	DHC/Dasu/WAPDA/MW-01/JF/23-296	Request for Providing Further Hydraulic Design Data of Diamer Basha Dam	
125.	13.04.23	DHC/Dasu/WAPDA/MW-01/cad/23-300	MW-01-C-09, Additional Cost due to Change in Legislation	
126.	19.04.23	DHC/Dasu/WAPDA/MW-01/jfcad/23-308	Revised Information on Price of Satellite Images for Uchar Catchment Area	
127.	19.04.23	DHC/Dasu/WAPDA/MW-01/jf/23-309	Request by GMRC for Satellite Images and Digital Elevation Model (DEM)	
128.	26.04.23	DHC/Dasu/WAPDA/MW-01/jf/23-311	The Engineer's Response on IPOE Report of 10th February 2023	
129.	28.04.23	DHC/Dasu/WAPDA/MW-01/jf/23-315	Design Parameter of Dasu HPP Diversion Scheme for DBCG	
130.	28.04.23	DHC/Dasu/WAPDA/MW-01/cad/23-317	Contractor's Claim for COVID-19 - Draft Referral to the Dispute Board under GC Sub-Clause 20.4	
131.	28.04.23	DHC/Dasu/WAPDA/MW-01/cad/23-318	Enhancement of Security of Expatriates (Armoured Vehicles)	
132.	28.04.23	DHC/Dasu/WAPDA/MW-01/shj/23-319	Interim Payment Certificate No # 37 - For the Month of Feb-2023	
133.	28.04.23	DHC/Dasu/WAPDA/MW-01/shj/23-320	Justification for Issuance of Interim Payment Certificate No # 37 (Feb-2023)	
134.	28.04.23	DHC/Dasu/WAPDA/MW-01/Cad/23-321	Claim No. 1 - Engineer's Principle Response to Disruption Costs	
1.8 Dasu-MW-02				
Dasu Office				
135.	05.04.23	DHC/Dasu/WAPDA/MW-02/OHS/23-114	Recommendation Letter to DC Kohistan for Issuance of Explosive Transportation License (Form EL-07)	
136.	13.04.23	DHC/Dasu/WAPDA/MW-02/cad/23-126	Claim No. MW-01C-09, Additional Cost due to Change in Legislation	
137.	14.04.23	DHC/Dasu/WAPDA/MW-02/cad/23-127	Claim No. 1 - Engineer's Principle Response to Prolongation Costs	
138.	27.04.23	DHC/Dasu/WAPDA/MW-02/shj/23-131	Interim Payment Certificate No # 37 - for Feb-2023	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [12/16]

Sr. No	Date	Letter No.	Subject	Remarks
139.	27.04.23	DHC/Dasu/WAPDA/MW-02/shj/23-132	Justification for Issuance of Interim Payment Certificate No # 37	
140.	28.04.23	DHC/Dasu/WAPDA/MW-02/cad/23-133	Enhancement of Security of Expatriates (Armoured Vehicles)	
141.	30.04.23	DHC/Dasu/WAPDA/MW-02/Ohs/23-134	Initial Incident Flash Report- Level-4 Fatal Incident	
1.9 Dasu LBRV-11				
Dasu Office				
142.	12.04.23	DHC/Dasu/WAPDA/LBRV-11/cad/23-015	Interim Payment Certificate No. 13	
1.12 Dasu-PCI-01R				
Dasu office				
143.	01.04.23	DHC/Dasu/WAPDA/PCI-01R/mrz/23-087	Reminder Request for Information about the Provision of PTCL Connectivity	
144.	03.04.23	DHC/Dasu/WAPDA/PCI-01R/cad/23-090	Submission of 1st Draft of Bidding Document for Procurement of Furniture for WAPDA Project Office	
145.	04.04.23	DHC/Dasu/WAPDA/PCI-01R/cad/23-091	Interim Payment Certificate No.39	
146.	06.04.23	DHC/Dasu/WAPDA/PCI-01R/amr/23-096	Stoppage of Construction Work Due to Local Houses at Part-7 Chainage (0+000 to 0+96.385) of Colony Boundary Wall	
147.	08.04.23	DHC/Dasu/WAPDA/PCI-01R/cad/23-101	Contractor's Submission of Extended Advance Payment Guarantee - Extended up to 01-04-2024	
148.	07.04.23	DHC/Dasu/WAPDA/PCI-01R/PLS/23-102	Revised Contract Programme for 2d Extension of Time (EoT-2) Claim	
149.	11.04.23	DHC/Dasu/WAPDA/PCI-01R/Infra/23-107	Installation of Security Cameras Surveillance System	
150.	11.04.23	DHC/Dasu/WAPDA/PCI-01R/cad/23-111	Completion of Residential Buildings & Project Buildings	
151.	12.04.23	DHC/Dasu/WAPDA/PCI-01R/cad/23-112	Procurement of Design Supply, Installation, Testing and Commissioning of Solar Power System at Project Colony	
1.13 Dasu PCI-02				
Dasu office				
152.	10.04.23	DHC/Dasu/WAPDA/PCI-02R/CAD/23-009	Evaluation Report on Pre-Qualification of Applicants (REVISION-03)	
1.14 Dasu EM-01				
Dasu Office				
153.	03.04.23	DHC/Dasu/WAPDA/EM-01/mrz/23-102	Nomination of Inspector for the Joint Inspection and I Acceptance for the Goods of 1st Shipment at Ghazi Barotha Warehouse	
154.	03.04.23	DHC/Dasu/WAPDA/EM-01/cad/23-103	Project Managers Analysis of Different Options for Contract Price Adjustment	
155.	04.04.23	DHC/Dasu/WAPDA/EM-01/cad/23-105	Clarification on Employers Agreement with local and Owners- Claim No.EM-01-C-05-ROW Issue at Site Camp	
156.	04.04.23	DHC/Dasu/WAPDA/EM-01/cad/23-107	Contractors Proposal of Addition of Suppliers to the Agreed Schedule T-4	
157.	18.04.23	DHC/Dasu/WAPDA/EM-01/cad/23-120	Project Managers Analysis of Different Options for Contract Price Adjustment	
1.14 Dasu RV				
Dasu Office				
158.	12.04.23	DHC/Dasu/WAPDA/RV/CAD/23-031	Interim Payment Certificate No. 14	
2. To Contractors				
2.1 RAR-01				
Dasu Office				
1.	07.04.23	DHC/Dasu/CCECC/RAR-01/zic/23-037	Joint Site Environmental Inspection of WAPDA and DHC	
2.	07.04.23	DHC/Dasu/CCECC/RAR-01/cad/23-040	Notice of Claim- Imposition of New Super Tax 4C	
3.	18.04.23	DHC/Dasu/CCECC/RAR-01/PLS/23-041	Reminder Contract Programme for Komila Bypass	
4.	26.04.23	DHC/Dasu/CCECC/RAR-01/hb/23-043	Local Application for Removal of Dumped Material from Private Land at Komila Bypass K0+500-K0+600	
2.2 RAR-02				
Dasu office				
5.	08.04.23	DHC/Dasu/CGGC/RAR-02/OKK/23-046	The Contractor's Work Camp at Km 35+600 - Kandia	
6.	08.04.23	DHC/Dasu/CGGC/RAR-02/OKK/23-047	Method Statement for Rock Fill Works	
7.	08.04.23	DHC/Dasu/CGGC/RAR-02/OKK/23-048	Method Statement for Slope Protection Works	
8.	10.04.23	DHC/Dasu/CGGC/RAR-02/zic/23-051	Adverse Impacts of Construction Activities on School Located at GPS Seer Gayal	
9.	10.04.23	DHC/Dasu/CGGC/RAR-02/cad/23-053	Selection of Sole Member for the Dispute Board	
10.	11.04.23	DHC/Dasu/CGGC/RAR-02/OKK/23-054	Open Water Channel on the Alignment of Doga Access Road	
11.	12.04.23	DHC/Dasu/CGGC/RAR-02/OKK/23-055	Low Progress Rate	
12.	13.04.23	DHC/Dasu/CGGC/RAR-02/PLS/23-057	Submission of Contract Work Execution Programme	
13.	15.04.23	DHC/Dasu/CGGC/RAR-02/OKK/23-058	Claim of the Contractor due to the Access Blockage to Section Between 12+061 and Km 14+000	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [13/16]

Sr. No	Date	Letter No.	Subject	Remarks
2.3 KKH-01				
Dasu Office				
14.	03.04.23	DHC/Dasu/CCECC/KKH-01/you/23-120	Security Administrative Issues Related to Camps	
15.	04.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-122	Review of Revised Monthly EHS Monitoring Report NO.85 for the Month of January 2023	
16.	07.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-124	Hiring of Environmental Officer	
17.	07.04.23	DHC/Dasu/CCECC/KKH-01/bth/23-126	Completion of Uchar Backfill & Protection Work	
18.	09.04.23	DHC/Dasu/CCECC/KKH-01/Ohs/23-128	Final Warning on Unsafe & Excessive Storage of Explosive Material in an Unauthorized Warehouse at K4	
19.	10.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-129	ES-PAK Documents for Environment Monitoring of KKH-01 Contract	
20.	11.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-131	Washing of Concrete Transit Mixer in Chochang Nullah	
21.	11.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-132	Detail Design of Sedimentation Tank of K-9 Tunnel	
22.	11.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-133	Detailed Design of Sedimentation Tank of K-6 Batching Plant	
23.	13.04.23	DHC/Dasu/CCECC/KKH-01/hb/23-137	Request for Presentation to be prepared for Progress Review Meetings with World Bank	
24.	14.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-138	Installation of Wet Scrubbers and Sedimentation Tank @ Uchar Crushing Plant	
25.	14.04.23	DHC/Dasu/CCECC/KKH-01/nk/23-139	Approval of Granular Subbase Material 11Class-B Located at Khoshee By-pass Near CGGC Camp	
26.	15.04.23	DHC/Dasu/CCECC/KKH-01/infra/23-140	Varied Works of Slope Protection Works for Access Road of Khoshe-1 RV site	
27.	15.04.23	DHC/Dasu/CCECC/KKH-01/cad/23-141	Observations on Contractors Submission of Quantities and Cost for Backfilling of Uchar Camp	
28.	15.04.23	DHC/Dasu/CCECC/KKH-01/zic/23-143	Detailed Design of Sedimentation Tanks for Uchar and K-6 Batching Plant	
29.	18.04.23	DHC/Dasu/CCECC/KKH-01/cad/23-144	Notice of Claim- Imposition of New Super Tax 4C	
30.	18.04.23	DHC/Dasu/CCECC/KKH-01/PLS/23-145	Comments on Revised Baseline KKH-01 Contract	
31.	26.04.23	DHC/Dasu/CCECC/KKH-01/CAD/23-146	KKH-01-C-26A - Inundation of KKH at Uchar Nullah	
32.	26.04.23	DHC/Dasu/CCECC/KKH-01/nk/23-147	Approval of Uchar Concrete Batching Plant (HZS60Q) Manufactured by "Shantui Janeoo Machinery"	
33.	26.04.23	DHC/Dasu/CCECC/KKH-01/nk/23-148	Approval of K5 Crushing Plant Aggregate and Use of Excavated Material from Logro A Tunnel	
34.	27.04.23	DHC/Dasu/CCECC/KKH-01/shf/23-150	Report of SHO of the Police Station Dasu Vide Daily Dairy No. 19 Dated 4-4-2023	
35.	27.04.23	DHC/Dasu/CCECC/KKH-01/cad/23-151	Proposal for Revision of OHS Staff Salaries	
36.	27.04.23	DHC/Dasu/CCECC/KKH-01/hb/23-152	Tunnels and Associated Bldgs.- E&M Design Review & Comments	
37.	28.04.23	DHC/Dasu/CCECC/KKH-01/shf/23-153	Redressal of Grievances of Mr. Gul Badshah ex-Employee of CCECC	
2.4 Dasu-KKH-02				
Dasu Office				
38.	04.04.23	DHC/Dasu/CGGC/KKH-02/OAK/23-089	Road Closure Schedule for RD-28 to RD-46	
39.	05.04.23	DHC/Dasu/CGGC/KKH-02/cad/23-090	Claim Ref.No.C-01 EOT and Cost Due to Delayed Land Handover	
40.	10.04.23	DHC/Dasu/CGGC/KKH-02/DPM/23-091	Engineer's Instruction for the Execution of Variation KKH-02-VO-002E (Access Roads for Tunnel & Bridges)	
41.	10.04.23	DHC/Dasu/CGGC/KKH-02/cad/23-092	Selection of Sole Member for the Dispute Board	
42.	11.04.23	DHC/Dasu/CGGC/KKH-02/OKK/23-093	Submission of Revised Method Statement for Removal of Loose Material & Haulage	
43.	11.04.23	DHC/Dasu/CGGC/KKH-02/OKK/23-094	Construction of Access Roads for Tunnels and Bridges	
44.	13.04.23	DHC/Dasu/CGGC/KKH-02/PLS/23-096	Reminder Submission of Contract Programme	
45.	13.04.23	DHC/Dasu/CGGC/KKH-02/cad/23-097	Restoration of Uchar Bridge	
46.	14.04.23	DHC/Dasu/CGGC/KKH-02/cad/23-098	Contractor's Notice of Claim- Lower Work Efficiency on Site during Ramadan due to Road Closure	
47.	17.04.23	DHC/Dasu/CGGC/KKH-02/cad/23-102	Explanation Pertaining to Payment of Accommodation Facilities for Security Personnel (Army FC and Police)	
48.	18.04.23	DHC/Dasu/CGGC/KKH-02/OHS/23-103	KKH-02 to Monitor the Construction Sites During Eid Holidays	
49.	19.04.23	DHC/Dasu/CGGC/KKH-02/OKK/23-104	Request for Approval of Plan and Profile Drawings of Varied Tunnels and Bridges	
50.	29.04.23	DHC/Dasu/CGGC/KKH-02/cad/23-107	Explanation pertaining to Payment of Accommodation Facilities for Security Personnel (Army, FC and Police)	
2.5 Dasu TL-01				
Dasu Office				
51.	03.04.23	DHC/Dasu/PCCC/TL-01/mrz/23-040	Pending Procurement	
52.	05.04.23	DHC/Dasu/PCCC/TL-01/cad/23-041	Additional Particulars for Evaluation of Claim- Compensation due to Usage of Land Owners Labour	
53.	13.04.23	DHC/Dasu/PCCC/TL-01/zic/23-044	Walk Through Environmental Inspection Report	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [14/16]

Sr. No	Date	Letter No.	Subject	Remarks
54.	14.04.23	DHC/Dasu/PCCC/TL-01/mrz/23-045	Demobilization of Stringing Team	
55.	14.04.23	DHC/Dasu/PCCC/TL-01/cad/23-046	Minutes of Meeting Regarding the Contractor's Claim - Compensation due to Usage of Land Owner's Labour	
56.	18.04.23	DHC/Dasu/PCCC/TL-01/cad/23-047	Delay in the Stringing and Erection Works at Transmission Line	
57.	18.04.23	DHC/Dasu/PCCC/TL-01/cad/23-049	Submission of Updated Schedule Program for TL-01	
2.6 Dasu MW-01				
Dasu Office				
58.	03.04.23	DHC/Dasu/CGGC/MW-01/you/23-256	Security Administrative issue Related to Camps	
59.	03.04.23	DHC/Dasu/CGGC/MW-01/cad/23-257	Extension of CAR and Third Party Insurance Policy	
60.	02.04.23	DHC/Dasu/CGGC/MW-01/cad/23-258	Request for Issue the Variation Order of Power Supply System for Uchar 1# Batch Plant and 1# Crushing Plant	
61.	03.04.23	DHC/Dasu/CGGC/MW-01/AO/23-260	Method Statement of Excavation and Support of Left and Right Banks Cable Crane Platforms in Chinese Language	
62.	03.04.23	DHC/Dasu/CGGC/MW-01/OHS/23-261	Post Incident Actions Intended for New Uchar Crushing Plant	
63.	03.04.23	DHC/Dasu/CGGC/MW-01/cad/23-262	Report on Earthquake	
64.	04.04.23	DHC/Dasu/CGGC/MW-01/AO/23-264	-Minutes of Weekly Progress Review Meeting Held on 28th March 2023	
65.	04.04.23	DHC/Dasu/CGGC/MW-01/nk/23-265	Approval of the Source 1 (Gini) Natural Pozzolan Quarry as Pozzolan Material Source	
66.	04.05.23	DHC/Dasu/CGGC/MW-01/zua/23-267	Expedite Renovation Preparation of Building for Security Persons in Kass Camp	
67.	06.04.23	DHC/Dasu/CGGC/MW-01/AA/23-268	MW-01-Cleaning of Debris at Right in Front of Siglo Nullah	
68.	06.04.23	DHC/Dasu/CGGC/MW-01/AO/23-269	Daywork order for Relocation of the Temporary Causeway	
69.	06.04.23	DHC/Dasu/CGGC/MW-01/Hur/23-270	Slow Progress at Right Bank Bypass Tunnel	
70.	06.04.23	DHC/Dasu/CGGC/MW-01/zic/23-271	Absence of Senior Management During Joint Inspections with the Engineer and WAPDA	
71.	06.04.23	DHC/Dasu/CGGC/MW-01/AO/23-272	Investigation of Kaigah Quarry Reminder 1	
72.	06.04.23	DHC/Dasu/CGGC/MW-01/zic/23-273	Hiring on the Remaining Positions of Environmental Officer	
73.	07.04.23	DHC/Dasu/CGGC/MW-01/dn/23-274	Monitorign The River Water	
74.	07.04.23	DHC/Dasu/CGGC/MW-01/HN/23-275	Delay of Construction of Power Supply System for No.1 Batching and Crushing Plant at Uchar Thoki	
75.	07.04.23	DHC/Dasu/CGGC/MW-01/hur/23-276	Completion of works for Generators at Uchar (Thoki) Crushing and Batching Plant	
76.	08.04.23	DHC/Dasu/CGGC/MW-01/cad/23-277	Time Period Related to Prolongation Claim Cost	
77.	08.04.23	DHC/Dasu/CGGC/MW-01/hur/23-278	Slow Progress at Cut Off Wall of U-S Starter Dam	
78.	08.04.23	DHC/Dasu/CGGC/MW-01/zic/23-279	Joint Environmental Site Inspection of WAPDA and DHC	
79.	08.04.23	DHC/Dasu/CGGC/MW-01/eb/23-280	Engineer Comments on Method Statement of Excavation and Support Works of Right Bank Bypass Tunnel	
80.	09.04.23	DHC/Dasu/CGGC/MW-01/cad/23-281	Extension of CAR and Third-Party Insurance Policies	
81.	10.04.23	DHC/Dasu/CGGC/MW-01/you/23-283	Category Seating Capacity of Bullet Proof Vehicles (Buses)	
82.	10.04.23	DHC/Dasu/CGGC/MW-01/dn/23-284	Comments on Submitted Design Documents of Cable Crane Platforms and Foundation (Revision 8)	
83.	10.04.23	DHC/Dasu/CGGC/MW-01/cad/23-286	2nd Interim Cost Claim - Additional Payment under GC Sub-Clause 13.7	
84.	10.04.23	DHC/Dasu/CGGC/MW-01/PLS/23-287	Disbursement Schedule	
85.	10.04.23	DHC/Dasu/CGGC/MW-01/PLS/23-288	One Year Look Ahead Schedule for Monitoring Construction Activities	
86.	11.04.23	DHC/Dasu/CGGC/MW-01/zic/23-290	Design of Sedimentation Tanks for Thoki Crusher and Batching Plant	
87.	11.04.23	DHC/Dasu/CGGC/MW-01/zic/23-291	Comments on the Monthly Environmental Report for the Month of January 2023	
88.	12.04.23	DHC/Dasu/CGGC/MW-01/JF/23-294	Comments on Method Statement of Cut-off Wall D4)	
89.	13.04.23	DHC/Dasu/CGGC/MW-01/zic/23-295	Submission of Air Dispersal Modelling and Traffic Management Plan	
90.	13.04.23	DHC/Dasu/CGGC/MW-01/JF/23-297	Remind for Additional Borehole Survey and Permeability Test for Cut-off Wall I-1 and II-1 Slots	
91.	13.04.23	DHC/Dasu/CGGC/MW-01/JF/23-298	Proposal of Construction for PG-3 and PG-6 Plug Concrete for Diversion Tunnel Adit Tunnel	
92.	12.04.23	DHC/Dasu/CGGC/MW-01/zua/23-299	Reply to Propose for the Use of Permanent Formwork in the Concrete Pouring at US Starter Dam	
93.	17.04.23	DHC/Dasu/CGGC/MW-01/eb/23-301	Contractors Failure for Provision of Weep holes and Re-Application of the Weep holes in the Diversion Tunnel A and Diversion Tunnel B.	
94.	17.04.23	DHC/Dasu/CGGC/MW-01/AO/23-302	Submission of the Excavation and Support Method Statement for Left and Right Abutment Cable Crane Platforms without any Corrections	
95.	17.04.23	DHC/Dasu/CGGC/MW-01/eb/23-303	Right Bank Bypass Tunnel - Instruction to Suspend 1st Stage Excavation	
96.	18.04.23	DHC/Dasu/CGGC/MW-01/ohs/23-304	23.04.18-(304)-MW-01-Provision of Autopsy Report of Deceased Worker	
97.	18.04.23	DHC/Dasu/CGGC/MW-01/dn/23-305	23.04.18-(305)-MW-01-Drawings Issue for Construction-DS Portal of Traffic Diversion Tunnel- Re-Bar Arrangement of Drain System	
98.	18.04.23	DHC/Dasu/CGGC/MW-01/jff/23-306	Daywork for Trench Excavation for Geological Investigation in HFO Plant Location	
99.	23.04.23	DHC/Dasu/CGGC/MW-01/cad/23-307	Payment of Hire Charges for Helicopter Services	
100.	26.04.23	DHC/Dasu/CGGC/MW-01/cad/23-310	Extension of CAR and Third-Party Insurance Policies	
101.	27.04.23	DHC/Dasu/CGGC/MW-01/dn/23-312	Drawing issue for Construction- Diversion Tunnels -Inlet above EL. 802.9 m-2nd Concrete Stage	
102.	27.04.23	DHC/Dasu/CGGC/MW-01/shf/23-313	Employment of Land Owner of Kass Community With Contractor MS CGGC	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [15/16]

Sr. No	Date	Letter No.	Subject	Remarks
103.	27.04.23	DHC/Dasu/CGGC/MW-01/JF/23-314	Urgent Procurement of Steel H-Beam and Container for Phase I of Temporary Causeway crossing Uchar Nullah	
104.	28.04.23	DHC/Dasu/CGGC/MW-01/sk/23-316	Reply to Submission of the Construction Drawings of Division Tunnel Hoists 01 (HSS)	
105.	28.04.23	DHC/Dasu/CGGC/MW-01/Cad/23-321	Claim No. 1 - Engineer's Principle Response to Disruption Costs	
2.7 Dasu MW-02				
Dasu Office				
106.	03.04.23	DHC/Dasu/CGGC/MW-02/CAD/23-107	Extension of CAR and Third Party Insurance Policy	
107.	03.04.23	DHC/Dasu/CGGC/MW-02/ys/23-108	Surge Chamber Vault Access Tunnel Enlarge Excavations for the Contractor Purposes	
108.	03.04.23	DHC/Dasu/CGGC/MW-02/ys/23-109	Improper Installation of Rock Bolts (No tightening)	
109.	03.04.23	DHC/Dasu/CGGC/MW-02/ys/23-110	Tailrace Tunnel No.1 Upstream Improvement of Tunnel Support	
110.	03.04.23	DHC/Dasu/CGGC/MW-02/cad/23-111	Report on Earthquake	
111.	04.04.23	DHC/Dasu/CGGC/MW-02/ys/23-112	Minutes of Weekly Progress Review Meeting Held on 28th March 2023	
112.	05.04.23	DHC/Dasu/CGGC/MW-02/ys/23-113	Adit to Draft Tunnel Enlarge Excavations for the Contractors Purposes	
113.	06.04.23	DHC/Dasu/CGGC/MW-02/sk/23-115	Reply to Submission of the Manufacturing Plan for Penstok RO (HSS)	
114.	06.04.23	DHC/Dasu/CGGC/MW-02/zic/23-116	Absence of Senior Management During Joint Inspections with the Engineer and WAPDA	
115.	06.04.23	DHC/Dasu/CGGC/MW-02/ys/23-117	Engineer Comments Submission of Method Statement for Intake Structure Above EL961.0 Excavation and Support (D3)	
116.	08.04.23	DHC/Dasu/CGGC/MW-02/cad/23-118	2nd Interim Cost Claim for Additional Payment under Contract Sub-Clause 13.7	
117.	09.04.23	DHC/Dasu/CGGC/MW-02/cad/23-119	Extension of CAR and Third-Party Insurance Policies	
118.	09.04.23	DHC/Dasu/CGGC/MW-02/zic/23-120	Joint Environmental Site Inspection of WAPDA and DHC	
119.	10.04.23	DHC/Dasu/CGGC/MW-02/PLS/23-121	Submission of Recovery Schedule	
120.	10.04.23	DHC/Dasu/CGGC/MW-02/PLS/23-122	Disbursement Schedule	
121.	11.04.23	DHC/Dasu/CGGC/MW-02/zic/23-123	Comments on the Monthly Environmental Report for the Month of January 2023	
122.	12.04.23	DHC/Dasu/CGGC/MW-02/zic/23-125	Walk Through Environmental Inspection Reports	
123.	14.04.23	DHC/Dasu/CGGC/MW-02/Ys/23-128	Minutes of Weekly Progress Review Meeting held on 04th April 2023	
124.	15.04.23	DHC/Dasu/CGGC/MW-02/sn/23-129	The Proposal of Grounding Grid Connection Type for Powerhouse above EL. 760 & Transformer Cavern Above EL.772.5	
125.	26.04.23	DHC/Dasu/CGGC/MW-02/cad/23-130	Extension of CAR and Third-Party Insurance Policies	
2.9 Dasu LBRV-12				
Dasu office				
126.	19.04.23	DHC/Dasu/ZEGL/LBRV-12/CAD/23-008	GC Sub-Clause 15.1 Notice to Correct Defective and Incomplete Work	
2.11 Dasu-PCI-01R				
Dasu Office				
127.	03.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-088	Closure of Operation and Maintenance (O&M) of Basic Health Unit (BHU)	
128.	03.04.23	DHC/Dasu/CGICOP/PCI-01R/you/23-089	Security Administrative issue Related to Camps	
129.	04.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-092	Withdrawal of Instruction to Close out the Operation and Maintenance (O&M) of Basic Health Unit (BHU)	
130.	05.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-093	Reply to Notice for Delay Due to Frequent Changes in Design for Under Progress Works at Residence Category-2	
131.	05.04.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-094	Preparation of Subgrade & Compaction for Colony Roads	
132.	06.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-095	Skirting all Around External Walls of the Residences Building	
133.	06.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-097	Installation of Doors at Emergency Entrances of WAPDA Project Office Building	
134.	06.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-098	Reply to Clarification of the MS Privacy Fence Railing at First Floor Backside Open Terrace of Residence Category-1 Buildings	
135.	07.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-099	Issuance of Construction Drawing of Drainage System of Hostel Category 2A 2B and 3	
136.	07.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-100	Reply to Notice for Delay in Issuance of Change in Design of Central Canopy of Community Center Building	
137.	08.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-103	Completion of Residential Buildings and Project Office for Shifting of WAPDA and Consultant Staff	
138.	08.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra/23-104	VO-008R1- External Water Supply for Resettlement Village Uchar-1	
139.	08.04.23	DHC/Dasu/CGICOP/PCI-01R/cad/23-105	Contractor's Request to Release Retention Money against Bank Guarantee	
140.	11.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-106	Construction Drawings of Water Supply Conveyance for RV Site Uchar-1	
141.	12.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-108	Replacing uPVC with HDPE Water Supply Pipes in Project Colony	
142.	13.04.23	DHC/Dasu/CGICOP/PCI-01R/zic/23-113	Walk Through Environmental Inspection Reports	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix E [16/16]

Sr. No	Date	Letter No.	Subject	Remarks
143.	13.04.23	DHC/Dasu/CGICOP/PCI-01R/zic/23-114	Washing of Concrete Transit Mixer in Chochang Nullah	
144.	14.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-115	Construction of Security Office and Telephone Exchange Buildings	
145.	16.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-116	Clarification of MS Privacy Fence Railing at First Floor Backside Open Terrace of the Residence Categorv-1	
146.	16.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-117	Withdrawal of Instruction for Installation of G.I.Ladders	
147.	16.04.23	DHC/Dasu/CGICOP/PCI-01R/infra/23-117	Withdrawal of Instruction for Installation of G.I.Ladders	
148.	18.04.23	DHC/Dasu/CGICOP/PCI-01R/PLS//23-118	Submission of Resource Loaded Schedule	
149.	19.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra//23-119	MS Privacy Railing at First Floor Backside of Res Cat-1	
150.	19.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra//23-120	Response to the Contractors Query for Design of Emergency Entrance Door and to the Notices	
151.	19.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra//23-121	Response to Queries about Drainage System around Community Center Building	
152.	19.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra//23-122	Response to Notices, Design of Internal Roads and Slope in Drive Way Area of Residence Category-1&2 buildings	
153.	26.04.23	DHC/Dasu/CGICOP/PCI-01R/Infra//23-123	Residence Category-2 Construction Work Progress	
154.	28.04.23	DHC/Dasu/CGICOP/PCI-01R/mrz//23-124	Installation of HT and LT Lattice Steel Structure and External Electrification Work	
155.	28.04.23	DHC/Dasu/CGICOP/PCI-01R/mrz//23-125	Submission of Variation Order # 48 for Supply & Installation of additional Distribution Board (Cat-3 Building)	
2.12 Dasu RV				
Dasu Office				
156.	08.04.23	DHC/Dasu/KGL/RV/Infra/23-029	VO-007 - Varied Works of Pumping Sewage for Project Colony	
157.	10.04.23	DHC/Dasu/KGL/RV/Infra/23-030	Varied Works of Water Transmission Line for RV Sites Nasirabad (1&2)	
158.	18.04.23	DHC/Dasu/KGL/RV/Infra/23-032	Varied Works of Water Transmission Line for RV Sites Khoshe 1 & 2	
159.	26.04.23	DHC/Dasu/KGL/RV/Infra/23-033	Notice of Claim -Increase In Rate of Sales Tax from 17% To 18%	
2.13 EM-01				
Dasu Office				
160.	01.04.23	DHC/Dasu/GEPC/EM-01/CAD/23-101	Proposed Time for Submission of Final Claim- Delay in Generation of Financial Instrument (FI) Number of 1st Shipment	
161.	03.04.23	DHC/Dasu/GEPC/EM-01/sn/23-104	Dasu Generator Control Device Installation	
162.	04.04.23	DHC/Dasu/GEPC/EM-01/zic/23-106	Submission of Transportation Management Plan for Electro Mechanical Equipment	
163.	04.05.23	DHC/Dasu/GEPC/EM-01/ys/23-108	Construction Drawings of Buildings No.2.1,2.2,2.3,2.5,3.2,3.2.2,3.3,4.3,4.3.2 t Camp Kass	
164.	05.04.23	DHC/Dasu/GEPC/EM-01/OHS/23-109	Comments on 2nd Draft of EM-01 OHSMP	
165.	05.04.23	DHC/Dasu/GEPC/EM-01/sn/23-110	Dasu Revised Powerhouse Cavern Equipment Arrangement (Rev. C)	
166.	12.04.23	DHC/Dasu/GEPC/EM-01/sn/23-112	Employers Witness Schedule for FAT on Unit 4 Staying	
167.	12.04.23	DHC/Dasu/GEPC/EM-01/sn/23-114	Dasu Generator Load on Foundation for Approval	
168.	13.04.23	DHC/Dasu/GEPC/EM-01/zic/23-115	Walk Through Environmental Inspection Reports	
169.	13.04.23	DHC/Dasu/GEPC/EM-01/cad/23-116	Claim EM-01 C-09- Delay in Generation of FI Number of Shipment No.2	
170.	14.04.23	DHC/Dasu/GEPC/EM-01/YS/23-117	Construction Drawings of Watch Tower Platform at EM-01 Camp, Kass	
171.	14.04.23	DHC/Dasu/GEPC/EM-01/YS/23-118	Construction Drawings of Buildings no. 4.1, 4.2 at EM-01 Camp, Kass	
172.	15.04.23	DHC/Dasu/GEPC/EM-01/cad/23-119	Claim EM-01 C-08- Temporary Storage Cost at Ghazi Barotha	

APPENDIX F

Detail of Interim Payment Certificates

Appendix F: Details of Interim Payment Certificates

Details of Interim Payment Certificates of MW-01 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	5,556,438,372	56,988,569.00	16-May-17
2	22-Jun-18	2	11-Jul-18	129,457,263	1,384,020.74	17-Aug-18
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	24-Nov-21
23	21-Nov-21	23	20/12/2021	821,193,512	9,251,540.73	20-Oct-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
29	21-Jun-22	29	22-Jul-22	192,432,354	1,429,597.79	11-Jun-22
30	20-Jul-22	30	18-Aug-22	208,902,264	1,700,738.92	16-Aug-22
31	22-Aug-22	31	20-Sep-22	309,574,151	1,793,501.06	14-Sep-22
32	18-Oct-22	32	18-Nov-22	330,721,543	2,483,232.94	17-Oct-22
33	06-Dec-22	33	03-Jan-23	827,977,759	5,014,543.37	13-Dec-22
34	10-Jan-23	34	17-Feb-23	498,342,988	3,957,279.76	31-Jan-23
35	30-Jan-23	35	27-Feb-23	303,694,619	1,612,716.51	07-Mar-23
36	28-Feb-23	36	26-Mar-23	720,703,554	4,057,040.96	27-Mar-23
Total Amount in LC & FC (1USD = 104.3 PKR) (LC 50:FC 50)				17,842,427,160	164,463,858	
Total Amount Certified including LC & FC (Rs.)				34,996,007,575.48		
Accepted Contract Amount				115,003,461,240		
Disbursement Progress with respect to ACA				30.43%		

Details of Interim Payment Certificates of MW-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	21-Apr-17	1 (Adv. Pay)	25-Apr-17	3,326,067,613	29,880,873.00	16-May-17
2	22-Jun-18	2	11-Jul-18	83,298,629	870,162.03	17-Aug-18
3	03-Jan-19	3	09-Jan-19	74,858,417	766,176.22	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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix F [2/6]

22	29-Sep-21	22	25-Oct-21	13,306,835	36,044.08	24-Nov-21
23	21-Nov-21	23	15-Dec-21	10,566,080	70,038.21	16-Jan-22
24	26-Dec-21	23	04-Feb-22	13,396,896	98,850.24	20-Feb-22
25	29-Jan-22	25	28-Feb-22	29,493,180	244,726.79	26-Mar-22
26	02-Mar-22	26	28-Mar-22	9,702,893	60,887.68	27-Apr-22
27	28-Mar-22	27	24-Apr-22	23,355,008	151,238.21	23-May-22
28	16-Apr-22	28	18-May-22	65,408,374	223,236.05	11-Jun-22
29	21-Jun-22	29	23-Jul-22	65,521,384	407,878.71	16-Aug-22
30	20-Jul-22	30	20-Aug-22	61,174,019	159,575.39	14-Sep-22
31	23-Aug-22	31	24-Sep-22	75,988,914	178,590.68	18-Oct-22
32	18-Oct-22	32	19-Nov-22	157,320,766	973,034.70	13-Dec-22
33	06-Dec-22	33	05-Jan-23	286,277,691	1,587,756.94	31-Jan-23
34	10-Jan-23	34	16-Feb-23	265,028,755	1,407,099.70	07-Mar-23
35	30-Jan-23	35	27-Feb-23	159,720,241	961,190.51	27-Mar-23
36	28-Feb-23	36	25-Mar-23	46,006,884	242,298.57	25-Apr-23

Total Amount in LC & FC (1USD = 104.3 PKR) (LC 50:FC 50) 6,651,016,384
Total Amount Certified including LC & FC (Rs.) 53,635,435.64
Accepted Contract Amount 12,245,192,321.25
Disbursement Progress with respect to ACA 64,426,426,087
19.01%

Details of Interim Payment Certificates of EM-01 – Contractor GE-PC JV						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	17-Dec-19	1 (Adv. Pay)	20-Dec-19		24,398,400.00	24-Jan-20
2	21-Oct-21	1	01-Nov-21		921,600.00	20-Dec-21
3	17-Feb-22	(Adv. Pay)	25-Mar-22	480,570,192		
4	12-Oct-22	2	20-Oct-22		785,822.21	11-Dec-22
5	17-Jan-23	3	02-Feb-23		150,133	18-Mar-23

Total Amount in LC & FC Accepted Contract Amount 480,570,192
Disbursement Progress with respect to ACA 26,255,955
Total Contract Amount (Rs.) 25,471,001,920
2% 243,984,000 11%

Details of Interim Payment Certificates of PCI-01R – Contractor CGCIOP						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	26-Dec-18	1 (Adv. Pay)	28-Dec-18	726,119,001	2,405,315	16-Jan-19
2	17-Oct-19	2	12-Nov-19	33,567,386	136,295.80	12-Dec-19
3	17-Nov-19	3	12-Dec-19	34,931,356	141,834.03	12-Jan-20
4	14-Feb-20	4	06-Mar-20	35,072,900	142,409.00	10-Apr-20
5	09-Mar-20	5	04-Apr-20	42,945,219	108,612.40	04-May-20
6	24-Apr-20	6	14-May-20	34,543,747	90,408.73	19-Jun-20
7	18-Jun-20	7	28-Jun-20	16,566,772	70,069.45	13-Aug-20
8	02-Jul-20	8	23-Jul-20	32,357,756	95,828.25	27-Aug-20
9	13-Jul-20	9	10-Aug-20	41,345,304	142,436.39	07-Sep-20
10	11-Aug-20	10	25-Aug-20	57,969,212	206,748.57	06-Oct-20
11	09-Sep-20	11	27-Sep-20	46,442,969	176,916.64	04-Nov-20
12	06-Oct-20	12	29-Oct-20	59,435,690	189,186.18	01-Dec-20
13	08-Nov-20	13	01-Dec-20	67,698,771	225,993.44	03-Jan-21
14	09-Dec-20	14	05-Jan-21	36,818,282	126,664.14	03-Feb-21
15	09-Jan-21	15	04-Feb-21	49,773,681	174,006.62	06-Mar-21
16	11-Feb-21	16	10-Mar-21	45,051,858	157,276.41	08-Apr-21
17	11-Mar-21	17	06-Apr-21	28,554,500	94,947.49	06-May-21
18	10-Apr-21	18	05-May-21	48,159,728	162,023.48	05-Jun-21
19	08-May-21	19	05-Jun-21	43,238,709	146,047.14	03-Jul-21
20	10-Jun-21	20	08-Jul-21	42,484,291	146,845.49	05-Aug-21
21	11-Jul-21	21	09-Aug-21	48,422,532	158,859.84	05-Sep-21
22	09-Aug-21	22	05-Sep-21	48,268,339	153,050.04	04-Oct-21
23	07-Sep-21	23	04-Oct-21	32,788,090	109,182.33	02-Nov-21
24	12-Oct-21	24	07-Nov-21	40,545,279	126,723.09	07-Dec-21
25	13-Nov-21	25	23-Nov-21	31,906,308	104,477.57	08-Jan-22
26	14-Dec-21	26	24-Dec-21	26,915,937	91,526.69	08-Feb-22
27	21-Jan-22	26	14-Feb-22	30,908,137	100,942.68	18-Mar-22
28	07-Apr-22	28	08-Apr-22	22,262,030	73,117.80	02-Jun-22
29	07-Apr-22	29	17-Apr-22	20,347,880	63,750.71	02-Jun-22
30	18-Apr-22	30	15-May-22	13,216,994	42,850.56	13-Jun-22
31	09-Jun-22	31	01-Jul-22	24,908,565	80,913.11	04-Aug-22
32	05-Jul-22	32	01-Aug-22	67,779,223	119,945.64	30-Aug-22
33	07-Aug-22	33	04-Sep-22	11,559,525	30,562.99	02-Oct-22
34	07-Sep-22	34	26-Sep-22	27,079,138	62,745.59	02-Nov-22
35	06-Oct-22	35	31-Oct-22	17,155,374	42,162.34	01-Dec-22
36	06-Nov-22	36	02-Dec-22	33,342,424	84,877.98	01-Jan-23
37	06-Dec-22	37	21-Dec-22	30,464,152	100,428.59	31-Jan-23

**Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)**

Appendix F [3/6]

38	17-Dec-22	38	05-Jan-23	99,858,860	257,957.49	11-Feb-23
39	08-Mar-23	39	04-Apr-23	76,854,572	149,745.99	03-May-23
Total Amount in LC & FC (1USD = 105.55 PKR) (LC 70: FC 30)				2,227,660,491	7,093,686	
Total Amount Certified including LC & FC (Rs.)				2,976,399,015		
Accepted Contract Amount				4,900,000,009		
Disbursement Progress with respect to ACA				60.74%		

Details of Interim Payment Certificates of KKH-01 – Contractor CCECC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	2,176,756,967	7,257,158.00	01-May-15
2	25-Oct-16	2	05-Nov-16	116,085,061	384,408.90	20-Dec-16
3	20-Mar-17	3	21-Mar-17	115,271,179	384,306.16	15-May-17
4	07-Oct-17	4	09-Oct-17	163,673,731	537,714.66	02-Dec-17
5	02-Jan-18	5	15-Jan-18	140,213,172	467,461.04	27-Feb-18
6	29-Apr-18	6	16-May-18	112,700,084	375,734.32	24-Jun-18
7	13-Jun-18	7	09-Jul-18	137,477,799	294,116.50	08-Aug-18
8	18-Aug-18	8	12-Sep-18	83,900,536	248,588.91	13-Oct-18
9	20-Oct-18	9	07-Nov-18	115,514,185	327,895.98	15-Dec-18
10	22-Dec-18	10	02-Jan-19	54,277,538	153,159.67	16-Feb-19
11	29-Jan-19	11	13-Feb-19	117,014,088	295,608.67	26-Mar-19
12	28-Apr-19	12	13-May-19	83,570,086	218,018.53	23-Jun-19
13	01-Jul-19	13	12-Jul-19	111,832,242	262,033.71	26-Aug-19
14	26-Aug-19	14	13-Sep-19	186,836,976	487,212.82	21-Oct-19
15	24-Nov-19	15	22-Dec-19	60,357,019	167,948.08	19-Jan-20
16	17-Feb-20	16	13-Mar-20	80,325,069	188,092.50	13-Apr-20
17	31-Mar-20	17	28-Apr-20	103,054,752		26-May-20
18	03-Jul-20	18	27-Jul-20	117,062,441	299,271.45	28-Aug-20
19	03-Oct-20	19	30-Oct-20	541,814,894	244,433.16	28-Nov-20
20	10-Nov-20	20	07-Dec-20	126,355,008	161,772.28	05-Jan-21
21	04-Mar-21	21	02-Apr-21	89,700,027	217,810.42	29-Apr-21
22	30-Apr-21	22	30-May-21	218,335,017	131,214.31	25-Jun-21
23	17-Jul-21	23	14-Aug-21	123,748,647	1,564.06	11-Sep-21
24	19-Oct-21	24	16-Nov-21	148,233,396		14-Dec-21
25	22-Feb-22	25	21-Mar-22	46,553,333	388,294.83	19-Apr-22
26	19-Jun-22	27	21-Jun-22	3,351,431,289	11,173,440.91	10-Jul-22
27	19-Jul-22	26	12-Aug-22	22,894,416	2,136,987.46	13-Sep-22
28	03-Nov-22	28	28-Nov-22	413,135,000	235,653.58	29-Dec-22
29	30-Dec-22	29	26-Jan-23	213,387,157	447,396.19	24-Feb-23
30	14-Feb-23	30	10-Mar-23	279,376,648	410,568.76	11-Apr-23
31	13-Mar-23	31	08-Apr-23	389,201,838.00	808,885	08-May-23
Total Amount in LC & FC (1USD=100.73PKR) (LC74.86:FC25.14)				10,040,089,595	28,706,751	
Total Amount Certified including LC & FC (Rs.)				12,931,720,585		
Accepted Contract Amount				14,538,852,307		
Disbursement Progress with respect to ACA				88.95%		

Details of Interim Payment Certificates of KKH-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	20-May-17	1 (Adv. Pay)	22-May-17	2,146,910,052	10,590,008	12-Jun-17
2	05-Oct-22	2	23-Oct-22	37,624,777	145,122	30-Nov-22
3	06-Dec-22	3	27-Dec-22	159,914,610	603,728	31-Jan-23
4	01-Jan-23	4	23-Jan-23	117,089,970	420,422	26-Feb-23
5	16-Feb-23	5	10-Mar-23	86,233,091	336,953	13-Apr-23
6	02-Apr-23	6	17-Apr-23	124,424,706	471,778	28-May-23
Total Amount in LC & FC (1USD = 104.445 PKR) (LC 60:FC 40)				2,672,197,206	12,568,011	
Total Amount Certified including LC & FC (Rs.)				3,984,863,148.32		
Accepted Contract Amount				16,264,917,100		
Disbursement Progress with respect to ACA				24.50%		

Details of Interim Payment Certificates of RAR-01 – Contractor CCECC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	07-Apr-15	1 (Adv. Pay)	10-Apr-15	379,956,163	1,616,583.00	01-May-15
2	08-Sep-16	2	28-Sep-16	30,718,272	127,214.05	03-Nov-16
3	24-Nov-16	3	28-Nov-16	33,046,440	140,751.14	19-Jan-17
4	17-Mar-17	4	18-Mar-17	25,337,809	107,803.64	12-May-17
5	31-May-17	5	06-Jun-17	19,217,560	75,637.40	26-Jul-17
6	29-Sep-17	6	22-Oct-17	15,836,928	67,380.67	24-Nov-17
7	18-Jan-18	7	22-Jan-18	29,111,263	119,640.59	15-Mar-18
8	25-May-18	8	07-Jun-18	29,282,076	124,585.00	20-Jul-18
9	19-Oct-18	9	06-Nov-18	27,200,193	115,728.00	14-Dec-18
10	22-Feb-19	10	27-Feb-19	18,068,304	76,874.00	19-Apr-19
11	13-May-19	11	30-May-19	18,051,845	76,804.00	08-Jul-19
12	12-Jul-19	12	02-Aug-19	15,616,281	66,441.90	06-Sep-19

**Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)**

Appendix F [4/6]

13	29-Sep-19	13	23-Oct-19	14,343,099	61,024.94	24-Nov-19
14	25-Jan-20	14	22-Feb-20	15,400,368	65,523.26	21-Mar-20
15	04-Apr-20	15	01-May-20	22,964,734	87,258.28	30-May-20
16	25-May-20	16	22-Jun-20	37,010,549	157,467.13	20-Jul-20
17	01-Jul-20	17	25-Jul-20	22,836,053	97,159.54	26-Aug-20
18	30-Jul-20	18	27-Aug-20	33,569,813	86,410.44	24-Sep-20
19	09-Sep-20	19	03-Oct-20	36,443,023	155,052.49	04-Nov-20
20	24-Oct-20	20	20-Nov-20	82,520,944	351,098.18	19-Dec-20
21	04-Dec-20	21	31-Dec-20	44,545,575	189,526.09	29-Jan-21
22	29-Dec-20	22	25-Jan-21	47,609,910	202,563.76	23-Feb-21
23	03-Mar-21	23	31-Mar-21	13,481,331	57,358.41	28-Apr-21
24	23-Apr-21	24	19-May-21	28,305,821	100,414.10	18-Jun-21
25	08-Jun-21	25	06-Jul-21	35,431,501	148,527.77	03-Aug-21
26	10-Aug-21	26	05-Sep-21	17,707,706	75,340.18	05-Oct-21
27	15-Oct-21	27	07-Nov-21	17,127,417	72,871.15	10-Dec-21
28	24-Dec-21	28	08-Jan-22	25,132,074	106,928.19	18-Feb-22
29	14-Feb-22	29	07-Mar-22	59,115,357	294,753.05	11-Apr-22
30	04-Apr-22	30	21-Apr-22	58,643,597	249,508.29	30-May-22
31	21-Jun-22	31	05-Jul-22	29,871,706	124,079.66	16-Aug-22
32	04-Aug-22	32	09-Aug-22	51,238,120	207,000.99	29-Sep-22
33	06-Oct-22	33	25-Oct-22	20,063,157	85,361.70	01-Dec-22
34	23-Jan-23	34	01-Apr-23	275,168,491	181,613.07	20-Apr-23
35	30-Jan-23	35	09-Feb-23	32,451,979	138,072.09	27-Mar-23

Total Amount in LC & FC (1USD=100.73PKR) (LC70:FC30) 1,662,425,459 6,010,356
Total Amount Certified including LC & FC (Rs.) 2,267,848,634
Accepted Contract Amount 2,713,972,595
Disbursement Progress with respect to ACA 83.56%

Details of Interim Payment Certificates of RAR-02 – Contractor CGGC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				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
2	08-Mar-22	2	04-Apr-22	12,351,687	58,456.46	25-Apr-22
3	12-Jan-23	3	11-Feb-23	88,509,251	387,133.92	15-Mar-23

Total Amount in LC & FC (1USD = 104.445 PKR) (LC 60: FC 40) 934,389,801 4,439,583
Total Amount Certified including LC & FC (Rs.) 1,398,082,087.12
Accepted Contract Amount 6,253,407,194
Disbursement Progress with respect to ACA 22.36%

Details of Interim Payment Certificates of TL-01 – Contractor PCCC						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				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

**Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)**

Appendix F [5/6]

32	08-Nov-19	2019/08	12-Nov-19	21,865,545		23-Dec-19
33	21-Nov-19	2019/09	27-Nov-19	14,948,404		05-Jan-20
34	13-Dec-19	2019/10	17-Dec-19	9,763,128		27-Jan-20
35	13-Jan-20	35	16-Jan-20	6,289,821		27-Feb-20
36	05-Feb-20	36	15-Feb-20	8,269,057		21-Mar-20
37	08-Mar-20	37	11-Mar-20	16,622,182		22-Apr-20
38	12-Apr-20	38	17-Apr-20	14,685,515		27-May-20
39	06-May-20	39	11-May-20	8,674,392		20-Jun-20
40	20-Jun-20	40	29-Jun-20	11,492,085		04-Aug-20
41	14-Jul-20	41	16-Jul-20	17,479,360		28-Aug-20
42	28-Aug-20	42	28-Aug-20	15,535,731	641,006.25	12-Oct-20
43	12-Sep-20	43	16-Sep-20	22,738,054		27-Oct-20
44	29-Oct-20	44	03-Nov-20	18,357,848		13-Dec-20
45	13-Nov-20	45	18-Nov-20	79,002,100		28-Dec-20
46	22-Dec-20	46	28-Dec-20	18,101,938	12,934.08	05-Feb-21
47	22-Jan-21	47	27-Jan-21	28,895,993		08-Mar-21
48	26-Feb-21	48	26-Feb-21	18,046,595		12-Apr-21
49	22-Mar-21	49	27-Mar-21	12,177,261		06-May-21
50	11-Apr-21	50	15-Apr-21	105,933,373		26-May-21
51	15-Apr-21	51	24-Apr-21	8,659,218		30-May-21
52	18-Jun-21	52	26-Jun-21	22,498,685		02-Aug-21
53	06-Jul-21	53	08-Jul-21	22,274,250		20-Aug-21
54	24-Aug-21	54	02-Sep-21	6,968,066		08-Oct-21
55	24-Sep-21	55	01-Oct-21	5,436,112		08-Nov-21
56	06-Dec-21	56	15-Dec-21	14,485,408		20-Jan-22
57	18-Jan-22	57	27-Jan-22	8,255,319	17,028.08	04-Mar-22
58	08-Feb-22	58	11-Feb-22	119,768,095		25-Mar-22
59	23-Mar-22	59	24-Mar-22	27,388,195		07-May-22
60	22-May-22	60	27-May-22	8,921,704		08-Jul-22
61	06-Jul-22	61	22-Jul-22	9,959,510		20-Aug-22
62	26-Jul-22	62	01-Aug-22	19,934,095		09-Sep-22
63	26-Sep-22	63	07-Oct-22	15,673,379		10-Nov-22
64	02-Nov-22	64	16-Nov-22	7,380,082		17-Dec-22
65	17-Dec-22	65	11-Jan-23	10,140,134		31-Jan-23
66	02-Jan-23	66	17-Jan-23	6,452,224		16-Feb-23
67	28-Mar-23	67	11-Apr-23	7,531,974		12-May-23

Total Amount in LC & FC 1,199,214,547 1,307,509
Accepted Contract Amount Rs 1,583,325,237 \$ 2,017,927
Disbursement Progress with respect to ACA 76% 65%
Total Contract Amount (Rs.) 1,785,117,937

Details of Interim Payment Certificates of RV(Re-bid) – Contractor KGL						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	12-Jul-19	1 (Adv. Pay)	17-Jul-19	130,963,036		07-Aug-19
2	09-Mar-20	2	25-Mar-20	19,802,834		22-Apr-20
3	09-May-20	3	20-May-20	9,411,827		17-Jun-20
4	15-Aug-20	4	24-Aug-20	24,116,398		21-Sep-20
5	10-Oct-20	5	26-Oct-20	15,274,462		23-Nov-20
6	10-Dec-20	6	20-Dec-20	19,475,809		17-Jan-21
7	01-Feb-21	7	25-Feb-21	14,543,732		25-Mar-21
8	02-Apr-21	8	16-Apr-21	13,480,239		14-May-21
9	04-Jul-21	9	24-Jul-21	6,466,245		21-Aug-21
10	22-Nov-21	10	25-Nov-21	5,016,366		23-Dec-21
11	01-Apr-22	11	15-Apr-22	6,534,788		13-May-22
12	22-Aug-22	12	15-Sep-22	11,770,977		13-Oct-22
13	30-Dec-22	13	21-Jan-23	17,618,681		18-Feb-23
14	26-Mar-23	14	12-Apr-23	40,913,207		10-May-23

Total Amount in LC 335,388,601 -
Total Amount Certified (Rs.) 335,388,601.00
Accepted Contract Amount 654,815,181
Disbursement Progress with respect to ACA 51.22%

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

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix F [6/6]

8	06-May-21	8	03-Jun-21	8,090,729	127,265.24	01-Jul-21
9	24-Nov-21	9	20-Dec-21	29,671,210	101,302.52	19-Jan-22
10	31-Dec-21	10	24-Jan-22	59,080,621	172,441.90	25-Feb-22
11	13-Apr-22	11	27-Apr-22	58,760,674	94,065.,32	08-Jun-22
12	18-Sep-22	12	10-Oct-22	8,191,493	85,705.12	13-Nov-22
13	04-Apr-23	13	12-Apr-23	3,516,127	85,277.14	30-May-23

Total Amount in LC & FC (1USD = 104.8462 PKR) (LC 30:FC 70) 304,078,647 3,098,157
Total Amount Certified including LC & FC (Rs.) 628,908,650.13
Accepted Contract Amount **1,120,509,415**
Disbursement Progress with respect to ACA **56.13%**

Details of Interim Payment Certificates of LBRV-12 – Contractor M/s Zongmei						
Sr. No.	Application Received	IPC number	IPC's Issued Date	Amount Certified		
				Local Currency	Foreign Currency	Due Date
1	23-Jun-17	1 (Adv. Pay)	04-Jul-17	75,233,228	1,222,084	25-Jul-17
2	05-Feb-20	2	18-Feb-20	5,697,404	126,794.70	01-Apr-20
3	05-Jun-20	3	15-Jun-20	6,263,338	139,389.45	31-Jul-20
4	09-Nov-20	4	01-Dec-20	5,732,406	127,573.68	04-Jan-21
5	03-Dec-20	5	29-Dec-20	7,530,157	167,582.29	28-Jan-21
6	05-Jul-21	6	24-Jul-21	8,933,670	198,817.22	30-Aug-21
7	25-Dec-21	7	08-Jan-22	7,712,692	171,644.56	19-Feb-22
8	28-Mar-22	8	23-Apr-22	36,548,959	150,462.38	23-May-22
9	30-May-22	9	26-Jun-22	28,572,688	61,502.53	25-Jul-22
10	01-Oct-22	10	27-Oct-22	46,629,121	124,209.29	26-Nov-22

Total Amount in LC & FC (1USD = 104.8462 PKR) (LC 30:FC 70) 228,853,663 2,490,060
Total Amount Certified including LC & FC (Rs.) 489,927,002.26
Accepted Contract Amount **1,016,820,466**
Disbursement Progress with respect to ACA **48.18%**

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

Total Amount in LC & FC (1USD = 105.3 PKR) (LC 70:FC 30) 54,937,530 182,814
Total Amount Certified including LC & FC (Rs.) 74,187,844.20
Accepted Contract Amount **370,939,497**
Disbursement Progress with respect to ACA **20.00%**

APPENDIX G

Details of Claims/Notifications

Appendix G: Details of Claims/Notifications

Sr. No.	Claim Register No. & Claim Title	Short Description of Contractor's Submission	Claimed		Assessed		Engineer's/PM Action/Status
			Cost (PKR)	Cost (USD)	Cost (PKR)	Cost (USD)	
Details of Claims/Notifications of KKH-01 – Contractor CCECC							
1	KKH-01/C-1/C-4 Unification of C-1 and C-4 Disruption and Delay in Site Possession	Contractor submitted nos. of Interim submissions. First interim submission was made on 18/06/17.	728,709,218				The Engineer's replied dated 20/07/2017 . Principle of claim was approved. Contractor's substantiation for Additional cost awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.
		On 14/10/18, Contractor submitted his claim for running cost of Dasu office - [Mar 2017 to Aug 2018]	7,836,150				The Engineer asked the Contractor to provide justification for the subject claim. Awaiting Contractor's substantiation.
		On 13/08/18, Contractor submitted Cost Claim - Extension of Workman Insurance	6,236,907		5,597,225		The Engineer recommended Interim entitlements- dated 13-Oct-2018 . The Employer agreed to include the Claim Cost 5,330,690 excluding the 'Profit' in IPC. (dated Employer's letter 24-03-2020) Claim Paid.
		On 08/04/19, Contractor submitted Cost Claim - Extension of CAR Insurances	62,860,388		58,410,095		Employer accorded approval on 23/10/20 to pay 55,628,662 PKR, as per actual receipts.
		On 18/05/19, Contractor submitted Cost Claim - Extending the Advance Payment and Performance Guarantees	2,337,028	319,282	913,470	259,661	The Employer was requested to verify the supporting doc of the claim - dated 1-Jun-2019 . The Initial assessment of the claim was sent to both parties for their agreement.(dated 23-Dec-2019). Awaiting the Employer's Response
		On 18/08/19, Contractor submitted Claim for 2nd extension of Workmen Compensation (WC) policy with effect from 1st August 2019 to 31 July 2020	4,820,243		4,265,702		Actual reimbursement for 2nd extension of WC Insurance policy may be agreed - [21-April-2020]. On 27-April-2020, Contractor's agreement subject to few condition was conveyed to Employer. Employer shared MSC comments. Engineer replied on 4-Oct-2020. Employer replied to process it after 3rd EOT approval.
		23-02-2022, Contractor's Cost claim regarding extension of Insurances and Guarantees	156,432,253	510,140	130,918,270	481,256	the Engineer issued his assessment/determination on 25-04-2022
2	KKH-01/C-5 Force Majeure-Heavy Rainfal and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to heavy rain caussed land sliding and blockage of KKH					The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 28-04-2016 (Ref:16-043) Contractor's substantiation awaited
3	KKH-01/C-6 Interference of Local	On 09/05/2016 the Contractor notified claim for extension of time and additional cost due to Stoppage of works by Interference of Locals at Uchar					The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 11/05/2016 (Ref: 16-051) Contractor's substantiation awaited
4	KKH-01/C-7 Delayed Drawings	On 19/05/16 Contractor notified claim for extension of time and additional cost Incurred by Delayed Cross Section Drawings					The Engineer asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 23-05-2016 (Ref:16-060) Contractor's substantiation awaited
5	KKH-01/C-8 Cost of Damage to Loader	On 20/06/16, Contractor submitted his Cost details of the lost loader	9,010,118				The principle of the Contractor's claim is disapproved. DHC letter - dated 9-Aug-2017.(Ref:028) Claim Disapproved
6	KKH-01/C-9 Uchar Slope Collapse	On 05/06/2016 the Contractor motified claim for extension of time and additional cost due to Huge Slope Collapse at Uchar.					The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 20-07-2016 (Ref:16-086) Contractor's substantiation awaited
7	KKH-01/C-10 Stone Slide EOT	On 14/07/2016 the Contractor motified claim for extension of time and additional cost due to Huge Stone Slide at Barseen					The Engineer acknowledged and asked the contractor to submit full and detailed particulars via

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [2/14]

							DHC letter dated 04/08/2016 (Ref:16-100) Contractor's substantiation awaited
8	KKH-01/C-11 Dumping at Barseen EOT	On 02/09/2016 the Contractor notified claim for extension of time and additional cost due to difficulty in Dumping at Barseen Spoil Bank					The Engineer acknowledged and asked the contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter dated 05-09-2016 (Ref:16-109) Contractor's substantiation awaited
9	KKH-01/C-12 Development of Crack near Barseen EOT	On 31/08/16, Contractor notified claim for Time and Cost Incurred by stoppage of work due to development of 40m Crack					The Engineer asked the contractor to submit full and detailed particulars. DHC letter - dated 19-09-2016 (Ref:113). Contractor's substantiation awaited.
10	KKH-01/C-13 Revised Drawings issuance and Cancellation	On 27/12/16, Contractor notified claim for Time and Cost Incurred due to Delay in Construction, Revised Design and instruction					The Engineer asked the contractor to submit full and detailed particulars. DHC letter - dated 10-01-2017 (Ref:010). Contractor's substantiation awaited.
11	KKH-01/C-14 Reducing of R.O. W, increase in gradient of slopes and change in alignment	On 08/01/18, Contractor notified claim due to the certain design changes owing to reducing the R.O.W, and change of alignment of works					The Engineer asked the contractor to submit full and detailed particulars DHC letter - dated 10-01-2018 (Ref:007). Contractor's substantiation awaited
12	KKH-01/C-15 Delays in provision of the NOC required for crushing plant	On 25/01/18, Contractor notified claim due to Employer's lack of assistance and delays in obtaining NOC's required for Crushing Plant.					The Engineer asked the contractor to submit full and detailed particulars DHC letter - dated 29-01-2018(Ref:031). Contractor's substantiation awaited
13	KKH-01/C-16 Vandalization of Contractor's Generator	On 06/08/18, Contractor notified Claim for Generator used for dust control at Shaal Area was found vandalized.					The Contractor was advised to submit contemporary records in support of your claim. DHC letter - dated 09-Aug-2018 (Ref:138). Contractor's substantiation awaited
14	KKH-01/C-17 Claims on account of reduction in rate of work	On 03/09/18, Contractor notified Claim on account of non-payment of IPC No. 7.					The Contractor advised to clarify the extent to which he intends to reduce rate of progress. DHC letter - dated 6-Sep-2018. Contractor's substantiation awaited
15	KKH-01/C-18 Delayed Drawings or Instructions	On 16/05/19, Contractor notified claim for Stoppage of works at K5+743 and Issuance of revised drawings from K6+500 to K8+500 under the same GC Sub clause i.e. 1.9					DHC letter - dated 20-May-2019 (Ref:152) Contractor's substantiation awaited
16	KKH-01/C-19 Force Majeure-strike by 80 Members Dam Committee	On 08/10/19, Contractor notified Force Majeure that was instigated by the protest of the 80-Member Dam Committee. Works' stoppage period [18 Sep 19 to 4 Oct 19]					DHC letter - dated 12-Oct-2019 (Ref:349) Contractor's substantiation awaited
17	KKH-01/C-20 Interference due to other Employer's Contractor	On 05/12/19, Contractor notified - Delays due to interference from Employer's other Contractor pursuant to Sub-Clauses 2.3, 4.6, 20.1, & 8.4.					DHC letter - dated 14-Dec-2019 (Ref:414) Contractor's substantiation awaited
18	KKH-01/C-21 Claim due to outbreak of -Corina Virus (2019-nCoV)	On 16/03/20, Contractor notified claim for Site progress delay caused by inconvenient material mobilization (Steel), purchasing and other impacting due to 2019-nCov under GC 19.4, 3.1, 13.7					DHC letter - dated 8-April-2019 (Ref:077) and 24-July-2020 (Ref:167) Contractor's substantiation awaited
19	KKH-01/C-22 Claim due to due to Shortage of Fuel	On 13/06/20, Contractor notified Intention to claim extension of time and additional cost due to shortage of fuel under Sub Clause 8.4 and Sub-Clause 19.4 of General Condition of Contracts.					DHC letter - dated 29-June-2020 (Ref:145) Contractor's substantiation awaited
20	KKH-01/C-23 Demobilization of Labour belongs to Gilgit	On 28/03/21, the Contractor notified calim due to Demobilization of Labour belongs to Gilgit					DHC letter - dated 1-Apr-2021 (Ref:063) Contractor's substantiation awaited
21	KKH-01/C-24B Stoppage of work by dismissed employees and locals.	On 8/07/21, the Contractor notified calim due to stoppage of work by dismissed employees and locals.					DHC letter - dated 24-Aug-2021 (Ref:147) Contractor's substantiation awaited
22	KKH-01/C-24A IED Blast Incident	On 2/08/21, the Contractor notified calim due to stoppage of work due to IED Blast Incident					DHC letter - dated 13-Aug-2021 (Ref:144) Contractor's substantiation awaited
23	KKH-01/C-25 Increase in PST	On 17/12/21, the Contractor notified claim for additional cost due to change in legislation in KPK PST rate from 1% to 2%.					DHC letter - dated 27-December-2021 (Ref:193) Contractor's substantiation awaited
25	KKH-01/C-26 Inundation of Contractor's	On 13/08/2022, the Contractor notified its intention to claim for Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah					DHC letter - dated 31-August-2022 (Ref:134) Contractor's substantiation awaited

	Uchar Camp due to Flooding in Uchar Nullah								
	KKH-01/C-26A - April 2023	On 19/04/2023, the Contractor notified its intention to claim for Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah							DHC letter - dated 26-April-2023 Contractor's substantiation awaited
26	KKH-01/C-27 Closure of KKH due to Flash Floods	On 28/08/2022, and 30/08/2022 the Contractor notified its intention to claim for additional cost and time due to closure of Karakoram Highway because of Flash Floods							DHC letter - dated 01-September-2022 (Ref:135) Contractor's substantiation awaited
27	KKH-01/C28 Heavy snow and rainfall	On 11-02-2023, the Contractor submitted the notice of claim for additional cost and time due to heavy snow and rainfall.							The Engineer registered the claim on 17/02/2023
28	KKH-01-C-29 Increase in sales tax from 17% to 18%	On 25-02-2023 the Contractor submitted the notice to claim for additional cost due to the increase in sales tax from 17% to 18%.							The Engineer registered the claim on 2/03/2023
29	KKH-01/C30 Imposition of New Super Tax 4C - April-2023	On 14-03-2023 the Contractor submitted the notice to claim for additional cost due to the Imposition of New Super Tax 4C.							The Engineer registered the claim on 18/04/2023
Details of Claims/Notifications of RAR-01 – Contractor CCECC									
1	RAR-01/C1-C4 Unfication of C-1 and C-4 Disruption and Delay in Site Possession		104,304,865			-			The Engineer's replied dated 20/07/2017. Principle of claim was approved. Contractor's substantiation for Additional cost awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.
		On 13/01/19 Contractor submitted Price adjustment claim for period of Sep 2016 to Sep 2018	15,527,857						The Engineer forwarded his recommendation to the Employer on 20-3-2019. The WAPDA agreed in principle, however on basis of actual additional cost instead of using Formulae. The Engineer asked the Contractor to submit detail claim EOT wise (19/12/19). Contractor's substantiation awaited
		The Contractor on 7-09-2022 and 14-10-2022 submitted the Inflation Claim for Section of Works K0 to K12.	366,166,698	399,480	275,168,491	181,613			The Engineer made his determination on 27-Oct-2022 via DHC letter DHC/DASU/WAPDA.RAR-01/PM22-098 Claim Paid
		On 04/08/18 Contractor submitted claim for Reimbursement of Premium- Extension of Workman Insurance	2,873,330		2,578,930				The Engineer recommended Interim entitlements - dated 13-Oct-2018. The Employer agreed to include the Claim Cost 2,455,838 excludes the 'Profit,' in IPC. (dated Employer's letter 25-03-2020) Claim Paid.
		On 08/04/19 Contractor submitted claim for 2nd Extension of Workman's Insurance	2,851,616		2,649,721				Engineer's assessment shared with both parties on 28/05/19. The Contractor partially agreed. The Employer has accorded formal approval as per insurer verified receipts i.e., Rs 2,523,554/- [DHC Ref: 115 dated 14-July-2020]. Claim Paid.
		On 09/08/20 Contractor submitted claim for Extension of Workers Compensation (WC) Insurance Policy from 9th March 2020 to 8th March 2021	2,190,993						Engineer will proceed Sub-Clause 3.5 [Determinations], after the 4th EOT is accorded by the Employer and/or the Engineer completes its assessment on EOT. [31-Aug-2020].
		On 08/04/19 Contractor submitted claim for Extension of All Risk Insurance Works, Equipment and Third party liability	12,132,400		11,273,469				Engineer's assessment shared with both parties on 28/05/19. The Contractor partially agreed. The Employer has accorded the formal approval as per the insurer verified receipts i.e., Rs 10,736,637 - [DHC Ref: 115 dated 14-July-2020]. Claim Paid.
		On 18/05/19 Contractor submitted Claim - Extending the Advance Payment Guarantee and Perfomance Guarantee	4,683,011	70,888.15	2,348,945.00	60,581.25			The Employer was requested to verify the supporting doc of the claim. DHC letter - dated 1-Jun-2019 (Ref:161) . The additional contemporary record was provided by Contractor at end of August 2019. The Engineer shared his assessment with both parties on 29-Nov-2019. Awaiting the Employer's Response. [Contractor]
		23-02-2022, Constructor's Cost claim regarding extension of Insurances and Guarantees	26,305,766	60,212.00	22,238,918.00	56,039.24			the Engineer issued his assessment/determination on 12-04-2022
		On 18th Sep 2022 and 18th Oct 2022, Contractor submitted the claim for additional management cost for delayed period.	253,941,282		165,844,406				1. The Engineer provided his determination on 29th Dec 2022. 2. The Engineer changed the status from "determination" to

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [4/14]

							<p>"assessment" on 30th March 2023.</p> <p>3. The Engineer replied to the queries raised by CCC WAPDA and GM C&M WAPDA regarding Engineer's Assessment of Contractor's Interim Cost Claim (Quantification) for On-Site Management overhead cost during the Extended Time (EOT No. 1 & EOT No. 2) on 11th April 2023.</p> <p>4. The Engineer replied to the Employer's Comment regarding Engineer's Assessment of Contractor's Interim Cost Claim (Quantification) for On-Site Management overhead cost during the Extended Time (EOT No. 1 & EOT No. 2) on 19th April 2023.</p>
2	RAR-01/C-05 Force Majeure-Heavy Rainfal and Land sliding	On 11/04/2016 the Contractor notified claim for extension of time and additional cost due to haevy rainfal and land sliding (Force Majuere)					<p>The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 28-04-2016 (Ref:16-029) Contractor's substantiation awaited</p>
3	RAR-01/C-6 Delayed Drawings EOT	On 19/05/16 Contractor notified claim for Time and Additional Cost Incurred by Delayed Cross Section Drawings					<p>The Engineer asked the contractor to submit full and detailed particulars according to 1.9 "Delayed Drawings or Instructions" & 20.1 "Contractor's Claim". DHC letter - dated: 24-05-2016 Contractor's substantiation awaited</p>
4	RAR-01/C-7 Stoppage of works by local people	On 9/10/2016 the Contractor notified claim for extension of time and additional cost due to stoppage of work at construction of retaining wall by local people					<p>The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 17-10-2016 (Ref:16-080) Contractor's substantiation awaited</p>
5	RAR-01/C-8 Stoppage of work by local resident	On 31/07/2017 the Contractor notified claim for the extension of time and additional cost due to stoppage of campaction by local resident					<p>The Engineer asked the Contractor to submit full and detailed particulars according to sub clause 20.1 "Contractor's Claim" via DHC letter - dated 03-08-2017 (Ref:17-017) Contractor's substantiation awaited</p>
6	RAR-01/C-09 Force majeure linked to massive land sliding at K6.	On 07/03/19 Contractor notified claim for Extension and Additional Cost due to stoppage of works - Force majeure linked to massive land sliding at K6.					<p>The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. DHC letter - dated: 08-03-2019 (Ref:042) Contractor's substantiation awaited</p>
7	RAR-01/C-10 Force Majeure - Heavy Rain	On 22/08/19 & 27/08/19 Contractor notified claim for Extension and Additional Cost due to Force Majeure- Heavy Rainfall					<p>The Engineer asked the contractor to submit full and detailed particulars according to 20.1 "Contractor's Claim" of GCC. DHC letter - dated: 4-9-2019 (Ref:168) Contractor's substantiation awaited</p>
8	RAR-01/C-11 Force Majeure-strike by 80 Members Dam Committee	On 08/10/19 Contractor notified claim for Force Majeure that was instigated by the protest of the 80-Member Dam Committee. Works' stoppage period [18 Sep 19 to 4 Oct 19]					<p>DHC letter - dated 12-Oct-2019 (Ref:202) Contractor's substantiation awaited</p>
9	RAR-01/C-12 Claim due to outbreak of -Corina Virus (2019-nCoV)	On 15/07/2020 Contractor notified claim for Site progress delay caused by inconvenient material mobilization (Steel), purchasing and other impacting due to 2019-nCov under GC 19.4, 3.1, 13.7					<p>DHC letter dated 24-July-2020 (Ref:124) Contractor's substantiation awaited</p>
10	RAR-01/C-13 Claim due to due to Shortage of Fuel	On 13/06/20 Contractor notified claim for Intention to claim extension of time and additional cost due to shortage of fuel under Sub Clause 8.4 and Sub-Clause 19.4 of General Condition of Contracts.					<p>DHC letter - dated 29-June-2020 (Ref:104) Contractor's substantiation awaited</p>
11	RAR-01/C-14 Damages Due to Massive Land Sliding	On 2/08.21, Notice of Claim - Damages Due to Massive Land Sliding Blocking of RAR-01					<p>DHC letter - dated 24-Aug-2021 (Ref:096) Contractor's substantiation awaited</p>
12	RAR-01/C-15A 2021- Change in Legislation -KPK PST	on 17th Dec 2021, Notice of Claim- Increase in KPK provisional Slaes Tax.					<p>DHC letter- dated 27th Dec 2021 (Ref: 137) Claim Registered</p>
13	RAR-01/C-15B Rainfal-Land Sliding and Blockage of RAR-01	On 3rd Sep 2021 the Contractor requested to register claim regarding Rainfal and landslidig as RAR-01/C-15					<p>DHC letter-dated 08-Sep-2021 (Ref:105) Claim Registered</p>
14	RAR-01/C-16 Land and Social Issues of Komila Bypass	On 30 May 2022 the Contractor notified the claim for extension of time and additional cost due to delay in land aquisition and social issues on Komila bypass					<p>DHC letter-dated 02-June-2022 (Ref:054) Claim Registered</p>

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [5/14]

15	RAR-01/C-17 Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah	On 13/08/2022, the Contractor notified its intention to claim for Inundation of Contractor's Uchar Camp due to Flooding in Uchar Nullah					DHC letter - dated 31-August-2022 (Ref:076) Contractor's substantiation awaited
16	RAR-01/C-18 Closure of KKH due to Flash Floods	On 28/08/2022 and 30/08/2022 the Contractor notified its intention to claim for additional cost and time due to closure of Karakoram Highway because of Flash Floods					DHC letter - dated 01-September-2022 (Ref:077) Contractor's substantiation awaited
19	RAR-01/C19 Increase in sales tax from 17% & to 18%	On 25-02-2023 the Contractor submitted the notice to claim for additional cost due to the increase in sales tax from 17% to 18%.					The Engineer registered the claim on 2/03/2023
20	RAR-01/C20 Imposition of New Super Tax 4C - Apri-2023	On 14-03-2023 the Contractor submitted the notice to claim for additional cost due to the Imposition of New Super Tax 4C.					The Engineer registered the claim on 18/04/2023
Details of Claims/Notifications of TL-01 – Contractor PCCC							
1	TL-01/C-1Idle Cost Claim [Direct Cost]	On 14/02/18, Contractor submitted idle Direct cost claim for the period of 2-Nov-2015 to 31-Dec-2016	7,109,690		3,766,650		Employer's approval to pay in IPC recieved on 2-8-2019. Claim Paid.
		On 14/11/18, Contractor submitted idle Direct cost claim for the period of 1-Jan-2017 to 31-April-2018	2,676,159		1,736,075		Employer's approval to pay in IPC recieved on 5-8-2019. Claim Paid.
2	TL-01/C-1 Overhead Claim (Management, offices camp etc) - [Indirect Cost]	On 04/03/19, Contractor submitted Overhead Claim (Management, offices camp etc) - [Indirect Cost] claim for the period of June 2016 to March 2018	161,670,931		74,679,085		Employer's approval to pay recieved on 23-10-20. Claim Paid.
	TL-01/C-1 2nd Interim claim Overhead Claim (Management, offices camp etc) - [Indirect Cost]	On 04/03/19, Contractor submitted Overhead Claim (Management, offices camp etc) - [Indirect Cost] claim for the period of April 2018 to April 2020	149,088,173		119,786,095		Employer's approval to pay recieved on 31-1-22. Claim Paid.
	Chinese Staff's Social Insurance	On 06/07/20, Contractor submitted Chinese Staff's Social Insurance June 2016 to December 2019	65,054,640				Contractor agreed that this claim to be considered alongwith other Management claim.
	3rd Interim Management Cost Claim for Social insurances of Chinese Staff	On 14/04/2022 the Contractor submitted his 3rd interim management cost claim for social insurances of Chinese Staff for the period of June 2016 to Dec 2019	32,602,984		28,843,299		The Engineer sent his evaluation to the Employer for approval on 1-06-2022
3	Tentative and Abortive Claim	On 18/07/20, Contractor submitted Tentative and Abortive Claim.					DHC/Dasu/PCCC/TL-01/rar/21-049 dated 15th April 2021 the Contractor withdraw his claim
4	TL-01/C-2 Equitable Adjustment EoT	On 08/02/16, Contractor submitted Equitable Adjustment Claim.	18,988,060		-		Assessment of "No Entitlement" submitted to WAPDA, and suggested to reply to Contractor - dated 23 February 2016. Claim Disapproved
5	Reduction in rate of Progress	On 08/03/17, Contractor submitted Reduction in rate of Progress claim for period of 11/10/2016 to 17/02/2017.	27,860,000		-		Explanatory Note submitted to WAPDA on 29 April 2017. Claim Disapproved
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 assesement submitted on 10-Jul-2018 . The Employer agreed with PM Assesement. Contractor replied on 12-11-19 that he did not agreed with PM assesement.
		On 18/02/19, Contractor submitted claim for Additional Charges for care & Custody of Grid Station Equipment from April 2018 to Nov 2018	2,393,313		227,025		Project Manager assesement submitted on 3-Sep-2019 . The Employer agreed with PM Assesement. Contractor replied on 12-11-19 that he did not agreed with PM assesement.
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/DP/DHPP/AD(C)TL-01/43B/9245-49 dated 15-11-2019
		On 22/04/19, Contractor submitted claim for Additional charges - Extension of Insurance and Guarantee Policies			4,720,820		Claim Paid GM/DP/DHPP/Contracts/TL-01/43/6869-73 dated 1/12/2021
8	Relocation of Tower route	On 14/01/19, Contractor's Notice of Claim with regard to Relocation of Towers					DHC letter - dated 18-January-2019. (Ref:010) Contractor's substantiation awaited.
9	Perceived Disruption to Excavation Work	On 28/02/19, Contractor notified Claim for Delayed land acquisition and ROW issues					DHC letter - dated 3-March-2019 (Ref:043). Contractor's substantiation awaited.
10	Price Adjustment for Market Inflation	On 18/02/19, Contractor submitted Claim for Price Adjustment as a result of market inflation during the extended period of work.	126,787,385		72,664,514		Principle of Claim submitted DHC letter DHC/Dasu/PCCC/TL-01/cad/22-087 dated 29th May, 2022.

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [6/14]

							<i>Delay Analysis required by the Contractor Engineer provided assessment report on quantification for agreement of both parties, on 6-1-2023 (23-005)</i>
11	TI-01/C-8 Redesign and difficulty in execution of Grid Station	On 22/05/19, Contractor submitted Claim for Additional cost on account of redesigning of Grid Station.	47,157,647		3,898,986		The Project Manager <i>issued Principle of claim and assessment.</i> 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/DP/DHPP/Contracts/TL-01/43/6869-73 dated 2-12-2021
13	Claim Documentation for Guarantee Charges Before Effective Date	On 20/03/20, Contractor submitted claim for Cost of maintenance of guarantees from issue date till to effective date	1,600,914				Contractor agreed in meeting to <i>withdraw</i> 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 <i>withdraw</i> this claim Ref. letter # DHC/DASu/PCCC/TL-01-cad/22-054 dated 21Mard 2022
15	Outbreak of Corona Virus (2019-nCoV)	On 02/04/20 Contractor notified Force Majeure under GC Sub-Clause 37.1 due to outbreak of COVID19.					DHC letter - dated 15-April-2020 Awaiting for Contractor's detailed submssion
16	TL-01/C-09 Right of Way	On 10/04/20, Contractor notified Notice for Extension in Time due to RoW issue					DHC letter - dated 18-April-2020 Awaiting for Contractor's detailed submssion
17	TL-01/C-10 Slow Progress by Land Owner's Labour	On 12/03/21, Contractor notified Notice for additional cost due to Slow Progress by Land Owner Labour hired to assist the Employer in resolving RoW issue					1. PM replied via DHC/Dasu/PCCC/TL-01/CAD/22-015 dated 24th January 2022 Awaiting for Contractor's detailed submssion. 2. The Project Manager "Mom" after Conducting Meeting with the Contractor and asked the Contractor for submission of additional particulars April 2023
18	TL-01/C-11 Transportation and loading/unloading of Power Transformer	On 6th May 2021, the Contractor submitted a notice of calim regarding additional cost for the power transformer transportation and other associated costs					DHC letter - dated 1st June-2021 The Engineer registered the subject claim
Details of Claims/Notifications of DASU-MW-01 – Contractor CGGC							
1	MW-01/C-01 Claims for Additional Cost and Time due to delay of Land Handing Over	Contractor submitted 14 nos. of Interim submissions from Jun 23 2017 to Aug 31 2020. First submission was submitted on 18-Aug-2017					<i>The Engineer's replied dated 26 September, 2017. Principle of claim was approved. Contractor's substantiation for Additional cost and EOT awaited. Contractor provides expense record in interim submissions with out establishing+H91+H89:192+H89:193+H8+H89:117</i>
		Contractor submitted prolongation claim on 14-06-2022 at cut-off date 14-07-2021	8,115,076,911	77,805,148			<i>The Engineer shared his preliminary report on principle of claim with both parties to have consensus on principles. The Engineer had various consultation meetings with the Employer and Contractor regarding disscussion on evaluation.</i> The Engineer is forwarded the Engineer's Response on Principle of Claim to both the Parties For Consultation on th March & April 2023
		Contractor submitted Head Office claim on 14-06-2022 at cut-off date 14-07-2021	8,451,631,110				The Engineer submitted the Principle response on 18-02-2023 Ref: (127)
2	MW-01/C-02 Adjustment to Contracts Price due to change in legislation (Withholding Tax)	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in the Income Ordinance (2001). Contractor submitted Claim notification dated 22/12/2017.					<i>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.</i> Additional documents are awaited to determine Time bar implication.
3	MW-01/C-03 Disruption Claim - [Work	Contractor submitted on [24/07/2020] first Interim disruption Claim for the Period up to Jan 2019	48,630,356				Engineer's princple of claim sent on 12-01-2021

	Hindrane by Local Residents]	Contractor again submitted on interim claim on 14-06-2022 due to disruption of local people upto Jan 2019	3,480,934	33,374		Engineer replied on 05-07-2022 with comments and asked for additional substantial documents in support of the claim On 1-Aug-2022, the Contractor was once again asked to provide additional substantial documents. Contractor's Response awaited
4	MW-01/C-04 Damage to Contractor's Industrial Water Pipe due to unexpected Mud-Rock Flow in Uchar Area	On [18/08/2018], Contractor submitted his claim for Damage to Contractor's Industrial Water Pipe due to Unexpected Mud-Rock Flow in Uchar				The Engineer, on 20-09-2018, assessed and replied that the principle of the Contractor's Claim is disapproved pursuant to 19.4. Claim denied.
5	MW-01/C-05 Work hindrance by Local Residents	The Contractor submitted his claim notifications on 05/09/2018 and 29/10/2018 for additional cost and EOT due to strike by local residence.				The Engineer replied that the strike was done by Contractor's own employees. Without admitting Employer's liability, the Engineer asked, on 5-11-2018 (Ref:442), the Contractor for the submission of detail claim. Contractor's substantiation awaited.
6	MW-01/C-06 Delay in Issuance of Drawings	The Contractor notified the intent to claim due to delay in the review of shop drawings [29/10/2018]				Engineer Replied on 5-11-2018 (Ref:443) Contractor's substantiation awaited.
7	MW-01/C-07 Provision of Electricity	The Contractor's intention to claim due to non provision of Electricity [26/02/2019]				Engineer Replied on 18-03-2019 . The Contractor is fully responsible for the provision of electricity. Claim denied.
8	MW-01/C-08 Work Stoppage due Landslide Incident	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - Contractor submission on 16/02/2019 and 17/04/2019.	37,280,470			Replied on 18-03-2019 and 17-05-2019. The formal notice of your intention to claim was provided outside of the 28 days' time-bar. Claim denied.
		The Contractor submitted a revised claim on 14-06-2022 after DB's decision Contractor provided the revised submission on 06-02-2023	5,572,820			Replied on 05-07-2022 and asked for additional substantial documents in support of the subject claim. Contractor's response is awaited The Engineer asked for the supporting documents on 24-02-2023 Ref:(191) Contractor's substantiation is awaited.
9	MW-01/C-09 Change in Legislation Additional (Custom Duty/Tax on Import of Goods)	On 18/08/2019, Contractor Claim under a Change in Legislation due to the levy of additional customs duties and regulatory duties on the importation of Goods. Contractor submitted Interim Claim No 2 (Feb 2019 to Dec 2019) - dated 23/08/2020.	56,780,851	404,333		Principle of claim issued -DHC/Dasu/CGGC/MW-01/cad/21-491 dated 17th Nov 2021
		The Contractor on 14-06-2022 submitted claim for additional charges due to increase in various import taxes, at the cut off date 31 Dec 2019	54,369,672	521,282		The Engineer's assessment is shared with both parties on 8 January 2023. The Employer informed on 27th February 2023 that they are reviewing the assessment.
		The Contractor on 08-09-2022 submitted claim for additional charges due to increase in various import taxes, from Jan 2020 to Dec 2021				The Engineer responded on 12-Sep-2022 reiterating his stance as given in the Principle of Claim issued on 17-Nov-2021 and asked the Contractor to submit the Claims in accordance with the Principles The Engineer and the Contractor had a consultation meeting on 15-Oct-2022 and Contractor agreed to provide the working as per Engineer's Principles of Claim. Evaluation report sent for agreement of both parties on 8-01-2023 (Ref:23-019)
		The Contractor on 01-04-2023 submitted 2nd Interim claim for MW-01 For additional charges due to increase in various import taxes, at the cut off date 31 Dec 2021	45,824,047	439,348		The Engineer replied on 10-April-2023.DHC/DASU/CGGC/MW-01/CAD/23-286 for submission of supporting particulars.
10	MW-01/C-10 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to "Force Majeure- strike by 80 Members Dam Committee" - [13/10/2019]				The Engineer replied on 25-Oct-2019. CGGC/MW-01/CD/DHC-510 dated 29th October 2019 DHC/DASU/CGGC/MW-01/you/19-401 dated 2-Nov-2019 EOT Claim to be considered in revised time for variation
11	MW-01/C-11 Unforeseeable Cost due to Co-operation	On 04/09/2020, Contractor submitted first Interim Claim for the Period up to Dec 2018	10,280,007			Engineer's principle of claim sent on 12-03-2021
12	MW-01/C-12 Outbreak of Corina Virus (2019-nCoV)	Contractor submitted nos. of interim Direct Cost claim for the Period up to 31 Jan 2021				The Engineer provided detailed response on 9/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract. Principle of Claim denied.

		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 7-06-2022					Claim Denied DHC/Dasu/CGGC/MW-01/CAD/22-502 dated 22-09-2022
		The Contractor submitted interim claim of direct cost due to covid-19 on 09-07-2022, 25-09-2022 and 27-09-2022					The Engineer replied on 30-Sep-2022 Claim Denied
13	Claim for Crusing Plant and Batching Plant	Contractor submitted detail claim on 4-09-2019					The payment made in IPCs on pro-rata basis.
		The Contractor submitted revised claim on 12-04-2022	412,817,975	3,957,986			Engineer on 24-06-2022 sbmitted Principle of Claim
14	MW-01/C-13 Firing incident at River Diversion inlet area	Contractor submitted detail claim on 22-03-2021	224,592,226				Engineer Replied on 25-02-2021 (Ref:090). .
		The Contractor submitted revised claim on 14-06-2022 Contractor submmitted the revised claim submission on 25-01-23	28,925,585				Engineer's Principle of Claim sent on 30-08-2022 Contractor has been asked to resubmit the claim Contractor's Entitlement to claim accepted under Sub-Clause 8.8 and 8.9 The Engineer asked for the supporting documents on 22-02-2023 Ref:(142) Contractor's substantiation is awaited.
15	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					Engineer's princple of claim sent on 26-03-2021 Principle of Claim denied.
		The Contractor submitted revised claim on 14-06-2022	6,822,489	65,412			Engineer's princple of claim sent on 05-07-2022 Principle of Claim denied.
16	MW-01/C-14 Claim regarding 14-July Blast incident	On 24/07/21, Contractor notified claim due 14-July Blast incident	1,174,806,795	11,263,728			Engineer Replied on 12-08-2021 (Ref:358). Contractor's substantiation awaited. Engineer evaluated EOT of 103 days on 1-1-2023 (Ref:23-001) Further Engineer will issue the Principle of claim after evaluating the Prolongation Claim
17	MW-01/C-15 Amended Reinforcement Design	On 20/03//2022, the Contractor notified its itnent to claim due to amended reinforcement design					DHC letter - dated 09-April-2022 (Ref:144) Contractor's substantiation awaited.
18	MW-01/C-16 Flood in Uchar Nullah	On 31/07/2022 and 10/08/2022, the Contractor notified its itnent to claim due to Flood in Uchar Nullah					DHC letter - dated 15-August-2022 (Ref:402) Contractor's substantiation awaited.
19	MW-01/C-17 Natural Catastrophe	On 27/08/2022, the Contractor notified its itnent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					DHC letter - dated 05-September-2022 (Ref:441) Contractor's substantiation awaited.
20	MW-01/C-18 Change In Legislation	On 20/02/2023, the Contractor notified its itnent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					DHC letter - dated 25-Feb-2023 (Ref:000) Contractor's substantiation awaited.
Details of Claims/Notifications of DASU-MW-02 – Contractor CGGC							
1	MW-02/C-01 Claims for Additional Cost and Time due to delay of Land Handing Over	Contractor submitted 14 nos. of Interim submissions from Jun 23 2017 to Aug 31 2020. First submission was submitted on 18-Aug-2017					The Engineer's replied dated 28 September, 2017 on principle of claim, and provided detail comments on contemporary records . Principle of claim approved. Contractor's substantiation for Additional cost and EOT awaited. Contractor provides expense record in interim submissions with out establishing cause-effect link.
		The Contractor submitted prolongation cliam at cut-off date 14-07-2021	5,191,161,238	49,771,488			Arranged a discussion meeting with the Contractor's personnels and asked for required substatial documents in support of the claim The Engineer is working on Principle of Claim. Target date is 30-Nov-2022 The Engineer is forwarded the Engineer's Response on Principle of Claim to both the Parties For Consultation on th March & April 2023
2	MW-02/C-02 Additional Cost due to Change in Legislation	Withholding tax was increased from 6% to 7% after the Base Date as a result of adjustments in the Income Ordinance (2001). Contractor submitted Claim notification dated 22/12/2017.					Engineer asked the Contractor to submit additional supporting data for the Engineer to comment on principle of claim. Additional documents are awaited to determine Time bar implication.

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [9/14]

	MW-02/C-03 Effective access to PTDC camp area	The Contractor on 23-01-2018 submitted claim due to prevention of effective acces to PTDC camp area resulting stoppage of work.					Engineer registered the claim as MW-02/C-03 for future correspondenses
4	MW-02/C-04 Delay in Issuance of Drawings	The Contractor has notified the intent to claim due to delay in the review of shop drawings - [29/10/2018]					The Engineer (date 5 Nov. 2018) replied. Contractor's substantiation awaited.
5	MW-02/C-05 Provision of Electricity	The Contractor's intention to claim due to non provision of Electricity - [26/02/2019]					The Contractor is fully responsible for the provision of electricity [Ref: date 18-March-2019] Claim denied.
6	Work Stoppage due to Landslide Incident	Suspension of Work from 15 to 18 January: Claim for EOT and Costs - [17/04/2019]	18,371,545				Formal notification of the Contractor's intention to claim was provided outside of the 28 days' time-bar- [Ref: date 8-May-19] Claim denied.
		The Contractor submitted revised claim on 14-06-2022	3,625,362	34,759			The Engineer submitted principle of claim on 5-07-2022. Claim Denied
7	MW-02/C-06 Landslide Incident at Khoshe Labour Camp	Notice of Intent to Claim - Landslide Incident at Khoshe Labour Camp - [26/06/2019]					Engineer replied dated 27-Jul-2019] (Ref:126) Contractor's substantiation awaited.
8	MW-02/C-07 Additional Tax on Import of Goods	On 18/08/2019, Contractor Claim under a Change in Legislation due to the levy of additional customs duties and regulatory duties on the importation of Goods. Contractor submitted Interim Claim No 2 (Feb 2019 to Dec 2019) - dated 23/08/2020.	34,965,138	193,215			Principle of claim issued -DHC/Dasu/CGGC/MW-02/cad/21-215 dated 25th Nov 2021
		The Contractor submitted revised claim on 14-06-2022 for various charges due to increase in Import taxes, at cut off date 31-Dec-2019	30,284,297	290,358			The Engineer responded on 12-Sep-2022 reiterating his stance as given in the Principle of Claim issued on 17-Nov-2021 and asked the Contractor to submit the Claims in accordance with the Principles
		The Contractor submitted revised claim on 08-09-2022 for various charges due to increase in Import taxes, from Jan 2020 to Dec 2021					The Engineer and the Contractor has a consultation meeting on 15-Oct-2022 and Contractor agreed to provide the working as per Engineer's Principles of Claim. The Egnineer provided assessment report for agreement of both parties on 8-01-2023 (Ref:23-009)
		The Contractor on 01-04-2023 submitted 2nd Interim claim For MW-02 for additional charges due to increase in various import taxes, at the cut off date 31 Dec 2021	25,675,480	246,170			The Engineer replied on 08-April-2023. DHC/DASU/CGGC/MW-02/CAD/23-118 for submission of supporting particulars.
9	MW-02/C-08 Stoppage by the 80 Members Dam Committee: Claim for EOT	Claim for EOT due to "Force Majeure- strike by 80 Members Dam Committee" - [13/10/2019]					The Engineer replied on 25-Oct-2019 CGGC/MW-02/CD/DHC-306 dated 29th October 2019 DHC/DASU/CGGC/MW-02/you/19-207 dated 2- Nov 2019 EOT Claim to be considered in revised time for variation
10	MW-02/C-09 Unforeseeable Cost Due to Co-operation	On 04/09/2020, Contractor submitted first Interim Claim for the Period up to Dec 2018	8,418,715				Engineer's princple of claim sent on 12-01-2021 Claim Denied
11	MW-02/C-10 Outbreak of Corona Virus (2019-nCoV)	Contractor submitted nos. of interim Direct Cost claim for the Period up to 31 Jan 2021					The Engineer provided detailed response on 12/10/20. Only EOT may be acceptable. Cost is Contractor's risk under Contract. Principle of Claim denied.
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 7-06-2022					Claim disapproved via Engineer's correspondence dated 30-Sep-2022
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 25-09-2022					
		The Contractor submitted revised interim claim of Direct cost due to Covid-19 on 27-09-2022					
12	LNG Tank Accident - Barseen	Contractor's claim for the idle time as a result of the overturned LNG tank at the Barseen camp - [05/04/2020]	1,028,691				Engineer approved principle of Claim on 28-09-2020 . Asked the Contractor to substantiate actual additional Cost.
		The Cntractor submitted revised claim on 14-06-2022	1,141,280		487,984		The Engineer submitted determination on 02-12-2022 Claim Paid
13	MW-02/C-11 Firing incident at River Diversion inlet area	Contractor submitted detail claim on 22-03-2021	143,164,727				Engineer Replied on 25-02-2021 (Ref:039) Under Review by the Engineer
		Contractor submitted revised claim on 14-06-2022	17,330,619	166,161			Engineer's Principle of Claim sent on 03-09-2022 Contractor has been asked to resubmit the claim. Contractor's entitlement to Claim accepted under Sub-Clause 8.8 and 8.9

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [10/14]

14	Illegal Industrial Action for the Period of January 2021	Contractor submitted detail claim on 20-02-2021					<i>Engineer's principle of claim sent on 26-03-2021</i> Principle of Claim denied.
		The Contractor submitted revised claim on 14-06-2022	1,514,864	14,524			<i>The engineer submitted Principle of claim on 5-07-2022.</i> Claim Denied
15	MW-01/C-12 Claim regarding 14-July Blast incident	On 24/07/21, Contractor notified claim due 14-July Blast incident	607,523,703	5,824,772			<i>Engineer Replied on 12-08-2021 (Ref:144).</i> Engineer evaluated 103 days EOT on 1-1-2023 (Ref:23-001) The Engineer will issue the Principle of Claim after evaluating Prolongation claim. Engineer asked for additional documents on 29-01-23 Ref:(088) Contractor's substantiation is awaited
16	MW-02/Disruption Claim - [Work Hindrance by Local Residents]	Contractor submitted on [24/07/2020] first Interim disruption Claim for the Period up to Jan 2019	2,105,168				<i>Engineer's principle of claim sent on 14-01-2021.Claim Denied.</i>
		The Contractor submitted revised claim on 14-06-2022	76,250	731			The Engineer respond on 05-07-2022 and disapproved the claim
17	MW-02/C-13 Flood in Uchar Nullah	On 31/07/2022 and 10/08/2022, the Contractor notified its intent to claim due to Flood in Uchar Nullah					<i>DHC letter - dated 15-August-2022 (Ref:336)</i> Contractor's substantiation awaited.
18	MW-02/C-14 Natural Catastrophe	On 27/08/2022, the Contractor notified its intent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					<i>DHC letter - dated 05-September-2022 (Ref:372)</i> Contractor's substantiation awaited.
19	MW-02/C-15 Change In Legislation	On 20/02/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					<i>DHC letter - dated 25-Feb-2023 (Ref:000)</i> Contractor's substantiation awaited.
Details of Claims/Notifications of DASU-LBRV-11 – Contractor Zhongmei							
1	LBRV-11/C-01 Perceived Delay in the Issuance of Construction Drawings	On 07/01/19, Perceived Delay in the Issuance of Construction Drawings, January 2019					Replied on 6-Feb-2019 (Ref:033)
2	LBRV-11/C-2U Unified the Work stoppage's claim nos. C-02, C-03, C-04, C-05 under LBRV-11/C-2U dated 20-09-2019	On 03/03/19, Contractor submitted Idle Cost Claim Works' stoppage linked to land acquisition issues	22,075,487		2,530,207		<i>Received Employer's approval via letter No. GM/PD/DHPP/Contracts/LBRV-11/71/13196-13200 dated 06-10-2022</i>
3	LBRV-11/C-06 Extension of Guarantees	On 31/05/19, Contractor submitted Claims for Additional Costs for extending performance & advance security					Replied on 10-Jun-2019 (Ref:102&108)
4	LBRV-11/C-07 Suspension of Works and unforeseeable physical conditions	On 11/09/19, Contractor submitted Notice of Claim - Unforeseeable Man-Made Physical Obstructions and Suspension of Works at RD 0+ 730 on Khoshe Site-1 Permanent Access Road					The responsibility for the safety-related issues rests with the Contractor. Hence, Sub-Clause 4.12 [Unforeseeable Physical Conditions] seems irrelevant under the prevailing Site conditions. DHC letter 21-Sep-2019 (153). 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		Claim certified in IPC #12 [13th October 2022]
7	LBRV-11/C-10 Idle Cost Claim and Extension of Time due work stoppage by locals	The Contractor has submitted monthly interim claims from March 2021 to October 2021 . The Engineer on the Contractor's request has unify these claims and called as 1st interim calim	16,309,614		5,311,025		The Engineer issued his assessment on 13th December 2021 . The Contractor shared his consent on 16th Dec 2021 .
		2nd Interim Claim. From November 2021 to February 2022	3,502,800		3,444,420		The Engineer has issued his assessment to both the Parties on 16th March 2022 for their consent. The Contractor has submitted his consent on 19th March 2022 .
8	LBRV-11/C-11 Prolongation Cost Claim for 1st Extension of Time	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		Claim regarding extending the insurances guarantees certified in IPC #12 [13th October 2022]
					20,714,333		<i>The Engineer issued his assessment to the Employer and to the Contractor on 19-12-2022</i>

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [11/14]

	due to non possession of sites						
8	LBRV-11/C-13 Cost Claim for the recovery of Loss	on 5th March 2022, the Contractor has submitted notice of claim related to the cost claim for the recovery of loass due to the omission of Works under LBRV-11					The Engineer on 9th March 2022 acknowledged the Contractor's notice of claim and instructed him to follow strictly the time line for the submission of detailed claim.
9	LBRV-11/C-14 Cost Claim for the change in legislation (PST)	the Employer served a notice to claim to the Contractor on 13-12-2022					The Engineer registered the claim on 11-01-2023.
-							
1	LBRV-12/C-01 Rock Fall Incident at Zero Point	On 20/06/19, Contractor notified Claims for Additional Costs and Time due to a suspension of the Works on account of a Rock Fall Incident at ZeroPoint					Engineer replied on 11-Feb-2019 (Ref:016) . No further particulars submitted by the Contractor to date
2	LBRV-12/C-02 Nasirabad-2 Site's Access Road	On 18/03/19, Contractor notified Claim -Due to Stoppage Work at Nasirabad-2 Site's Access Road					Employer accorded approval to pay in IPC 23-8-2022 Claim Paid
3	LBRV-12/C-02a Nasirabad-1 & 2 Site's Access Road	on 22/09/2019 Contractor notified Claim -Due to Stoppage Work by 80 member dam committee at Nasirabad-1&2 Sites.	1,341,148.80		547,679		Employer accorded approval to pay in IPC 22-12-2021 Claim Paid
4	LBRV-12/C-03 Extension of Guarantees	On 31/05/19, Contractor notified Claim for Additional Costs for extending performance & advance security					Engineer replied dated 10-Jun-2019 (Ref:043 & 044) This claim has merged in "LBRV-12/C-06
5	LBRV-12/C-04 Claim due to outbreak of Carona Virus (COVID-19)	On 28/03/20, Contractor notified Force Majeure under Sub-clause 19.2 [Notice of Force Majeure].	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 26-6-2022 Claim Paid
7	LBRV-12/C-06 Prolongation Cost Claim for 1st Extension of Time due to non possession of sites	on 2nd May 2021, Contractor has submitted prolongation cost claim for 1st interim Extension of Time (EOT) from 26th Dec 2019 - 7th Nov 2020	265,758,451.00		6,951,054.00		The Engineer assess the cost for extending the project insurances and guarantees . Employer accorded approval to pay in IPC 26-6-2022 Claim Paid
					17,234,706.00		The Engineer issued his assessment to the Employer and to the Contractor on 19-12-2022
8	LBRV-12/C-07 Delay in issuance of Drawings	The Contractor on 5th August 2021, has submitted a 1st, 2nd and 3rd interim claim regarding the non issuance of constructions drawings of mosque due to dely in finalization of Mosque location.					The principle of claim has been forwarded to the Contractor and to the Employer on 20th Sep 2021
9	LBRV-12/C-08 Cosr Claim for the recovery of Loss	on 5th March 2022, the Contractor has submitted notice of claim related to the cost claim for the recovery of loass due to the 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.
10	LBRV-12/C-09 Cosr Claim for the change in legislation (PST)	the Employer served a notice to claim to the Contractor on 13-12-2022					The Engineer registered the claim on 11-01-2023.
Total Additional Cost			267,615,620	-	24,919,516	-	
Details of Claims/Notifications of DASU-PCI-01R – Contractor CGICOP							
1	PCI-01R/C-01 Works' stoppage linked to land acquisition issues	On 18/06/19, Contractor Notice of Claim -Works' Stoppage at the Choochang Colony Site-Batching Plant Location					Maintain contemporary records in support of your claim and follow the timeline for the submission of any claims as per the Contract. The Engineer's letter dated 22-Jun-2019 (Ref:061) Notice of Claim has been acknowledged. Waiting for the Contractor's Submission
2	PCI-01R/C-02 Delay in issuance of Drawings	On 03/09/19, Contractor claim Extension of time for delay in issuance of construction drawings. July 1st 2019 to Aug. 22 2019	183,457,765				Engineer considers that the late issuance of construction drawings of residence category 1 & 2 didn't cause any impacts on the Works. The Engineer replied on 26-Aug-2019 (Ref:113), and 29-Aug-

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [12/14]

							2019 (Ref:118) The Engineer replied on 27-Sep-2019 (147) The Contractor's submission only signifies the provision of cost records for expenses. The Engineer submitted the Project's Manager explanatory note on 5th August 2021 Particulars not yet submitted by the Contractor
3	PCI-01R/C-03 Works' stoppage linked to land acquisition issues	On 04/09/19, Contractor claim - Works' Stoppage by House owner in portion-2 near Cat-2 Hostels - 25 July 2019 to 31 August 2019	127,265,692				Maintain contemporary records in support of your claim and follow the timeline for the submission of any claims as per the Contract. The Engineer's letter dated 26-Aug-2019 (Ref:110) The Engineer replied on 27-Sep-2019 (147) The Contractor's submission only signifies the provision of cost records for expenses. Waiting for the Contractor to submit record to substantiate his claim
4	PCI-01R/C-04 Claims for Additional Time due to a Works' stoppage linked to Rainfall	On 07/11/19, Contractor submitted notice claim notice due to Construction Works at the site has been stopped due to exceptionally adverse climatic conditions, and inclement rainfall started on 51h November 2019 and continued till 71h November 2019					The Engineer replied on 14-11-2019 Notice of Claim has been acknowledged. Waiting for the Contractor's Submission
5	PCI-01R/C-05 Claim due to outbreak of corona Virus (COVID-19)	On 16/04/20 and 16/05/20, Contractor submitted two interim claim notice for Coronavirsu Force Majeure that lockdown in parts and parcels, causing major deficiency in supply & transport of materials and manpower required for the Project.					Principle of Cost Claim rejected dated 25-July-2020 (Ref:244)
6	Additional Test-Petrographic	On 04/06/20, Contractor submitted EOT and Cost plus profit	462,483				Principle of Claim was rejected dated 7-July-2020 (Ref:229)
7	PCI-01R/C-06 Claim due to shortage of Fuel	On 25/06/20, Contractor submitted claim notice for extra time and additional Cost due to unavailability of Fuel under Sub-Clause 19.4 read with SubClause 20.1.					Notice of claim has been acknowledged via Engineer dated 29-June-2020 waiting for the Contractor's submission
9	PCI-01/C-07 Notice of Force Majeure due to firing incident at Logro Tunnel	On 13/02/21, Contractor gives the notice of Force Majeure under Sub-clause 19.2 [Notice of Force Majeure]. And submitted Idle cost claim on 19/03/2021.					Engineer acknowledge the receipt of notice on 23-Feb-2021 (Ref: 079) and requested the Contractor to submit detailed particulars to substantiate his claim. Waiting for the Contractor's submission
10	Contractor's cost claim for newnewal insurance policies	Contractor's cost claim for newnewal insurance policies for the extended period of time	10,304,710				The Engineer provided his response via letter No. DHC/Dasu/CGICOP/PCI-01R/CAD/22-248 dated 28-Sep-2022
11	PCI-01R/C-08 KKH Road Blockage	on 29/08/2022, the Contractor submitted a notice of claim under GCC Sub-Clause 19.2 for blockage of main KKH road due to adverse climatic condition causing Flash Flood					Notice of claim has been acknowledged via Engineer dated 14-Sep-2022 waiting for the Contractor's submission
12	PCI-01R/C-09 Employer's Claim regarding Change in Legislation (PST)	The Employer served a notice to claim to the Contractor on 9-12-2022					The Engineer registered the claim on 11-01-2023.
Total Additional Cost			311,185,940				
Details of Claims/Notifications of DASU-RV – Contractor KGL							
1	RV/C-01 Works' stoppage linked to land acquisition issues at Additional Choochang Sites	On 24/12/19, Contractor notified Claim for Additional Costs and Time due to a Works' stoppage linked to land acquisition issues with original landowners at Additional Choochang Sites					Maintain contemporary records in support of your claim and follow the timeline for the submission of any claims as per the Contract. The Engineer's letter dated 28-Dec-2019
2	RV/C-01 Works' stoppage by the original landowners at Shatial Museum Site	On 14/01/20, Contractor notified Claim for Additional Costs and Time due to a Works' stoppage by the original landowners at Shatial Museum Site					The Engineer's letter dated 22-Jan-2020

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix G [13/14]

3	RV/C-03 Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	On 29/09/20, Contractor submitted claim for Re-Handling of Excavated Material at Kuz Choochang Upper and Lower Portion	38,780,332		4,108,731	Claim paid on 21-01-2023
4	RV/C-04 Coronavirus	On 09/04/20, Contractor notified Corona Virus Pandemic affecting its material transportation. Which delays the progress of Works' at the site and resultantly affecting the completion of the project.				The Engineer's letter dated 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.
7	Contractor's claim regarding Price Adjustment	Contractor on 20th December 2022 submitted his claim regarding Price adjustment due to EOT	5,510,783			The Project Manager responses via letter no. 23-006 on 20th January 2023 that the requisite delay analysis is not submitted by the Contractor therefore cannot be assess until the submission of required documents
8	RV/C-08 -April 2023 Change In Legislation	On 17/03/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.				DHC letter - dated 26-April-2023 Contractor's substantiation awaited.
Details of Claims/Notifications of EM-01 – Joint Venture (GE-PC JV)						
1	EM-01/C-01 Potential Impact of Covid-19 Outbreak	On 17/08/2021 the Contractor requested the Employer to register the claim for extension of time and additional cost due to potential impact of Covid-19 outbreak				The Project Manager registered the claim on 14-April-2022 Contractor's Submissions are awaited.
2	EM-01/C-02 Delay in Land Handover for Site Camp	on 12-12-2021 the Contractor submitted 6th interim claim for extension of time and additional cost due to delay in land handover for the Contractor's site camp	23,598,372			DHC letter - dated 10-May-2022 (Ref:112) DHC letter- dated 10-Nov-2022 (Ref:389) DHC letter- dated 6-Dec-2022 (Ref:420) Claim denied
3	EM-01/C-03 Change in Law and Regulations under the Contract	On 9-05-2022 the Contractor notified claim for additional cost due to change in law and regulations under the Contract				The Project Manager, on 23-06-2022, assessed and replied that the principle of the Contractor's Claim is disapproved pursuant to GC Sub-Clause 45.1 Claim denied.
4	EM-01/C-04 Temporary Fencing and ground Leveling	On 28-04-2022 the Contractor notified the claim for additional cost due to providing temporary fencing and ground leveling on site.				The Project Manager, on 22-06-2022, assessed and replied that the principle of the Contractor's Claim is disapproved pursuant to GC Sub-Clause 45.1 Claim denied.
5	EM-01/C-05 Right of Way	On 18-08-2022 the Contractor notified claim due to right of way issues at EM-01 site camp construction.				1. The Project Manager registered the claim on 25-August-2022 Contractor's Submissions are awaited. Engineer submitted principle of claim and the claim rejected on 14-02-23 Red: (041). 2. 5. The Project Manager again reminded the Contractor's comments to the Employer to seek his clarification regarding Employer's Agreement with local landowners on 4th April 2023.
6	EM-01/C-06 Change of Coordination Events	On 5th Nov 2022 the Contractor notified the claim for extension of time due to change in coordination events.				Explanatory note for the Employer has been submitted vide letter DHC/Dasu/WAPDA/EM-01/CAD/22-431 dated 13-12-2022. Wherein the principle of Claim accepted. Principle of claim submitted on 18-03-2023 (Ref:087) Contractor's Submission is awaited
7	EM-01/C-07 Delay in Generation of Financial Instrument (FI) Number by the Employer's Bank	On 6th Dec 2022 the Contractor notified the claim for extension of time and additional cost vide letter Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0457.				1. The Contractor's Submission is awaited 2. The Project Manager extended the proposed time frame for Contractor's final claim submission till 31st May 2023

8	EM-01/C-08 Temporary Storage Cost at Ghazi Brotha	On 6th Dec 2022 the Contractor notified the claim for and additional cost vide letter Dasu-EM-01-LET-JV-WAPDA/DHC-2022-0449.					<i>The Contractor's Submission is awaited</i>
9	EM-01/C-09 Delay in generation of FI number for shipment No 2	On 21-02-2023, the Contractor submitted the notice of claim due to the delay in generation of FI number by the Employer for goods declaration of second batch of shipment.					<i>The Contractor's Submission is awaited</i>
Details of Claims/Notifications of RAR-02 – Contractor CGGC							
1	RAR-02/C-01 Work Stoppage by Locals	On 3-06-2022 the Contractor notified the claim for additional cost and extension of time due to stoppage of work by locals					The Engineer registered the claim on 9-June-2021 Contractor's Submissions are awaited.
2	RAR-02/C-02 14 July Blast Incident	On 24-07-2021 the Contractor notified the claim for additional cost and extension of time due to 14 July 2021 incident					The Engineer registered the claim on 12-Aug-2021 DHC letter - dated 30-May-2022 (Ref:047) Contractor's Submissions are awaited. Engineer evaluated 103 days EOT on 1-1-2023 (Ref:23-001) Engineer asked for additional documents on 30-01-2023 Ref:(017)
3	Notice to Claim due to Lack of Fuel	On 10-05-2022 the Contractor notified the claim for additional cost and extension of time due to lack of fuel					DHC letter dated 12-May-2022 (Ref:037) Claim Denied
4	RAR-02/C-04 Influence of Covid-19 Outbreak	On 30-08-2021 the Contractor notified the claim for additional cost and extension of time due to Covid-19 influence					The Engineer registered the claim on 17-Sep-2021 Contractor's Submissions are awaited.
5	RAR-02/C-5 Flood in Uchar Nullah	On 10/08/2022, the Contractor notified its intent to claim due to Flood in Uchar Nullah					DHC letter - dated 15-August-2022 (Ref:071) Contractor's substantiation awaited.
6	RAR-02/C-6 Natural Catastrophe	On 27/08/2022, the Contractor notified its intent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					DHC letter - dated 05-September-2022 (Ref:077) Contractor's substantiation awaited.
7	RAR-02/C-7 Change In Legislation	On 20/02/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					DHC letter - dated 25-Feb-2023 (Ref:000) Contractor's substantiation awaited.
Details of Claims/Notifications of KKH-02 – Contractor CGGC							
1	KKH-02/C-01 Delay in Handing Over	On 01/06/2022 the Contractor notified the claim for additional cost due to delay in handing over of the land					1. DHC letter - dated 06-June-2022 (Ref:059) Contractor's substantiation awaited. 2.2. The Engineer responded to the Contractor's submittal of Cost Claim and submitted his comments
2	KKH-02/C-02 Occupation of Contractor's Dormitories by Army Personnel	On 04/08/2022, the Contractor notified its intent to claim due to occupation of its Pakistani staffs' dormitories by the Army Personnel					DHC letter - dated 10-August-2022 (Ref:097) Contractor's substantiation awaited.
3	KKH-02/C-3 Flood in Uchar Nullah	On 18/08/2022, the Contractor notified its intent to claim due to Flood in Uchar Nullah					DHC letter - dated 05-September-2022 (Ref:105) Contractor's substantiation awaited.
4	KKH-02/C-4 Natural Catastrophe	On 29/08/2022, the Contractor notified its intent to claim due to exceptionally adverse climatic conditions (Natural Catastrophe)					DHC letter - dated 05-September-2022 (Ref:106) Contractor's substantiation awaited.
5	KKH-02/C-05 Disruption of Works	On 1-02-2023, the Contractor submitted notice to claim for additional cost and time due to disruption of works.					DHC letter - dated 09-February-2023 (Ref:106) Contractor's substantiation awaited.
6	KKH-02/C-6 Change In Legislation	On 20/02/2023, the Contractor notified its intent to claim due to change in legislation occurred due to Enhancement in Standard Rate of Sales Tax from 17% to 18%.					DHC letter - dated 25-Feb-2023 (Ref:000) Contractor's substantiation awaited.
7	KKH-02/C-07 Claim due to heavy rainfall and snow	On 16-02-2023, the Contractor submitted the notice to claim due to heavy rainfall and snow.					DHC letter - dated 06-Mar-2023 (Ref:052) Contractor's substantiation awaited.

APPENDIX H

Variation Status

Appendix H: Variations Status

Status of Variation Orders for RAR-01

Sr. No.	VO Description and Number	Contractor proposal/Engineer's Estimate	Value of Omitted/Reduced Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Security Building	9,155,532		9,155,532	Not executed because Land Possession was not granted
2	VO-002: Installation of electric line and removal of existing poles & wire between K8+339 to K9+100 (dated 16-02-2017)	2,520,225	-	2,520,225	Signed Variation Order was issued on 17-Feb-2017. Work has been completed
3	VO-002A: Construction of Concrete Pavement at start point of DASU RAR-01 [Km 0+000 to Km 1 +590]	35,238,232	42,713,164	(7,474,932)	Signed Variation Order was issued on 17-May-2020. Work has been completed.
4	VO-003: Installation of new Water Supply line & removal of existing Water Supply Pipe Line between K0+000 to K1+590 (dated 01-03-2017)]	2,360,764	-	2,360,764	Signed Variation Order was issued on 01-Mar-2017. Work has been completed.
5	VO-004: Concrete Class "A" Link Road 1,2,3 and FC Yard Road [F-RAR-01-EI-031]	7,096,734	-	7,096,734	Signed VO issued on 11-July-2020. Work Completed.
6	VO-005: Construction of Water channel to feed agriculture land	8,512,251		8,512,251	Signed VO issued on 08-May-2021.
7	VO-006: Construction of Mosque in SEO Village	4,143,986		4,143,986	Signed VO issued on 08-May-2021.
9	VO-007- Komila Bypass	1,077,568,049	1,240,702,760	(163,134,711)	Signed Variation Order (VO-007) was issued on 7th Nov 2021.
8	VO-008: Construction of Safety Barriers around Schools	5,339,122	-	5,339,122	Signed VO issued on 28-April-2022.
9	EI-009 Relocation of Existing Water Supply line between K2+400 to K3+600 (dated 30-05-2016)	1,292,582		1,292,582	Signed and Issued on 30-May-16
10	Construction of RCC Retaining Wall	57,415,037			Variation Order issued on Provisional rates on 31-Oct-2017
Total				(130,188,447)	

Status of Issued Variations for KKH-01

Sr. No.	VO Description and Number	Contractor proposal/Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Security Building (dated 29-01-2017)	9,155,532	-	9,155,532	Superceded by VO-001R
	VO-001: Prefabricated Security Personnel Building (Uchar Camp)	11,987,906	-	11,987,906	Signed VO Issued on 24th June 2022
2	VO-002: Relocation of Explosive Magazine	6,972,310	-	6,972,310	Singed VO Issued on 25-3-2020
3	VO-003: Slope Stabilization at certain areas of Barseen, Kaigah and Khoshe Section	99,638,316	-	99,638,316	Varaition Order signed on 7-Sep-2020
4	VO-004(R): Water Supply Scheme at Kuz Chuchang (K5+500).	663,964	-	663,964	Singed VO Issued on 02-06-2021
5	VO-005: Re-alignment - Tunnels, bridges and culverts	29.413 Billion	7.028 Billion	22,384,659,959	Singed VO Issued on 14-05-2022
6	VO-006: Construction of Safety Barriers around Schools	5,034,513	-	5,034,513	Singed VO Issued on 23-05-2022
7	VO-007: Mitigation Measures for Traffic Safety of Existing KKH	12,586,461	-	12,586,461	Singed VO Issued on 22-05-2022
8	VO-008: Improvement of khooshe Aecess Road	32,072,330		32,072,330	Singed VO Issued on 08-10-2022
9	VO-009: 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	The Engineer issued the certified copy of variation order.
Total				22,574,388,209	

Status of Issued Variations for KKH-02

Sr. No.	VO Description and Number	Contractor proposal/Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-01: Geological investigation of Bridges	44,295,245 (p)	9,904,619	34,390,626	VO issued on 21-02-2023
2	Proposed New Road Alignments With 4 Bridges and 8 Tunnels	29,966,599,000 (p)			Final design review with cost summary submitted via DHC/Dasu/WAPDA/KKH-02/OKK/22-026 dated 25-04-2022 and DHC/Dasu/WAPDA/KKH-02/ibr/22-011 dated 25-04-2022

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix H [2/4]

3	KKH:02/V0-002A Gober Bridge (PC Single Box Girder)	751,420,293 (p)	432,186,875	319,233,418	Instructions Issued on 24 March 2023
4	KKH-02/V0-002B Summer Bridge (PC Single Box Girder)	1,292,735,563 (p)	976,186,375	316,549,188	Instructions Issued on 24 March 2024
5	KKH-02/V0-002C Laachi Tunnel	806,185,215 (p)	484,105,777	322,079,438	Instructions Issued on 24 March 2025
6	KKH-02/V0-002D Looter Bridge (Concrete Arch)	735,186,285 (p)	425,298,030	309,888,255	Instructions Issued on 24 March 2026
7	KKH-02/V0-002E Access Roads				Under Preperation
8	VO-002F/T Construction of 7 Tunnels	11,793,348,285 (p)			Under Preperation
9	VO-002F/BI Construction of 2 PC Single Box Girder Bridges	2,101,893,220 (p)	1,794,604,013.00	12,893,589,601	Under Preperation
10	VO-002F/BII Construction of Concrete Arch Bridge	792,952,109 (p)			Under Preperation
Total				14,195,730,526	

Status of Issued Variations for TL-01

Sr. No.	VO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	CO-001: [Backfilling with concrete instead of filling with Borrow Material in the foundations of the 132 KV Towers]	62,328,200	-	62,328,200	The Employer Issued formal Change Order on 6-Dec-2019. Work is inprogress.
2	CO-002: Double Circuit 220kV type Towers with twin bundle "Rail" Conductor from NTDC's Tower no. JKD-5 to Keyal Khwar HPP instead of Single Circuit ZM type Tower with LYNX from Dubair Khwar HPS to Keyal Khwar	187,054,511	-	187,054,511	The Employer Issued formal Change Order on 3-July-2020.
3	CO-003: Procurement, Installation, Construction and Erection of Tower Types ED & EG.	40,978,335 (p)	25,651,753	15,326,582	Employer issued Pending Change Order on 14-7-2020. Final CO will be issued after finalization of Land matters.
4	CO-004: Procurement of Grid station connectors and hydraulic compression Engine with dyes	-	-		It was a negative Variation and the Employer intends to proceed for approval along with the approval of CO-003
5	CO-005: Providing and laying of random rubble masonry and backfilling of retaining wall located at the grid station	46,660,889	-	46,660,889	The Employer Issued formal Change Order on 26-April-2022.
Total				311,370,182	

Status of Issued Variations for MW-01

Sr. No.	VO Description and Number	Engineer Estimate (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001 : Varied Works of Construction Roads and Platform for Diversion Facilities [Excluding Price Adjustment amount]	967,498,672	-	967,498,672	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-031 dated 16th January 2022.
2	VO-002 : Varied Works for Work Adits of Diversion Facilities [Excluding Price Adjustment amount]	1,275,244,643	-	1,275,244,643	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-034 dated 16th January 2022.
3	VO-03 : Diversion Tunnel Variation [Excluding Price Adjustment amount]	19,804,974,224	9,285,141,634	10,519,832,590	Variations issued on DHC/Dasu/CGGC/MW-01/CAD/21-499 dated 23rd November 2021
4	VO-04A : Varied Works for the traffic Diversion utilizing the LB Flushing Tunnel [Excluding Price Adjustment amount]	1,010,201,407	-	1,010,201,407	Engineer made his determination of Rates - DHC/Dasu/CGGC/MW-01/ys/22-030 dated 16th January 2022.
5	VO-04B : Operation and Maintenance of Traffic Diversion Tunnel	180,936,697			Under Preperation. The Engineer will issue RFP by 15-03-2023.
6	VO-05 : Land Lease for Contractor's Facilities at Purana Gao-Seo Area Phase -1	81,944,089	-	81,944,089	Variation Order signed and issued on 4-July-2020
7	VO-06 : For Provision of Power Supply to No.1 Crushing and Batching Plant	1,772,000,000		1,772,000,000	The Engineer made his determination and issued via DHC/Dasu/CGGC/MW-01/CAD/22-494 dated 26th Sep 2022.
8	Diversion Tunnel Gates and Hoists	3,500,000,000			Under Preperation (The Contractor sent the proposal on 2-01-2023)
9	VO-07 : Permanent Access Road LU2 and CR5-2 Roads	595,000,000			Under Preperation (The Contractor sent the proposal on 22-02-2023)
Total				15,626,721,401	

Status of Issued Variations for MW-02

Total Accepted Contract Amount (PKR)	64,426,426,087
P.S Amount (incl. 13.7, 13.8, 4.12, 7.5) in Contract (PKR)	8,330,000,000

Note: Variations resulting in an increase of the Accepted Contract Amount in excess of five percent (5%) shall require approval of the Employer. Ref 3.1 (b)(ii) Contract Data

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix H [3/4]

Sr. No.	VO Description and Number	Contractor's Proposal (Rs)/ Engineer's Estimate (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO/001: Reinforcement of Main Access Tunnel Portal and Platform	660,190,000 (p)	71,130,000	589,060,000 (p)	The Contractor's proposal is PKR.218,905,467. The final assessment and draft VO document will be submitted in Feb-2023. Expected to be agreed or determined in Mar-2023.
2	VO/002: Tailrace Tunnel (Modification to Circular Tunnel)	6,553,000,000 (p)	4,486,000,000	2,067,000,000 (p)	The Engineer will issue RFP by the end of February 2023.
Total				2,656,060,000 (p)	

Status of Issued Variations for PCI-01R

Sr. No.	VO Description and Number	Contractor's Proposal/ Engineer's Estimate (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Providing and Applying Emulsified Bitumen 2kg/m ²	13,087,205	-	13,087,205	Signed VO issued on 14-09-2021
2	VO-002: Omission of Works related to Raw Water Tank and Slow Sand Filter		177,610,489	(177,610,489)	Signed VO issued on 06-10-2021
3	VO-003: Supply and Installation of 20mm uPVC pipe for A/C drainage	2,579,200	-	2,579,200	The Engineer issued his determination on 25-05-2022
4	VO-004: Supply, fabrication and Installation of window safety grill for project colony buildings	49,508,680	-	49,508,680	Signed VO issued on 14-09-2021
5	VO-005: Providing and installation of 20mm x 20mm metal lath of 18 Gauge in Plaster Works	10,259,865		10,259,865	Signed VO issued on 14-09-2021
6	VO-006: Supply, Installation & Commissioning of Overhead Water Tanks for Project Office & Residences Category-2 Buildings	3,229,430	-	3,229,430	The Engineer issued his determination on 25-05-2022
7	VO-007: Providing & Installation of geotextile on weep holes before the backfilling of retaining walls complete in all respect	371,670	-	371,670	Signed VO issued on 14-09-2021
8	VO-008: External Water Supply to Uchar Site-1	8,466,376	-	8,466,376	Signed VO issued on 14-09-2021
9	Water Supply from Indus River (1st Stage) From Intake to Treatment Plant (existing KKH-01)	88,176,234 (p)		88,176,234 (p)	The Contractor requested to consider the cost of treatment plant and pumps on Provision Sum basis, therefore, when he will submit the quotations, the VO will be finalized accordingly.
	Water Supply from Indus River (2nd Stage) (From existing KKH-01 to Colony Water Tank)	93,076,945 (p)	-	93,076,945 (p)	The rates for 2nd stage has been issued to the Contractor on 13th August 2021. For, pipe related items, the mutually agreed rates were issued to the Contractor on 29th Dec 2021. VO shall be issued after finalization of all rates.
10	VO-010: Modification of Power Cable Size at Project Colony	29,103,816	20,450,032	8,653,784	The Engineer on 01 March 2022 has issued a draft VO via letter DHC/Dasu/CGICOP/PCI-01R/CAD/22-059 to the Employer and to the Contractor for review and consent.
11	VO-011: Supply and Instalation of False Ceiling (Gypsum Board) in Project Office Building. -False Ceiling of Plaster of Paris(Reduced Work)	4,374,000	4,564,382	(190,382)	Singed and issued on 19 July 2022
12	VO-012:Supply and Instalation of Expansion Joint Filler and Backing Rod in Project Office, Community Centre, Hostel Cat-3 and Hospital Buildings	6,066,900		6,066,900	Singed and issued on 19 July 2022
13	VO-013 Omission of 08 Units of Category-4D and Adjacent Road (S-11)		150,991,700	(150,991,700)	Singed and issued to the Contractor on 20 June 2022
14	VO-014 Supply and Installation of False Ceiling Lights in Project Office Building	38,179,140	37,705,434	473,706	Singed and issued on 25 August 2022
15	VO-015 - Replacing Asphalt Surface with Concrete Surface for Main Road and Steep Gradient Roads of Project Colony	30,378,716	20,874,335	9,504,381	Singed and issued on 30th November 2022
16	VO-016 Supply and installation of MS Spiral Stairs in Residence Category-2	21,478,530		21,478,530	Agreed VO issued on 13th February 2023
17	VO-017: Replacing asphalt suraface with concrete pavement for secondary roads of Project Colony	93,843,105	(51,766,271)	42,076,834	signed VO issued on 24-02-2023
18	VO-019: Slope Protection Works at Colony	69,223,320		69,223,320	signed VO issued on 17-03-2023
Total				97,440,488.78	

Status of Issued Variations for EM-01

Sr. No.	CO Description and Number	Contractor's Proposal (Rs)	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	Delays to the execution of the works by other project contractors and subsequent impact on the interfacing and Coordination dates of EM-01 Contract				In order to synchronize the activities of the Contractor and the activities of the other project contractors the Time for Completion of the Coordination Events and the Sectional Completion Events shall be amended, to be calculated from the Effective Date i.e., February 01, 2021 . [DHC Letter 13-07-2020]

Status of Issued Variations for LBRV-11

Sr. No.	CO Description and Number	Contractor proposal/Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Supply and Installation of uPVC Pipe Class-C for External Sewerage System	389,300	1,601,620	(1,212,320)	Signed VO issued on 2-06-2021
2	VO-002- Slope Protection at Uchar Site-1	36,269,633	-	36,269,633	Signed VO issued on 28-05-2022
3	VO-003- Slope Protection at Khoshe Site-1	117,010,745	-	117,010,745	Signed VO issued on 28-05-2022
3	VO-004: Omission of Sites i.e. Uchar-2, Logro-1, 2 and 3		502,659,938	(502,659,938)	VO will be issued after Employer's approval
Total				(350,591,880)	

Status of Issued Variations for LBRV-12

Sr. No.	CO Description and Number	Contractor proposal/Engineer's Estimate	Value of Omitted Work (Rs)	Net Effect of VO (Rs.)	Status
1	VO-001: Slope protection Works at Nasirabad Sites	94,367,950	-	94,367,950	The Engineer has issued a draft Variation order to the Employer and Copy to the Contractor via ref. letter DHC/Dasu/WAPDA/LBRV-12/CAD/22-012 dated 26th February 2022.
	VO-002: Omission of Resettlement Sites Barseen-01, Kaigah-01 and Kaigah-02	715,099,577	715,099,577	(715,099,577)	The Engineer has issued a draft Variation order for approval on 9th sep 2022 via DHC/Dasu/ZEGL/LBRV-12/CAD/22-045
Total				(620,731,627)	

Status of Issued Variations for RV

Sr. No.	CO 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
	VO-005: Providing and lowering water supply GI pipe 100mm dia from Choochang Nullah to Main water tank of RV site	21,448,561		21,448,561	Signed VO issued on 24 February 2023
Total				10,127,338.85	

APPENDIX I

Contract Information

Appendix I: Contract Information

CONTRACTS AWARDED

Sr. #	Contract ICB No.	Base Date	Opening of bid	Letter of Acceptance	Signing of Contract	Date of Commencement	Time for Completion (days)	Original Completion Date	Accepted Contract Amount	Accepted Contract Amount in USD	Accepted Contract Amount in USD	Revised Contract Amount USD	IPC Total Certified Amount	% of Certified amount w.r.t ACA	1st EOT	2nd EOT	3rd EOT	Revised Completion Date	Remarks
Main Works Contracts																			
1	DASU-MW-01	13-Jun-16	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2039	22-Jan-23	PKR 115,003,461,240	1,102,621,872	1,102,621,872	1,252,446,622	34,996,007,575	30.43%	1204	195	103	21-Nov-26	Work Inprogress. Approval awaited for EOT-3
2	DASU-MW-02	13-Jun-16	11-Jul-16	29-Dec-16	08-Mar-17	23-Jun-17	2069	21-Feb-23	PKR 64,426,426,087	617,703,031	617,703,031	643,168,611	12,245,192,321	19.01%	1213	105	103	18-Jun-26	Work Inprogress. Approval awaited for EOT-3
3	DASU-EM-01	31-Jan-18	28-Feb-18	22-Oct-19	25-Nov-19	20-May-20	1856	19-Jun-25	PKR 25,471,001,920	230,506,805	474,490,805	474,490,805	480,570,192		391			29-Mar-27	Work Inprogress. Approval awaited for EOT-1
									US\$ 243,984,000				26,255,955						
Preparatory Works Contracts																			
1	DASU-KKH-01	15-Sep-14	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	546	20-Feb-17	PKR 14,538,852,307	144,334,878	144,334,878	368,442,773	12,931,720,585	88.95%	519	507		21-Jul-24	Work Inprogress. EOT Subject to Variation-005 time
2	DASU-RAR-01	15-Sep-14	13-Oct-14	09-Feb-15	16-Mar-15	24-Aug-15	364	22-Aug-16	PKR 2,713,972,595	26,943,042	26,943,042		2,267,848,634	83.56%	498	408	518	31-Aug-22	Work Inprogress. EOT underprocess. Subject to VC-007 Komila Bypass
3	DASU-TL-01	28-Aug-14	25-Sep-14	03-Mar-15	24-Apr-15	02-Nov-15	230	18-Jun-16	PKR 1,583,325,237	15,833,252	17,851,179		1,199,214,547	75.74%	488	427	514	17-May-20	Work Inprogress. Tentative revised date 1-11-2022 EOT underprocess.
									US\$ 2,017,927			1,307,509	64.79%						
4	DASU-PCI-01	02-Jun-15	30-Jun-15	26-Oct-15	17-Nov-15	02-May-16	728	30-Apr-18	PKR 4,806,000,000	47,210,216	47,210,216		961,199,971						Terminated
5	DASU-PCI-01R	25-Oct-17	22-Nov-17	27-Aug-18	18-Oct-18	20-May-19	728	17-May-21	PKR 4,900,000,009	46,423,496	46,423,496		2,976,399,015	60.74%	532			31-Oct-22	Work Inprogress EOT underprocess.
6	DASU-RV	05-Aug-15	02-Sep-15	17-Nov-15	15-Dec-15	15-Dec-15	546	13-Jun-17	PKR 571,953,818	5,618,407	5,618,407		114,390,751						Terminated
7	DASU-RV (Re-bid)	25-Oct-17	22-Nov-17	23-Apr-19	18-Jun-19	18-Jun-19	546	15-Dec-20	PKR 654,815,181	6,203,839	6,203,839		335,388,601	51.22%				16-May-22	Work Inprogress. EOT granted
8	DASU-KKH-02	29-Sep-15	27-Oct-15	27-Feb-17	25-Apr-17	15-May-22	728	12-May-24	PKR 16,264,917,100	155,727,101	155,727,101	\$ 291,642,947	3,984,863,148	24.50%					Notice of Commencement not issued yet
9	DASU-RAR-02	29-Sep-15	27-Oct-15	22-Jun-16	18-Jan-17	20-May-21	728	18-May-23	PKR 6,253,407,194	59,872,729	59,872,729		1,398,082,087	22.36%					Work Inprogress.
10	DASU-LBRV-11	21-Jul-16	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,120,509,415	10,687,172	10,687,172		628,908,650	56.13%	345			04-Dec-20	Work Inprogress. 2nd EOT underprocess.
11	DASU-LBRV-12	21-Jul-16	18-Aug-16	27-Feb-17	20-Apr-17	26-Dec-18	364	25-Dec-19	PKR 1,016,820,466	9,698,210	9,698,210		489,927,002	48.18%	318			07-Nov-20	Work Inprogress. 2nd EOT underprocess.
12	DASU-RBRV-11	21-Jul-16	18-Aug-16	27-Feb-17	25-Apr-17	To be Decided	364	Depend on Comencement	PKR 370,939,497	3,522,692	3,522,692		74,187,844	20.00%					Terminated

APPENDIX J

Contract Status of Guarantee and Insurance

Appendix J: Contract Status of Guarantee and Insurance

GUARANTEES & INSURANCES

Updated till April, 2023

Sr. #	Contract ICB No.	Advance Guarantee		Performance Guarantee		Insurances				
		Amount	Expiry Date	Amount	Expiry Date	CAW (18.2)	CPM (18.2)	TPL (18.3)	WC (18,4)	Marine Carggo (Import/Inland)
1	DASU-MW-01	PKR 5,556,438,372.00 USD 56,988,569.00	18-Jun-2026	PKR 5,556,438,372.00 USD 56,988,569.00	22-Sep-2023	22-Jan-2023	22-Jan-2023	22-Jan-2023	15-Jul-2023	N/A
2	DASU-MW-02	PKR 3,326,067,613.00 USD 29,880,873.00	18-Jun-2026	PKR 3,326,067,613.00 USD 29,880,873.00	22-Oct-2023	22-Feb-2023	22-Feb-2023	22-Feb-2023	15-Jul-2023	N/A
3	DASU-KKH-01	USD 7,257,158.00 PKR 2,176,756,968.00	12-Sep-2023	PKR 1,453,885,230.70	21-Jul-2025	21-Jul-2024			31-Jul-2024	N/A
4	DASU-RAR-01	PKR 379,956,164.00 USD 1,616,583.00	31-Dec-2023	PKR 271,397,259.50	31-Dec-2023	31-Aug-2023			31-Aug-2023	N/A
5	DASU-TL-01	PKR 166,340,724.00 USD 338,582.75	5-Apr-2024	PKR 178,862,944.00	20-Feb-2024	29-Sep-2024			8-Apr-2023	29-Sep-2024
6	DASU-KKH-02	PKR2,146,910,052.00 USD 10,590,008.00	30-Aug-2023	PKR 1,073,455,026.00 USD 5,295,004.00	20-Apr-2024	12-May-2024	12-May-2024	12-May-2024	15-Jul-2023	
7	DASU-RAR-02	PKR 833,528,863.00 USD 3,993,993.00	31-Mar-2024	PKR 625,340,719.00	30-Sep-2024	17-Aug-2023	17-Feb-2023	17-Aug-2023	15-Jul-2023	
8	DASU-LBRV-11	PKR 83,204,565.00 USD 1,343,848.00	23-Aug-2023	USD 671,924.00 PKR 41,602,282.00	2-Dec-2023	25-Jun-2023	25-Dec-2022	25-Jun-2023	10-Jun-2022	N/A
9	DASU-LBRV-12	PKR 75,233,228.00 USD 1,222,084.00	23-Aug-2023	USD 611,042.00 PKR 37,616,614.00	5-Nov-2023	25-Aug-2023	25-Dec-2022	25-Aug-2023	10-Aug-2022	N/A
10	DASU-RBRV-11	PKR 54,937,530.00 USD 182,814.00	24-Feb-2023	PKR 27,468,765.00 USD 91,407.00	24-Aug-2022	Terminated				
11	Dasu-PCI-01R	PKR 726,119,002.00 USD 2,405,316.00	1-Apr-2024	PKR 363,059,501.00 USD 1,202,658.00	23-Feb-2024	19-May-2023	19-May-2023	19-May-2023	19-May-2023	N/A
12	Dasu-RV	PKR 107,474,520	30-Sep-2023	PKR 65,481,520	14-May-2023	14-Jun-2023	14-Jun-2023	14-Jun-2023	14-Jun-2023	N/A

Near to Expiry
Expired



Reminder Issued
Reminder to be issued



APPENDIX K

Summary of Daily Work Records of MW-01 & 02 and EM-01

Appendix K: Summary of Daily Work Records of MW-01 & MW-02

Daily Work Records of MW-01

March 2023 to April 2023

	26 Sun.	27 Mon.	28 Tue.	29Wed.	30 Thu.	31 Fri.
Diversion Tunnel A INLET Outside	<p>Top slab part 3 slop area Removal formwork and shifting by crane 5:30-14:00Hrs Removal formwork and shifting by crane 19:30-3:00Hrs Gate Slot Right side Removal of form work 05:30-14:00Hrs Surface finishing 05:30-13:30Hrs Removing of form work 19:30-3:00Hrs Transition Part Removal of scaffolding 19:30-3:00Hrs</p>	<p>Left side Removal of scaffolding 6:00-13:00Hrs Removal of scaffolding and shifting 19:30-5:30Hrs Slop area Removal of scaffolding 6:00-14:00Hrs Removal of scaffolding and shifting 19:30-5:30Hrs Gate Slot Right side and left side Concrete surface finishing with grinder 6:30-13:00Hrs</p>	<p>Right wall Transition part Curing of concrete 07:30-17:00Hrs Top slab Part 3 Fixing of reinforcement 7:30-11:30 Hrs Arrangement for pouring of concrete and cleaning 07:30-17:30Hrs Cleaning and arrangement for pouring 19:30-5:30Hrs Right and Left Side Fixing of formwork 8:00-17:30Hrs Fixing of formwork 19:30-5:30Hrs Right side Gabion walls back filling 07:30-17:30Hrs Dumping and leveling 07:30-15:00Hrs Part-1 L+R Wall Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement and cleaning 19:30-5:30Hrs Part-4 Removal of scaffolding pipes 07:30-17:00Hrs Removal of scaffolding pipes 19:30-5:30Hrs</p>	<p>Top slab part-3 Arrangement for pouring of concrete 7:30-15:00Hrs Pouring of concrete 15:30-19:00Hrs Continue Pouring of concrete 19:00-7:00Hrs Continue Right wall and left wall Removal of formwork 07:30-17:30Hrs No work 19:30-5:30Hrs Gate slot area Chipping and repairing of concrete 07:30-17:30Hrs No work 19:30-5:30Hrs Coffer dyke: Dumping and making access to top slab 19:30-5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30-17:30Hrs Removal of scaffolding and formwork 19:30-5:30Hrs Part-1 Fixing of reinforcement and cleaning 07:30-17:30Hrs No work 19:30-5:30Hrs</p>	<p>Top slab Part-3 K0-018.7-K0-025.4 El.790.4-793.9 Pouring of concrete 07:00-19:00Hrs Continue Pouring of concrete 19:00-00:40Hrs Total Quantity 1072m3 Left Side Fixing of reinforcement 19:30-21:30Hrs Gate slot area No work due to rain 7:30-7:30Hrs Coffer dyke: Dumping and making access to top slab 07:30-17:30Hrs Dumping and making access to top slab 19:30-5:30Hrs Dyke Between DTA and DTB Fixing of formwork and scaffolding 20:00-5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30-17:00Hrs No work due to lack of resources 19:30-7:00Hrs Part-1 Fixing of reinforcement and cleaning 07:30-16:00Hrs Part-3 L/W and R/W Grinding concrete surface 08:00-15:00Hrs No work due to lack of resources 19:30-7:00Hrs</p>	<p>Top slab Part-3 K0-018.7-K0-025.4 El.790.4-793.9 Chipping and washing of concrete surface 07:30-17:30Hrs Chipping and washing of concrete surface 17:30-5:30Hrs Right wall and left wall Removal of formwork 07:30-17:30Hrs No work 17:30-6:00Hrs Gate slot area Cleaning of invert surface 07:30-17:30Hrs Finishing with grinder 07:30-17:30Hrs No work 17:30-6:00Hrs Coffer dyke: Dumping and making access to top slab 07:30-17:30Hrs Dumping and making access to top slab 19:30-5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30-19:30Hrs Removal of formwork and scaffolding pipes 19:30-5:30Hrs Part-1 Right wall and Left wall 6th lift K0+002.3-0+019.0 El.777.29-779.79 Pouring of concrete 7:00-13:00Hrs Pouring of concrete 21:00-3:30Hrs Quantity 270m3 Contractor poured concrete without inspection Part-3 L/W and R/W Grinding concrete surface 08:00-15:00Hrs No work 15:00-6:00Hrs</p>
Diversion Tunnel A UNDER GROUND	<p>Downstream K0+800-0+850 Cleaning concrete surface 5:30-13:30Hrs Spraying remedial shotcrete 6:30-14:30Hrs K0+837-0+873 Cleaning of sludge from invert surface 19:30-3:30Hrs K0+845-0+875 Spraying remedial shotcrete ta crown 22:30-3:00Hrs (Qty 3.2m3) K1+365- Left Wall Spraying shotcrete 22:00-00:00Hrs (Qty 8m3) Right Side K1+260-1+380 Cleaning invert surface 6:00-16:00Hrs Outlet Left side K1+444-1+456 Pouring of 1m bedding concrete 5:00-15:00Hrs Qty288m3 Finishing concrete surface 19:30-00:00Hrs Left side K1+456.55-1+468.55 Cleaning invert for 2m bedding concrete 5:30-8:00Hrs Pouring of invert 2m concrete bedding 8:00-17:30Hrs (Qty 327m3) K1+401-1+444 Cleaning of sludge from invert surface 19:30-3:00Hrs K1+432-K1+444 Drilling for invert anchor bars 13:50-16:00Hrs Grouting for invert anchor bars 23:45-00:45Hrs (8pcs grouted) K1+444-1+479 Excavation and mucking 08:00-15:30Hrs Blast 17:55Hrs (Explosive QTY 75kg)</p>	<p>Downstream K0+870-0+850 Cleaning invert surface 5:30-14:00Hrs Spraying remedial shotcrete 6:30-13:45Hrs Spraying remedial shotcrete 21:30-2:30Hrs (Qty 3.2m3) K0+890- Cleaning of sludge from invert surface 8:30-14:30Hrs Cleaning of sludge from invert surface 19:30-3:00Hrs K1+245-1+257 Left side Excavation and mucking 19:30-21:30Hrs Right Side K1+260-1+380 Cleaning invert surface 6:00-16:00Hrs Outlet Left side K1+444-1+456 Pouring of 1m bedding concrete 5:00-15:00Hrs Qty288m3 Finishing concrete surface 19:30-00:00Hrs Left side K1+456.55-1+468.55 Cleaning invert for 2m bedding concrete 5:30-8:00Hrs Pouring of invert 2m concrete bedding 8:00-17:30Hrs (Qty 327m3) K1+401-1+444 Cleaning of sludge from invert surface 19:30-3:00Hrs K1+432-K1+444 Drilling for invert anchor bars 13:50-16:00Hrs Grouting for invert anchor bars 23:45-00:45Hrs (8pcs grouted)</p>	<p>Shifting scaffolding pipes from inside to outside 07:30-15:00Hrs Downstream K0+585-0+597 Left side Cleaning surface for invert concrete 19:30-22:00Hrs Arrangement for pouring 22:00-23:00Hrs Pouring of concrete 3:40-8:30Hrs (Qty 122m3) K1+185-1+197 Left side Finishing of invert 1m concrete surface 7:30-15:00 Hrs K1+197-1+209 Left side Cleaning surface for invert concrete 8:00-17:30Hrs Cleaning surface for invert concrete 19:30-5:30Hrs K1+330 1+350 Left side Invert rock surface cleaning for lean 7:30-17:30Hrs Invert rock surface cleaning for lean 19:30-5:30Hrs K1+360- 1+390 Right side Invert rock surface cleaning and excavation for lean 7:30-17:30Hrs Invert rock surface cleaning 19:30-5:30Hrs K1+473- Right Side and left side</p>	<p>Downstream K0+585-0+597 Left side Pouring of concrete 7:00-08:45Hrs Total Qty=122m3 Finishing of concrete surface 8:45-17:00Hrs K0+597-0+609 Left side Cleaning surface for invert concrete and formwork fixing 8:00-11:30Hrs Cleaning surface for invert concrete 19:30-1:30Hrs K1+197-1+209 Left side Cleaning surface for invert concrete 8:00-11:30 Hrs Surface cleaning for invert concrete 20:00-3:00Hrs K1+330 1+350 Left side Invert rock surface cleaning for lean concrete 7:30-17:30 Invert rock surface cleaning for lean concrete 19:30-5:30 K1+360- 1+390 Right side Invert rock surface cleaning and excavation for lean 7:30-17:30 Invert rock surface cleaning and excavation for lean 19:30-5:30Hrs K1+257- 1+269 Left side Cleaning surface for invert concrete 14:00-17:30Hrs</p>	<p>No work 07:30Hrs-15:00 Hrs Downstream K1+280-1+320 Left side Cleaning surface for lean concrete 8:00-17:30Hrs Cleaning surface for lean concrete 19:30-5:30Hrs K1+444-1+472 right wall and left wall Drilling for anchor bars 16:30Hrs-17:00Hrs Drilling for anchor bars 20:30Hrs-2:00Hrs Grouting for anchor bars 4:00-5:30Hrs R/S K1+355- Drilling for blast 8:30-10:30Hrs Charging for blast 11:25-12:05 Blast 12:25 Mucking 13:15-18:00Hrs R/S K1+370- Drilling for blast 23:00-3:00Hrs Charging for blast 3:00-4:00Hrs Blast 5:00Hrs</p>	<p>L/S K0+410-0+424 Excavation and mucking 07:30-19:30Hrs No work 19:00-6:00Hrs Downstream L/S K0+597-0+609 Finishing of concrete surface 07:30-17:30Hrs No work 19:00-7:00Hrs L/S K0+609-0+621 Pouring of invert concrete 22:15-1:55Hrs Qty: 123m3 Surface finishing of invert concrete 2:00-6:00Hrs K1+197-1+209 Left side Finishing of concrete surface 07:30-17:30Hrs Finishing of concrete surface 17:30-6:30Hrs R/S K1+440-1+450 Making access 07:30-17:00Hrs Making access 17:30-6:00Hrs L/S K1+420-1+440 Invert rock surface cleaning for lean concrete 7:30-17:30Hrs No work 17:00-6:00Hrs K1+330 1+350 Left side Invert rock surface cleaning for lean concrete 7:30-00:00Hrs Pouring of lean concrete 2:00-6:00Hrs K1+257- 1+269 Left side Finishing of concrete surface 07:30-14:30Hrs Finishing of concrete surface 14:30-4:30Hrs K1+440-1+460 Right Drilling for rock bolts 07:30-17:30Hrs Drilling for rock bolts 21:30-3:00Hrs Installation of rock bolts 8m 3:00-6:00Hrs R/S K1+305-1+329 Cleaning sludge from surface 07:30 Hrs-17:30Hrs K1+460-1+480 Right Side and left side</p>

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [2/34]

	Excavation and mucking 20:00-1:00Hrs		Excavation and mucking 7:30-17:30Hrs K1+473- Right Side and left side Protection layer Drilling for blast 21:40-00:30 Charging for blast 00:30-1:50Hrs Blast 1:55Hrs Excavation and mucking 2:30-5:30Hrs K1+464- Left Side Excavation and mucking 7:30-17:30Hrs	Fixing formwork and surface cleaning 20:00-4:00Hrs K1+436-1+479 Right Side and left side Excavation and mucking 7:30-13:00Hrs Spraying a layer of shotcrete 00:00-2:30Hrs K1+475- Drilling for blast 13:00-14:30Hrs Charging for blast 16:30-17:15Hrs Blast 17:30Hrs Excavation and mucking 19:30-4:00Hrs K1+436 1+479 left and right wall Arrangement for first layer shotcrete 21:30-22:00Hrs Spraying first layer shotcrete 22:00-23:00Hrs		Support work and welding steel bars for steel arches 07:30-17:30Hrs Support work and welding steel bars for steel arches 17:00-6:00Hrs
Right Bank Diversion inlet	K0+119- Survey and demarcation for drilling blast 6:45-7:30Hrs Drilling for blast 8:20-12:30Hrs Charging for blast 12:45-13:50Hrs Blast 2:50Hrs Mucking and scaling 20:00-00:00Hrs Charging for additional blast 1:00-1:30Hrs Blast 1:35Hrs Mucking and scaling 2:00-3:00Hrs	K0+119- Mucking and scaling 5:45-9:00Hrs K0+119-0+120.5 Geological mapping 9:00-9:40Hrs Q.v 1.67 First layer of shotcrete 10:30-12:10Hrs Qty 8m3. K0+106-K0+118 2nd layer of shotcrete 12:10-13:30Hrs K0+121- Drilling for blast 20:30-00:20Hrs Charging for blast 00:20-1:15Hrs Blast 1:05Hrs Mucking and scaling 1:40-5:00Hrs	K0+044-0+050 Arrangement for grouting 08:00-09:15Hrs Grouting and installation of rock bolts 09:15-15:00Hrs 38No's and 2No's remaining Grouted and 06 holes collapsed K0+051- Charging for blast 16:00-17:10Hrs Blast carried out at 17:20 Mucking and scaling 19:30:2:00Hrs Charging for additional blast 4:00-4:30 20kg explosive used Removing Plastic cover from steel arches 2:00-5:30Hrs	K0+025-0+035 Removing of rejected shotcrete from steel arches 07:30-14:00Hrs Spraying shotcrete on steel arches 19:30-20:30 K0+051.5-0+053 Arrangement for spraying shotcrete 14:30-15:00Hrs 1st layer of shotcrete 15:00-15:30Hrs Quantity 8m3 K0+044-0+050 2nd layer of shotcrete 16:30Hrs-17:30Hrs Quantity 8m3 K0+50-0+55 Drilling for rock bolts 23:20-1:30Hrs K0+55- Survey for blast 23:20-23:40Hrs Drilling for blast 00:45-6:50Hrs	K0+55- Drilling for blast 08:00-9:00Hrs Charging for blast 20:25-22:30Hrs Blast 22:40Hrs Mucking and scaling 23:00-4:40Hrs Mapping 4:45-5:10Hrs K0+050-0+054 Drilling for rock bolts 9:00-12:00Hrs Arrangement for grouting 14:00-15:00Hrs Grouting for rock bolts 15:15-18:00Hrs 30 No's grouted K0+044-0+050 Drilling for remaining rock bolt 12:00-14:00Hrs Grouting for rock bolts 15:15-18:00Hrs 7 No's grouted	K0+055-0+057 Arrangement for 1st layer shotcrete 08:00-09:30Hrs 1st layer shotcrete sprayed 10:00-10:30Hrs 8m3 K0+025-0+035 Spraying shotcrete on steel arches 10:30-11:30Hrs 8m3 K0+058 Survey for blast 14:30-15:00Hrs Drilling for blast 15:30-00:00Hrs K0+027-0+030 Spraying shotcrete on steel arches 1:30-3:15Hrs 16m3 No work 3:15-7:00Hrs
Right Bank Diversion outlet	K0+119- Survey and demarcation for drilling blast 6:45-7:30Hrs Drilling for blast 8:20-12:30Hrs Charging for blast 12:45-13:50Hrs Blast 2:50Hrs Mucking and scaling 20:00-00:00Hrs Charging for additional blast 1:00-1:30Hrs Blast 1:35Hrs Mucking and scaling 2:00-3:00Hrs	K0+459.5- Survey for blast 7:15-8:15Hrs Drilling for blast 8:30-13:00Hrs Charging for blast 13:00-14:00Hrs Blast 14:09Hrs Mucking and scaling 14:30-15:30Hrs Mucking and scaling 20:00Hrs-2:00Hrs	K0+514.5- Survey for blast 8:30-9:00Hrs Drilling for Blast 9:15-15:00Hrs K0+521-0+517 Arrangement for grouting of rejected rock bolts Grouting for rock bolts 15:30-17:00Hrs 6 No's Grouted and 1 hole collapsed K0+521-0+514.5 Grouting for Remaining rock bolts 17:00-17:30 Arrangements for 2nd layer shotcrete 19:30-20:45Hrs Spraying 2nd layer shotcrete 21:00-22:00Hrs K0+514.5 Charging for blast 22:00-00:40Hrs Blast carried out 00:45Hrs Mucking and scaling 2:00-5:30Hrs	K0+514.5- Mucking and scaling 7:00-10:00Hrs Mapping 10:00-10:30 Hrs Arrangement for 1st layer shotcrete 10:30-11:00 Hrs 1st layer shotcrete sprayed 11:00 Hrs-11:45Hrs Qty 16m3 K0+511- Arrangement for drilling 12:00-14:00Hrs Drilling for blast 14:00-17:30Hrs Drilling for blast 19:30-23:00Hrs Charging for blast 2:45-4:45Hrs Blast 4:50Hrs K0+511-0+515 Drilling for rock bolts 22:00-23:30Hrs Grouting for rock bolts 1:00-2:30Hrs 21Pcs	K0+511-0+508 Mucking and scaling 7:30-15:00Hrs Arrangement for 1st layer shotcrete 15:00-15:30Hrs 1st layer shotcrete sprayed 15:30-16:20Hrs 8m3 2nd layer of shotcrete on steel arches 16:20-17:30Hrs 16m3 Demarcation for drilling rock bolts 17:30-18:00Hrs Drilling for rock bolts 18:00-19:30Hrs K0+508- Survey for blast 20:50-21:10Hrs Drilling for blast 21:30-4:30Hrs Charging for blast 4:45-6:50Hrs Blast 7:00Hrs	Face Ch.K0+508- Mucking and scaling 07:30-15:00Hrs Ch.K0+525-0+518 Arrangement for 2nd layer shotcrete 15:00 Hrs-15:30 Hrs Spraying shotcrete 17:30-18:30Hrs Qty 8m3 No work 16:30Hrs-20:00Hrs Face Ch.K0+508-0+506 Spraying 1st layer shotcrete 16:00-17:00Hrs Qty 8m3 Drilling for blast 2:00Hrs-6:00Hrs
UPSTREAM STARTER DAM	Cut off wall Percussion drilling 05:30-17:00Hrs Percussion drilling 20:00-5:30Hrs Phase I - 7 Slot hole No 3 Drilling for core sampling 5:30-17:00Hrs Drilling for core sampling 19:30-5:30Hrs Phase II-2 Block 06 Pouring of concrete 05:30-12:30Hrs Qty 318.5m3 Phase II-2 Block 07 Fixing of formwork 05:30-16:00Hrs Phase III-5 Block 05 Arrangement for pouring concrete 06:00-13:00Hrs	Cut off wall Percussion drilling 6:30-17:00Hrs Percussion drilling 19:30-5:30Hrs Phase I - 7 Slot hole 03 Drilling for core sampling 5:30-17:00Hrs Drilling for core sampling 19:30-5:30Hrs Phase II-1 Block 04 Fixing of formwork 5:30-12:00Hr. Arrangement for pouring concrete 20:30-21:30Hrs Pouring of concrete 21:30Hrs-3:00Hrs Qty 248m3 Phase II-3 Block 05	Excavation, dumping , leveling and compaction at starter Dam from right side and Left Side downstream 7:30-17:30Hrs Installation and filling of gabion wall 8:00-17:30Hrs Excavation, dumping , leveling and compaction at starter dam from right side and Left Side downstream 19:30-5:30Hrs	Excavation, dumping , leveling and compaction at starter Dam from right side and left side downstream 7:30-17:30Hrs Fixing of formwork for gabion wall 7:30-11:00Hrs	Cut off wall Massive rock back filling 07:30-19:00Hrs Layers compaction 07:30-17:30Hrs Layers compaction 19:30-7:00Hrs Phase 2 slot 8 hole no 1 El.779.0 CH.K0+58-0+68.0 Drilling for core sampling 07:30-17:30Hrs	K0+10.100-0+22 Pouring of concrete for new left bank sedimentation tank 07:30-17:30Hrs Total Quantity 104m3 Phase II slot 8 hole no 1 Core drilling for sampling 07:30-15:30Hrs Core drilling for sampling 15:30-06:30Hrs

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [3/34]

	<p>Pouring of concrete 14:15-22:20Hrs (Qty 260m3) Phase III-5 Block 07 Fixing of form work and reinforcement 05:30-14:00Hrs Arrangement for pouring of concrete 14:00-15:30Hrs Pouring of concrete 00:50Hrs-3:00Hrs continue... Phase III-3 Block 05 Fixing of reinforcement 06:00-15:00Hrs Fixing of reinforcement 19:30-3:00Hrs Phase III-4 Block 03 Fixing of reinforcement 06:00-16:30Hrs I</p>	<p>Pouring of concrete 12:20-17:45Hrs Qty 252m3 Phase III-3 Block 03 Fixing of reinforcement 06:00-12:00Hrs Fixing of reinforcement 19:30-5:00Hrs Phase III-4 Block 05 Fixing of reinforcement 06:00-12:00Hr Phase III-5 Block 7 Pouring of concrete 5:30-11:22Hr. Qty 243m3.</p>				
Traffic Diversion Tunnel	<p>K0+119- Survey and demarcation for drilling blast 6:45-7:30Hrs Drilling for blast 8:20-12:30Hrs Charging for blast 12:45-13:50Hrs Blast 2:50Hrs Mucking and scaling 20:00-00:00Hrs Charging for additional blast 1:00-1:30Hrs Blast 1:35Hrs Mucking and scaling 2:00-3:00Hrs K1+038.2- Geological mapping 6:00-6:30Hrs Preparation for shotcrete 6:30-7:45Hrs First layer shotcrete 7:45-8:30Hrs K0+988- Fixing of wire mesh 7:00-12:00Hrs Fixing of wire mesh 19:30-3:00Hrs K0+920-0+945 Drilling for weep holes 20:00-00:00Hrs K1+026- Drilling for rock bolts 9:00-12:30Hrs Arrangement for grouting 21:30-22:00Hrs Grouting for rock bolts 22:00-23:00Hrs Grouting stop due to breakdown of machine Grouting for rock bolts 1:00-3:00Hrs</p>	<p>K1+036.6- Arrangement for drilling blast 10:00-11:00Hrs Drilling for blast 11:00-14:30Hrs Charging for blast 14:30-15:45Hrs Mucking and scaling 20:00-1:00Hrs Scaling 1:00-1:30Hrs Arrangement for 1st layer shotcrete 2:00H-2:30Hrs Spraying 1st layer shotcrete 2:30-3:00Hrs K1+024-1+035- Grouting for rock bolts 6:30-9:00Hrs 28 PCS grouted K1+330- Arrangement for grouting anchor bars 6:00-11:30Hrs Grouting of anchor bars 11:30-15:00Hrs Grouting of anchor bars 21:00-2:00Hrs</p>	<p>K0+930- Fixing of wiremesh 07:30-16:50Hrs K0+986.5- Arrangement of drilling for blast 11:00Hrs-12:00Hrs Drilling for blast 12:30Hrs-15:20Hrs No work 15:20Hrs-16:38Hrs Charging for blast 16:38-18:00Hrs Blast 18:10Hrs No work 18:10-17:30Hrs Shift change 17:30-19:30Hrs Mucking and scaling 19:30-2:00Hrs Mapping Not done , site Forman did not allow to mapping No work 2:00-2:30Hrs K0+989- Survey for blast 2:30-4:00Hrs Drilling for blast 4:30-5:30Hrs Shift change 5:30-7:30Hrs K1+282.5- (Total drill hole as per site 97) Charging for blast (Exp Qty = 250kg) 07:30-08:40Hrs Blast 08:45Hrs Mucking and scaling 09:45-15:30Hrs Arrangement for shotcrete 19:30-20:45Hrs Sprayed a layer of shotcrete 20:45-21:45Hrs(shotcrete has been sprayed without inspection thus it is unsupervised) K1+338-1+333 Spraying a layer of shotcrete on steel arches 22:00-23:30Hrs K1+291-1+280 Drilling for rock bolts 3:15-5:30Hrs</p>	<p>Ch.K0+989-0+991.5 Charging for blast 7:30-9:40Hrs Blast 9:45Hrs (Explosive used 260Kg total drilled holes 100) Mucking and scaling 10:30-17:30Hrs Shift change 17:30-19:30Hrs No work 19:30-20:00Hrs (Waiting for survey team) K0+991.5- Survey for blast 20:00-20:40Hrs No work 20:40-23:00Hrs Geological mapping 23:00-23:40Hrs K0+986- K0+991.5 Installation of thickness pin 23:40-00:30Hrs 1st layer shotcrete 00:30-2:10Hrs No work 2:10-3:50Hrs K0+982- K0+991 Drilling for rock bolts 3:50-6:00Hrs Shift change to 6:00-7:30Hrs K1+291-1+280 Drilling for rock bolts 7:30-08:00Hrs Drill jumbo breakdown 08:00-10:15Hrs Re drilling for rock bolts 10:15-13:30Hrs K1+283.5-1+281.5 During arrangement of rock bolts grouting a huge portion at crown got collapsed and re-scaling by excavator 14:10-15:00Hrs Spraying shotcrete on collapsed area 17:50-18:20Hrs Drilling for rock bolts 23:30-2:30Hrs Arrangement for grouting 2:30-3:00Hrs Grouting and installation of rock bolts 3:00Hrs-6:00Hrs Qty 24 Pcs</p>	<p>CH.K0+980-K0+991 Drilling for rock bolts 08:00-11:00Hrs No work (due to lunch break) 11:00-12:00Hrs No work (Grouting not started due to unavailability of grout machine) 12:00-16:00Hrs K0+900-K0+910 Remedial shotcrete sprayed 16:00-17:00Hrs 8m3 Shift change 17:00-19:30Hrs No work (waiting for shotcrete machine) 19:30-20:30Hrs K0+930-K0+950 2nd layer shotcrete sprayed 20:30-00:10Hrs K0+980-K0+991 Arrangement for grouting 00:10-23:00Hrs Grouting for rock bolts 23:30-4:30Hrs No work (shortage of resources) 4:30-6:00Hrs Shift change 6:00-7:30Hrs K1+291-1+280 Arrangement for grouting 07:30-08:15Hrs Grouting and installation of rock bolts 08:15-13:30Hrs 56pieces K1+280- Drilling for blast 19:30-21:30Hrs Charging for blast 21:30-22:30Hrs Blast 22:52Hrs Mucking and excavation 23:30-3:00Hrs No work due to lack of resources 3:00-7:00Hrs</p>	<p>Ch.K0+991.5 No work 7:30-9:30Hrs (Waiting for survey team) Survey for blast 9:30-10:30Hrs No work (due to lunch break) 10:30-12:00Hrs Drilling for blast 12:00-14:30Hrs No work 14:30Hrs-15:10Hrs (Waiting for explosive) Charging for blast 15:10-16:00Hrs Explosive 250Kg used Blast and ventilation 16:10-16:40Hrs Mucking and scaling 16:40-18:00Hrs Shift change 18:00-19:30Hrs Mucking and scaling 19:30-4:00Hrs Geological mapping 4:00-4:30Hrs Survey for blast 4:30-5:00Hrs Shift change 5:00-7:30Hrs Face ch.K1+279- Mucking and scaling 07:30-12:30Hrs Geological mapping 13:00-13:30Hrs Q value 0.5 Arrangement for 1st layer shotcrete 13:30-3:00Hrs Spraying 1st layer shotcrete 3:00-3:30Hrs Qty: 6m3 No work 3:30-7:00Hrs</p>
Cable crane foundation (Right Bank)	<p>Elevation 1050-1047 Arrangement for grouting 6:00-10:00Hrs Grouting and installation of rock bolts 10:20-11:30Hrs 21pcs Excavation 8:00-15:30Hrs</p>	<p>EL: 1050-1047 Drilling for rock bolts 9:00-11:00Hrs Grouting and installation of rock bolts 8:10-11:00Hrs (Qty 28pcs grouted) EL: 1050- Excavation 8:00-13:00Hrs</p>	<p>EL.1052- Drilling for rock bolts 08:00-13:00Hrs EL.1055-1052 Excavation 09:00-15:00Hrs</p>	<p>Base Elevation 1019.88 EL:1055 No work</p>	<p>Base Elevation 1019.88 EL:1052-1055 No work due to rain</p>	<p>Base Elevation 1019.88 EL:1052-1055 No work</p>
Uchar New Crushing plant	<p>Batching plant Construction of cable trench at power station 8:00-17:00Hrs Welding works 8:00-16:00Hrs</p>	<p>No work 7:00-17:30Hrs</p>	<p>Batching plant Construction of cable trench at power station 8:00-17:30Hrs Welding works 8:00-15:30Hrs Leveling surface 07:30-11:30Hrs</p>	<p>Batching plant Construction of cable trench at power station 8:00-17:30Hrs Installation of main gates 07:30-17:30Hrs No work 19:30-5:30Hrs</p>	<p>Batching plant Construction of cable trench at power station 8:00-17:30 Welding work 8:00-17:30</p>	<p>Batching plant Breaking stone with jack hammer 07:30-15:00Hrs Breaking stone with jack hammer 15:30-5:00Hrs Fixing main gate 7:30-17:00Hrs Fixing main gate 19:30-5:00Hrs Construction of cable trench at power station 8:00-17:30Hrs Construction of cable trench at power station 19:30-6:30Hrs Welding works 8:00-17:30Hrs Welding works 19:30-05:30Hrs</p>
Kass Camp	No work	No work	No work	No work	No work	No work

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [4/34]

CR-5-2/LU-2	Cable Crane Platform EL. 1032 El:1051-1056 Drilling for blast 6:00-11:00Hrs Drilling for rockbolt 5:30-11:30Hrs	Cable Crane Platform EL. 1032 El:1051-1056 Charging for shallow holes blasting 10:00-11:30Hrs Blast 12:00Hrs Drilling for rock bolts 7:30-13:30Hrs	Making access for left bank cable crane 07:30 Hrs-17:30Hrs Drilling for rock bolts 13:30Hrs-17:00Hrs	Making access for left bank cable crane 07:30 Hrs-13:00Hrs Drilling for rock bolts 08:00 Hrs-13:30Hrs	No work due to rain	Excavation and mucking 08:00-16:20Hrs El.1041-1052 Drilling for rock bolts 08:00-15:00Hrs No work 15:00-7:00Hrs
Siglo RCC Crush plant No. 2 and Batching plant	No work	No work	No work	No work	No work	No work
Right Abutment access road to Cable Crane Platform at D/S (Right bank)	K0+088-093 No work	K0+088-093	K0+088-093	K0+088-093	K0+088-093	K0+088-093

April 2023

Date/Day Location	1 Sat.	2 Sun.	3 Mon.	4 Tue.	5 Wed.
Diversion Tunnel A INLET	Top slab part-3 K0-018.7-K0-025.4 El.790.4-793.9 Chipping and washing of concrete surface 07:30-17:30Hrs Fixing formwork 19:30-5:30Hrs Right wall and left wall Fixing of reinforcement 07:30-17:30Hrs Gate slot area Chipping at walls 7:30-17:30Hrs Fixing sill beam at right side 7:30-17:30Hrs No work 19:30-5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30-17:30Hrs Finishing with grinder at crown portion 07:30-17:30Hrs Arrangement for drilling (drilling for cavity grouting) at crown portion 19:30-5:30Hrs Part 01 Chipping and cleaning 7:30-17:30Hrs Fixing of stirrups and washing 19:30-5:30Hrs	Top slab part-3 K0-018.7-K0-025.4 El.790.4-793.9 Fixing of formwork 7:30-17:30Hrs Fixing of formwork 21:00-5:30Hrs Right wall and left wall Fixing of reinforcement 07:30-17:30Hrs Gate slot area Fixing frame for sill beam right side 7:30-17:30Hrs Fixing frame for sill beam right side 19:30-5:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30-17:30Hrs Finishing with grinder at crown portion 07:30-17:30Hrs Arrangement of drilling holes for cavity grouting at crown portion 7:30-17:30Hrs Drilling for cavity grouting at crown portion 19:30-5:30Hrs Drilling stopped from (1:00-2:30Hrs) Due to electricity break down Part 01 Arrangement for pouring of concrete 7:30-17:30Hrs	Top slab part-3 K0-018.7-K0-025.4 El.790.4-793.9 Fixing formwork and arrangement for concrete pouring 7:30-17:30Hrs Right wall and left wall Fixing of reinforcement 07:30-17:30Hrs Fixing of reinforcement 19:30-5:30Hrs Gate slot area Fixing and welding frame for sill beam right side 7:30-17:30Hrs Fixing and welding frame for sill beam right side 19:30-5:30Hrs Part-4 Removing of formwork and scaffolding pipes 07:30Hrs-17:30Hrs Finishing with grinder at crown section 07:30-17:30Hrs-17:30Hrs Drilling for cavity grouting at crown portion 07:30Hrs-17:30Hrs Removing of formwork and scaffolding pipes 19:30-5:30Hrs Part 01 Steel fixing 07:30-14:30Hrs Arrangement for concrete 14:30-17:30Hrs Arrangements for pouring 19:30-4:30Hrs	Top slab part-3 K0-018.7-K0-025.4 El.790.4-793.9 Fixing formwork and arrangement for pouring of concrete 7:30-17:30Hrs Right wall and left wall Fixing of reinforcement 07:30-17:30Hrs Gate slot area Transition part Removal of form work 7:30-17:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30-17:30Hrs Finishing with grinder at crown portion 07:30-17:30Hrs Drilling for cavity grouting at crown portion 07:30-17:30Hrs No activity due to lack of resources 19:30-7:00Hrs Part-1 K0+002.3-0+019 Fixing stirrups and arrangement for pouring of concrete 07:30-16:00Hrs Pouring of concrete 16:29Hrs-7:00Hrs Continue	Top slab Part 3 K0-018.7-K0-025.4 El.790.4-793.9 Fixing formwork and arrangement for pouring of concrete 7:30-17:30Hrs Right wall and left wall Fixing of reinforcement 07:30-17:30Hrs Gate slot area Fixing and welding frame for sill beam right side 7:30-17:30Hrs Transition part Removal of form work 7:30-17:30Hrs Part-4 Removal of formwork and scaffolding pipes 07:30-17:30Hrs Finishing with grinder at crown portion 07:30-17:30Hrs Drilling for cavity grouting at crown portion 07:30-17:30Hrs No activity due to lack of resources 19:30-7:00Hrs Part 1 K0+002.3-K0+019 Arrangement for concrete 7:30-17:30Hrs Pouring of concrete lift 7th 7:00Hrs-8:00 Hrs 388m3 Removal of concrete pipe line 08:00-10:30Hrs No activity 10:30-17:30Hrs Fixing steel stirrups 19:30-5:30Hrs
Diversion Tunnel A UNDER GROUND	L/S K0+405-0+422 Excavation and mucking 07:30-19:30Hrs Cleaning surface for lean concrete 19:30-5:30Hrs L/S K0+422-0+429 Excavation with jack hammer and mucking 19:30-5:30Hrs Downstream K0+621-0+633 Arrangement for 1m bedding concrete 7:30-20:30Hrs Pouring of 1m bedding concrete 20:35-00:05 Total Qty= 132m3 Surface finishing 00:05-7:00Hrs R/SK1+173-1+221 Excavation and mucking 20:00-2:00Hrs R/S K1+305-1+329 Cleaning sludge from surface 07:30 -17:30Hrs L/SK1+305-1+317 Pouring of concrete 11:40-3:15Hrs Total Qty=136m3 Surface finishing 3:15-5:30Hrs K1+269-1+281 Left side Arrangement for pouring of 1m invert concrete 7:30-13:00Hrs Pouring of concrete 14:00-17:30Hrs Quantity 120m3 Finishing of concrete surface 19:30-2:00Hrs K1+329-1+370 Left side Excavation and mucking 7:30-17:30Hrs K1+370-1+390 Left side Drilling for additional blast of protection layer 23:30-5:00Hrs K1+420-1+436 Right Side Rock surface cleaning for lean concrete 19:30-5:30Hrs K1+440-1+478 Right Side	L/S K0+405-0+429 Rock surface cleaning for invert concrete 7:30-17:30Hrs Rock surface cleaning for invert concrete 19:30-5:30Hrs Downstream L/S K1+209-1+221 Arrangement and cleaning surface for lean concrete 7:30-17:30Hrs Arrangement and cleaning surface for lean concrete 19:30-5:30Hrs K0+621-0+633 Left Side Surface finishing of invert concrete 7:30-17:30Hrs K0+633-0+645 Left Side Arrangement for pouring 1m bedding concrete 7:30-17:00Hrs Pouring of concrete 20:35-22:45Hrs Total Qty=120m3 Surface finishing 22:45-5:30Hrs K1+281-1+293 Arrangement for pouring 1m bedding concrete 7:30-16:00Hrs Pouring of concrete 16:00-20:20Hrs Total Qty=125m3 Surface finishing 20:20-4:30Hrs K1+005- Cleaning sludge from surface 07:30-17:30Hrs L/S K1+305-1+317 Surface finishing of invert concrete 7:30-17:30Hrs K1+317-1+329 Left side Arrangement for pouring 1m bedding concrete 7:30-17:00Hrs Pouring of concrete 23:05-2:15Hrs Total Qty= 136m3 K1+360-1+370 Left side Excavation with jack hammer 7:30-17:30 K1+380-1+400 Left side Charging for blast explosive 75KG used 10:00-11:00Hrs Blast 12:30Hrs Mucking and excavation 13:00-17:30Hrs K1+420-1+436 Right side	L/S K0+405-0+429 Arrangement for 1m bedding concrete 7:30-10:30Hrs Pouring of concrete 10:35Hrs-23:30Hrs Qty=324m3 Surface finishing 23:30-5:30Hrs K0+161-0+049 Remedial shotcrete sprayed 14:30-16:30Hrs 8m3 Downstream L/S K1+209-1+221 Cleaning surface for lean concrete 7:30-12:30Hrs Pouring of lean concrete 12:40-17:38Hrs Qty 168m3 K0+633-0+645 Left Side Surface finishing of invert concrete 7:30-16:30Hrs K0+645-0+657 Surface cleaning for invert concrete 7:30-17:30Hrs L/S K1+329-1+341 Cleaning surface for invert concrete 7:30-17:30Hrs Pouring of concrete 2:30-5:45Hrs Qty=120m3 L/S K1+293-1+305 Pouring of 1m bedding concrete 00:00-3:30Hrs Qty=120m3 K1+353-1+365 Cleaning surface for invert concrete 7:30-17:30Hrs Cleaning surface for invert concrete 19:30-5:30Hrs R/S K1+161-1+200 Invert rock surface cleaning for lean concrete 19:30-5:30Hrs K1+360-1+370 Left side Excavation with jack hammer 7:30-17:30Hrs K1+444-1+474 Right side Drilling for rock bolts 8m and installation 10:00-17:30Hrs K1+469-1+474 Right side Drilling for anchor bars 2:00-5:30Hrs Outlet outside	L/S K0+405-0+429 Surface finishing of invert concrete 7:30-17:30Hrs K0+085-0+129 Cleaning sludge from concrete surface 7:30-17:30Hrs No activity due to lack of resources 19:30-7:00Hrs K0+189-0+297 Spraying remedial shotcrete 9:30-12:00Hrs No activity due to lack of resources 19:30-7:00Hrs Downstream R/S K1+161-1+173 Cleaning of invert for concrete 07:30 Hrs-17:30Hrs Pouring of 1m bedding concrete 3:30-5:15Hrs Qty 116 m3 K0+645-0+657 Surface cleaning for invert concrete 7:30-16:45Hrs Pouring of 1m bedding concrete 00:10-3:20Hrs Quantity 132m3 K1+293-1+305 Arrangement for pouring of concrete 07:30 Hrs-17:30Hrs Arrangement for pouring concrete 19:30 Hrs-5:30Hr L/S K1+329-1+341 Surface finishing of invert concrete 07:30 Hrs-17:30Hrs L/S K1+293-1+305 Surface finishing of invert concrete 07:30 Hrs-17:30Hrs K1+353-1+365 Cleaning surface for invert concrete 7:30-17:30Hrs K1+360-1+370 Left side Excavation with jack hammer 7:30-17:30Hrs Excavation 19:30-5:30Hrs K1+469-1+474 Right side	K0+201- Spraying remedial shotcrete 8m3 11:00Hrs-12:00Hrs Downstream R/S K1+161-1+173 Surface finishing 07:30Hrs-17:30Hrs Right side K1+173-1+185 Cleaning surface for invert 1m bedding concrete 7:30-17:00Hrs Cleaning surface for invert 1m bedding concrete 19:30-4:00Hrs Pouring of concrete 4:00- Cont... Right side K1+185-1+197 Cleaning surface for invert 1m bedding concrete 7:30-17:00Hrs K0+645-0+657 Surface finishing of invert 7:30Hrs-17:30Hrs K0+657-0+669 Cleaning surface for invert 1m bedding concrete 7:30-16:00Hrs Pouring of concrete 21:00-1:55Hrs Qty 118.5m3 K0+837- Cleaning sludge from invert 07:30-17:30Hrs Cleaning sludge from invert 19:30-5:30Hrs K0+405- Cleaning sludge from invert 07:30Hrs-17:30Hrs Cleaning sludge from invert 19:30-5:30Hrs K1+257-1+269 Right side Cleaning surface for invert 1m bedding concrete 13:30-17:00Hrs Cleaning surface for invert 1m bedding concrete 19:30-1:30Hrs Pouring of concrete 2:15-4:25Hrs Qty=130m3 L/S K1+350-1+380 Cleaning rock surface for lean concrete 07:30Hrs-17:30Hrs Cleaning rock surface for lean concrete 19:30-3:00Hrs

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [5/34]

	Drilling for rock bolts 07:30-17:30Hrs K1+444-1+470 Right Side Drilling for anchor bars 21:20-5:00Hrs Shifting of steel guarder 22:30-1:30Hrs K1+460-1+480 Right Side and left side Support work and welding steel bars for steel arches 07:30-17:30Hrs	Pouring of lean concrete 1:45-4:10Hrs Total Qty= 88m3 K1+460-1+480 Right Side and left side Support work and welding steel bars for steel girders 07:30-17:30Hrs Support work and welding steel bars for steel girders 19:30-5:30Hrs	Fixing of form work for slope protection concrete 10:00-17:30Hrs Part 2 Right wall backfill concrete Pouring of concrete 5:00-7:00Hrs Continue	Drilling for anchor bars 8:00-15:00Hrs Grouting for anchor bars 08:00 Hrs-13:00Hrs Grouting for anchor bar 19:30 Hrs-4:00Hrs K1+444-1+465 Right side K1+479-1444 Left Side Arrangement for grouting 08:30 Hrs-09:30Hrs Grouting for 8m rock bolts 9:30-17:00Hrs 39No's L/S and 15No's R/S Grouting for 8m rock bolts 19:30-5:00Hrs 145No's Grouted Outlet outside slope protection area Pouring of concrete 12:13 Hrs-13:30Hrs Quantity 40m3 Part 2 Right wall backfill concrete Pouring of concrete 84.6m3 9:00-12:00Hrs	Pouring of concrete 5:00 continue- K1+469-1+474 Right side Grouting for anchor bars 09:00-17:10Hrs K1+390-1+420 Left side Excavation and mucking 19:30-3:00Hrs Cleaning rock surface for lean 3:00-5:30Hrs K1+479-1444 Left Side Welding support bars for steel arches 07:30-17:30 K1+400-1+444 Right wall Drilling for rock bolts 21:00-2:00Hrs Outlet outside slope protection area Chipping and curing 07:30-17:30Hrs Part 2 Right wall backfill concrete Removing of formwork 07:30-17:30Hrs
STARTER DAM LEFT BANK	Removal of formwork from left bank sedimentation tank 7:30-17:30Hrs Percussion drilling for pilling 19:30-5:30Hrs III-2 Block 4 Fixing of formwork for concrete 7:30-17:30Hrs Drilling for pilling 7:30-17:30Hrs	Phase 2 slot 8 hole No 1 El.779.0 Ch.K0+58-0+68.0 Drilling for core sampling 7:30-17:30Hrs	Cut off wall Phase 1 Slot 9 Hole No 1 Rotary rig drilling for pilling 7:30-17:30Hrs Making slop and leveling at upstream side 7:30-17:30Hrs Massive rock back filling and layers compaction 7:30-17:30Hrs Making slop and leveling at upstream side 7:30-17:30Hrs	Cut off wall Phase 1 Slot 9 Hole No 1 Rotary rig drilling for pilling 7:30-17:30Hrs Making slop and leveling at upstream side 7:30-17:30Hrs Massive rock back filling and layers compaction 7:30-17:30Hrs Fixing formwork and reinforcement for block 2-3 and 4 7:30-17:30Hrs Fixing of rebar for block No 5 7:30 Hrs-17:30Hrs Fixing formwork and reinforcement for block 2-3 and 4 19:30-5:30Hrs Fixing of rebar for block no 5 19:30 Hrs-5:30Hrs	Cut off wall Phase II Slot 6 and 8 Hole No 1 Rotary rig drilling for pilling 7:30-17:30Hrs Massive rock back filling and layers compaction 7:30-17:30Hrs Fixing formwork and reinforcement for block No 4 7:30-17:30Hrs Fixing of rebar for block No 5 07:30 -17:30Hrs Fixing of steel and fixing of formwork block No 4 7:30Hrs-17:30Hrs Fixing of steel for block No 6 7:30-17:30Hrs Fixing of formwork and Arrangement for pouring of concrete for block no 4 7:30-17:30Hrs
STARTER DAM RIGHT BANK	Cut off wall Massive rock back filling 07:30-17:30Hrs Layers compaction 07:30Hrs-17:30Hrs Massive rock back filling and Layers compaction 19:30-5:30Hrs Phase 2 slot 1 hole no 8 El.779.0 Ch.K0+58-0+68.0 Phase-II and phase I Percussion drilling for pilling 7:30-17:30Hrs	Cut off wall Rotary rig drilling for pilling 7:30-17:30Hrs No work (due to machine break down) 19:30-5:30Hrs Making slop and levelling at upstream side 7:30-17:30Hrs Massive rock back filling and Layers compaction 7:30-17:30Hrs Making slope and leveling at upstream side 7:30-17:30Hrs Massive rock back filling and Layers compaction 19:30-5:30Hrs Phase-I and phase II Percussion drilling for pilling 7:30-17:30Hrs Percussion drilling for pilling 19:30-5:30Hrs	Phase-II and phase I Percussion drilling for pilling 7:30-17:30Hrs Percussion drilling for pilling 19:30-5:30Hrs Phase-I Slot 2 Arrangement for concrete pouring 19:30-22:10Hrs Pouring of concrete 22:10-3:30Hrs Qty120m3	Phase-II and phase I Percussion drilling for pilling 7:30-17:30Hrs Percussion drilling for pilling 19:30-5:30Hrs	Phase-II and phase I Percussion drilling for pilling 7:30-17:30Hrs Percussion drilling for pilling 19:30-5:30Hrs III-02 Block 8 Fixing of geotextile sheet and reinforcement 13:00-17:30Hrs Fixing of reinforcement 19:30-5:30Hrs III-05 Block 4 K0+066-0+076.6 Pouring of concrete 15:00-2:00Hrs Qty=296m3 II-02 Block 4,6, III-05 Block 6 Fixing of reinforcement 19:30-5:30Hrs
Right Bank Diversion inlet	k0+025-0+035 Arrangement for shotcrete 7:30-9:00Hrs Spraying of shotcrete on steel arches 9:30-11:30 (Qty 24m3) K0+058 Mucking and scaling 13:00-17:30Hrs Mucking and scaling 20:00-23:50Hrs Mapping 23:50-00:20Hrs Spraying a layer of shotcrete 2:20-3:00Hrs K0+027-0+035 Spraying 2nd layer shotcrete 3:00-4:00Hrs No work 4:00Hrs-5:30Hrs	K0+050-0+054 Arrangement for drilling rock bolts 7:30-10:00Hrs Drilling for missing rock bolts 10:00-11:00Hrs Grouting for missing rock bolts 14:30-17:00Hrs 7No's Grouted K0+054-0+061 Drilling for rock bolts 11:00-13:00Hrs Arrangement for grouting of rock bolts 13:00-14:30Hrs Grouting for rock bolts 14:30-17:00Hrs 31No's Grouted Arrangement for 2nd layer of shotcrete 17:00-17:30Hrs Spraying 2nd layer of shotcrete 20:21-21:15Hrs Quantity 8m3 K0+059- Charging for additional blast 22:45-23:50Hrs Blast 00:00Hrs Mucking and scaling 00:30-2:00Hrs K0+050-0+060 Spraying 2nd layer of shotcrete 3:30-4:15Hrs K0+26-0+30 Spraying a layer of shotcrete on steel arches 4:30-5:30Hrs	K0+062- Arrangement for drilling 7:30-9:00Hrs Drilling for blast 9:00-12:00Hrs Charging for blast 13:05-14:15Hrs Blast 14:34Hrs Exp 235Kg used Mucking and scaling 15:00-17:30Hrs Mucking and scaling 20:00-1:30Hrs Mapping 1:30-2:00Hrs Arrangement for shotcrete 2:00-3:00Hrs Spraying a layer of shotcrete 3:40-4:30Hrs	K0+065.5- Drilling for blast 7:00-9:05Hrs Charging for blast 9:20-10:20Hrs Blast 10:30Hrs (Exp 250Kg used drilled holes 99) Mucking and scaling 12:00-17:30Hrs Mucking and scaling 20:15-22:10Hrs Mapping 22:40-23:00Hrs Q value 1.87 K0+065.5-0+068 1st layer of shotcrete 3:50-4:30Hrs 6m3 Survey for blast 5:10-5:40Hrs	K0+068.5- Drilling for blast 7:00-09:45Hrs Charging for blast 09:50-10:50Hrs Blast 10:54Hrs (Exp 246Kg used drilled holes 100) Mucking and scaling 11:15-17:30Hrs K0+068.5-0+070 Arrangement for shotcrete 19:30-20:15Hrs Spraying a layer of shotcrete 8m3 21:30-22:15Hrs K0+061.5-0+070 Drilling for rock bolts 22:30-5:00Hrs
Right bank diversion outlet	K0+525-518 Steel Arch area Rectification and arrangement for 2nd layer shotcrete on arches 7:30-13:00Hrs Spraying 2nd layer shotcrete 13:00-16:00Hrs 16m3 K0+511-500 Arrangement for drilling rock bolts 16:00-16:30Hrs Drilling for rock bolts 16:30-19:00Hrs	K0+525-0+518 Steel Arches area Rectification and arrangement for 2nd layer shotcrete on arches 7:30-10:00Hrs Spraying 2nd layer shotcrete 10:00-13:30 (Qty 12m3)16:30-19:00Hrs K0+511-0+506 Arrangement for 2nd layer shotcrete 7:30-10:00Hrs	K0+997- Hrs Charging for blast 7:30 -8:40 Blast 08:46Hrs(Explosive 250Kg drilled holes 102) Ventilation 8:46-9:15 Mucking and scaling 09:15-14:00Hrs No work due to shortage of resources 14:00-14:30 K0+990-0+996	K0+525-0+518 Arrangement for 2nd layer shotcrete 7:30-8:00Hrs Spraying 2nd layer shotcrete on steel arches 8:30-9:30Hrs (Qty 8m3) K0+528-0+525 Arrangement for 2nd layer shotcrete 19:30-21:00Hrs Spraying shotcrete 21:15-22:25Hrs 8m3	Face ch.505- K0+525-0+518 Arrangement for 2nd layer shotcrete 07:30Hrs-08:35Hrs 2nd layer shotcrete sprayed 8m3 09:10Hrs-09:40Hrs K0+505.5 Charging for blast 12:30-15:42Hrs Blast 16:00Hrs Mucking 19:30-2:00Hrs Mapping 00:30-1:00Hrs Qv=0.75

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [6/34]

	Drilling for rock bolts 22:00-2:00Hrs Arrangement for grouting 2:00-2:45Hrs Grouting and installation of rock bolts 2:45-5:30Hrs	Spraying 2nd layer shotcrete 10:00-13:30Hrs (Qty 12m3) No work due to shortage of resources 13:30-17:30 Drilling for remaining rock bolts 20:00-21:40Hrs Arrangement for grouting 21:40-23:30Hrs Grouting and installation of remaining rock bolts 23:30-00:20Hrs 07Pcs installed K0+522-0+511 Spraying 2nd layer of shotcrete 1:30-2:00Hrs No work 2:00-5:30Hrs	Drilling for rock bolts 14:30-18:00Hrs Shift change 18:00-20:30Hrs K1+000- Mapping Q value (1.66) 20:30-21:00Hrs Survey for blast 21:00-21:45Hrs Drilling for blast 21:45-3:30Hrs Charging for blast 3:30-5:00Hrs Blast 5:10Hrs Ventilation 5:10-5:30Hrs Shift change 05:30 Hrs-07:30 Note: Contractor did not complete the previous support work.	No work due to support work 22:15-5:30Hrs	Arrangement for shotcrete 3:00-4:00Hrs Spraying a layer of shotcrete 8m3 4:15-5:00Hrs
Left Bank Traffic Tunnel (From Inlet)	K0+910-0+930 Arrangement for remedial shotcrete 8:30-9:30Hrs K0+994.5- No activity due to short circuit 9:30-17:00Hrs No activity due to shortage of resources 19:30-1:00Hrs Arrangements for drilling 1:00-1:40Hrs Drilling for blast 1:40-5:00Hrs Charging for blast 5:10-6:00Hrs Blast and ventilation 6:10-7:00Hrs	K0+994.5-0+997 Mucking and scaling 8:00-17:00Hrs K0+997- Mapping 19:30-20:00Hrs Q value 1.66 K0+994-0+997 Arrangement for 1st layer of shotcrete 20:00-21:00Hrs 1st layer of shotcrete 21:00-21:40Hrs Survey for blast 22:00-22:30Hrs Drilling for blast 3:30-5:30Hrs	K1+280-1+266 Drilling for rock bolts 10:30-11:00Hrs Arrangement for grouting 11:00-12:30Hrs Grouting machine breakdown 12:30 Hrs-13:45Hrs Grouting and installation of rock bolts 14:00-19:00Hrs 55No's Grouted 04 hole collapsed and 05No's rejected K1+266- Drilling for blast 19:30-23:20Hrs Charging for blast 23:20-00:20Hrs Blast carried out 00:30Hrs Mucking and scaling 1:00-4:00Hrs	K1+000- Mucking and scaling 07:30-11:00Hrs Lunch break 11:00-12:30Hrs Mucking and scaling 12:30-17:30Hrs Shift change 17:30-19:30Hrs No work (waiting for geology team) 19:30-19:50Hrs Geological mapping 19:50Hrs-20:20Hrs K1+000-K1+003 Installation of thickness pin 20:20Hrs-21:25Hrs Arrangement for 1st layer shotcrete 21:25-22:00Hrs No work (waiting for shotcrete) 22:00-23:30Hrs 1st layer shotcrete 8m ³ 23:30-00:20Hrs K0+900-K0+920 Spraying 2nd layer of remedial shotcrete 8 m ³ 00:35-1:30 K0+998-K1+003 Demarcation for rock bolts 01:30-02:40 Drilling for rock bolts 02:40-05:30 Shift change 5:30-7:30	K0+989-1+002 Arrangement for grouting 07:30-10:00 Hrs Grouting and installation of rock bolts 10:00-11:00 Hrs No work (Grouting machine breakdown and repairing work is in progress) 11:00-13:20Hrs Grouting again start from 13:20 Hrs-16:00Hrs 54No's Grouted 02 Hole collapsed K0+980-0+990 2No's Remaining grouted Scaling 16:00-17:30Hrs Shift change 17:30-19:30Hrs K1+003.5- Survey for blast 19:30-20:30Hrs Drilling for blast 20:30-00:30Hrs Charging 00:30-1:35Hrs Blast carried out 1:45Hrs Ventilation 1:45-2:15Hrs Mucking and scaling 2:30-5:30Hrs Shift change 5:30-7:30Hrs
Left Bank Traffic Tunnel (From Outlet)	K1+272.5- Drilling for blast 7:30-10:50Hrs Charging for blast 10:50-11:00 Blast carried out 11:15Hrs (Explosive Qty 250kg) Ventilation 11:15-11:30Hrs Mucking and scaling 13:00-17:30Hrs Mucking and scaling 19:30-23:00Hrs Mapping 23:00-23:40Hrs Qv=0.56 Spraying a layer of shotcrete 00:00-00:40Hrs K1+269.5- Survey for blast 1:20-2:00Hrs No work due to lack of resources 2:00-5:30Hrs	K1+269- Drilling for blast 7:30-10:50Hrs Charging for blast 10:50-11:00Hrs Blast carried out 11:30Hrs (explosive Qty 245kg) Ventilation 11:15-11:30Hrs Mucking and Scaling 13:00-17:30Hrs Mapping (Qv=0.6) 19:30-22:30Hrs 22:40-23:20Hrs Arrangement for a layer of shotcrete 23:40-00:00Hrs Spraying a layer of shotcrete 00:10-00:50Hrs K1+280-1+266 Arrangements for drilling rock bolts 00:50-1:30Hrs Drilling for rock bolts 1:30-5:30Hrs	K1+280-1+266 Drilling for rock bolts 10:30-11:00Hrs Arrangement for grouting 11:00-12:30Hrs Grouting machine breakdown 12:30 Hrs-13:45Hrs Grouting and installation of rock bolts 14:00-19:00Hrs 55No's Grouted 04 hole collapsed and 05No's rejected K1+266- Drilling for blast 19:30-23:20Hrs Charging for blast 23:20-00:20Hrs Blast carried out 00:30Hrs Mucking and scaling 1:00-4:00Hrs	K1+264- Mucking and scaling 7:30-10:30Hrs Geological mapping 10:30 Hrs-11:00Hrs Arrangement for 1st layer shotcrete 11:30 Hrs-12:00Hrs 1st layer shotcrete 12:30 Hrs-13:15Hrs 8m3 Survey for blast 14:00 Hrs-14:30Hrs Drilling for blast 14:45 Hrs-17:30Hrs Charging for blast 18:30-21:00Hrs Blast 21:34Hrs Mucking and scaling 22:00-5:30Hrs	K1+264- Mucking and scaling 07:30 Hrs-10:30 Hrs Geological mapping 10:30 Hrs 11:00 Hrs- Arrangement for 1st layer shotcrete 11:00 Hrs-12:00 Hrs 1st layer shotcrete 8m3 12:30 Hrs-13:30 Hrs K1+280-1+266 Survey and demarcation for rock bolts 13:30 Hrs-14:00 Hrs Drilling for rock bolts 14:00-17:30Hrs Grouting and installation of rock bolts 19:30-3:30Hrs 32Pcs installed No activity due to shortage of resources 3:00-5:30Hrs
Right Abutment access road to Cable Crane Platform at D/S (Right bank)	K0+087-K0+095 Excavation 7:30-17:00	Excavation 8:00-17:00	No work	Excavation 09:30 Hrs-15:00Hrs	No work
Cable crane foundation (Right Bank)	No work	El: 1055-1051 Grouting for rock bolts 9:00-13:00 (8pcs)	El: 1053-1052 Excavation 9:00-14:00Hrs El: 1052-1051 Drilling for blast 13:00-17:00	El: 1052-1051 Drilling for blast 7:30-11:30Hrs Charging 15:00-16:00Hrs Blast 16:30Hrs Excavation 8:00-18:00Hrs	El: 1052-1051 Excavation 9:30-18:30Hrs
Siglo RCC Crush plant No. 2 and Siglo RCC Batching plant No. 2	Upstream K0+080-0+160 Downstream No work due to local villagers stop the work 07:30Hrs-7:30Hrs No work due to rain 07:30Hrs-7:30Hrs	Upstream K0+080-0+160 Downstream No work due to local villagers stop the work 07:30Hrs-7:30Hrs Upstream K0+080-0+160 Downstream No work due to local villagers stop the work 07:30Hrs-7:30Hrs	Upstream K0+080-0+160 Downstream No work due to local villagers stop the work 07:30Hrs-7:30Hrs	Upstream K0+080-0+160 Downstream No work due to local villagers stop the work 07:30Hrs-7:30Hrs	Upstream K0+080-0+160 Downstream No work due to local villagers stop the work 07:30Hrs-7:30Hrs
Uchar New Crushing plant #01	Batching plant Breaking stone with jack hammer 07:30-17:30 Fixing main gate 7:30-17:30 Construction of cable trench at power station 7:30-17:30 Welding works 7:30-17:30 No work 19:30-7:00Hrs	Batching plant Excavation and leveling at inside at batching plant area 7:30-17:30 Fixing of guarder for generator room 7:30-17:30 Construction of cable trench at power station 7:30-17:30 Welding works 7:30- Paint works at main gate 12:00-17:30Hrs	Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs Repairing work at crushing plant area 7:30-17:30Hrs	Batching plant Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs	Batching plant Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs
Kass Camp Parking platform (Day Work)	No work	No work	No work	No work	No work
CR-5-2 / LU-2	Excavation 08:00-17:30Hrs	Excavation 08:00Hrs-15:00Hrs	Excavation 08:00Hrs-15:00Hrs	Excavation for cable crane foundation 08:00Hrs-17:30Hrs	Excavation for cable crane foundation 08:00Hrs-17:30Hrs Drilling for rock bolts 08:00 Hrs-17:30Hrs

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [7/34]

Date/Day Location	6 Thu.	7 Fri.	8 Sat.	9 Sun.	10 Mon.
Drilling for blast 10:00 Hrs-17:30Hrs					
Diversion Tunnel A INLET	<p>Top slab Part 3 K0-018.7-K0-025.4 El.790.4-793.9 Arrangement for concrete pouring 7:30-17:30Hrs Arrangement for concrete pouring 19:30-05:30Hrs Top slab area Fixing of scaffolding 7:30-17:30Hrs Fixing of scaffolding 19:30-05:30Hrs Left wall Removing of scaffolding and formwork 7:30-17:30Hrs Removing of scaffolding and formwork 19:30-05:30Hrs Gate slot area Left side Cleaning and chipping 7:30-17:30Hrs No activity 19:30-7:30Hrs Part 4 Loading of formwork by manpower and shifting to outside Arrangement for cavity grouting 7:30-17:30Hrs Execution of cavity grouting 19:30-00:25Hrs (13 Holes grouted) Part 1 K0+002.3-k0+019 Fixing of formwork and steel stirrups 7:30-17:30Hrs Fixing of formwork and steel stirrups 19:30-05:30Hrs</p>	<p>Top slab Part 3 K0-018.7-0-025.4 El.790.4-793.9 Arrangement for concrete pouring 7:30-12:30Hrs Pouring of concrete 12:30-continue Top slab area Fixing of reinforcement and formwork 7:30-17:30Hrs No activity 19:30-5:30Hrs Left wall Removing of scaffolding and formwork 7:30Hrs-17:30Hrs No work 19:30-5:30Hrs Gate slot area Left side Cleaning and chipping 7:30-17:30Hrs No activity 19:30-5:30Hrs Part 4 No work due to lack of manpower Part 1 K0+002.3-K0+019 Fixing of steel stirrups and formwork 7:30-17:30Hrs Fixing of steel stirrups and formwork 19:30-5:30Hrs</p>	<p>Part-3 K0-018.7-0-025.4 El.790.4-793.9 Pouring of concrete (today108m3) 7:00-15:50Hrs (Total 612m3) Transition Part Removal of scaffolding 13:00-17:30Hrs No work 19:30-7:30Hrs Gate slot area Left side Fixing and welding work at sill beam 7:30-17:30Hrs No work 19:30-7:30Hrs Top Slab Part 5 Installation of formwork 19:30-05:30Hrs Part-1 K0+002.3-k0+019 Fixing of steel stirrups and formwork 7:30-17:30Hrs Arrangement of concrete for 8th lift 19:30-3:30hr. No work due to DTA Out let concrete 3:30-7:00hr Part-4 Concrete repairing and finishing work 7:30-17:30Hrs</p>	<p>Top Slab Part V Fixing of formwork and welding works 7:30-17:30Hrs Top Slab Right side Removal of formwork 7:30-11:30Hrs Top Slab Slope Area Removal of scaffolding 7:30-4:30Hrs Gate Slot Left side Fixing of frames for sill beam 7:30-2:30Hrs Gate Slot Right side Surface finishing 8:00-11:30Hrs Part-1 K0+002.3-K0+019 Repairing concrete joints at Left wall 7:30-17:30Hrs Pouring of concrete 7:30-23:25Hrs Qty 397m3. Part-03 Removing of stairs 7:30-14:30Hrs Part-04 Concrete repairing and finishing work 7:30-17:30Hrs</p>	<p>Top Slab Part V Fixing of formwork and welding works 7:30-17:30Hrs Top Slab Right side Removal of formwork 7:30-17:30Hrs Top Slab Slope Area Removal of scaffolding 7:30-17:30Hrs Gate Slot Left side Fixing and welding of frame for sill beam 7:30-17:30Hrs Gate Slot Right side Surface finishing 8:00-17:30Hrs Part-1 Fixing of reinforcement 7:30-5:30Hrs Preparing concrete surface for next pour 7:30-17:30Hrs Part-4 Removing of scaffolding 7:30-5:30Hrs Concrete repairing and finishing work 8:30-3:00Hrs</p>
Diversion Tunnel A UNDER GROUND	<p>K0+405- Cleaning of sludge from invert surface 8:00Hrs-13:00Hrs Cleaning of sludge from invert surface 19:30-05:30Hrs K0+333-0+369 Spraying remedial layer of shotcrete 10:00-10:30Hrs Qty 3m3 Downstream Right side K1+173-1+185 Pouring of 1m bedding concrete 8:30-9:00Hrs (Total Quantity 128 m3) Surface finishing 19:30-5:30Hrs Right side K1+185-1+197 Excavation and cleaning 7:30-17:30Hrs Excavation and cleaning 19:30-5:30 K0+657-0+669 Left Side Surface finishing of invert concrete 8:00-17:30Hrs K0+669-0+681 Left side Cleaning surface for invert concrete 07:30Hrs-16:30Hrs Arrangement for 1m bedding concrete 16:30-17:30Hrs K1+257-1+269 Right side Surface finishing of invert concrete 7:30-17:30Hrs K1+269-1+281 Cleaning sludge from invert surface 7:30-17:30Hrs Cleaning sludge from invert surface 19:30-5:30Hrs L/S K1+350-1+390 Pouring for lean concrete 9:30-16:00Hrs Total Quantity 295m3. K1+390- Invert rock surface cleaning for lean concrete 19:30-5:30Hrs K1+444-1+474 Right side Grouting for anchor bars and welding of supporting bars for steel girders 7:30-12:00Hrs K1+470- Excavation and loading 19:30-5:30Hrs K1+390-1+420 Left side Excavation with jackhammer and cleaning 7:30-17:30Hrs Outlet outside Left side K1+480-1+444 Fixing of formwork 07:30-17:30Hrs Fixing of scaffolding 07:30-17:30Hrs Right Side K1+474-1+444</p>	<p>K0+333-0+369 No work Downstream Left side K0+429-0+441 Cleaning of sludge from invert surface 7:30-12:00Hrs Right side K0+489-0+571 Cleaning of sludge from invert surface 7:30-17:30Hrs Right side K1+185-1+197 Excavation and Cleaning 7:30-17:30Hrs K0+669-0+681 left side Cleaning surface for 1m bedding concrete 7:30-17:30Hrs Cleaning surface for 1m bedding concrete 19:30-3:30Hrs Pouring of concrete 3:35-continue K1+269-1+281 Cleaning of surface for 1m bedding concrete 7:30-17:30Hrs Arrangement for concrete 19:30-10:00Hrs Pouring of concrete 22:00-03:30Hrs Surface finishing 3:50-5:30Hrs (Total Qty 144m3) K1+410- Right side Arrangement for grouting 13:00-13:50Hrs Grouting for rock bolts 13:50-16:30Hrs (25 Pcs) Arrangement for grouting 19:30-21:30Hrs Grouting for rock bolts 22:00-5:30Hrs (60 pcs Grouted) K1+444- Right side Excavation and loading 7:30Hr-17:30Hrs Fixing of steel girders and welding work 19:30-5:30Hrs K1+444-Left side Fixing of scaffolding and formwork 7:30-17:30Hrs Fixing of scaffolding and formwork 19:30-5:30Hrs K1+390-1+420 Left side Excavation with jackhammer and cleaning 7:30-17:30Hrs Invert surface cleaning for lean concrete 19:30-5:30Hrs Outlet outside Left side K1+480-1+444 Fixing of formwork 07:30-17:30Hrs Fixing of scaffolding 07:30-17:30Hrs Right Side K1+474-1+444</p>	<p>K0+061-0+395 Cleaning and washing of invert surface and removal of waste material 7:30-17:30Hrs K0+381-0+405 Remedial layer of shotcrete (3m3) 13:25-15:30Hrs Downstream K0+669-0+681 Left side Pouring of 1m bedding concrete (24m3 in day) (total110m3) 7:00-9:30Hrs Surface finishing 9:30-17:00Hrs K0+681- Cleaning of invert surface for lean 19:30-05:30hr. K1+420-1+430 Left side Invert scaling and mucking 7:30-9:00Hrs Removing of undercuts with jack-hammer 9:00-11:00Hrs K1+444- Right side Removing of undercuts with jack-hammer 19:30-04:00hr. K1+444- Left side Welding works and arrangement for concrete 19:30-05:00hr. K1+269-1+281 Right side Invert concrete surface finishing 7:30-17:30Hrs K1+281-1+293 Right side Preparing lean surface for invert concrete 7:30-17:30Hrs K1+341-1+353 Left side Preparing lean surface for invert concrete 7:30-05:30Hrs K1+433-1+444 Right wall (4th layer) Grouting and installation of rock bolts (5m) (18 Nos) 9:00-11:00Hrs First layer shotcrete sprayed 15:00-15:40Hrs K1+410-1+430 Second layer shotcrete sprayed 32m315:50-17:30 K1+390-1+430 Left side Invert rock surface cleaning for lean concrete 7:30-16:45Hrs Pouring of lean concrete 17:20-2:50Hr 208m3. K1+350-K1+390 Arrangement for 2nd layer of shotcrete 20:00-21:10hr. Spraying of 2nd layer shotcrete 21:30-06:00hr 56m3. Outlet outside Right Wall K1+474-1+444 (Support work) Fixing and welding of steel plates (formwork) 8:00-13:00Hrs Left Wall K1+480-1+444 (Support work)</p>	<p>K0+339-0+400 Cleaning and washing of sludge 7:30-17:30Hrs K0+410-0+415 Remedial layer of shotcrete 16:00-16:30Hrs 1.6m3 No work in the night shift 19:00-7:00Hrs Downstream Left side K0+693-0+725 Cleaning and washing of invert surface 7:30-17:30Hrs Left side K0+681-K0+693 Invert cleaning 7:30-17:30Hrs Pouring of 1m bedding concrete 18:16-00:32Hr Qty 132m3 Finishing invert concrete surface 1:00-7:00Hrs Right side K1+185-K1+197 Pouring of 1m bedding concrete 12:25-3:40Hrs Qty 120m3 Right Side K1+269-1+281 Cleaning for invert concrete 7:30-17:30Hrs Left Side K1+341-1+353 Pouring of 1m bedding concrete 9:30-13:50Hrs 129m3 Surface finishing of invert concrete 13:50-4:30Hrs Left Wall K1+400-K1+444 Arrangement for grouting 23:00-23:50Hrs Grouting and installation of rock bolts 23:50-5:30Hrs 30Pcs installed and 10 holes collapsed K1+444- Excavation and mucking for lean 9:30-3:30Hrs Right side K1+281-1+293 Pouring of 1m bedding concrete 14:10-17:55Hrs Qty 132m3. Right side K1+285-1+375 Cleaning sludge from invert surface 7:30-17:30Hrs K1+400- Sludge loading on dumpers 16:00-17:30Hrs Outlet & Outside Left Side K1+444-1+474 Fixing of scaffolding and formwork 7:30-1:30Hrs Arrangement for self-compaction concrete 1:30-2:00Hrs Right Side Cleaning of sludge 7:30-17:30Hrs</p>	<p>K0+425-0+460 Cleaning and washing of sludge from invert surface 7:30-4:30Hrs K0+410-0+430 Remedial layer of shotcrete (6m3) 15:10-16:00Hrs Downstream K0+681-0+693 Left Side Invert concrete surface finishing 7:30-11:00Hrs K0+693-K0+705 Left side Cleaning invert for concrete and formwork fixing 19:30-5:30Hrs K1+185-1+197 Right Side Invert concrete surface finishing 7:30-17:00Hrs No activity 19:30-5:30Hrs K1+293-1+305 Right Side Cleaning invert surface for 1m bedding concrete 7:30-01:30Hrs Pouring of concrete 01:30-5:35Hrs Qty 132m3 K1+353-1+365 Left side Cleaning of invert surface for 1m concrete 7:30-21:30Hrs Pouring of concrete 21:30Hrs-01:00Hrs Total Qty 132m3 K1+410-1+444 Left Wall Arrangement for grouting 8:00-10:00Hrs Grouting and installation of rock bolt (30 no's installed)10:00-15:40Hrs Drilling for remaining rock bolts 23:30Hrs-4:30Hrs Grouting and installation of rock bolts 01:30Hrs- K1+420-K1+474 Right side Cleaning and washing invert for lean concrete 19:30-23:45Hr. Pouring of concrete 00:00-5:30Hrs Qty 96m3 Outlet & Outside K1+444-1+479 Left Side Fixing of scaffolding and formwork 7:30-5:30Hrs Pouring of self-compaction concrete (64m3 in day shift and total 80m3) 7:00-16:27Hrs K1+430- Right Side Cleaning invert rock surface for lean concrete 7:30-17:30Hrs Removing undercuts with jack-hammer 10:00-11:20Hrs Slope Protection Right wall Removal of formwork from 3rd lift and installation on 4th lift 8:00-16:20Hrs Arrangement for concrete 16:00-17:30Hrs Pouring of concrete 20:00-22:30hr Qty32m3.</p>

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [8/34]

				Fixing formwork at right side of slop protection 7:30-17:30Hrs	Fixing scaffolding for access 9:00-17:00Hrs
STARTER DAM	<p>Cut off wall Phase II Slot 8 Hole No 1 Core drilling 7:30-17:30Hrs Rotary rig drilling for pilling 7:30-17:30Hrs Massive rock back filling 7:30-17:30Hrs Phase II Slot 3 Cleaning hole and arrangement for pouring concrete 7:30-18:00Hrs Pouring of concrete 19:40-2:35 (Total Qty 288m3) III-02 Block 8 Fixing of reinforcement and formwork 7:30-17:30Hrs Fixing of reinforcement and formwork 19:30-05:30Hrs III-02 Block 4 Fixing formwork and making access 7:30-17:30Hrs Fixing formwork and making access 19:30-5:30Hrs III-02 Block 6 Fixing of reinforcement and formwork 7:30-17:30Hrs Fixing of reinforcement and formwork 19:30-5:30Hrs III-05 Block 6 Fixing of reinforcement and formwork 7:30-17:30Hrs Fixing of reinforcement and formwork 19:30-05:30Hrs</p>	<p>Cut off wall Phase II Slot 8 Hole No 1 Core drilling 7:30-17:30Hrs Core drilling 19:30-5:30Hrs Rotary rig drilling for pilling 7:30-17:30Hrs Massive rock back filling 7:30-17:00Hrs III-02 Block 8 Welding of formwork and arrangement of concrete 7:30-17:30Hrs Arrangement of concrete 19:30-5:30Hrs III-02 Block 4 Pouring of concrete 6:00-22:50Hrs Total Qty 340m3 II-02 Block 4 Fixing of formwork 7:30-17:30Hrs Fixing of formwork 19:30-5:30 III-04 Block 4 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-5:30Hrs III-02 Block 6 Welding of formwork and arrangement of concrete 7:30-15:30Hrs Welding of formwork and arrangement of concrete 19:30-5:30Hrs III-05 Block 6 Welding of formwork and arrangement of concrete 7:30-17:30Hrs Arrangement of concrete 19:30-6:15Hrs Pouring of concrete 6:15Hrs-continue</p>	<p>Cut off wall Core drilling 7:30-16:30Hrs Percussion drilling for blast 19:30-7:00Hrs Massive rock back filling 7:30-17:00Hrs III-02 Block 8 Fixing of reinforcement and formwork 7:30-18:00Hrs Arrangement for concrete 19:30-01:00Hrs Pouring of concrete 01:00-7:00 in progress. II-02 Block 4 and Block 6 Fixing of reinforcement and formwork 7:30-05:30Hrs III-04 Block 4 Fixing of reinforcement 7:30-15:30Hrs III-02 Block 6 Fixing of reinforcement and formwork 7:30-5:30Hrs III-05 Block 6 Pouring of concrete (Qty 264m3) 7:00-22:00Hrs Surface finishing 22:00-5:30Hrs</p>	<p>Cut off wall II-2 Block # 04 Block # 06 Fixing of formwork and cleaning 7:30-19:00Hrs Making access and oiling formwork 7:30-19:00Hrs III-4 Block # 04 Arrangement and cleaning 7:30-19:00Hrs Fixing of formwork 7:30-19:00Hrs Making access and oiling formwork 7:30-19:00Hrs Survey 7:30-19:00Hrs Arrangement for pouring of concrete 21:00-4:00 Pouring of concrete 4:10Hrs- continue III-1 Block # 01 Fixing of reinforcement 7:30-5:30Hrs III-2 Block # 06 Fixing of form work +oiling 7:30-17:30Hrs Arrangement for pouring concrete 7:30-20:30Hrs Waiting for concrete 20:00-23:45Hrs Pouring of concrete 23:45-7:00Hrs II-2 Block # 06 Fixing of form work +oiling and arrangement 7:30-6:00Hrs III-01 Block # 04 Fixing of reinforcement 7:30-5:30Hrs III-4 Block # 06 Geotextile sheet + Reinforcement fixing 7:30-5:30Hrs EL.775.3-775.5 Left side Drilling for rock bolts L/S 7:30-17:30Hrs</p>	<p>Starter Dam Massive rock back filling + roller compaction 7:30-5:30Hrs Drilling for pilling 7:30- 7:30Hrs II-2 Block # 04 Block Arrangement for pouring concrete 7:30-17:30Hrs III-4 Block # 04 Pouring of concrete (332m3 total of which 192m3 poured today) 7:15-16:00Hrs III-1 Block # 01 Fixing of reinforcement 7:30-5:30Hrs III-2 Block # 06 Fixing of form work +oiling 7:30-17:30Hrs Arrangement for pouring concrete 7:30-20:30Hrs Waiting for concrete 20:00-23:45Hrs Pouring of concrete 23:45-7:00Hrs II-2 Block # 06 Fixing of form work +oiling and arrangement 7:30-6:00Hrs III-01 Block # 04 Fixing of reinforcement 7:30-5:30Hrs III-4 Block # 06 Geotextile sheet + Reinforcement fixing 7:30-5:30Hrs EL.775.3-775.5 Left side Drilling for rock bolts L/S 7:30-17:30Hrs</p>
Right Bank Diversion Inlet	<p>K0+061.5-0+071 Drilling for rock bolts 8:00Hrs-13:20Hrs Arrangement for grouting rock bolts 13:40Hrs-14:15Hrs Grouting for rock bolt 14:15-17:30Hrs 63No's Grouted 6 Hole collapsed K0+072- Drilling for blast 19:30-23:00Hrs Charging 23:00-00:10Hrs Blast 00:30Hrs Mucking and scaling 1:00-5:30Hrs</p>	<p>K0+075.5-0+079 Drilling for blast by manpower 8:00-14:00Hrs Charging for blast 14:00-17:10Hrs Blast 17:25Hrs Mucking and scaling 19:30-5:30Hrs</p>	<p>Face Ch: K0+079 K0+072.5-0+079 No work 7:00Hrs-11:30Hrs Arrangement for shotcrete 11:30-12:50Hrs 1st layer shotcrete sprayed 12:50-13:45Hrs Survey and demarcation for blasting 15:30-16:10Hrs Drilling for blast 16:50-17:30Hrs Charging 20:00-22:00Hrs Blast 22:25Hrs Ventilation 22:25-23:00Hrs Mucking and scaling 23:00-3:50 Arrangement for 1st layer of shotcrete 3:50-4:30hr.</p>	<p>Face Ch: K0+082.5 K0+079-0+082.5 Scaling 7:30-10:00Hrs Geological mapping 10:00-10:30Hrs 1st layer shotcrete 10:30-11:50Hrs Qty 5.6m3 Preparation for drilling rock bolts 12:20-13:00Hrs Drilling for rock bolts 14:20-19:00Hrs Drilling for remaining rock bolts 19:00-20:00Hrs Grouting and installation of rock bolts 20:00-00:15Hrs K0+82.5- Survey and demarcation for blast 19:00-19:30Hrs Drilling for blast 1:30-5:30Hrs Charging and blast 5:30-6:55Hrs</p>	<p>K0+082.5-0+086 Mucking and scaling 7:30-13:00Hrs Geological mapping (Q=1.67)13:20-14:00Hrs K0+082.5-0+086 1st layer K0+062-0+082 2nd layer Shotcrete sprayed 14:45-18:00Hrs K0+086- Survey for blast 23:00Hrs-23:30Hrs Drilling for blast 23:30 Hrs-3:00Hrs Charging and blast 3:30 Hrs-5:30Hrs</p>
Right bank diversion outlet	<p>Face ch.502 K0+502-0+499 Arrangement for drilling for blast 8:00Hrs-9:00Hrs Drilling for blast 9:40Hrs-17:00Hrs Charging for blast 17:00-19:00Hrs Blast 19:30Hrs No work due to shortage of resources 20:00Hrs-7:00Hrs</p>	<p>Face Ch.502- K0+502-0+498.5 Mucking and scaling 7:30Hrs-12:00Hrs Arrangement for 1st layer shotcrete 13:00Hrs- No activity 19:30-5:30Hrs</p>	<p>Face Ch.498.5- K0+498.5 No work 7:00-9:00Hrs Drilling for blast 9:00-13:00Hrs Charging and blasting 13:20-14:59Hrs Mucking 15:30-18:00Hrs Installation of thickness pins 19:30-20:30Hrs Arrangement for shotcrete 20:30-1:20Hrs 1st layer shotcrete sprayed 8m3 1:20-1:45Hrs K0+505-k0+498 Marking and Arrangement for drilling of rock bolt 2:00-4:20hr. Drilling for rock bolt 4:20-6:00hr.</p>	<p>Face Ch.498 K0+505-498.5 Drilling for rock bolts 8:00-09:15Hrs Arrangement for grouting 9:15-10:00Hrs Grouting and installation of rock bolts 10:00-13:30Hrs 59Pcs grouted and 07 Pcs collapsed K0+496- Survey and demarcation for blast 14:45-15:15Hrs Drilling for blast 15:30-19:00Hrs Charging and blast 19:00-20:05Hrs Explosive Qty 250KG Mucking and scaling 21:00-03:20Hrs Arrangement for 1st layer of shotcrete 3:20-3:50Hrs 1st layer of shotcrete sprayed 6m3 4:20-5:00Hrs</p>	<p>K0+493- Survey for blast 8:00-9:30Hrs Drilling for blast 10:00-14:00Hrs Charging and blast 14:00-17:09Hrs Mucking and scaling 19:30-00:30Hrs Arrangement for 1st layer shotcrete 00:30-1:40Hrs Spraying 1st layer shotcrete 6m3 1:40-2:30Hrs</p>
Left Bank Traffic Tunnel (From Inlet)	<p>K1+003.5- Mucking 7:30-11:30Hrs Waiting of excavator for scaling 11:30-12:00Hrs Scaling 12:00-14:30Hrs Waiting for surveyors 15:00-17:30Hrs K1+006.5- Survey for blast 14:00-15:00Hrs Drilling for blast 19:30-12:35Hrs Charging for blast 00:35-02:10Hrs Blast and ventilation 2:25-02:50Hrs- Mucking and scaling 3:00-06:30Hrs</p>	<p>K1+006.5-0+10.6 Mucking and scaling 7:30Hrs-17:30Hrs Geological mapping 20:20-20:50 Installation of thickness pins 20:50-21:30Hrs Arrangement for shotcrete 21:30-22:30Hrs Spraying 1st layer of shotcrete 22:30-23:10Hrs K1+010.6- Survey for blast 01:00-1:40 Arrangement of drilling for blast 1:40-3:00Hrs Drilling for blast 3:00-5:20 Charging for blast 5:20-6:50 Blast and ventilation 6:55Hrs K0+960-</p>	<p>K1+010.6- No work 7:00-8:00Hrs Mucking and scaling 8:00-14:00Hrs Geological mapping 14:10-14:30Hrs No work 14:30-15:30Hrs Installation of shotcrete thickness pin 15:30-16:00Hrs Arrangement of first layer of shotcrete 19:30-21:00hr. Waiting for TM 21:00-00:40hr. 1st layer of shotcrete 00:40-01:30hr. No work 01:30-7:00hr. K0+920-0+930 Arrangement for remedial shotcrete 16:20-17:10Hrs</p>	<p>K0+690-K0+970 Fixing of wire mesh 8:00-17:30Hrs Demarcation for rock bolts 9:30-10:00Hrs Drilling for rock bolts 21:00-2:00Hrs K0+880-K0+950 Drilling for weep hole 2:30-6:00Hrs</p>	<p>K1+003-K1+013 Arrangement for grouting of rock bolts 7:30-10:45Hrs Grouting and installation of rock bolts 10:45-16:00Hrs (49 Nos installed and 3 holes collapsed) K0+960- Fixing of wire mesh 7:30-17:30 Fixing of wire mesh 19:30-4:30Hrs</p>

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [9/34]

		Fixing of wire mesh 20:00Hrs-5:30Hrs	Shotcrete sprayed (6m6) 17:20-18:00Hrs K0+960- Fixing of wire mesh 19:30-05:30Hrs		
Left Bank Traffic Tunnel (From Outlet)	K1+261~ Survey for blast 8:00Hrs-8:30Hrs Waiting for drilling jumbo 8:30-9:00Hrs Drilling for blast 9:00-14:00Hrs Charging for blast 14:00-18:50Hrs Blast 19:00Hrs Mucking and scaling 19:30-04:20 Arrangement for 1st layer shotcrete 4:30~	K1+261~ No work 7:30-9:30Hrs Arrangement for 1st layer shotcrete 9:30-10:30Hrs Spraying 1st layer shotcrete 10:30-11:20Hrs (8m3) K1+255- Drilling for blast 12:00-14:30Hrs Charging 14:30-17:30Hrs Blast 17:40 Mucking and scaling 20:00-6:00	K1+252-1+266 Drilling for rock bolts 9:20-15:30Hrs Arrangement for grouting 16:00-17:00Hrs Grouting and installation of rock bolts 21:00-00:40Hrs 30 No's installed and 2 No's collapse Installation of wire mesh 1:30-5:00hr.	K1+290- Fixing of wire mesh 8:00-5:00Hrs	K1+290-K1+270 Mucking and scaling 7:30-16:30Hrs Fixing of wire mesh 19:30-5:30Hrs
Right Abutment access road to Cable Crane Platform at D/S (Right bank)	CH: 0+098 Excavation with jack hammer 9:00-12:30Hrs Drilling for blast 14:00-17:30Hrs	El: 1052-1051 Excavation with jack hammer 8:30-17:20Hrs	El: 1050- Drilling for blast 08:00-17:00Hrs Drilling for blast 20:00-5:00Hrs	No work 7:00-7:00Hrs	K0+098-0+105 Excavation 7:30-11:00Hrs Drilling for blast 11:00-14:00Hrs Charging and blast 14:00-15:20Hrs Excavation 15:40-17:30Hrs
Cable crane foundation (Right Bank)	El: 1052-1051 Excavation with jack hammer 9:00-14:00Hrs El: 1055-1051 Grouting of rock bolts 14:30-18:10Hrs (40pcs) Note: Quality issue in Rock Bolts Grouting and safety issue. Contractor has not followed method of grouting. Even contractor site team has instructed on the spot to rectify the method but they refused to follow. After that DHC site team coordinated with Mr. Yen (QAQC site in-charge) but he did not take any action.	CH: 0+095-0+100 Drilling for pre splitting hole blasting 9:00-10:00Hrs Charging for blast 10:10-11:00Hrs Blast 11:20Hrs	No work 7:00-7:00Hrs	El: 1050- Drilling for blast 8:00-17:00Hrs Drilling for blast 20:00-5:00Hrs	El: 1050- Drilling for pre-splitting hole blast 7:30-18:00Hrs
Siglo RCC Crush plant No. 2 and Siglo RCC Batching plant No. 2	Upstream K0+080-0+160 Downstream No work due to local villagers stop the work 07:30Hrs-7:30Hrs No work	No work 7:00-7:00Hrs	No work 7:00-7:00Hrs	No work 7:00-7:00Hrs	No work 7:00-7:00Hrs
Uchar New Crushing plant #01	Batching plant Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs	Batching plant Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs	Batching plant Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs	Batching plant Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs	Batching plant Construction of cable trench at power station 7:30-17:30Hrs Welding works 7:30-17:30Hrs
Kass Camp Parking platform (Day Work)	No work	No work	No work	No work	
CR-5-2 / LU-2	Excavation 7:30-17:30Hrs Drilling for blast 10:00-17:30Hrs	Excavation with excavator 8:00-17:30Hrs	EL.1053-1054 K0+380-0+490 Drilling for rock bolt 08:00-9:00Hrs Arrangement for grouting 9:00-11:00Hrs Grouting and installation of rock bolt 3No's installed 13:30-14:00Hrs No work due to grouting machine breakdown 14:00-17:00Hrs No work in the night shift 17:00-7:00Hrs	EL.1018- K0+400-0+420 Charging for blast and blast 12:20-13:30Hrs K0+380-K0+490 EL.1041-1052 Drilling for rock bolts 7:30-16:00Hrs Cable Crane Platform EL. 1032 Excavation 8:00-17:00Hrs No work 17:00-7:00Hrs	Cable Crane Platform EL. 1032 El:1053-1056 Arrangement for grouting rock bolts 8:00-13:00Hrs No work (malfunctioning of grouting machine) 13:00-19:00Hrs El:1018- Drilling for rock bolts 9:00-16:30Hrs Excavation 8:00-17:30Hrs
Front of Adit -1		Dumping and back filling for Cr2 ceremonial platform	Dumping and back filling for Cr2 ceremonial platform 7:30-15:00Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30-15:00Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30-17:30Hrs
Dats/Day Location	11 Tue.	12 Wed.	13 Thu.	14 Fri.	15 Sat.
Diversion Tunnel A INLET	Top Slab Part V Fixing of formwork and welding works 7:30-17:30Hrs No work 19:30-5:30Hrs Top Slab Slope Area Removal of formwork and scaffolding 7:30-17:30Hrs Removal of formwork and scaffolding 19:30-5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30-17:30Hrs No work 19:30Hrs-5:30Hrs Gate Slot Right side Surface finishing 8:00-17:30Hrs No work 19:30-5:30Hrs Part-1 Fixing of reinforcement 7:30-17:30Hrs Preparing concrete surface for next pour 7:30-17:30Hrs	Top Slab Part V Arrangement for pouring of concrete 7:30-18:00 Making access and other arrangement 19:30-5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30-18:00 No work 19:30-5:30Hrs Part-1 Pouring of concrete 7:00-7:00Hrs continue Part-4 Removal of scaffolding 7:30-17:30Hrs Concrete repairing and finishing work 7:30-18:00Hrs Removing of scaffolding and shifting outside 19:30-5:30Hrs	Top Slab Part 12 Arrangement for pouring of concrete 7:30-18:00 Making access and other arrangement 19:30Hrs-18:00Hrs Pouring of concrete 18:05Hrs-7:00Hrs..... Top Slab Removal of scaffolding downside and slope area 19:30-5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30-17:30Hrs Part-1 Pouring of concrete 7:00-9:14Hrs Total Quantity 713m3 Green cutting and curing of concrete 19:30-4:00Hrs Part-4 Removal of scaffolding 7:30-17:30Hrs	Top Slab Part 12 Pouring of concrete 7:00-13:42Hrs Qty=332m3 Curing 23:00Hrs-3:00Hrs Removing of formwork 19:30Hrs-5:50Hrs Top Slab Cleaning surface and formwork 7:30-17:30Hrs No work Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30-17:30Hrs No work Part-1 Green cutting and curing of concrete 7:30-4:30Hrs Pouring of concrete 17:45-3:45Hrs (225m3) Part-4	Top Slab Part 12 Removing of formwork 7:30-17:30Hrs Transition part Left and Right Side Removing of formwork 19:30-5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30-17:30Hrs No work 19:30-5:30Hrs Part-1 Curing 7:30-15:30Hrs Removing of formwork and loading to outside 19:30Hrs-5:30Hrs Part-4 No work Removing of formwork and loading to outside 19:30Hrs-5:30Hrs

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [10/34]

	Arrangement for pouring of concrete 19:30-23:30Hrs Pouring of concrete 1:00-7:00Hrs.....continue Part-4 Removal of scaffolding 7:30-17:30Hrs Concrete repairing and finishing work 8:30-19:00Hrs Removal of scaffolding 19:30-5:30Hrs		Removal of scaffolding 19:30-5:30Hrs	Removal of scaffolding and shifting to outside 7:30-17:30Hrs Removal of scaffolding and shifting to outside 19:30-5:30Hrs	
Diversion Tunnel A UNDER GROUND	K0+425-0+460 Cleaning and washing of sludge from invert surface 7:30-17:30Hrs Cleaning and washing of sludge from invert surface 19:30-5:30Hrs Downstream K0+693-K0+705 Left side Cleaning invert for concrete and formwork fixing 7:30-17:00 K1+197-1+209 Right Side Cleaning surface for Invert 1m concrete 7:30-17:30 Cleaning surface for Invert 1m concrete 19:30-5:30 K1+444-1+472 Drilling for anchor bar at invert 8:00-13:30Hrs Arrangement for grouting of anchor bar at invert 13:30-14:30Hrs Grouting of anchor bar at invert 14:30-17:30Hrs (12 Pcs grouted) K1+467-1+471 Drilling for remaining rock bolts 8:00-9:30Hrs Outlet & Outside K1+410-1+444 Left wall Drilling for weep holes 00:30-5:30Hrs K1+444-1+479 Left Side Fixing of scaffolding and formwork for self-compacted concrete 7:30-17:30Hrs Fixing of scaffolding and formwork for self-compacted concrete 19:30-5:30Hrs K1+444-1+472 Right Side Fixing of formwork for invert concrete 19:30-5:30Hrs Slope Protection Right wall Arrangement for concrete 5th lift 7:30-17:30Hrs	K0+425-0+460 Cleaning and washing of sludge from invert surface 7:30-17:30Hrs Cleaning and washing of sludge from invert surface 19:30-5:30Hrs Downstream K0+693-K0+705 Left side Cleaning invert for concrete and formwork fixing 7:30-17:00 K1+197-1+209 Right Side Cleaning surface for Invert 1m concrete 7:30-17:30 Cleaning surface for Invert 1m concrete 19:30-5:30 K1+444-1+472 Drilling for anchor bar at invert 8:00-13:30Hrs Arrangement for grouting of anchor bar at invert 13:30-14:30Hrs Grouting of anchor bar at invert 14:30-17:30Hrs (12 Pcs grouted) K1+467-1+471 Drilling for remaining rock bolts 8:00-9:30Hrs Outlet & Outside K1+410-1+444 Left wall Drilling for weep holes 00:30-5:30Hrs K1+444-1+479 Left Side Fixing of scaffolding and formwork for self-compacted concrete 7:30-17:30Hrs Fixing of scaffolding and formwork for self-compacted concrete 19:30-5:30Hrs K1+444-1+472 Right Side Fixing of formwork for invert concrete 19:30-5:30Hrs Slope Protection Right wall Arrangement for concrete 5th lift 7:30-17:30Hrs	K0+425-0+460 Cleaning and washing of sludge from invert surface and loading 7:30-17:30Hr No Work 19:30-7:00Hrs Downstream K0+595- Cleaning + Washing sludge and loading 20:30-5:30Hrs K0+693-K0+705 Left side Pouring of invert 1m concrete 12:30-16:20Hr Qty 127m3. Surface finishing of invert concrete 19:30-4:30Hrs K1+197-1+209 Right Side Cleaning surface for Invert 1m concrete 7:30-18:00Hr K1+209 Right Side Excavation with excavator 7:30-13:45Hr K1+444-1+472 Right Side Fixing and oiling of formwork + welding works for formwork support 7:30-17:30Hr. K1+467-1+471 Drilling for remaining rock bolts 8:00-17:00Hrs Outlet & Outside K1+410- Right wall + left wall Drilling for weep holes 7:45-11:00Hr. Drilling for weep holes 20:30-5:00Hrs. K1+444-1+479 Left Side Pouring of self-compacted concrete 9:30-15:20Hr Qty 56m3. Slope Protection Right wall Arrangement for pouring concrete 7:30-17:30	K0+425-0+460 Cleaning and washing of sludge from invert surface and loading 7:30-17:30Hr No Work 19:30-7:00Hrs Downstream K0+400-0+6 Sprayed remedial shotcrete 10:55-15:00Hrs K0+595- Cleaning + Washing sludge and loading 7:30-17:30Hrs K0+693-K0+705 Left side Surface finishing of invert concrete 7:30-16:30Hrs K1+197-1+209 Right Side Cleaning surface for Invert 1m concrete 7:30-17:30Hrs Cleaning surface for Invert 1m concrete 19:30-5:30Hrs K1+209- Right Side Excavation and mucking 7:30-17:00Hrs K0+705-0+717 Left side Cleaning of surface 19:30Hrs-2:00Hrs Pouring of concrete 1:45Hrs-5:10Hrs (Qty 126m3) K0+813- Cleaning of surface and excavation 19:30Hrs-5:30Hrs K1+305-K1+317 Right side Pouring of concrete 23:25Hrs-1:45Hrs (132m3) Outlet & Outside K1+444-1+479 Left Side Fixing and welding of formwork for self-compacted concrete 7:30-17:30Hrs Pouring of concrete 4:55Hrs-..... K1+456-1+468 Right side Arrangement for pouring concrete 7:30-10:30 Pouring of invert bedding concrete 10:30-16:30Hrs Qty =228m3 K1+444.5-1+456.5 Right side Pouring of invert bedding concrete 16:30-23:20Hrs (Qty 180m3) Slope Protection Right wall No work 7:30-13:00Hrs Pouring of concrete 13:25-15:25Hrs Qty=12m3	Downstream K0+522- Sprayed remedial shotcrete 9:55-15:00Hrs Inside invert surface Cleaning and Washing sludge and loading 7:30-17:30Hrs K1+197-1+209 Right Side Cleaning surface for Invert 1m concrete 7:30-15:30Hrs Pouring of concrete 16:20-22:45Hrs Quantity= 108m3 K1+209- Right Side Excavation and mucking 7:30-17:30Hrs Cleaning rock surface for invert concrete 19:30-23:00Hrs K0+705-0+717 Left side Concrete Surface finishing 7:30-17:30Hrs K0+717-0+729 Left side Cleaning for invert concrete 19:30-22:00Hrs Pouring of concrete 22:50-2:00Hrs Quantity= 120m3 K1+317-1+329 Right side Pouring of concrete 3:40-6:15Hrs Quantity= 120m3 K1+305-K1+317 Left side Pouring of concrete 14:00-16:30Hrs Quantity= 156m3 Outlet & Outside K1+444-1+479 Left Side Fixing and welding of formwork for self-compacted concrete 7:30-17:30Hrs Pouring of concrete 7:30-14:45Hrs Quantity= 56m3 Fixing of formwork 19:30-5:30Hrs K1+444-1+468 Right side Fixing of scaffolding for self-compacted concrete 7:30-17:30Hrs Fixing of formwork 19:30-5:30Hrs K1+444.5-1+456.5 Right side Concrete Surface finishing 7:30-10:30Hrs
Right Bank Diversion inlet	K0+086-0+089 Mucking and scaling 8:30-13:15Hrs Mapping 13:25-13:45Hrs Arrangement for 1st layer of shotcrete 14:00-14:30Hrs 1st layer of shotcrete 14:30-16:00Hrs 5m3. K0+089- Drilling for blast 17:00-18:00Hrs Drilling for blast 19:30-22:10Hrs Charging for blast 22:15-1:50Hrs Blast 2:10Hrs Mucking and scaling 2:40-5:30Hrs	K0+089.5-0+092.5 Mucking and scaling 8:00-11:20Hrs Mapping 11:20-11:50Hrs Arrangement for 1st layer of shotcrete 12:30-13:30Hrs 1st layer of shotcrete 14:00-15:00Hrs (Qty 8m3) K0+092.5- Survey for blast 16:15-16:45Hrs Drilling for blast 17:00-18:00Hrs Drilling for blast 19:30-21:20Hrs Charging for blast 21:30-22:25Hrs Blast 22:30Hrs Mucking and scaling 23:00-5:30Hrs	K0+093.5-0+097.5 Arrangement for shotcrete 7:30-9:30Hrs Spraying 1st layer of shotcrete 9:30-10:40Hrs K0+082-0+097 Demarcation for rock bolts 13:00-14:00Hrs Drilling for rock bolts 14:30-17:00Hrs Arrangements for grouting 17:00-17:40Hrs Grouting and installation of rock bolts 19:30-1:00Hrs (83Pcs grouted and 05pcs collapsed) K0+098- Survey for blast 2:00Hrs-2:30Hrs Drilling for blast 3:00Hrs-6:00Hrs	Top Slab Part 12 Removing of formwork 7:30-17:30Hrs Transition part Left and Right Side Removing of formwork 19:30-5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30-17:30Hrs No work 19:30-5:30Hrs	
Right bank diversion outlet	K0+490- Drilling for blast 7:30-9:30Hrs Charging and blast 10:40-13:08Hrs Mucking and scaling 14:00-21:00Hrs Geological mapping (Q value 1.47) 22:00-22:20Hrs Arrangement for 1st layer of shotcrete 22:00-22:30Hrs Spraying 1st layer shotcrete 22:30-23:10Hrs (Qty 8m3) K0+488- Survey for blast 23:05-23:30Hrs Drilling for blast 23:40-5:30Hrs	K0+488- Drilling for blast 7:30-8:15Hrs Charging for blast 8:30-10:20Hrs Blast 10:35Hrs Mucking and scaling 11:00-16:30Hrs Mucking and scaling 19:30-21:30Hrs Geological mapping Q value 1.67 22:00-22:30Hrs Arrangement for 1st layer shotcrete 22:30-23:00Hrs Spraying 1st layer shotcrete 23:00-23:40Hrs (Qty 8m3) K0+497-0+486 Drilling for rock bolts 00:20-5:30Hrs	K0+485- Mucking and scaling 8:00-14:30Hrs Mapping 14:30-15:00Hrs Qv=1.46 K0+481.5- Survey for blast 15:30-16:00Hrs Drilling for blast 16:30-18:00Hrs Charging for blast 20:45-22:20Hrs Blast 22:30Hrs Mucking and scaling 23:00Hrs-5:00Hrs	Part-1 Curing 7:30-15:30Hrs Removing of formwork and loading to outside 19:30Hrs-5:30Hrs Part-4 No work Removing of formwork and loading to outside 19:30Hrs-5:30Hrs	

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [11/34]

Starter Dam	<p>Cut off wall Percussion drilling 7:00-17:30Hrs Percussion drilling 19:30-5:30Hrs Starter Dam Massive rock back filling + roller compaction 19:30-5:30Hrs Drilling for pilling 7:30-17:30Hrs 7:30-5:30Hrs Drilling for pilling 19:30-5:30Hrs Phase II-slot 8-Hole1 Drilling for core sampling 7:30-15:00Hrs 19:30-7:30Hrs Phase I-slot 3-Hole1 Drilling for core sampling 7:30-19:30Hrs Drilling with rotary machine 19:30-7:30Hrs Phase I-slot 3-Hole2 Drilling with rotary machine 7:30-18:00Hrs No work 19:30-7:00Hrs III-3 Block # 04 Block Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:50-5:30Hrs III-1 Block # 08 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-5:30Hrs Pouring of concrete 7:00-8:30Hrs Total quantity 364m3 Removing of formwork 20:00-5:30Hrs III-01 Block # 04 Fixing of reinforcement and fixing formwork 7:30-17:30Hrs EL.775.3-775.5 Left side Drilling for rock bolts 7:30-19:00Hrs No work 19:30-5:30Hrs</p>	<p>Cut off wall Percussion drilling 7:00-19:00Hrs Starter Dam Massive rock back filling + roller compaction 19:30-5:30Hrs Drilling for pilling 7:30-17:30Hrs 19:30-5:30Hrs Phase I-slot 3-Hole2 10:00-17:30Hrs No work 19:30Hrs-5:30Hrs III-3 Block # 04 Block Fixing of reinforcement 7:30-18:00Hrs Fixing of reinforcement 19:30-5:30Hrs III-1 Block # 08 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement and welding work 19:30-5:30Hrs III-01 Block # 04 Fixing of reinforcement and fixing formwork 7:30-17:30Hrs III-05 Block # 03 and III-06 Block # 06 Fixing of reinforcement and welding work 19:30-5:30Hrs</p>	<p>Cut off wall Percussion drilling 7:00-17:30Hr Starter Dam Massive rock back filling + roller compaction 7:30-17:30Hrs No work 19:30Hrs-5:30Hrs EL 775.3-777.5 Arrangement for grouting 23:00Hrs-00:00Hrs Grouting for rock bolt 00:00Hrs-5:30Hrs Phase II-slot 4 Arrangement for concrete 7:30-17:30Hr Pouring of concrete 21:00Hrs-7:00Hrs..... Phase II-slot 8-Hole1 Drilling for core sampling 7:30-17:30Hr Drilling for core sampling 19:30-7:00Hr Phase I-slot 3-Hole2 Drilling with rotary machine 08:00-17:30Hrs No work 19:30Hrs-5:30Hrs III-3 Block # 04 Block Fixing of reinforcement 7:30-17:30Hr No work 19:30Hrs-5:30Hrs III-1 Block # 08 Fixing of reinforcement 7:30-17:30Hr Fixing of reinforcement 19:30-5:30Hr III-01 Block # 04 Fixing of reinforcement and fixing formwork 7:30-17:30Hr III-05 Block # 03 and III-06 Block # 06 Fixing of reinforcement and welding work 7:30-17:30Hr III-05 Block # 03 Fixing of reinforcement and welding work 19:30-5:30Hr.</p>	<p>Cut off wall Percussion drilling 7:00-17:30Hrs Starter Dam Massive rock back filling + roller compaction 7:30-17:00Hrs Drilling for pilling 7:30-17:30 19:30-7:00 EL 775.3-777.5 Arrangement for grouting 7:30Hrs-8:00Hrs Grouting for rock bolt 8:30Hrs-16:30Hrs 21No's Grouted Phase II-slot 4 Pouring of concrete 7:00Hrs-9:30Hrs Quantity 295m3 Phase II-slot 8-Hole1 Drilling for core sampling 7:30-19:00 Drilling for core sampling 19:30-7:00 Phase I-slot 3-Hole2 Drilling with rotary machine 08:00-17:30Hrs No work 19:30Hrs-5:30Hrs III-2 Block # 04 Block Arrangement for pouring concrete 7:30-17:30Hrs III-1 Block # 08 Fixing of formwork + oiling and welding 7:30-17:30Hrs Fixing of formwork and welding 19:30-5:30Hrs III-02 Block # 07 Fixing of reinforcement and PVC pipe 7:30-17:30Hrs III-03 Block # 07 Fixing and welding formwork 7:30-17:30Hrs III-05 Block # 05 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-5:30Hrs III-02 Block # 04 Fixing of reinforcement 7:30-17:30Hrs III-01 Block # 04 Pouring of concrete allowed 9:42Hrs No work 19:30Hrs-5:30Hrs</p>	
Left Bank Traffic Tunnel (From Inlet)	<p>K1+114- No work 7:30-9:00Hrs Survey for blast 9:00-9:40Hrs Drilling for blast 10:00-14:45Hrs K0+960-K0+970 Fixing of wire mesh 7:30-15:00Hrs Arrangement for 2nd layer shotcrete 15:00-16:00Hrs Spraying of 2nd layer shotcrete 16:05-17:55Hrs Qty 24m3 K0+970- Fixing of wire mesh 19:30-5:30Hrs (Qty 14pcs installed)</p>	<p>K0+965- Fixing of wire mesh 7:30-17:30Hrs K0+980- Drilling for weep hole 9:00-17:30Hrs K1+014- Charging for blast 19:30Hrs-21:00Hrs Blast 21:05Hrs Mucking and scaling 21:30-5:30Hrs</p>	<p>K0+092.5- Mucking and scaling 7:30Hrs-8:30Hrs K0+094.5 Survey for blast 8:45-9:15Hrs Drilling for blast 9:30-16:00Hrs Charging for blast 16:05-17:10Hrs Blast 17:20Hrs Mucking and scaling 17:30Hrs-5:30Hrs</p>	<p>K1+016- Mucking 7:30-16:00Hrs Scaling 16:00-17:30Hrs Geological mapping Q value 1.46 19:20Hrs-19:50Hrs K1+019.6 Survey for blast 20:30Hrs-21:30Hrs Drilling for blast 23:00Hrs-3:20Hrs Charging for blast 3:20Hrs-4:20Hrs Blast 4:25Hrs Mucking and scaling 5:00Hrs-6:00Hrs K0+975- Fixing of wire mesh 19:30Hrs-5:00Hrs</p>	<p>K1+019.6 Mucking and scaling 7:30-17:30Hrs Mapping 19:30-20:00Hrs (Q-value= 1.6) Invert leveling 20:00-21:00Hrs Arrangements for shotcrete 21:00-10:00Hrs Geological mapping (Q-value 1.67) 19:30-20:00Hrs Arrangement for 1st layer shotcrete 20:30- 22:30Hrs Spraying 1st layer shotcrete 22:30-23:30Hrs (Qty 8m3) K0+965- Fixing of wire mesh 7:30Hrs-17:00Hrs Spraying 2nd layer shotcrete 23:50Hrs-6:15Hrs (Qty 70m3)</p>
Left Bank Traffic Tunnel (From Outlet)	<p>K1+252- Mucking and scaling 7:30-11:30Hrs K1+290-1+270 Arrangement for 2nd layer of shotcrete 11:30-12:00Hrs 2nd layer of shotcrete 12:20-12:50 Qty 8m3 Shotcrete delayed due to drilling Arrangement for 2nd layer shotcrete 00:30Hrs-1:00Hrs Spraying 2nd layer shotcrete 1:10Hrs-1:40Hrs (Qty 8m3) K1+248- Drilling for blast 13:00-17:30Hrs Drilling for blast 20:00Hrs-21:00Hrs No work Due to shortage of Explosive</p>	<p>No work 7:30-15:30Hrs K1+270-1+295 Arrangement for shotcrete 15:30-16:00Hrs 2nd layer shotcrete 16:15-17:10Hrs Qty 8m3 Arrangement for shotcrete 21:30-22:20Hrs Spraying 2nd layer shotcrete 22:30-5:30Hrs</p>	<p>K0+497-0+484 Arrangement for grouting 7:30Hrs-8:30Hrs Grouting and installation of rock bolts 8:30Hrs-15:45Hr 66pcs installed and 05 Pcs collapse. Washing grout machine and shifting 15:50-17:00Hr. K0+485- Survey for blast 17:00-17:45Hrs Drilling for blast 18:00-22:30Hrs Charging for blast 22:35-00:25Hrs Blast 00:38Hrs</p>	<p>K1+248- Mucking and scaling 9:00-17:00Hrs Mapping 17:00-17:30Hrs Q=0.62 Arrangements for shotcrete 19:30-21:00Hrs Spraying 1st layer shotcrete 22:00Hrs-23:00Hrs (8m3) K1+246- Survey for blast 4:00Hrs-4:30Hrs Drilling for blast 4:30Hrs-6:30Hrs K1+350- Spraying 2nd layer shotcrete 23:00Hrs-1:30Hrs (16m3)</p>	<p>K1+246- Charging for blast 7:00-8:30Hrs Blast 8:35Hrs Ventilation 8:35-9:00Hrs Mucking and scaling 9:00-17:30Hrs Arrangements for 1st layer shotcrete 21:00-22:00Hrs 1st layer shotcrete 22:00Hrs-23:00Hrs (Qty 8m3) K1+340- Remedial shotcrete 23:00Hrs-3:00Hrs (Qty 16m3) K1+244- Survey for blast 3:00Hrs-3:30Hrs Drilling for blast 3:30Hrs-5:30Hrs</p>
Right Abutment access road to Cable Crane Platform at D/S (Right bank)	<p>K0+105-0+111 Excavation with excavator 8:00-17:00Hrs</p>	<p>K0+111- Drilling for blast 8:00-17:00</p>	<p>K0+111-0+117 Charging for blast 8:00Hrs-9:00Hrs Blast 9:30Hrs Excavation 10:00Hrs-17:00Hrs</p>	<p>K0+111-0+117 No work</p>	<p>K0+111-0+117 Drilling for blast 8:00-12:00Hrs Charging 12:10-13:20Hrs Blast 14:00Hrs</p>
Cable crane foundation (Right Bank)	<p>El: 1050- Drilling for blast 8:30-16:30Hrs</p>	<p>El: 1050- Drilling for pre-splitting hole blast 8:10-17:30Hrs</p>	<p>El: 1050- Drilling for blast 8:10-17:30Hrs</p>	<p>El: 1050- Drilling for blast 8:10-18:30Hrs</p>	<p>No work 7:30-17:30Hrs</p>
Siglo RCC Batching plant No. 2	<p>No work 7:00-7:00Hrs</p>	<p>No work 7:00-7:00Hrs</p>	<p>No work 7:00-7:00Hrs</p>	<p>No work 7:00-7:00Hrs</p>	<p>No work 7:00-7:00Hrs Note: Local people stopped work</p>

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [12/34]

					Reason: 1) Local requested to CGGC to hire their some staff at this location, for which CGGC does not agree. 2) SMR payment issue
Uchar New Crushing plant #01	Batching plant Construction of cable trench at power station 7:30~Hrs Welding works 7:30~17:30Hrs	Batching plant Construction of cable trench at power station 7:30~Hrs Welding works 7:30~17:30Hrs	No Work	No Work	No Work
Kass Camp Parking platform (Day Work)	No Work	No Work	No Work	No Work	No Work
CR-5-2 / LU-2	Cable Crane Platform EL. 1032 El:1051~1056 Grouting for rock bolts 15:30Hrs~16:00Hrs (3pcs grouted) El:1041~ Drilling for rock bolts 9:00Hrs~16:00Hrs El:1018~ Excavation 8:00~17:30Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolts 8:00~16:00Hrs El:1041~ Drilling for blast 8:00~16:20Hrs El:1018~ Excavation 8:00~17:30Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Arrangement for grouting 7:30~10:00Hrs El:1041~ Drilling for blast 8:00Hrs~16:00Hrs El:1018~ Excavation 8:00~17:00Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 8:30Hrs~17:30Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for rock bolt 8:30Hrs~17:30Hrs Fixing of scaffolding 8:00Hrs~17:00Hrs
Front of Adit -1	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30~17:30Hrs	No Work	No Work
Date/Day Location	16 Sun.	17 Mon.	18 Tue.	19 Wed.	20 Thu.
Diversion Tunnel A INLET	Top Slab Part 12 Removing of formwork 7:30Hrs~17:30Hrs Removing of formwork 19:30Hrs~5:30Hrs Transition part Removing of scaffolding and formwork 19:30Hrs~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs Part-1 Curing 7:30~15:30Hrs Removing of scaffolding and formwork 19:30Hrs~5:30Hrs Part-4 No work Collecting of formwork ,scaffolding and loading to outside 19:30Hrs~5:30Hrs	Top Slab Part 12 Removing of formwork 7:30~17:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs No work 19:30Hrs~7:00Hrs Gate Slot Right side Pouring of 2nd stage concrete 9:30~7:00Hrs Part-1 Removing formwork and scaffolding 7:30~17:30 Removing of scaffolding and loading to outside 19:30Hrs~5:30Hrs	Top Slab Part 2 Removing of formwork 7:30~17:30Hrs Removing of formwork 19:30~5:30Hrs Gate Slot Left side Fixing and welding of gate frame for sill beam 7:30~17:30Hrs Fixing of concrete pipe for 2nd stage and cleaning 19:30~5:30Hrs Gate Slot Right side Pouring of 2nd stage concrete 7:00~9:45Hrs Total Qty = (C-28=90m3),(C-35 =96m3) = 186m3 Part-1 Removing formwork and scaffolding 7:30~17:30Hrs Removing formwork and scaffolding 19:30~5:30Hrs	Top Slab Part 2 Removing of formwork 7:30Hrs~17:30Hrs Removing of formwork 19:30Hrs~3:30Hrs Top slab part 3 slop area Removing formwork and shifting by crane 7:30~17:30Hrs Removing formwork and shifting by crane 19:30~3:30Hrs Gate Slot Left side Installation of formwork from top slot side 7:30~17:30Hrs Installation of formwork from top slot side 19:30~3:30Hrs Gate Slot Right side Curing of concrete 7:30~15:00Hrs Part-1 Removing formwork and scaffolding 7:30~17:30Hrs Removing formwork and scaffolding 19:30~3:30Hrs Arrangement for cavity grouting 7:30~17:30Hrs Cavity grouting 1:00Hrs~3:00Hrs	Top Slab Part 2 Removing of formwork 06:30Hrs~14:30Hrs Top slab part 3 slop area Removing formwork and shifting by crane 06:30~12:30Hrs Removing and collecting formwork and scaffolding pipes 20:30Hrs~05:30Hrs Gate Slot Right side Curing of concrete 7:30~12:00Hrs Gate Slot Left side Arrangements for pouring 6:30~11:30Hrs pouring of concrete 13:20Hrs~17:15 continue 15m3 Pouring of concrete 23:05Hrs~05:45Hrs continue 16m3 Part-1 Removing formwork and scaffolding 06:30~14:30Hrs Removing formwork collecting scaffolding pipes and loading 20:00Hrs~05:00Hrs Arrangement for cavity grouting 20:30Hrs~21:00Hrs Cavity grouting at crown portion 21:00Hrs~22:00Hrs total 12 holes grouted 21bags cement used
Diversion Tunnel A UNDER GROUND	Downstream K0+540~ Sprayed remedial shotcrete 9:55~ 12:30Hrs K0+465~0+530 Cleaning of surface 19:30Hrs~5:30Hrs K0+729~0+741 Cleaning of surface for invert concrete 19:30Hrs~00:30Hrs K1+197~1+209 Right Side Concrete surface finishing 7:30~10:00Hrs K1+209~K1+221 Right Side Cleaning rock surface for invert concrete 7:30~ 17:30Hrs Cleaning rock surface for invert concrete 19:30~ 2:00Hrs Pouring of concrete 2:20Hrs~6:10Hrs (Qty 112m3) K0+717~0+719 Left side Concrete surface finishing 7:30~10:30Hrs K1+305~K1+317 Left side Concrete surface finishing 7:30~ 8:00Hrs K1+377~1+389 Left side Cleaning of surface for invert concrete 19:30Hrs~21:30Hrs Pouring of concrete 22:20Hrs~2:00Hrs (Qty 168m3) Surface finishing 2:00Hrs~5:30Hrs K1+380~1+429 Right side Cleaning of sludge 19:30Hrs~22:00Hrs K1+225~1+245 Right side Mucking 3:00Hrs~5:30Hrs Outlet & Outside K1+444~1+479 Left Side Fixing and welding of formwork for self-compacted concrete 7:30~17:30Hrs Pouring of concrete 3:20~7:00Hrs	Downstream K0+580~ Sprayed remedial shotcrete 9:00~15:00Hrs K0+621~0+669 Cleaning and washing of sludge 19:30Hrs~5:30Hrs Inside invert surface Cleaning + Washing sludge and loading 7:30~17:30Hrs K1+197~1+209 Right Side Concrete surface finishing 7:30~10:00Hrs K1+209~K1+221 Right Side pouring of concrete 2:25~11:20Hrs Total Quantity poured =148m3 Finishing of concrete surface 11:20~15:00Hrs K0+717~0+729 Left side Concrete surface finishing 7:30~11:30Hrs K0+729~0+741 Left side Cleaning surface for invert concrete 7:30~11:00Hrs Pouring of concrete 11:30~16:30Hrs Qty=120m3 Finishing of concrete 19:30~00:30Hrs K1+257~K1+221 Excavation and mucking 20:30~23:30Hrs K1+317~K1+329 Right side Arrangement for pouring concrete 7:30~12:00Hrs K1+329~K1+341 Right side Cleaning surface for concrete 7:30~16:00Hrs Cleaning surface for concrete 19:30~22:30Hrs K1+377~K1+389 Left side Finishing of concrete 7:30~16:30Hrs K1+390~K1+435 Left side Cleaning of sludge 19:30~5:30Hrs K1+437~1+444 Right Wall	Downstream K0+650~0+680 Spraying remedial shotcrete 10:30~15:10Hrs K0+600~0+750 Cleaning invert and removing sludge 07:30~17:30Hrs Right Side K1+221~1+233 Cleaning of invert 07:30~17:30Hrs Right Side K1+225~1+245 Excavation 22:30~2:30Hrs K1+100~1+200 Cleaning and removing of sludge from invert 07:30~17:30Hrs Right side K1+329~1+341 Pouring of invert 1m concrete 09:20~13:00Hrs Qty=123m3 Surface finishing 13:00~18:00Hrs Right side K1+341~1+353 Cleaning of surface for invert concrete 19:30~5:30Hrs K1+365~1+389 Cleaning of sludge 19:30~5:00Hrs K1+444~1+437 Right side Cleaning of invert 07:30~16:00Hrs Arrangement for concrete 21:30~2:00HRS Pouring of 1m concrete 2:25~4:45Hrs (Qty 108m3) Total quantity poured (108m3) K1+425~1+437 Cleaning of invert 07:30~17:30Hrs Outlet Left side K1+444~1+479 Removing scaffolding access 07:30~17:30Hrs Removing of scaffolding and loading 19:30 ~5:30Hrs Right side K1+444~1+474	Downstream K0+650~0+680 Spraying remedial shotcrete 10:30~16:30Hrs K0+750~0+800 Cleaning invert and removing sludge 07:30~17:30Hrs Right Side K1+221~1+233 Cleaning of invert 07:30~17:30Hrs Right side K1+329~1+341 Curing of concrete 8:00~10:00Hrs K1+341~1+353 Right side Cleaning for 1m concrete 7:30~10:00Hrs Arrangement for 1m concrete 10:00~13:00Hrs Pouring of concrete 13:00~16:40Hrs Qty=120m3 Surface finishing 16:40~2:30Hrs K1+444~1+437 Right side Finishing concrete surface 7:30~17:30Hrs K1+425~1+437 Cleaning for 1m invert concrete 07:30~14:00Hrs Cleaning for 1m invert concrete 19:30~2:30Hrs K1+413~K1+425 Right Side Cleaning for 1m invert concrete 19:30~22:00Hrs Pouring of invert concrete 23:50Hrs~2:15Hrs (Qty 132m3) k1+221~1+245 Right side Cleaning for lean and loading waste material 7:30~16:30Hrs Cleaning of surface for invert concrete 19:30Hrs~3:30Hrs k1+245~1+257 Right side Cleaning of surface 19:30Hrs~2:00Hrs Pouring of concrete 4:00Hrs~6:00Hrs.....	Downstream K0+700~0+750 Spraying remedial shotcrete 06:30~13:30Hrs K0+705~0+735 Cleaning and washing concrete surface 20:00Hrs~5:00Hrs K0+741~0+753 Remedial shotcrete at crown 22:50Hrs~02:30Hrs K0+750~0+800 Cleaning invert and removing sludge 06:30~14:30Hrs Right Side K1+221~1+245 Cleaning of invert for lean concrete 06:30~14:30Hrs K1+221~1+233 Cleaning for invert concrete 20:00Hrs~03:30Hrs K1+233~1+245 Cleaning for invert concrete 20:00Hrs~03:30Hrs Right side K1+245~1+257 Pouring of invert concrete 06:00~08:50Hrs (Qty 98m3) Surface fishing 9:00~14:30Hrs surface finishing 20:00Hrs~23:30Hrs K1+353~K1+365 Right side Pouring of concrete 12:50~17:00Hrs~ 134m3 Finishing of concrete 20:00Hrs~02:30Hrs Right side K1+437~1+425 Cleaning invert for concrete 06:30~14:30Hrs Cleaning invert for concrete 20:00~05:00Hrs K1+425~1+437 Grouting for rock dowels 23:30Hrs~01:30Hrs Right side K1+413~1+425 Finishing concrete surface 06:00~13:00Hrs Outlet Left side K1+444~1+479

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [13/34]

	K1+444-1+468 Right side Fixing of scaffolding for self-compacted concrete 7:30-17:30Hrs Fixing of scaffolding and formwork 19:30-5:30Hrs K1+444-1+479 Left Side Pouring of self-compacted concrete 13:00-17:30Hrs 63m3 Pouring of self-compacted concrete 3:20-6:40Hrs 39m3	Drilling for rock bolt 22:00-23:00Hrs K1+444-1+479 Left Side 6th Pouring of self-compacted concrete 7:30-12:00Hrs Quantity 63m3 Fixing of formwork and welding work 19:30Hrs-5:30Hrs K1+444-1+478 Right side Fixing of formwork and welding works for self-compacted concrete 7:30-17:30Hrs Fixing of formwork and welding works for self-compacted concrete 19:30-5:30Hrs K1+444-1+479 Right side 1st lift Pouring of self-compacted concrete 11:30-15:30Hrs Qty=78m3	Fixing of formwork for self-compacted concrete 07:30-15:30Hrs Pouring of concrete 15:30-22:48Hrs (Qty 62m3)	Outlet Left side K1+444-1+479 Excavation and mucking 8:00-17:30Hrs Excavation with jackhammer and mucking 19:30Hrs-3:00Hrs Right side K1+444-1+474 3rd lift Welding works and Arrangements for pouring 7:30-16:00Hrs Pouring of self-compacted concrete 17:30Hrs-00:10Hrs (86m3)	Removing of scaffolding 06:30-12:30Hrs K1+444-1+478 Excavation mucking and cleaning 21:00Hrs-03:00Hrs Right side K1+444-1+474 4th lift Welding works and Arrangements for pouring 06:30-08:00Hrs Pouring of self-compacted concrete 08:00-13:00Hrs Qty=47m3 Fixing of formwork and welding 20:00Hrs-22:55Hrs arrangement for pouring of concrete 22:00 Hrs-22:55 Hrs Pouring of concrete 22:55 Hrs-01:10 Hrs 5th lift 46m3 and 6th lift 23m3 total 69m3 Outlet outside l/s portal Drilling for rock bolts 21:30 Hrs-22:30Hrs 12 holes drilled
Starter Dam	Cut off wall Percussion drilling 7:00-17:30Hrs Starter Dam Drilling for pilling 7:30-17:30Hrs Drilling for pilling 19:30-7:00Hrs Phase II-slot 9-Hole1 Drilling for core sampling 7:30-16:00Hrs Drilling for core sampling 19:30-7:00Hrs Phase II-slot 5 Arrangement for pouring concrete 11:30-15:00Hrs Pouring of concrete 21:15Hrs-7:05Hrs (Qty 355m3) III-3 Block # 01 Block Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-6:00Hrs III-1 Block # 04 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-6:00Hrs III-01 Block # 01 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-5:30Hrs III-03 Block # 07 Fixing and welding formwork 7:30-17:30Hrs III-05 Block # 03 Fixing of reinforcement 7:30-17:30Hrs III-02 Block # 01 Fixing of reinforcement 7:30-17:30Hrs III-01 Block # 04 Pouring of concrete 10:45-21:45Hrs Qty=348m3	Cut off wall Percussion drilling 7:00-17:30Hrs Starter Dam Drilling for pilling 7:30-17:30Hrs Drilling for pilling 19:30-7:00Hrs Phase II-slot 9-Hole1 Drilling for core sampling 7:30-16:00Hrs Drilling for core sampling 19:30-7:00Hrs Phase II-slot 5 Arrangement for pouring concrete 11:30-15:00Hrs Pouring of concrete 21:15Hrs-7:05Hrs (Qty 355m3) III-3 Block # 01 Block Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-6:00Hrs III-1 Block # 04 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-6:00Hrs III-01 Block # 01 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-6:00Hrs III-02 Block # 01 Fixing of reinforcement 7:30-17:30Hrs Fixing of reinforcement 19:30-6:00Hrs III-01 Block # 04 Chipping 7:30-16:30Hrs	Cut off wall Percussion drilling 7:00-17:30Hrs Starter Dam Drilling for pilling 7:30-17:30Hrs Drilling for pilling 19:30-7:00Hrs Phase II-slot 9 Drilling for core sampling 07:30-17:00Hrs Drilling for core sampling 19:30-7:00Hrs Phase III-5 Block 3 Preparation for pouring concrete 07:3-14:00Hrs Pouring of concrete 14:00-00:30Hrs Total quantity poured(260m3) Phase II-2 Block 4 Pouring of concrete 20:00-7:00Hrs	Cut off wall Percussion drilling 7:00-17:30Hrs Starter Dam Drilling for pilling 7:30-17:30Hrs Drilling for pilling 19:30-7:00Hrs Phase II-2 Block 4 Pouring of concrete 20:50Hrs-1:00Hrs (Qty 348.5) Phase III-3 Block 4 Arrangement for pouring of concrete 7:30-17:30Hrs Phase III-3 Block 5 Removing of formwork 20:00Hrs-3:30Hrs Phase II-2 Block 3 Fixing of formwork 7:30-17:30Hrs Phase II-2 Block 5 Fixing of reinforcement 7:30-17:30Hrs	Cut off wall Percussion drilling 06:30-17:30Hrs Percussion Drilling 19:30 Hrs-05:30 Hrs Starter Dam Drilling for pilling 06:30-17:30Hrs Phase I-slot 7 Drilling for core sampling 06:30-17:30Hrs Phase III-2 Block 3 Fixing of PVC pipes 06:30-12:30Hrs Fixing form work and welding 06:30-12:30Hrs Phase III-3 Block 4 Pouring of concrete 07:00-15:30Hrs Qty= 322m3 Phase III-5 Block 5 Fixing of formwork 06:30-12:00Hrs Phase I-05 block II05 Fixing of reinforcement and welding 20:00Hrs-05:30Hrs Phase II-01 block 04 Fixing of reinforcement 20:00Hrs-05:30Hrs
Right Bank Diversion inlet	K0+101- Charging for blasting 10:30-12:00Hrs Blast 12:09 Mucking and scaling 13:15-18:00Hrs Arrangement for 1st layer shotcrete 20:00-21:00Hrs Spraying 1st layer shotcrete 21:00-21:40Hrs (8m3) Mapping Q value 1.87 20:55-21:10Hrs K0+104- Survey for blast 23:00-23:30Hrs Drilling for blast 00:30-4:00Hrs Charging for blast 4:30-5:30Hrs Blast 5:40Hrs (Explosive 250kg)	K0+104- Mucking and scaling 8:00Hrs Mapping 15:30-16:00Hrs Qv 1.88 Arrangement for shotcrete 14:00-14:30Hrs Sprayed a layer of shotcrete 16:00-16:40Hrs Arrangements for 2nd layer shotcrete 16:50Hrs-6:40Hrs K0+097-0+104 Marking for drilling rock bolt 19:30Hrs-21:00Hrs Drilling for rock bolt 21:20Hrs-1:15Hrs Grouting for rock bolt 1:30Hrs-3:40Hrs (48pcs grouted) K0+406.5- Survey for blast 3:50Hrs-4:20Hrs Drilling for blast 4:30Hrs-6:00Hrs	K0+106.5 Drilling for blast 7:30-10:30Hrs Charging for blast 10:35-12:00Hrs Blast carried out 12:20Hrs(225Kg explosive used) Mucking and scaling 13:00-4:30Hrs Geological mapping 17:30-18:00Hrs (Q.v 1.67) K0+109.5 Drilling for blast 19:30-23:00Hrs Charging for blast 23:00-00:05Hrs Blast carried out 00:10 (250Kg explosive used) Mucking and scaling 00:20-6:30Hrs	K0+107.5-0+112.5 Arrangement for 1st layer shotcrete 8:00:9:00Hrs Sprayed 1st layer of shotcrete 9:00-9:40Hrs Total quantity 8m3 K0+97-0+106 Sprayed second layer of shotcrete 11:00 14:12hrs(total quantity 16m3 K0+109.5-0+112.5 Geological mapping 8:00-8:45Hrs(Q.V 1.87) K0+112.5- Survey for blast 14:30-15:10Hrs Drilling for blast 15:30-17:30Hrs Drilling for blast 20:00-22:50Hrs Charging for blast 23:00Hrs-00:00Hrs Blast 00:05Hrs Mucking and scaling 00:45Hrs-3:30Hrs	K0+112.5 Mucking and scaling 07:00-14:30Hrs Mapping 14:30--15:00 Charging for additional blast 21:15Hrs-22:00Hrs Blast 22:10Hrs explosive used 40Kg Mucking and scaling 22:45Hrs-00:00Hrs Survey for blast 00:30Hrs-01:00Hrs K0+115- Drilling for blast 01:20Hrs-05:45Hrs
Right Bank Diversion Outlet	K0+475- Drilling for blast 09:00-12:45Hrs Charging for blast 13:00-13:50Hrs Blast 13:55Hrs EXP used 250kg Mucking and scaling 15:50-17:30Hrs Mucking and scaling 20:00-1:00Hrs Mapping Q value 1.0 1:15-1:40Hrs Spraying 1st layer shotcrete 3:00-3:30Hrs (Qty 6m3) K0+472- Survey for blast 4:00-4:30Hrs Drilling for blast 6:30Hrs-	K0+472- Drilling for blast 07:00-12:00Hrs Charging for blast 13:10-15:00Hrs Blast 15:08 Mucking and scaling 15:30-17:30Hrs Mucking and scaling 19:30-21:30Hrs Geological mapping Q value 1.1 22:00Hrs-22:30Hrs Arrangement for 1st layer shotcrete 23:00Hrs-00:00Hrs Spraying 1st layer shotcrete 00:40Hrs-1:20Hrs (Qty 8m3) K0+497-0+485 Spraying 2nd layer shotcrete 1:30Hrs-3:00Hrs (Qty 8m3) K0+485-0+469 Drilling for Remaining rock bolt 4:00Hrs-6:00Hrs	K0+485-0+470 Drilling for rock bolt 07:30-13:45Hrs K0+497-0+485 Drilling for remaining rock dowels 13:50-16:30Hrs Arrangements for grouting 13:00-16:00Hrs Grouting and installation of rock bolts 16:00-18:00Hrs 69 pcs Installed 07 holes collapsed Arrangement for grouting 20:00Hrs-21:00Hrs Grouting for rock bolt 21:00Hrs-00:30Hrs (57PCS Grouted and 5pcs remaining grouted) K0+469.5- Survey for blast 2:00-2:30Hrs	K0+469.5- Drilling for blast 7:00-11:30Hrs Charging for blast 11:40-12:30Hrs(225Kg explosive used) Blast carried out 12:33Hrs Mucking 12:33Hrs-17:30Hrs Mucking and scaling 20:00Hrs-22:00Hrs Mapping Q value 1.46 22:15Hrs-22:50Hrs Arrangement for 1st layer shotcrete 23:00Hrs-23:30Hrs Spraying 1st layer shotcrete 23:40Hrs-00:15Hrs (Qty 8m3) K0+485-0+469.5 Spraying 2nd layer shotcrete 00:30Hrs-1:05Hrs (Qty 8m3) K0+467-	K0+485-0+470 Drilling for rock bolts 06:30- K0+466.5 Drilling for blast 8:00-15:30Hrs Charging and blasting 15:30-17:00Hrs Mucking and scaling 20:30Hrs-01:30Hrs Mapping 02:00Hrs-02:30Hrs Qv=1.3

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [14/34]

				Survey for blast 1:40Hrs-2:05Hrs	
Left Bank Traffic Tunnel (From Inlet)	K0+965-0+985 2nd layer shotcrete 08:30-09:00Hrs Qty=8m3 K1+022.5- Survey and demarcation for drilling blast 08:30-09:00Hrs Drilling for blast 10:20-15:00Hrs Charging 15:30-16:50Hrs Blast 16:58Hrs Ventilation 16:58-17:30Hrs Mucking and scaling 20:30-4:30Hrs Geological mapping (Q value 1.33) 4:30-5:00Hrs	K1+022-1+026 1st layer of shotcrete 9:30-10:00Hrs Qty=8m3 K1+013-1+026 Demarcation for drilling rock bolt 10:30-11:00Hrs Drilling for rock bolt 12:30-17:30Hrs Arrangement for grouting 19:30Hrs-21:30Hrs Grouting stop due lack of ventilation Installation of ventilation pipe 22:30Hrs-4:50Hrs	K1+013-1+026 Preparation for installation and grouting 09:30-12:30Hrs Grouting and installation for rock bolts 12:30-16:30Hrs 49 Pcs installed K1003-1+113 Grouting for remaining rock bolts 16:50-17:30Hrs K1+026- survey for blast 16:50-17:20Hrs Arrangement for drilling blast 19:30-21:00Hrs Drilling for blast 21:00-00:30Hrs Charging for blast 00:30:2:40Hrs Blast carried out 2:50Hrs Ventilation 2:50-3:20Hrs Mucking 3:30-5:30Hrs Mucking stop due to mechanical fault to loader 5:30-7:00Hrs	K1+026 Mucking continue 7:30-15:40Hrs Mapping 15:45-16:10Hrs Survey for blast 16:20-17:00Hrs K0+980- Fixing wire mesh 10:20-16:00Hrs Fixing wire mesh 20:00-03:00Hrs	K1+028.5 Survey and demarcation 06:30-07:00 Drilling for blast 07:00-14:00Hr. Charging and blast 14:00-15:40Hr. Ventilation 15:40-16:20Hr. Mucking and scaling 20:00 Hrs-05:00 Hrs
Left Bank Traffic Tunnel (From Outlet)	K1+243- Charging for blast 7:00-8:00Hrs Blast 8:30Hrs Ventilation 8:30-9:00Hrs Mucking and scaling 9:00-17:30Hrs Spraying 1st layer shotcrete 1:00-1:30Hrs (8m3) K1+340- Spraying remedial shotcrete 1:40-3:45Hrs (16m3)	K1+252-1+240 Arrangements for drilling 7:30-8:30Hrs Drilling for rock bolt 8:30-14:30Hrs Arrangements for grouting 20:00-2:00Hrs Grouting for rock bolt 2:00-5:30Hrs 54pcs grouted and 4pcs collapse	K1+341-1+330 Survey for steel arch 09:00-09:30Hrs Fixing of steel arch 09:30-17:30Hrs Fixing of steel arch 19:30-5:30Hrs	1245 K1+330- Fixing of steel arch 7:30-17:30Hrs Drilling for anchor bars 9:00-16:30Hrs Fixing of steel arches 20:00Hrs-3:00Hrs	1245 K1+330- Fixing of steel arch 06:30-14:00Hrs fixing of steel arches 20:00 Hrs-03:00 Hrs
Right Abutment access road to Cable Crane Platform at D/S (Right bank)	K0+117- Excavation 8:00-11:00Hrs	K0+111-0+117 No work	K0+111-0+117 No work	K0+111-0+117 No work	K0+117- Excavation with excavator 08:00Hrs-11:30Hrs
Cable crane foundation (Right Bank)	El: 1050- Charging for blast 8:00-12:30Hrs Blast 1:00Hrs	El: 1051- Excavation 8:00-17:00Hrs	El: 1051- Excavation with excavator 8:00-17:30Hrs Drilling for blast 8:00-17:30Hrs	El: 1051- Excavation 8:00-17:30Hrs Drilling for blast 8:00-17:30Hrs	El: 1051- Excavation 8:10-11:30Hrs El.1050- Drilling for blast 08:00Hrs-13:30Hrs
Siglo RCC Crush Plant 2 Siglo RCC Batching plant No. 2	No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire their some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire their some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire their some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire their some staff at this location, for which CGGC does not agree. 2) SMR payment issue	No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00-7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire their some staff at this location, for which CGGC does not agree. 2) SMR payment issue
Uchar New Crushing plant #01	No Work	No Work	No Work	No Work	No Work
Kass Camp Parking platform (Day Work)	No Work	No Work	No Work	No Work	No Work
CR-5-2 / LU-2	Cable Crane Platform EL. 1032 El:1051-1056 Drilling for rock bolt 8:30-17:30Hrs	Cable Crane Platform EL. 1032 El:1051-1056 Drilling for rock bolt 7:50-17:30Hrs K0+410-0+480 Charging for blast 10:15-11:00Hrs Blast 12:00Hrs Excavation and mucking 12:30-17:00Hrs	Cable Crane Platform EL. 1032 El:1051-1056 Drilling for rock bolt 8:30-17:00Hrs K0+410-0+480 Mucking and excavation 8:00-17:00Hrs	Cable Crane Platform EL. 1032 El:1051-1056 Drilling for rock bolt 7:30Hrs-17:30Hrs Mucking and excavation 8:00Hrs-17:00Hrs	Cable Crane Platform EL. 1032 El:1051-1056 Mucking and excavation 08:00 Hrs-16:00 Hrs Drilling for rock bolts 07:30 Hrs-16:00 Hrs Drilling for blast 09:30Hrs-16:00 Hrs
Front of Adit -1	Dumping and back filling for Cr2 ceremonial platform 7:30-17:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30-17:30Hrs Dumping and back filling for Cr2 ceremonial platform 20:00-5:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30-17:30Hrs	Dumping and back filling for Cr2 ceremonial platform 7:30-17:30Hrs	No wrok 08:00 Hrs-05:00 Hrs

Date/Day Location	21 Fri.	22 Sat.
Diversion Tunnel A INLET	Top Slab Part 2 Removing of formwork 05:30Hrs-14:00Hrs Removing of formwork 19:30Hrs-5:30Hrs Top slab part 3 slop area Removing formwork and shifting by crane 05:30-14:00Hrs Removing formwork and shifting by crane 19:30-5:30Hrs Gate Slot Right side Removing of form work 05:30-14:00Hrs Gate Slot Left side Pouring of 2nd stage concrete (night to 12:40Hrs) Qty=183m3 C-28=116m3 C-35=67m3 Part-1 Removing formwork and scaffolding 06:00-14:00Hrs Repairing of crown portion 06:00-12:00Hrs Removing scaffolding 19:30-5:00Hrs	Top slab part 3 slop area Removing formwork and shifting by crane 05:30-14:30Hrs Removing formwork and scaffolding 19:30-5:00Hrs Gate Slot Right side Removing of form work 05:30-14:00Hrs Gate Slot Left side Pouring of 2nd stage concrete (night to 12:40Hrs) Qty=183m3 C-28=116m3 C-35=67m3 Part-1 Removing formwork and scaffolding 06:00-14:00Hrs Repairing of crown portion 06:00-12:00Hrs Removing scaffolding 19:30-5:00Hrs

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [15/34]

Diversion Tunnel A UNDER GROUND	<p>Removing formwork , scaffolding and loading to outside 19:00-5:30Hrs</p> <p>Downstream K0+750-0+780 Spraying remedial shotcrete 05:30-14:30Hrs Spraying remedial shotcrete 22:00-2:30Hrs (Qty 24m3) K0+780-0+800 Cleaning invert and removing sludge 05:30-15:00Hrs K0+700-0+729 Cleaning of surface 19:30Hrs-3:30Hrs Right Side K1+221-1+233 Pouring of concrete 8:30-11:30 Qty=124m3 Surface finishing 19:30Hrs-5:30Hrs Right side K1+233-1+245 Pouring of concrete 11:40-15:30 Qty= 147m3 Surface finishing 19:30Hrs-5:30Hrs Right side K1+437-1+425 Pouring of concrete is allowed 07:42Hrs Pouring of concrete 10:30-13:45 Qty= Qty= 121.5m3 Right side K1+365-1+377 Pouring of concrete is allowed 08:49Hrs cleaning of surface for invert concrete 19:30Hrs-23:30Hrs Pouring of concrete 23:50Hrs-1:38Hrs (Qty 112m3) Surface finishing 1:40Hrs-5:30Hrs K1+430-1+440 Left side Mucking 22:20Hrs-23:20Hrs Outlet Left side K1+444-1+479 Removing of scaffolding 05:30-12:00Hrs Excavation with jackhammer and mucking 19:30Hrs-00:30Hrs K1+479- Excavation and drilling 12:00-16:30Hrs Charging for blast 1:00Hrs-2:30Hrs Blast 2:45Hrs (Explosive Qty 25kg) Right side K1+444-1+474 6th lift Pouring of self-compacted concrete 06:00-13:00Hrs 58m3 Removing of scaffolding and loading to outside 19:30Hrs-5:30Hrs Slope protection area Left side</p>	<p>Downstream K0+800- Spraying remedial shotcrete 6:30-14:00Hrs Spraying remedial shotcrete 21:30-2:00Hrs Right Side K1+260-1+380 Cleaning invert surface 6:00- Right Side K1+377-1+389 Pouring of invert 1m bedding concrete 23:00-2:21Hrs Qty=120m3 Right side K1+401-1+413 Surface cleaning for invert 9:00-14:30Hrs Pouring of invert concrete 2:30-10:00Hrs Qty=124m3 Right side K1+401-1+389 Pouring of invert concrete 9:00-12:00Hrs Qty=91m3 Surface finishing 12:00-16:30Hrs Surface fishing 19:30-5:00Hrs Outlet Left side K1+444-1+478 Excavation with jack hummer 8:30-14:00Hrs Mucking 9:00-15:30Hrs Drilling for rock dowels 1:00-2:40Hrs Right side K1+444-1+462th lift Removing of scaffolding 06:00-14:30Hrs Removing of scaffolding 20:30-5:00Hrs Outlet left side slope protection El.771-778.5 Fixing of wire mesh 7:30-12:30Hrs Spraying of 2nd layer of shotcrete 22:40-23:45Hrs Qty=15m3</p>
Starter Dam	<p>Cut off wall Percussion drilling 05:30-17:00Hrs Starter Dam Drilling for pilling 05:30-17:00Hrs Drilling for pilling 19:30-7:00Hrs Phase I-slot 7 Drilling for core sampling 05:30-16:00Hrs Drilling for core sampling 19:30-7:00Hrs Phase II-1 Block 04 Fixing of reinforcement 06:00-13:00Hrs Phase III-3 Block 06 Fixing form work 05:30-12:30Hrs Phase III-2 Block 05 Fixing of form work 05:30-14:00Hrs Phase II-3 Block 05 Fixing of reinforcement 20:00Hrs-5:00Hrs Phase III-4 Block 6 Preparation for pouring of concrete 05:30-10:35Hrs Pouring of concrete 10:35-19:00Hrs Qty 332.5m3 so far Pouring of concrete 22:00Hrs-22:30Hrs (QTY 340.5m3)</p>	<p>Cut off wall Percussion drilling 05:30-19:00Hr Drilling for core sampling 5:30-17:30Hr. II-3 Block 4 Fixing of formwork and reinforcement 5:30-14:00Hr. II-2 Block 6 Arrangement for pouring of concrete 6:00-10:00Hr. II-2 Block 4 Pouring of concrete 23:15-05:30Hr. Continue... III-3 Block 6 Arrangement for pouring of concrete 5:30-10:15Hr Pouring of concrete 11:50-18:00Hr. III-5 Block 5 Fixing of formwork 5:30-4:00Hr III-4 Block 6 Removing of formwork 10:00-15:00Hr. III-5 Block 7 Fixing of formwork 10:00-15:30Hr.</p>
Right Bank Diversion inlet	<p>K0+115- Drilling for blast 05:30-07:30 Charging 08:00-11:30Hrs Blast 11:40Hrs Mucking 12:30-16:40Hrs Mucking 20:30-00:00Hrs Mapping Q value 1.88 00:15Hrs-00:40Hrs Arrangement of 1st layer shotcrete 00:40Hrs-1:20Hrs Spraying of 1st layer shotcrete 1:20Hrs-2:00Hrs K0+112.5- Marking for rock bolt 2:30Hrs-3:00Hrs Drilling for rock bolt 4:00Hrs-5:30Hrs</p>	<p>K0+106-K0+118.5 Drilling for rock bolt 5:30-13:00Hr Arrangement for grouting 13:00-15:30Hr. Grouting for rock bolt 20:45-00:30Hr. 77pcs installed. Arrangement for shotcrete 1:00-1:30Hr. 2nd layer of shotcrete 1:45-2:20Hr. Qty 15.2m3.</p>
Right Bank Diversion Outlet	<p>K0+466.5-463.5 Preparation for 1st layer shotcrete 05:30-07:30 1st layer shotcrete sprayed 08:15-09:15 (Quantity=8m3) No work due to lack of resources 9:15-12:00Hrs K0+462.5 Survey for blast 12:00-21:40Hrs Drilling for blast 13:00-17:00Hrs Drilling for blast 20:00-00:00Hrs</p>	<p>K0+462..5- No work 05:30-05:30</p>
Left Bank Traffic Tunnel (From Inlet)	<p>K1+028.5 Mucking and scaling 05:30-09:20 Geological mapping 09:20-10:00 1st layer shotcrete 10:00-11:00Hrs Quantity=8m3 K1+031.5 Survey for blast 11:30-12:00Hrs Arrangements for drilling 12:00-12:50Hrs Drilling for blast 13:00-16:30Hrs Charging for blast 16:40Hrs-17:30Hrs (Explosive used 250kg) Blast 18:00Hrs Mucking and scaling 21:00Hrs-5:30Hrs</p>	<p>K1+031.5- Mucking and scaling 06:00-06:30Hrs Mapping 11:00-11:45Hrs Survey for blast 11:10-11:50Hrs Drilling for blast 12:20-16:00Hrs Charging for blast 16:20-17:40Hrs Blast 18:00Hrs Mucking and scaling 20:00-3:00Hrs K0+984- Fixing of wire mesh 9:00- 15:00Hrs</p>
Left Bank Traffic Tunnel (From Outlet)	<p>1245 K1+330- Fixing of steel arch and welding works 05:30-16:00Hrs Arrangement for anchor bar drilling 21:00Hrs-21:30Hrs Drilling stop due to drill jumbo breakdown</p>	<p>1245 K1+330- No work 05:30-11:00 Drilling for anchor bars 11:00-15:30Hrs Fixing of steel arches 20:00-3:00Hrs 3 Pcs installed</p>
Right Abutment access road to Cable Crane Platform at D/S (Right bank)	<p>K0+111-0+117 No work</p>	<p>K0+111-0+117 No work</p>
Cable crane foundation (Right Bank)	<p>El: 1050-1035 Charging for blast 8:00Hrs-12:00Hrs Blast 12:33Hrs</p>	<p>Left side Grouting and installation of rock bolts 9:30-11:30Hrs 27Pcs installed Excavation 11:30-16:00Hrs</p>
Siglo RCC Crush Plant 2 Siglo RCC Batching plant No. 2	<p>No work 7:00-7:00Hrs Note: Local people stopped work</p>	<p>No work 7:00-7:00Hrs No work 7:00-7:00Hrs</p>

**Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)**

Appendix K [16/34]

	Reason: 1) Due to environmental issue they don't allow construction of crush plant 2) SMR payment issue No work 7:00~7:00Hrs Note: Local people stopped work Reason: 1) Local requested to CGGC to hire their some staff at this location, for which CGGC does not agree. 2) SMR payment issue	
Uchar New Crushing plant #01	No Work	No Work
Kass Camp Parking platform (Day Work)	No Work	No Work
CR-5-2 / LU-2	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for blast 7:30Hrs~15:30Hrs Drilling for rock bolt 8:00Hrs~15:50Hrs Excavation 7:30Hrs~16:30Hrs	Cable Crane Platform EL. 1032 El:1051~1056 Drilling for blast 8:00Hrs~16:30Hrs Drilling for rock bolt 7:30Hrs~12:00Hrs
Front of Adit -1	No Work	No Work

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [17/34]

Daily Work Records of MW-02

Date/ Day Location	1 Saturday	2 Sunday	3 Monday	4 Tuesday	5 Wednesday	6 Thursday	7 Friday
Tailrace outlet Constructi on Tunnel CT-2	Day F.Ch:1+547.5 (U/S) No activity due to electricity problem F.Ch:1+615.40 (D/S) No activity due to electricity problem Night F.Ch:1+547.0 (U/S) 22:00-) Drilling for blast F.Ch:1+615.4 (D/S) No more activity due to limited resources	Day F.Ch:1+547.5 (U/S) Mucking & scaling Mapping (Qv=3.40) No further activity due to electricity breakdown after 09:30AM F.Ch:1+615.40 (D/S) Ch.:1+611.0-1+615.0 2nd layer shotcrete (PS Qty=5.0m³) No further activity due to electricity breakdown after 09:30AM Night F.Ch:1+547.0 (U/S) No activity due to electricity problem F.Ch:1+615.4 (D/S) No activity due to electricity problem	Day No Activity due explosive shortage Night No Activity due explosive shortage	Day No Activity due explosive shortage Night No Activity due explosive shortage	Day F.Ch:1+544.5 (U/S) Charging for Additional blast Blast carried F.Ch:1+615.40 (D/S) Drilling for blast Charging for blast Blast carried out Mucking is in progress. Night F.Ch:1+547.0 (U/S) No activity due to limited resources F.Ch:1+615.4 (D/S) No activity due to limited resources	Day F.Ch:1+544.5 (U/S) No activity F.Ch:1+615.40 (D/S) No activity Night F.Ch:1+547.0 (U/S) Ch. 1+550.5-1+548.5 Grouting and installation of rock d owls (18pcs grouted) 2pcs rejected F.Ch:1+615.4 (D/S) Ch1+614 Grouting and installation of rock dowels (8pcs grouted) 2pcs rejected.	Day F.Ch:1+544.5 (U/S) F.Ch:1+551.0-1+544.5 0 Installation of wire mesh F.Ch:1+619.00 (D/S) No activity Night F.Ch:1+544.0 (U/S) Survey for blast Drilling for blast 01:20-) Charging for blast (Expo=275kg) F.Ch:1+615.4 (D/S) No activity
Tailrace outlet Constructi on Tunnel CT-2	Day F.Ch:1+618.50(U/S) No activity due to electricity problem F.Ch:1+668.5(D/S) No activity due to electricity problem Night F.Ch:1+618.50(U/S) No activity due to electricity problem Note: No more activity due to electricity problems F.Ch:1+668.5(D/S) Note: No activity due to electricity problems after 17:00Pm Note: Ventilation problems in TRT-02	Day F.Ch:1+615.00(U/S) 1st layer shotcrete (PS Qty=6.0m³) No further activity due to electricity breakdown after 09:30 F.Ch:1+668.5(D/S) Ch...:1+665.0-1+668.0 2nd layer shotcrete (PS Qty=6.0m³) No further activity due to electricity breakdown after 09:30AM Nigh F.Ch:1+618.50(U/S) No activity due to electricity problem F.Ch:1+668.5(D/S) No activity due to electricity problem	Day No Activity Night No Activity.	Day No Activity Night No Activity.	Day F.Ch:1+614.50(U/S) Ch...:1+615 Grouting for rock dowels(10 Pcs) F.Ch:1+668.5(D/S) Repairing & welding work of platform. Night F.Ch :1+618.50 (U/S) survey for blast Drilling for Blast F.Ch:1+668.5(D/S) No activity due to limited resources	Day F.Ch:1+614.50(U/S) Drilling for blast Charging for blast Blast carried out Mucking is in progress F.Ch:1+668.5(D/S) No activity. Night F.Ch :1+618.50 (U/S) No activity due to limited resources F.Ch:1+668.5(D/S) Drilling for Blast	Day F.Ch:1+614.50(U/S) Repairing & welding works of platform F.Ch:1+665.0(D/S) Mucking & scaling Mapping (Qv=3.43) Night F.Ch :1+618.50 ~ 1+612 (U/S) Fixing of wire mesh F.Ch:1+668.5(D/S) No activity.
ADFT+ CT01	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
Tailrace 01 From CT-01	Day Ch.: 0+13 - 0+16 - (U/S) Survey for blast No more activity due to limited resources Night Ch.: 0+13 (U/S) Ch.: 0+16 approx. (D/S) Scaling. Arrangement for survey	Day No Activity due to electricity problem Night Drilling for blast	Day Ch.: 0+13 (U/S)) Drilling for blast Charging for blast Expo=300Kg blast is carried out (14:15) Mucking in progress... Night Ch.: 0+6.4-0+4.5 Mucking is in progress.	Day Ch.: 0+6.4-0+4.5 (U/S) Mucking is in progress. Night No Activity due to limited resources	Day (0+013 - 016 (D/S) no activity 0+004.5 - 0+002.5 (U/S) 07:00 - 07:30) Survey for additional blast 07:40 - 13:45) Drilling for additional blast Charging for additional blast in progress... Explosive=75kg Note: Contractor is notified to provide the required support on previous round. Night Ch.: 0+6.4-0+4.5 No Activity due to resources limitation	Day (0+013 - 016 (D/S) no activity 0+004.5 - 0+002.5 (U/S) Mucking and scaling. Note: Rock fall observed during scaling Night. Ch.: 0+6.4-0+4.5 Scaling) 1st layer shotcrete Qty=8m³	Day Ch.:0+12.0 ~0+15.5 (D/S) Fixing of wire mesh on left wall Ch.:0+4.5 ~0+15.5 1st layer 2nd Go shotcrete Qty=8m³ Night Ch.: 0+6.4-0+4.5 U/S Fixing of wire mesh on Right wall
Tailrace 02 From CT-01	Day (Charging for blast (Expo=300kg)09:25) Blast carried out9:45-) Mucking in progress... Night (0+006.4 - 013.4 (U/S) Mucking is in progress.	Day (0+006.4 - 013.4 (U/S)Scaling07:45-08:25) Mapping Qv 0.66No more activity due to electricity problem after 09:15 Night (0+006.4 - 013.4 (U/S) No activity due to limited resources	Day (0+006.4 - 013.4 (D/S)07:20-Survey for blast NIGH (0+006.4 - 013.4 (U/S) (0+013 - 016 (D/S) Drilling for blast Drilling jumbo breakdown Drilling for Blast	Day (0+013 - 016 (D/S)06:30-Drilling for blast Charging for blast in progress... Night (0+006.4 - 013.4 (U/S) No activity (0+013 - 016 (D/S) Charging for blast (Expo=275kg) Blast carried out 00:34-) Mucking is in progress	Day (0+013 - 016 (D/S) 07:35-15:45) Mucking Night (0+006.4 - 013.4 (U/S) No activity due to limited resources (0+013 - 016 (D/S) scaling and Invert leveling Charging for additional blast Blats carried out.	Day (0+013 - 016 (D/S)) Mucking in progress... Night (0+006.4 - 013.4 (U/S) No activity due to limited resources (0+013 - 016 (D/S) No activity due to limited resources	Day Ch.:0+4.5-0+15.5:10:0 51st layer shotcrete Qty=8m³ Night Ch.:0+4.5 ~0+15.5 Arrangement for shotcrete 1st layer 2nd Go shotcrete Qty=8m³
TC I 1	Day F.Ch:0+241.0 I1, I2, I3 Ch.: 0+40.5-0+45.5 Grouting for PS tendons (3Pcs) Location: Tc10-5(898-4), Tc9-5(292.6kg), Tc9-6(190.9kg) Ch.:0+170-0+240 10:00-11:30) Excavation for side drain	Day F.Ch:0+241.0 I1, I2, I3 Ch.: 0+15.5 Grouting for PS tendons (1Pcs) Location: TC3-5 Ch:0+140-) Invert excavation and Mucking of both sides drain No more activity due to electricity problem after 09:15	Day F.Ch:0+241.0 I1, I2, I3 Ch: 0+140-0+170 Invert excavation and Mucking of both side drain Ch.:0+45.5 Grouting for PS tendon Location: P10-6 (204kg) Ch.:0+45.0 Assembling and	Day F.Ch:0+241.0 I1, I2, I3 Ch: 0+160-0+170 Invert excavation at both sides Ch.:0+45.5; 0+110 - (I-1) Grouting for extensometer Location: Tc-YQK (630.5kg), Ch.: 0+045 (I-2))	Day F.Ch:0+241.0 I1, I2, I3 Ch:0+130.5-0+110.5 Invert excavation at both sides Ch.: 0+045 (I-2) Dismantling of Scaffolding platform for extensometer Night F.Ch:0+241.0 I1, I2, I3	Day F.Ch:0+241.0 I1, I2, I3 Ch:0+130.5-0+110.5) Invert excavation at both sides Ch.: 0+045 (I-2) Assembling & Installation of extensometer Ch.: 0+045 (I-3) Arrangements for extensometer Drilling. Night	Day F.Ch:0+241.0 I1, I2, I3 Ch:0+80-0+60 Invert excavation at both sides Ch. 0+45 (I-3) Drilling for extensometer Night F.Ch:0+241.0 I1, I2, I3 Left side Ch:0+80-0+60

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [18/34]

	Ch:0+110.0 Installation of extensometer Night F.Ch:0+241.0 I1, I2, I3 Ch.: 0+40.5-0+45.5 Grouting for PS tendons (3Pcs) Ch.:0+170-0+240 Excavation for side drain Ch:0+110.0 Installation of extensometer	Night F.Ch:0+241.0 I1, I2, I3 Right Ch:0+140- Invert excavation and Mucking of both side drain Ch. 0+100-0+110 Removing of Cement scaffolding platform Ch. 0+25.5-0+30.5 Grouting for PS tendon Location P1-6 is continued P7-6 Washed due leakage.	Installation of extensometer. Nigh F.Ch:0+241.0 I1, I2, I3 Right Ch:0+150-0+130 Invert excavation and Mucking of both side	Drilling for extensometer Ch.:0+100-0+80 Invert cleaning and mucking Night F.Ch:0+241.0 I1, I2, I3 Ch:0+150-0+130 Invert excavation and Mucking of both sides.	Ch:0+110-0+70 Invert excavation by jack hammer Ch. 0+45 Shifting scaffolding platform left to right side.	F.Ch:0+241.0 I1, I2, I3 Ch:0+110-0+70 Invert excavation and mucking Ch. 0+45 (I-3) Drilling for extensometer	Invert excavation and mucking Ch. 0+45 (I-3) Drilling for extensometer
TC II-2(1)+TCII-2(2) (Left and Right)	No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity.	Day No Activity Night No Activity.	Day	Day No Activity Night No Activity.	Day No Activity Night No Activity
TC Left crown I-2	No Activity	Day No Activity Night No Activity	Day No Activity Night F.Ch:0+241.0- (D/S) Ch.:0+045.5 Arrangement for Drilling Drilling for Extensometer	Day No Activity Night No Activity.	Day No activity	Day No Activity Night No Activity.	Day No Activity Night F.Ch:0+241.0- (D/S) Ch.:0+045.5 Drilling for Extensometer
TC I 3 Right Crown	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
PH I-1 Center Crown	Day F.Ch:0+241.0 I1, I2, I3 No Activity due to labors shift change Night. F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m.	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m. Night F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m.	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m. Ch.:0+217.5-0+ water pressure test night F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m.	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m. Night F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m.	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 Drilling for PS Tendon on scaffolding platform up to 6m. Night F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+230.0 Drilling for PS Tendon on scaffolding platform up to 6m.	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+215.0-0+225.0 drilling for rebar cutting for PS tendons. Frequent breakdowns observed. Ch.:0+215-0+190 drilling for rebar cutting for PS tendons. Frequent breakdowns observed Night. F.Ch.:0+241 Ch. 0+209-0+225 Drilling for PS tendon up to 6m	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+200-0+180 cutting for PS tendons. Frequent breakdowns observed Night. F.Ch.:0+241 Ch. 0+209-0+225 Drilling for PS tendon up to 6m
PH II-1	Day F Ch.:0+241 II-2 Left Ch:0+221-0+200 Drilling for PS tendons up to 6m Night F Ch.:0+241 No more activity due to limited resources	Day F Ch.:0+241 II-2 Left Ch:0+221-0+200 Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No more activity due to limited resources	Day No Activity Night No Activity.	Day F Ch.:0+241 II-2 Left Ch:0+221-0+200 Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No more activity due to limited resources	Day F Ch.:0+241 II-2 Left Ch:0+221-0+200 Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No activity due to limited resources	Day F Ch.:0+241 II-2 Left Ch:0+221-0+200 Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No activity due to limited resources	Day F Ch.:0+241 II-2 Left Ch:0+221-0+200 Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No activity due to limited resources
PH II-2(1)+Ph. II-2(2) (Left and Right)	Day No Activity Night II-2 RIGHT Ch. 0+1.15-0+20.7 Installation of bearing plates & Tensioning for 07m TRB (07pcs) Ch. 0+60-0+40 Installation of supporting bars for PS tendon, Ch:0+230-0+240 Installation of TRB plates. Ch. 0+200-0+210 Drilling for PS tendon upto 6m. II-2 Left Ch:0+230-0+240 Installation of plates for TRB Ch.:0+201.25 Installation of PS tendons (01 pcs) Locations: (PH88-4)	Day II-2 RIGHT Ch. 0+57.5-0+59.8 Installation of bearing plates & Tensioning for 07m TRB (pcs) Location:- Ch. 0+220-0+200 Drilling for PS tendon up to 6m Ch:0+110.0- 0+90.0 Drilling for rebar cutting Ch.:0+110.0- Drilling & Installation of supporting bar for PS tendon No more activity due to electricity problem after 09:15 II-2 LEFT Ch.:0+100.0- Drilling & Installation of supporting bar for PS tendon Ch. 0+146.05 - Grouting of PS Tendon Packer II-2 RIGHT Ch. 0+57.5-0+59.8 Installation of bearing plates & Tensioning for 07m Ch:0+60-0+45 Installation of TRB plates. Ch. 0+220-0+200	Day II-2 RIGHT Ch.:0+198.0-0+210 Drilling for PS Tendon up to 13.5m. Ch.: 0+179.4-0+105.8 07:00-11:00) Installation of bearing plates & Tensioning for 07m TRB (05pcs) TRB, s rotated during tensioning Ch:0+110.0- 0+90.0 07:00-10:00) Drilling for rebar cutting Drilling machine breakdown Ch.:0+110.0-0+90 Drilling & Installation of supporting bar for PS tendon II-2 LEFT Ch. 0+205.0-0+215.0 07:00-13:00) Installation of bearing plates Ch. 0+118.45-175.95.0 07:40-13:30) Packer Grouting of PS Tendons (PCs 40)	Day Ch.: 0+184.0-0+156.5 07:00-11:30) Installation of bearing plates & Tensioning for 07m TRB (07 pcs) Location:- R60-5, R57-4, R54-5, R52-5, R48-5, R42-5, R36-5 Ch.: 0+130 - 150 07:00 -) Invert cleaning and assembling of scaffolding platform for storage of cement for grouting Ch:0+100.0- 0+90.0 7:00-15:00) drilling of rebar cutting Note: During drilling Drill jumbo(2Z16) breakdown again Ch.:0+050 - 070 06:45-13:00) Drilling & Installation of supporting bar for PS tendon Ch:0+212.75-0+134.35 11:30-14:00) water pressure test	Day II-2 RIGHT Ch.: 0+70.15-0+62.1 Installation, fixing of bearing plates &Tensioning for 07m TRB (08 pcs) Location:- R44-4, -R43-4, -R46-4, -R45-3, -R40-3, -R39-3, -R41-4, -R45-4 Ch.: 0+130 - 150 07:00 - 12:00) Assembling of scaffolding platform for storage of cement for grouting Ch.:0+110.0-130 06:45-12:00) Drilling & Installation of supporting bar for PS tendon Ch:0+132.25-0+162.15 06:45-12:00) water pressure test (15 Pcs) Location: PH71-11 (1.0l/m), PH71-12 (2.0), PH70-11 (1.6), PH60-11 (3.2), PH58-11 (2.2), PH58-12 (0.0), PH68-13 (0.0), PH 69-13 (0.2), PH58-13 (4.1), PH59-11(2.8),PH70-12(3.5), PH69-12(0.2),PH68-12(1.6), PH70-13(2.6), PH71-13(3.1)	Day II-2 RIGHT Ch.: 0+56.35-0+54.05 Installation of bearing plates & Tensioning for 07m TRBs (2pcs) Location:- -R51-3, -R53-3 Ch:0+129.95-0+118.45 06:45-13:15) water pressure test (16 Pcs) Location: Ph57-11 (4.1 l/m), 56-13 (3.7), 56-11 (3.1), 56-12 (1.8), 57-13 (4.8), 55-11 (4.7), 57-12(3.7), 54-12 (2.9), 54-13 (2.8), 55-12(4.3), 55-13 (3.5), 54-11(3.4), 53-12(4.2), 53-11(2.2), 53-13(4.2), 52-13(4.5). Ch.:0+150-0+70 7:15-15:00) Drilling for PS Tendon up to 6m. II-2 LEFT Ch.: 0+228.85-0+231.15 06:45-09:01) Installation of PS tendon (05pcs) Location: Ph99-2, ph100-2, ph100-3, ph101-2, ph101-3 Ch.:0+157.55-0+141.45 07:45 - 12:15) Grouting for PS Tendon (8 pcs) Location: Ph59-2(257kg), 59-3 (272.8kg), 62-2 (241.9kg), 60-2 (230.7kg).	Day II-2 RIGHT Ch. 0+ Installation of bearing plates & Tensioning for 07m TRB (09 pcs) Location:- -R59-3, -R58-4, -R55-3, -R56-3, -R56-4, -R57-4, -R55-4, -R54-4, -R53-4, -R52-4 Ch:0+170.2-164.45 06:20-12:15) water pressure test (16 Pcs) Location: PH46-11,12, 45-11, 45-12, 44-12, 47-11, (8.6) 48-11,12 43-13, 12, 47-13, 44-13, 46-13, 47-12, 45-13, 48-13 Ch.:0+180.0-0+160 06:30-15:00) Drilling for PS Tendon up to 13.5m. Ch:0+143.75-146.05 08:30-10:00) Installation of PS tendon (02pcs) Location: PH64-12, 63-11, II-2 LEFT Ch.:0+148.35-0+215.05 07:30-12:40) Grouting

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [19/34]

		Drilling for PS tendon up to 6m is in progress Ch.:0+189.75-0+196.65 22:15-23:40) Installation of PS tendons (05 pcs) Ch:0+110.0- 0+90.0 Drilling for rebar cutting Drilling machine breakdown II-2 Left Ch. 0+146.05 - Grouting of PS Tendon Packer 3, Ch. 0+130-0+110 20:30-) Drilling for PS tendon up to 14m is in progress.	II-2 RIGHT Ch. 0+001-0+0+020 20:00-00:20) Installation of bearing plates & Tensioning for 07m TRB (09pcs) R90-4) Ch. 00+141-0+145 Drilling for PS tendon up to 14m is in progress Ch.:0+208.15-196.65 22:40-22:25) Installation of PS tendons (04 pcs) Locations: (PH86-12, PH87-12, PH88-12, PH90-12) Ch:0+075-0+090 21:30-) Drilling for rebar cutting CH:0+150-0+170 20:50-) Making of scaffolding platform for cement storage II-2 Left Ch. 0+225-0+196 21:30-) Grouting of PS Tendon Packer Location: PH87-2,3,4, PH88-4,3,2, PH89,3,2,3, PH90-3,2,4, PH91-3,4,2, PH92-4,3,2,PH93-3, 2, PH94-2,4,3, PH95-3,2,4, PH97-3,2, PH96-4 Ch.:0+115-0+127 20:45-) Grouting for PS Tendon Location: PH52-2(191.9kg), PH53-2(260.7kg), PH54-2(136.9kg) Ch.:0+070-0+090 21:00-) Installation of support bar for PS Tendon) Installation of bearing plates Ch. 0+ 132.25 07:40-) Grouting of PS Tendons (01 PCs) Location: P58-2(219.4kg), Note: Grouting stopped due to grouting machine are breakdown. Night II-2 RIGHT Ch. 0+10.35-0+17.25 & 0+0+187.45-0+196. Installation of bearing plates & Tensioning for 07m TRB (6pcs) Ch.:0+040-050 Installation of Supporting bars PS tendon Ch:0+040-0+060 21:30-) Drilling for rebar cutting CH:0+150-0+170 20:50-) Making of scaffolding platform for cement storage Ch.:0+152-95-0+155.25 00:30-01:30) Grouting for PS Tendon (2pcs) Location: PH68-2, (276.6kg) PH67-2 (262.3kg) Ch. 0+187.45 - 0+194.35 21:30-00:30) Grouting of PS Tendon packer (13pcs) Drilling for PS Tendon	II-2 LEFT Ch.:0+220 - 241 10:00-15:00) Drilling for PS Tendon up to 13.5m. Ch. 0+200.0-0+110.0 07:40-11:45) PS Tendons Packing with mortar. Night II-2 RIGHT Ch. 0+ 20:00-) Installation of bearing plates & Tensioning for 07m TRB (10pcs) Location:- (-R78-4, (-R81-4, (-R81-3, (-R82-4, (-R83-4, (-R84-4, (-R85-4, (-R86-5) (-R77-4, (-R79-4,) Rejected due to rotated during tensioning test Ch.: 0+230-0+215 21:30-) Drilling for rebar cutting Ch. 0+146.05- 21:00-) Water pressure test for PS tendon up to 6m (9 holes tested) Location: PH64-11, 12, PH63-11, 12, 13, PH64-13, PH62-11, 12, 13. Ch. 0+90-0+70 20:00-) Drilling for PS tendon 6m II-2 LEFT Ch:0+231.15-0+238.05 20:00-23:40) Installation of PS tendon (5pcs) Location: PH101-2, PH102-2, PH102-3, PH103-2, PH104-2 Ch. 0+116.15- 00:30-) Grouting for PS Tendon (6pcs) Location: PH54-3 (295.5kg) PH53-3 (257.6kg) PH51-4, (247.4kg) PH52-4 (350.3kg), PH53-4 (250.0kg) PH55-4 (162.5kg).	61-2 (229.3kg), 61-3(184.5kg), 62-3(271.8kg), 60-3(22.4kg). Night II-2 RIGHT Ch. 0+113.58-0+118.45 21:00-) Water pressure test for PS tendon up to 6m (7 holes tested) Location: PH51-11, 13, 12 PH52-11, 12, PH50-11, 12. Ch. 0+140-0+160 20:00-) Drilling for PS tendon 13.5m is in progress. II-2 LEFT Ch. 0+60-0+45 20:00-) Installation of bearing plates of TRB's Ch. 0+136.85-0+141.45 00:30-) Grouting for PS Tendon (5pcs) Location: PH59-4(397.2kg), PH60-4(624.4kg), PH61-4(234.6kg) PH62-4 (315.4kg) PH63-2 (286.kg) Ch. 0+130-0+115.0 20:00-) Drilling for PS tendon 13.5m is in progress II-2 LEFT Ch. 0+41.4-0+37.95 20:00-01:00) Installation of bearing plates and tensioning of TRB's (4pcs) Location: (-R64-4, (-R65-4, (-R66-4, (-R67-4. Ch. 0+148.35-0+150.65 00:30-) Grouting for PS Tendon (4pcs) Location: PH65-2 (176.0kg) PH65-3 (376.6kg) PH66-3 (188.1kg) PH66-4 (407.7	for PS Tendon (07pcs) Location: P66-3(229.5kg), P66-2(274.5kg) ,P94-2(360.8kg),P94-3(409.6kg),P92-2(285.6kg) P65-4(945.4kg),P93-2(435.6) Night II-2 RIGHT Ch. 0+139.15-0+146.05 23:00-00:50) Installation of PS tendon (5pcs) Location PH61-13, PH62-12, 13. PH63-13, PH64-13 Ch. 0+178-0+165 210:00-) Drilling for rebar cutting Ch. 0+0+95.45-0+90.85 21:00-) Water pressure test for PS tendon up to 6m (6 holes tested) Location: PH42-12, 13, PH40-12, PH41-12, 13 PH38-12, Ch. 0+130-0+115.0 20:00-) Drilling for PS tendon 13.5m is in progress II-2 LEFT Ch. 0+41.4-0+37.95 20:00-01:00) Installation of bearing plates and tensioning of TRB's (4pcs) Location: (-R64-4, (-R65-4, (-R66-4, (-R67-4. Ch. 0+148.35-0+150.65 00:30-) Grouting for PS Tendon (4pcs) Location: PH65-2 (176.0kg) PH65-3 (376.6kg) PH66-3 (188.1kg) PH66-4 (407.7
PH I-2 Left Crown	Day No Activity Night No Activity	Day No Activity Night no Activity	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
PH I-3 Right Crown	Day No Activity Night No Activity	Day No Activity Night no Activity	Day No Activity Night No Activity.	Day No Activity Night No Activity.	Day No Activity Night no Activity	Day No Activity Night No Activity.	Day No Activity Night No Activity
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 2	Day PAT 2 Plug Area Ch.:0+225.0-0+250.0 07:00-15:00) Installation of steel arches & drilling for support bars Note: 1) Contractor did not remove the loose shotcrete properly. Also steel arches being installed on the exposed rock surface. 2) Ventilation Problem Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 20:00-) Welding and Rectification of steel arches alignments Note: 1) Contractor did not remove the loose shotcrete properly. Also steel arches being installed on the exposed rock surface. 2) Ventilation Problem	Day PAT 2 Plug Area Ch.:0+225.0-0+250.0 No Activity due to drilling machine breakdown Note: 1) Contractor did not remove the loose shotcrete properly. Also steel arches being installed on the exposed rock surface. 2) Ventilation Problem Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 20:00-) Drilling for rock bolts Note: 1) Contractor did not remove the loose shotcrete properly. Also steel arches being installed on the exposed rock surface. 2) Ventilation Problem	Day PAT 2 Plug Area Ch.:0+225.0-0+250.0 07:20-15:00) Drilling of supporting bars for steel arching Note: 1) Contractor did not remove the loose shotcrete properly. Also steel arches being installed on the exposed rock surface. 2) Ventilation Problem Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 20:00-) Drilling for rock bolts Note: 1) Contractor did not remove the loose shotcrete properly. Also steel arches being installed on the exposed rock surface. 2) Ventilation Problem	Day PAT 2 Plug Area Ch.:0+225.0-0+250.0 07:20-15:00) Drilling of supporting bars for steel arching Note: Non-functional dewatering at the working site Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 20:00-) Drilling of supporting bars for steel arches	Day PAT 2 Plug Area Ch.:0+225.0-0+250.0 7:30-12:00) Arrangements of grouting for supporting bars Note: Grouting is not started due to grouting machine are breakdown. Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 22:00-) Arrangements for grouting of rock dowels	Day PAT 2 Plug Area Ch.:0+225.0-0+250.0 No Activity due grouting machine are breakdown. Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 20:00-23:00) Grouting of rock dowels (17PCs) 23:00-) Grouting was stopped due to breakdown of machine.	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 08:01-) Grouting of rock dowels (37PCs) (supporting for steel arches) Used cement=400kg Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 21:00-00:45) Grouting of supporting bars for steel arches (17 PCs) 00:45-) Grouting machine breakdown
Penstock Admit Tunnel towards Lower pressure	Day No activity because of limitation of sources Night	Day No Activity due to limited resource Night'	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [20/34]

Tunnel No 1-manifold area	No activity because contractor is mostly focusing on MW 01	No Activity because contractor is focusing on MW 01 work	Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.
STB from Powerhouse Connection Tunnel	Day No Activity due to ventilation Issue	Day No Activity due to ventilation issue Night No activity due to ventilation issue	Day F. Ch.:0+129.0(Approx.) No Activity due to nonfunctional ventilation Night F.Ch:0+128.5~Ch.:0+115.0~0+125.0 No Activity due to Ventilation issue	Day F. Ch.:0+129.0(Approx.) No Activity due to nonfunctional ventilation Night F.Ch:0+128.5~Ch.:0+115.0~0+125.0 No Activity due to Ventilation issue	Day F. Ch.:0+129.0(Approx.) No Activity due to nonfunctional ventilation Night F.Ch:0+128.5~Ch.:0+115.0~0+125.0 No Activity due to Ventilation issue	Day F. Ch.:0+129.0(Approx.) No Activity due to nonfunctional ventilation Night F.Ch:0+128.5~Ch.:0+115.0~0+125.0 No Activity due to Ventilation issue	Day F. Ch.:0+129.0(Approx.) No Activity due to nonfunctional ventilation Night F.Ch:0+128.5~Ch.:0+115.0~0+125.0 No Activity due to Ventilation issue
Surge Chamber Vault Access Tunnel (VAT)+ Vault Gallery	Day Ch.:0+390~0+400(Junction) 9:45~15:00) Installation of supporting bars for ventilation fan Ch.:0+460~0+480 9:30~ 15:00) Installation of service pipe Night Junction of VAT-01 & VAT-02 Ch:370.0~0+410.0 00:20~1:05) 1st layer of 2nd pass shotcrete (Qty=8m³) Poor ventilation in VAT	Day Ch.:0+460~0+480 08:12~09:15) Installation & Welding of supporting bar for service pipe No more activity due to electricity problem after 09:15 Night Ch:80.0~00:00~) Invert leveling by excavator Poor ventilation in VAT.	Day Ch.:0+390 - 410 07:30 - 15:00) welding works for installation of ventilation fan Ch.: 0+470 - 490 07:40 -0+15:00) installation of service pipes Night Ch:80.0~21:00~) Drilling for weep holes Poor ventilation in VAT	Day Ch.:0+390 - 410 07:30 -) welding works for installation of ventilation fan Ch.:0+300~0+320(L eft side) 7:00~ Drilling for weep holes Night Ch.:0+390 - 410 07:30 -) Drilling rock dowel for installation of ventilation fan Poor ventilation in VAT	Day Ch.:0+390 -0+410 07:38~10:00) Grouting of supporting dowel for ventilation fan 10:15~15:00) Installation of formwork for concrete to embed service pipes. Ch.:0+485 (Junction) 10:30~12:00) Installation of electric cables Right Gallery 07:00~13:00) Assembling of steel channel platform. Night Ch.:0+310.0 - 345.0 21:00 -) Drilling rock weep holes Poor ventilation in VAT	Day Ch.:0+300 -0+400 08:00~12:00) drilling for thickness test holes. Right Gallery 07:00~13:00) Assembling of steel channel platform. Night Ch.:0+315.0 - 330 20:00 -) Drilling rock weep holes Poor ventilation in VAT	Day No Activity due to Ventilation issue Right Gallery 7:00~15:00) Assembling of steel channel platform. Night Ch.:0+315.0 - 0+330 No activity Poor ventilation in VAT
INTAKE AREA	Day EI:▼0+979~0+971 06:30~13:00) Excavation & mucking Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day EI:▼0+979~0+971 06:30~13:00) Excavation & mucking Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day EI:▼0+979~0+971 No activity due to rain. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day EI:▼0+979~0+971 09:30~) Excavation & mucking. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day EI:▼0+979~0+971 09:00~11:30) Excavation & mucking. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day EI:▼0+979~0+971 07:00~13:00) Excavation & mucking. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day EI:▼0+979~0+971 06:30~13:00) Excavation & mucking. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH
Switchyard Compound	Day Day work order Center portion 06:30~13:00) Removing of Debris material Left side portion 06:30~13:00) Removing of Debris material EI▼960.0(5th layer center right portion) 07:00~13:00) Installation of form work for pet concrete of drainage nullah EI▼950~955.0(4th layer center left to center right portion) 06:30~13:30) Installation of wire mesh > Unsafe working conditions 06:30~) Excavation of drainage of layer with jack hammer EI▼940.0~943.0(3rd layer right portion) 06:30~) Drilling & installation of anchor bars waiting for shotcrete EI▼920.0~925.0(1st layer center right portion) 07:00~13:00) Excavation & mucking	Day Day work order Center portion 06:30~13:00) Removing of Debris material Left side portion 06:30~13:00) Removing of Debris material Night EI▼960.0(5th layer center right portion) 07:00~13:00) Survey & Installation of form work for pet concrete of drainage nullah EI▼950~955.0(4th layer center left to center right portion) 06:30~13:30) Installation of wire mesh EI▼920.0~925.0(1st layer center right portion) 07:00~13:00) Excavation & mucking.	Day Day work order Left side portion 06:30~12:00) Removing of Debris material EI▼960.0(5th layer center right portion) 07:00~11:00) Cleaning for pet concrete of drainage nullah EI▼950~955.0(4th layer center left to center right portion) 06:30~11:30) Installation of wire mesh > Unsafe working conditions EI▼950~948.0(4th layer center left to center right portion) 07:00~10:00) Invert Excavation Day EI▼940.0~943.0(3rd layer right portion) No Activity due to rain EI▼920.0~924 (1st layer right portion) No Activity due to rain	Day Day work order Left side portion 06:30~12:00) Removing of Debris material EI▼960.0(5th layer center right portion) 07:00~11:00) Form work for pet concrete of drainage nullah EI▼950~955.0(4th layer center left to center right portion) 06:30~11:30) Installation of wire mesh > Unsafe working conditions EI▼950~946.0(4th layer left to center left portion) 07:00~) Drilling for blast. Night EI▼940.0~943.0(3rd layer right portion) No activity EI▼920.0 20:00~) Excavation and Mucking	Day Day Day work order Left side portion 06:30~13:30) Removing of Debris material. Night EI▼940.0~943.0(3rd layer right portion) No activity due to rain EI▼920.0 20:00~) Excavation and Mucking	Day EI▼960.0(5th layer center right portion) 07:30~) Invert excavation & breaking of under breaks for drainage nullah EI▼950~941.0(3rd layer left portion) 07:00~) Drilling for blast EI▼940.0~935.0(2nd layer right portion) 06:00~07:00) excavation of 2nd layer. Night EI▼940.0~943.0(3rd layer right portion) No activity due to rain EI▼920.0 20:00~) Excavation and Mucking	Day Day work order Left side portion 06:30~13:30) Removing of Debris material. EI▼950.0~955.0(4th layer center right portion) 07:30~) 2nd layer shotcrete (PS Qty=12.0m³) EI▼950~941.0(3rd layer left to center left portion) 07:00~) Drilling for blast EI▼940.0~938.0(2nd layer right portion) 06:00~) Excavation & leveling of slope Night EI▼940.0~943.0(3rd layer right portion) No activity EI▼940.0~938.0(2nd layer right portion) 20:00~) Excavation & leveling of slope EI▼920.0 20:00~) Excavation and Mucking
Provision of Security Measure	No Activity	No Activity No Activity	Day No Activity Night No Activity.	CR-09 Bridge RAR side 07:00~) Block masonry for security	Day Day work order Left side portion	Day No Activity Night No Activity.	Day CR-09 Bridge RAR side 06:00~12:30) Block

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [21/34]

				staff room Sentry Tower CT-02 07:00-) Block masonry for sentry tower (Security provision)	06:30-13:30) Removing of Debris material.		masonry for security staff room Sentry Tower CT-02 (Photograph G-H) 06:00-8:00) Installation of formwork & reinforcement of roof slab 10:30-11:15) Concrete for roof slab sentry tower (G) Qty=0.5m ³ 11:15-) Bed Concrete for sentry tower (H) Qty=2m ³
LU-1	No Activity	Day No Activity Night No Activity.	Day No Activity Night No Activity.	Day No Activity Night No Activity.	Day Ch.:0+152.0-0+130.0 10:25-) 2nd layer shotcrete (PS Qty=12.0m ³)	Day No Activity Night No Activity.	Ch.:0+152.0-0+130.0
Date/ Day Location	8 Saturday	9 Sunday	10 Monday	11 Tuesday	12 Wednesday	13 Thursday	14 Friday
Tailrace Tunnels 1 CT2	Day F.Ch:1+540.50 (U/S) 06:00-08:45) Mucking & scaling 08:30-09:00) Mapping (Qv=4.5m ³) 10:25-11:15) 1st layer shotcrete (PS Qty=6.0m ³) F.Ch:1+619.00 (D/S) Ch.:1+615.0-1+618.50 06:00-10:30) Installation of wire mesh 11:15-12:00) 2nd layer shotcrete (PS Qty=8.0m ³) Night F.Ch:1+619 (D/S) 20:30-) Drilling for blast	Day F.Ch:1+540.50 ~1+544.5 (U/S) 6:00-9:30) Installation of 1st layer wire mesh F.Ch:1+619.00 (D/S) Ch.:1+618.50-1+1621 10:15-10:45)1st layer shotcrete (Ps Qty=6m ³) Night F.Ch:1+540.50 (U/S) No activity F.Ch:1+621.0 (D/S) Ch.:1+618.50-1+1620.50 20:30-00:30) Installation of wire mesh	Day F.Ch:1+540.50 (U/S) Ch.:1+540.5-1+544.5 10:30-11:30) 2nd layer shotcrete (PS Qty=7m ³) F.Ch:1+621.5 (D/S) Ch.:1+618.5-1+621.5 11:30-12:30) 2nd layer shotcrete (Ps Qty=7m ³) Night F.Ch:1+540.50 (U/S) No Activity due to unavailability of explosive F.Ch:1+621.0 (D/S) No Activity due to unavailability of explosive	Day F.Ch:1+540.50 (U/S) Ch.:1+543.5 9:30-11:00) Drilling for rock dowels 11:00 - 11:45) Arrangements for Grouting of rock dowels Note: Grouting not started due to frequent tripping of electric power up to 15:00pm 14:45-16:30) Grouting of rock dowels 10pcs (L/W=1st missing F.Ch:1+621.5 (D/S) Ch.:1+618.0 11:30-12:05) Survey for rock dowels 12:10-14:00) Drilling for rock dowels 16:30-17:45) Grouting of rock dowels 7pcs (L/W=1st,6th,8th missing Night F.Ch:1+540.50 (U/S) 20:30-01:00) Drilling for blast > No further activities due to unavailability of explosive F.Ch:1+621.0 (D/S) No Activity due to unavailability of explosive	Day F.Ch:1+540.50 (U/S) Ch.: 1+544.5 - 540.5 12:50 - 13:20) 2nd pass of 2nd layer Shotcrete Qty = 4m ³ F.Ch:1+621.5 (D/S) Ch.: 1+618 - 621.5 13:20 - 14:00) 2nd pass of 2nd layer Shotcrete Qty = 4m ³ Night F.Ch:1+540.50 (U/S) No Activity due to unavailability of explosive F.Ch:1+621.0 (D/S) 20:30-01:00) Drilling for blast > No further activities due to unavailability of explosive	Day F.Ch:1+540.50 (U/S) Ch.:1+566 - 1+545 13:00 - 16:00) Drilling for missing rock dowels F.Ch:1+621.5 (D/S) ch.:1+594.0-1+612.0 16:00-18:00) Drilling for missing rock dowels No Activity due to unavailability of explosive F.Ch:1+540.50 (U/S) Ch.:1+566-1+545.0 20:30-01:00)Grouting for missing rock dowels No further advancements due to unavailability of explosive. night F.Ch:1+621.0 (D/S) Ch.:1+594.0-1+612.0 01:00-)Grouting for missing rock dowels No further advancements due to unavailability of explosive.	Day F.Ch:1+540.50 (U/S) No Activity due to unavailability of explosive F.Ch:1+621.5 (D/S) No Activity due to unavailability of explosive Night F.Ch:1+540.50 (U/S) No Activity due to unavailability of explosive F.Ch:1+621.0 (D/S) No Activity due to unavailability of explosive
Tailrace Tunnels 2 CT2	Day F.Ch:1+612.00(U/S) No activity due to lack of resources F.Ch:1+671.50(D/S) 07:30-) Repairing & welding works of platform No activity due to lack of resources. Night F.Ch :1+618.50 ~ 1+612 (U/S) No Activity Due to lack of resources	Day F.Ch:1+612.00-1+618(U/S) 8:00-9:15) 2nd layer shotcrete (PS Qty= 12m ³) 9:50-10:30) Survey for blast F.Ch:1+671.50-1+668 (D/S) 10:10-10:35) 2nd layer shotcrete (Ps Qty=6m ³) Night F.Ch :1+612.0(U/S) 20:45-01:00) Drilling for blast > Blast not carried out due to unavailability of explosive F.Ch:1+671.50 (D/S) No Activity Due to lack of resources.	Day F.Ch:1+612.00(U/S) 6:00-12:00) Repairing of platform F.Ch:1+671.50-1+668 (D/S) No activity due to limited resources. Night F.Ch :1+612.0(U/S) No Activity due to unavailability of explosive F.Ch:1+671.50 (D/S) 20:45-01:00) Drilling for blast > No further activities due to unavailability of explosive	Day F.Ch:1+612.00(U/S) Junction area 6:00-13:00) Repairing of platform F.Ch:1+671.50-1+668 (D/S) No Activity due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Ch.:... 1+614.0-21:30-22:50) Grouting for rock dowels (10PCS, R/W=11th missing) > No further activities due to unavailability of explosive F.Ch:1+670.50 (D/S) Ch.:...1+669.0-20:00-21:30) Grouting for rock dowels (10PCS, R/W=2nd missing) No further activities due to unavailability of explosive	Day F.Ch:1+612.00(U/S) Junction area 6:00-13:00) Repairing of platform F.Ch:1+671.50-1+668 (D/S) No Activity due to unavailability of explosive. Night F.Ch :1+612.0(U/S) > No activities due to unavailability of explosive F.Ch:1+670.50 (D/S) > No activities due to unavailability of explosive	Day F.Ch:1+612.00(U/S) No Activity due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) No Activity due to unavailability of explosive Night F.Ch:1+612.0(U/S) 20:30-00:20) Drilling for missing rock dowels > No further advancements due to unavailability of explosive. F.Ch:1+670.50 (D/S) Ch.:... 1+654.0-1+669.0 00:20-) Drilling for missing rock dowels > No further advancements due to unavailability of explosive.	Day F.Ch:1+612.00(U/S) Ch.:1+639-1+620 7:00-10:00) Grouting for missing rock dowels Qty=32pcs and 2pcs rejected due to plates do not contact with shotcrete surface F.Ch:1+671.50-1+668 (D/S) No Activity due to unavailability of explosive Night F.Ch:1+612.0(U/S) No Activity due to unavailability of explosive F.Ch:1+670.50 (D/S) > No further advancements due to unavailability of explosive.
ADFT	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
Tailrace Tunnels 1 CT 1	Day Ch.:0+6.45-0+13 08:30-) Fixing of wire mesh Night	Day Ch.:0+6.45-0+13 07:00-12:00) Fixing of wire mesh Night	Day Ch.:0+04.5-0+015.50 07:00-12:00) Fixing of wire mesh 4pcs Night	Day Ch.:0+04.5-0+015.50 13:30 - 14:30) rectification of wire mesh 14:30 -)	Day Ch.:0+04.5-0+015.50 09:00-) Drilling for rock dowels From 05:45-09:00) Drilling for rock dowels	Day Ch.:0+04.5-0+015.50 08:31-11:45) Installation of rock dowels (25pcs) Length=6 m NOTE: During drilling and installation of rock dowels	Day Ch.:0+04.5-0+015.50 08:15-11:35) Installation & packing of rock dowels (06pcs)Length=6 m Night

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [22/34]

	Ch.: 0+6.4-0+15 21:00-) Fixing of wire mesh.	Ch.:0+6.4-0+15.0 20:30-) Fixing of wire mesh.	Ch.:0+6.4-0+15.0 No activity due to limited resources	arrangements for 2nd layer Shotcrete Night Ch.:0+6.4-0+15.0 21:00-) Drilling for rock dowels	stop due to Z219 drilling machine break down. Night Ch.:0+6.4-0+15.0 20:30-) Drilling for rock dowels	the installed wire mesh has been damaged. Loose rocks are also seen entrapped behind the wire mesh. Issue notified to the contractor for proper scaling and rectification. Night Ch.:0+6.4-0+15.0 20:30-) Installation of rock dowels	Ch.:0+4.5-0+15.0 23:20- 02:00) Grouting for rock dowels (08pcs) Grouting for rock dowels without rectification of wire mesh, proper scaling & shotcrete. Issue is notified to QC staff.
Tailrace Tunnels 2 CT 1	Day Ch.:0+4.5-0+15.511:30-12:30 Survey for Rock dowels14:00-15:00) Drilling for Rock dowels Night Ch.:0+4.5 -0+15.5 20:30-) Drilling for Rock dowels	Day Ch.:0+4.5-0+15.5 07:00-) Drilling for Rock dowels Night Ch.:0+4.5 -0+15.5 20:30-) Drilling for Rock dowels	Day Ch.:0+4.5-0+15.5 NO ACTIVITY Night Ch.:0+4.5 -0+15.5 21:00-1:00) Fixing of wire mesh.	Day Ch.:0+4.5 -0+15.5 08:07-11:35) Fixing of wire mesh 02pcs. Night Ch.:0+4.5 -0+15.5 20:30-00:00) Fixing of wire mesh (04pcs)	Day Ch.:0+4.5 -0+15.5 08:07-11:35) Fixing of wire mesh Qty=04pcs Night Ch.:0+4.5 -0+15.5 20:30-01:00) Fixing of wire mesh.	Day Ch.:0+04.5 -0+015.5 08:13-11:39) Fixing of wire mesh Qty=04pcs Nigh Ch.:0+4.5 -0+15.5 20:30-) Installation of rock dowels	Day Ch.:0+04.5 -0+015.5 08:17-11:47) Installation & packing of rock dowels (07pcs) Length=6 m Night Ch.:0+04.5 -0+015.5 21:30- 00:30) Installation & packing of rock dowels (11pcs)
TC I 1	Day F.Ch:0+241.0 Ch. 0+110.3 (I-3) 09:00-10:30) Shifting of platform for extensometer drilling Night F.Ch:0+241.0 I1, I2, I3 Left side Ch:0+80-0+60 21:00-) Invert excavation and mucking Ch. 0+45 (I-3) 21:00-) Drilling for extensometer	Day F.Ch:0+241.0 Ch. 0+110.3 (I-3) 07:00-) Drilling of extensometer Note: Contractor is notified to keep the drilling angle as per required design Night F.Ch:0+241.0	Day F.Ch:0+241.0 Ch. 0+110.3 (I-3) 07:00-13:15) Drilling of extensometer Night F.Ch:0+241.0 Ch. 0+110.3 (I-3) 07:00-13:15) Drilling of extensometer	Day No Activity Night F.Ch:0+241.0 No activity due to limited resources	Day No Activity Night F.Ch:0+241.0 No activity due to limited resources	Day No activity Night F.Ch:0+241.0 No activity due to limited resources	Day F.Ch:0+241.0 Night Ch:0+170.5 Whole Section (I-1,2,3, II-2(1,2)) 00:00-00:30 Survey for weep holes 00:40-) Drilling for weep holes
TC II-2(1)+TCII-2(2) (Left and Right)	Day No Activity Night No activity	Day No Activity Night F.Ch:0+241.0- (D/S) Ch.:0+045.5 20:00-) Drilling for Extensometer	Day No Activity	Day II-2 Left side Ch.:0+5.5-0+155.5. NIGHT II-2 Right Side No activity due to limited resources	Day No Activity due to limited resources	Day No Activity Nigh F.Ch:0+241.0 No activity due to limited resources	Day No Activity Night II-2 Right Side No activity due to limited resources
TC Left crown I-2	Day No Activity Night F.Ch:0+241.0- (D/S) Ch.:0+045.5 20:00-) Drilling for Extensometer	Day F.Ch:0+241.0- (D/S) Night F.Ch:0+241.0- (D/S) Ch.:0+045.5 20:00-) Drilling for Extensometer	Day No activity Night F.Ch:0+241.0- (D/S) Ch.:0+045.5 20:00-) Drilling for Extensometer	Day Ch.: 0+110 07:30 - 13:30) drilling for extensometer Night F.Ch:0+241.0- (D/S) Ch.:0+0110.0 20:00-) Drilling for Extensometer	Day Ch.: 0+110 07:30-13:30) drilling for extensometer Note: Dry drilling causing ventilation problem. Night F.Ch:0+241.0- (D/S) Ch.:0+0110.0 21:00-) drilling for extensometer Note: Dry drilling causing ventilation problem.	Day Ch.: 0+110.5 07:00-13:00) Dismantling of scaffolding platform and shifting to Ch.: 170. Night F.Ch:0+241.0- (D/S) Ch.:0+0110.0 Note: Dry drilling causing ventilation problem.	Day F.Ch:0+241.0- (D/S) Ch.:0+0110.0 Note: Dry drilling causing ventilation problem. Night F.Ch:0+241.0- (D/S) Ch.:0+0110.0 Note: Dry drilling causing ventilation problem.
TC Right crown I-3	Day No Activity Night No activity	Day Ch:0+45 09:50-) Assembling and installation of extensometer. Night F.Ch: 0+241.0 (D/S) Ch.:0+110.0 20:30- 02:00) Drilling for extensometer Note: Drilling stop due to drilling machine breakdown from 21:30-23:50	Day No Activity Night F.Ch: 0+241.0 (D/S) No activity due to limited resources	Day No Activity Night F.Ch: 0+241.0 (D/S) No activity due to limited resources	Day No Activity Night F.Ch: 0+241.0 (D/S) No activity due to limited resources	Day No Activity Nigh F.Ch: 0+241.0 (D/S) Ch.: 170 20:30-) Scaffolding platform shifting & arrangements for drilling of extensometer.	Day F.Ch: 0+241.0 Ch.:0+170.5-07:55-) Drilling for extensometer Night F.Ch: 0+241.0 (D/S) Ch.:0+170 20:40-) Drilling for extensometer
Powerhouse Exhaust Tunnel			Day 07:45 - 13:30) manual invert excavation and mucking Night 22:00-) Manual invert excavation and mucking	Day 07:45-09:00) manual invert excavation and mucking 09:00 - 09:30) Survey for invert excavation 09:30 - 13:00) manual invert excavation and mucking Night 22:00-) Manual invert excavation and mucking	DAY 07:45-) manual invert excavation and mucking night 20:30-) manual invert excavation and mucking 22:20-) Invert excavation with jack hammer.	Day 08:00 - 13:00) invert excavation and mucking Night 21:00-) Manually invert excavation and mucking.	Day 08:00-13:00) invert excavation and mucking Night 20:45-) Manually invert mucking.
- PH I 1 Center crown	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+200-0+180 09:45-13:00) drilling for rebar cutting for PS tendons. Frequent breakdowns observed Ch:0+216.0 07:00-15:00) Drilling for PS tendons on Scaffolding platform up to 6m.Frequent breakdowns observed	Day 07:45 - 12:00) invert excavation and levelling Night No Activity due to resources limitation	Day F.Ch:0+241.0 I1, I2, I3 Ch.: 0+210.0 Ch.:0+224.0 07:00-14:00) Drilling for PS tendons on Scaffolding platform up to 1m. Frequent break down of one drilling machine Night F Ch.:0+241 I1, I2, I3	Day F.Ch:0+241.0 I1, I2, I3 Ch.: 0+210.0 Ch.:0+224.0 07:10-) Drilling for PS tendons on Scaffolding platform up to 6m Night F Ch.:0+241 I1, I2, I3 Ch.:0+210.0 Ch.:0+224.0 20:30-) Drilling for	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+224.0; 0+210 07:10-) Drilling for PS tendons on Scaffolding platform up to 6m NIGHT F Ch.:0+241 I1, I2, I3 Ch.:0+224.0; 20:30-) Drilling for PS tendons on Scaffolding	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+210.0 - 230 07:10-08:30) Drilling for PS tendons on Scaffolding platform up to 6m. Machines break down after 08:30 Night F Ch.:0+241 I1, I2, I3 Ch.:0+220.0 ch.:0+213.0 20:30-) Drilling for PS	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+212.75 Ch.:0+219.65 07:10-11:00) Drilling for PS tendons on Scaffolding platform up to 6m. break down Nigh. ft. Ch.:0+241 I1, I2, I3 Ch.:0+220.0 ch.:0+213.0 20:35-) Drilling for PS

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [23/34]

	Night F Ch.:0+241 Ch. 0+209-0+225 20:30-) Drilling for PS tendon up to 6m			PS tendons on Scaffolding platform up to 6m	platform up to 6m Ch.:0+180.0-0+185.0 20:30-) Drilling for PS Tendon	tendons on Scaffolding platform up to 6m Ch.:0+198.0-21:20-) Drilling for PS Tendon	tendons on Scaffolding platform up to 6m Ch.:0+162-0+155 20:50-) Drilling for PS Tendon
PH II 1	Day F Ch.:0+241 II-2 Left Ch.: 0+221-0+200 07:30-14:00) Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No activity due to limited resources	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+175-07:00-11:00) Drilling for rebar cutting for PS tendons. Ch:0+209-07:00-) Drilling for PS tendons on Scaffolding platform up to 6m Nigh tF Ch.:0+241 I1, I2, I3 Ch.:0+200.0-21:00-23:00) Arrangements of Drilling for rebar cutting for PS tendons. 23:00-02:00) Drilling for rebar cutting for PS tendons. Ch:0+215.0-21:30-23:00) Arrangements Drilling for PS tendons on Scaffolding platform up to 6m 23:30- 02:00) Drilling for PS tendons on Scaffolding platform up to 6m.	Day F Ch.:0+241 II-2 Left Ch.: 0+221-0+200 07:30-14:00) Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No activity due to limited resources	Day F Ch.:0+241 II-2 Left Ch.: 0+221-0+200 07:30-14:00) Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No activity due to limited resources	No Activity	Day F Ch.:0+241 II-2 Left Ch.: 0+221-0+200 07:30-14:00) Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241	Day F Ch.:0+241 II-2 Left Ch.: 0+221-0+200 07:30-14:00) Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 II-2 Left Ch.: 0+221-0+200 07:30-14:00) Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm.
PH I 2 Lift Crown	No Activity	Day F Ch.:0+241 II-2 Left Ch.: 0+221-0+200 07:30-14:00) Drilling for PS tendons up to 6m Note: Drilling jambool are breakdown after 14:00 pm. Night F Ch.:0+241 No activity due to limited resources	No Activity	No Activity	No Activity	Day	Day
PH II-2(1)+Ph. II-2(2) (Left and Right)	Day II-2 RIGHT Ch. 0+90.85-100.05 07:30-12:15) Installation of bearing plates & Tensioning for 07m TRB (08 pcs) Location:- (-L21-3, -L19-3, -L18-2, -L17-3, -L16-2, -L15-3, -L14-2, -L13-3) Ch:0+170.2-164.45 06:20-11:45) water pressure test (15 Pcs) Location: PH78-12(1.2),13(3.8) 77-12(3.0),13(3.9) 36-12(2.7) 35-12(4.0) 34-12(3.3)13(2.1) 33-12(4.6)13(3.8) 37-12(4.1) 38-13(1.7), 37-13(1.8) 36-13(3.2) 35-13(0.0) Ch.:0+120.0-0+110 06:30-14:00) Drilling for PS Tendon up to 13.5m. II-2 LEFT Ch.:0+166.75-0+157.55 07:00-13:30) Grouting for PS tendon (8 pcs) Location: PH69-2(322.1kg), ph72-2(299.1kg), ph70-2(188.9kg), ph73-2(229.0kg), ph71-2(245.5kg), 69-3(241.6 Kg), Ph72-3(249.5kg) Night II-2 RIGHT Ch. 0+165-0+150 21:00-) Drilling for rebar cutting Ch. 0+112-0+108 20:30-) Drilling for PS Tendon 13.5m is in progress. II-2 LEFT Ch.: 0+150-0+178 21:00-) Grouting for PS Tendon Location: PH77-2(257.6kg), PH76-2(295.7kg),	Day II-2 RIGHT Ch.:0+115-100 06:30-) Drilling for cleaning holes for PS Tendon Ch:0+132.25 - 136.85 07:00-10:00) Installation of PS tendons (05 PCS) Locations: PH60-12,13 59-12,13 58-13 II-2 LEFT Ch.:0+ 07:00-) Grouting for PS tendon (16 pcs) Location: PH91-2(328.5KG), 90-2(534.9KG)91-2(430.1KG), 71-3(219.0KG), 69-4(360.1KG), 70-4(291.4KG), 71-4(422.1KG), 72-4 (376.6kg), 75-3 (208.9kg), 74-3 (391.8kg), 89-2 (156.5kg), 93-3 (125.1kg), 92-4 (239.5kg), 74-2 (469.1kg), 90-3 (240.5kg), 92-3 (267.5kg) NIGHT II-2 RIGHT Ch.:0+075-0+060 20:30- 02:00) Fixing of bearing plate Ch.:0+150.65-0+173.65 21:20-02:00) WPT for PS tendons (10PCS) Location: PH66-11, 12, 13, PH67-13,12,11, PH76-10, 11, 12,13 Ch. 0+95.0-0+105.0 20:30-02:00) Drilling for PS Tendon 13.5m II-2 LEFT Ch:0+150-0+192.0 21:00-02:00) Grouting for PS Tendon (06pcs) Location: PH73-3(355.30kg), PH83-2(311.51kg), PH82-2(382.8kg), PH75-4(295.9kg), PH73-4(208.8kg), PH84-2(909.4kg)	Day II-2 RIGHT Ch.:0+100.5-80 07:10-) Drilling for PS tendon up to 14m Ch.: 0+113.85-129.95 07:20-) Installation of PS tendons (05 PCS) Locations: Ph. 50-13, Ph. 51-13, ph52-13, ph. 53-13 57-12 Ch.:0+185-205 09:05-) Drilling for PS tendon up to 6m Ch.: 111.15 - 189.75 06:50-) Water pressure test for PS tendon up to (14 pcs) Location: ph65-12(2.4), ph68-11(2.9), ph61-11(4.3), 55-13(2.1), 65-13(3.0), 49-13(2.4), 69-11(1.2), 65-11(3.9), ph72-12(11.2) , 83-13 (1.2), 80-13 (3.3), 80-12 (0.5), 79-11 (0.0), 77-11 (0.0), 80-11 (2.0) II-2 LEFT Ch.: 203.55 -208.15 08:39-) Grouting for PS tendon (03pcs) Location: 91-4 (584kg), 90-4 (269.1kg), 89-3 (307kg) Ch.:0+097.0-06:50-) Installation of bearing plates & tensioning for 07m TRBs. Location: -L34-2 () only 01 pc done. Both hydraulic torque quenchers were not working properly hence further tension stopped. Night II-2 RIGHT Ch.:0+134.0-0+146.0 21:00-00:00) Installation of PS tendons (05PCS) Location: PH59-11, PH61-11, PH62-11, PH63-12, PH64-11	Day II-2 RIGHT CH: 0+113.0-0+120.0 8:00-11:00) Installation of supporting bars for PS tendon Ch.:0+180.0-0+200 08:11-) Drilling for PS tendon up to 6m Ch:0+120.75-0+146.05 07:00-10:10) Packer grouting for PS tendon (22 pcs) Location: ph53-13(11kg),ph54-13(10.8),ph55-13(9.9kg),ph56-12(14.1kg),ph64-13(9.5kg),ph63-13(10.2kg),ph62-13(11.3kg),ph62-12(9.9kg),ph62-11(11.2kg),ph63-11(10.5kg),ph64-12(12.7kg),ph63-12(13.6kg),ph61-11(9.6kg),ph59-11(10.8kg),ph60-12(11.1kg),ph59-12(11.1kg),ph58-13(9.7kg),ph59-13(10.9kg),ph61-13(10.5kg),ph60-13(11.0kg) Ch.: 0+120 - 145 11:00 - 13:30) packing of PS tendons Ch.: 0+090 - 70 10:00 - 14:00) Drilling for rebar cutting for PS tendons II-2 LEFT Ch.: 0+182.85 - 185.15 09:20-) Grouting for PS tendon (03 pc) Location: 80-2 (308.3kg), 81-2 (229kg), 79-3 (301.7kg) note: grouting for PS tendon 79-2 was washed due to	Day II-2 RIGHT Ch.:0+180.55-0+200 07:11-) Drilling for PS tendon up to 6m Note: CONTRACTOR NOTIFIED ABOUT THE INACCURATE DRILLING ANGLE. Ch:0+113.85-0+146.05 07:00-12:00) Grouting for PS tendon (08pcs) Location: p51-13(303.1kg), p57-12(357.6kg), p64-12(264.6kg), p53-13(245.4kg), p52-13(244.5kg), , 59-12 (254.4kg), 63-12 (374.5kg), 78-3(206.7kg) Ch.: 0+065.0-0+050.0 07:45-14:30) Drilling for rebar cutting for PS tendons. frequent break down of drilling jumbo II-2 LEFT Ch.: 0+178.25-0+185.15 08:09-) Grouting for PS tendon (08pc) Location: 81-3 (241.1kg), 79-2 (238.6kg), 78-3 (206.7kg), 82-3 (249.8kg), 83-3 (211kg), 85-2 (335.2kg), 86-3 (284.3kg), 86-2 (287.3kg) Ch.:0+07.0-0+050.0 06:45-) Installation of bearing plates for TRBs. Note: No Tensioning due to unavailability of hydraulic torque wrenches Note: PS Tendons # 82-4, 88-4 packer came outside. QC Staff told day shift that these tendons were hit by the platform during its movement. Night II-2 RIGHT Ch.:0+141.45-22:00-) Grouting for PS Tendon (1Pcs)	Day II-2 RIGHT Ch.:0+187.45-0+200 07:11-) Drilling for PS tendon up to 6m Ch.:0+110.0-0+070.0 06:50-11:00) Installation of bearing plates of 7m TRBs Note: No Tensioning due to unavailability of hydraulic torque wrenches Ch.:0+051.75-0+030.0 10:00-12:00) Drilling for rebar cutting for PS tendons. Machine break down after 12:00 II-2 LEFT Ch:0+192.05 - 235.75 09:41-01:30) Grouting for PS tendon (06 pc) Location: 85-3 (429.8kg), 84-4 (289.5), 86-4 (333.5kg), 94-4 (315.9kg), 103-2 (298.8kg), 102-3 (318.6kg), 78-3(206.7kg) NOTE: PS tendon 87-2 grout started by contractor but it was washed due to excessive leakages. Ch.: 226.55 - 238.05 10:45-13:45) Packer grouting for PS tendon (09 pcs) Location: 104-2, 102-2, 100-3, 101-2, 101-3, 100-2, 99-2, 103-3, 104-3 Night II-2 RIGHT Ch.:0+231.0-0+238.0 22:00-) Grouting for PS Tendon (005pcs) Location: PH102-2(221.2kg), PH104-2(351.3kg), PH101-2(336.50kg), PH100-2(322.0kg), PH101-3(322.30kg) Ch.:0+081-0+086 21:00-) Drilling for PS Tendon Ch.:0+046-21:00-) Drilling for cutting of rebar	Day II-2 RIGHT Ch.:0+182.85-0+170.0 07:11-) Drilling for PS tendon up to 6m Ch.:0+040.15-0+020.0 07:45-11:00) Drilling for rebar cutting for PS tendon. Ch.:0+074.75-0+060.0 09:17-) Drilling for tendons up to 6m II-2 LEFT Ch.:0+115.0-0+070.0 06:50-11:00) Installation of support bars for PS tendons Note: No Tensioning due to unavailability of hydraulic torque wrenches Ch:0+ 07:00-13:00) Grouting for PS tendon (10pc) Location: ph57-4 (306.2kg), 56-4 (272.2kg), 54-4 (317.8kg), 99-2 (284.8kg), 100-3 (165.4kg), 64-4 (315.9kg), 63-4 (268kg), 64-2 (292.5kg), 68-4 (279.9kg), 88-2 (372.8kg) Night II-2 RIGHT Ch.:0+189.75-0+201.25 21:30- 02:00) Grouting for PS tendon (09pcs) Location: P84-12(282.8kg), P8712(202.6kg), P90-12(167.6kg), P83-12(555.8kg), P88-12(222.5kg), P86-10(169kg), P86-12(226.3kg), P84-11(211.8kg), P83-11(184.7kg), Ch.:0+075-0+070 21:00-) Drilling for PS Tendon

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [24/34]

	PH78-2(344.3kg), PH67-4(542), PH68-3(229.3), PH76-3(251.1), PH77-3(214.8) Ch.:0+000-0+035 20:30-) Fixing of bearing plate and tensioning of TRB's Location: -L97-2, -L95-2, -L93-2, -L96-1, -L92-1		Ch.:0+80-0+90.0 20:30-) Drilling for PS tendons. II-2 LEFT Ch.:0+15.0-0+040.0 21:00-00:30) Installation of bearing plates (18PCS) Note: No grouting for PS tendons due to grouting labors on strike.	continuous leakage from packer. Ch.:0+097.0-0+07.0 06:50-11:00) Installation of bearing plates for TRBs. Note: No Tensioning due to unavailability of hydraulic torque wrenches Night II-2 RIGHT Ch.:0+71.0 21:10-) Drilling for cutting of rebar's Ch.:0+136.0-0+150.0 21:50-02:00) Grouting for PS tendon in progress (05pcs) Location: PH60-13(446.4KG), PH61-13(395.5KG), PH62-13(259.7KG),	Location: PH92-12(507.4kg), P64-11 (255.40kg) Tendon fell down during grouting Ch.:0+210.0-21:00-) WPT for PS Tendon (05pcs) Location: PH-92-13, PH93-13, PH94-12, PH94-13, PH95-13 Ch.:0+055-0+065 20:40-) Drilling for cutting of rebar's II-2 LEFT Ch.:0+000-0+040.0 20:30-01:00) Fixing of bearing plates of TRB's Ch.:0+217.0-21:30-) Grouting for PS Tendon (03Pcs) Location: PH95-2(281.8KG), PH97-2(369.9KG), PH97-3(473.8KG)	0+025-0+015 20:30-22:50) Fixing of Bearing Plates of TRBs II-2 LEFT Ch.:0+230-0+238 20:40-) Packing of PS Tendon Ch.:0+025.0-0+065.0 23:10-01:00) Fixing of Bearing Plates of TRBs Ch.:0+134.50-0+157.55 ~ 22:30-) Grouting for PS Tendon (04PCS) Location: PH62-11(347.4kg), PH64-13(377.3kg), PH59-11(267.10kg), PH63-3(274.10kg)	Ch.:0+037-0+025 23:00-) Drilling for cutting of rebar's II-2 LEFT Ch.:0+050-0+065 22:00-) Fixing of bearing plates of TRB's Ch.:0+160.0-0+190.0 22:00-23:20) Fixing of previous installed PS Tendon Note: No Tensioning due to unavailability of hydraulic torque wrenches.
PH I 3 Right Crown	Day No Activity Night No Activity	Day No Activity Night No Activity	Day No Activity Night No Activity	Day	Day F.Ch:0+241.0- Approx. Night F.Ch:0+241.0(D/S) Ch:0+110.0	Day	Day F.Ch:0+241.0- Approx. Night F.Ch:0+241.0(D/S) Ch:0+110.0
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 2	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 08:20-09:05) Grouting of rock dowels (04PCs) (supporting for steel arches) Used cement=100Kg No more Grouting due to breakdown of grouting machine Night PAT 2 Plug Area Ch.:0+225.0-0+250.0 21:00-23:00) Grouting of Rock dowels (10 PCs) Breakdown of grouting Machine	DAY PAT 2 Plug Area Ch.:0+234.0-0+250.0 07:30-09:05) Grouting of rock dowels (06PCs) (supporting for steel arches) Used cement=100Kg No more Grouting due to unavailability of dowels at site NIHGT PAT 2 Plug Area Ch.:0+225.0-0+250.0 20:30-02:00) Welding of rock dowels with steel arches for supporting Grouting for rock dowels not started due to Breakdown of grouting Machine.	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 07:00 - 14:00) Welding works of anchor bars with steel arches Grouting for rock dowels not started due to Breakdown of grouting Machine. Night PAT 2 Plug Area Ch.:0+234.0-0+250.0 23:30-) Drilling for Anchor bars	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 No activity Grouting for rock dowels not started due to Breakdown of grouting Machine. Night PAT 2 Plug Area Ch.:0+234.0-0+250.0 Drilling for rock dowels is stopped due break down of jumbo	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 No activity Grouting for rock dowels not started due to Breakdown of grouting Machine. Night PAT 2 Plug Area Ch.:0+234.0-0+250.0 22:40-) Drilling for anchor bars	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 08:50-) Drilling for rock dowels for steel arches supporting Note: The rebar mesh installed by the contractor on the left side is not properly contact with the shotcrete surface. Night PAT 2 Plug Area Ch.:0+234.0-0+250.0 21:00-) Drilling for rock dowels for steel arches supporting.	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 09:31-10:57) Grouting for anchor bars for steel arches supporting (07pcs) Used cement=150kg Note: From 10:57 grouting stop due to grouting machine break down. Note: The rebar mesh installed by the contractor on the left side is not properly contact with the shotcrete surface. Night PAT 2 Plug Area Ch.:0+234.0-0+250.0 22:00-00:00) Grouting of rock dowels (13pcs) Grouting machine breakdown
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 1	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	DAY PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. NIGHT PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.
STB from powerhouse connection tunnel	Day F. Ch.:0+129.0(Approx.) No Activity due to nonfunctional ventilation Night F.Ch:0+128.5- Ch.:0+100.0-0+125.0 21:00-) Drilling for weep holes	Day F. Ch.:0+129.0(Approx.) No Activity due to nonfunctional ventilation Night F.Ch:0+128.5- Ch.:0+85.0-0+125.0 21:00- 02:00) Drilling for weep holes	Day F. Ch.:0+129.0(Approx.) Ch.:0+080.0-0+040.0 06:55-12:00) Drilling for weep holes Note: ventilation duct is nonfunctional. Nigh F.Ch:0+128.5- Ch.:0+115.0-0+125.0 21:00-02:00) Drilling for weep holes Note: ventilation duct is nonfunctional.	Day F. Ch.:0+129.0(Approx.) Ch.:0+040.0-0+20.0 07:15-) Drilling for thickness test holes Note: ventilation duct is nonfunctional. Night F.Ch:0+128.5- Ch.:0+115.0-0+125.0 Note: ventilation duct is nonfunctional.	Day F. Ch.:0+129.0(Approx.) Ch.:0+20.0-0+000 06:50-) Drilling for thickness test holes Note: ventilation duct is nonfunctional. Night F.Ch:0+128.5- Ch.:0+00-0+12.0 21:00-) Drilling for weep holes Note: ventilation duct is nonfunctional.	Day F. Ch.:0+129.0(Approx.) No activity Note: ventilation duct is nonfunctional. Night F.Ch:0+128.5- Ch.:0+00-0+12.0	Day F. Ch.:0+129.0(Approx.) No activity Note: ventilation duct is nonfunctional. Night F.Ch:0+128.5- Ch.:0+00-0+12.0
Surge Chamber Vault Access Tunnel (VAT)+ Vault Gallery	Day Ch.:0+485-0+450.0 09:10-14:00) Remedial shotcrete SF Qty=19m³ Night Ch.:0+460-0+425.0 21:00-02:00) Remedial shotcrete SF Qty=16m³	Day RIGHT GALEERY 7:00-) Assembling of steel channel platform. Note: Welding works causing pollution problem due to unavailability of functional ventilation night Ch.:0+460-0+425.0 01:45-) Remedial shotcrete (PS Qty=8m³)	Day RIGHT GALLERY 7:00-) Assembling of steel channel platform. Ch.:0+460.0-0+360 09:17- 13:30) Shotcrete on side walls Qty= 19.8 m³ SF Note: Non-Functional Ventilation Night	Day RIGHT GALLERY 7:00-) Assembling of steel channel platform. Ch.:0+320.0-10:37-12:40) Shotcrete on side walls Qty=14.4m³ SF Note: Non-Functional Ventilation Night	Day RIGHT GALLERY 7:00-) Assembling of steel channel platform. Note: Non-Functional Ventilation Night Ch.:0+150-0+280 20:50-23:40) Shotcrete	Day RIGHT GALLERY 7:00-) Assembling of steel channel platform. Note: Non-Functional Ventilation Nigh t	Day RIGHT GALLERY 7:00-) Assembling of steel channel platform. Note: Non-Functional Ventilation Night Ch.:0+330-0+300 23:30-02:10)

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [25/34]

			Ch.:0+370.0-0+320.0 22:20-12:50) Remedial shotcrete (SF Qty=16.0m³) Note: Non-Functional Ventilation	Ch.:0+000-0+150.0 22:00-23:50) Shotcrete thickness test carried out Note: Non- Functional Ventilation	thickness test 0+240 onward shotcrete is not enough on crown Note: Non-Functional Ventilation	Ch.:0+150-0+280 Note: Non-Functional Ventilation	Remedial shotcrete SF (Qty=10.8m³) Note: Non-Functional Ventilation
Intake area	Day El: ▼0+979-0+971 06:30-13:00) Excavation & mucking. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day El: ▼0+979-0+971 06:30-13:00) Excavation & mucking. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material from CR5-2 to going down on KKH	Day El: ▼0+979-0+971 06:40-13:00) Excavation & mucking. Note: Excavator (2E04) are breakdown after 10:00 am Note: Contractor has made a temporary safety	Day El: ▼0+979-0+971 07:00-13:00) Excavation & mucking. Note: Contractor has made a temporary safety wall of big boulders to restrict the falling material	Day El: ▼0+979-0+971 07:00-13:00) Excavation, mucking and breaking of boulder by jack hammer.	Day El: ▼0+979-0+971 07:15-13:00) Excavation and mucking	Day El: ▼0+979-0+971 07:15-13:00) Excavation and mucking Day work order Left side portion 06:00-13:30) Removal of Debris material.
Switchyar d Compound s	Day Day work order Left side portion 06:30-13:30) Removing of Debris material. El▼9560.0-958.0(5th layer center right portion) 06:00-08:00) Excavation of drainage nullah 08:00-) Breaking of under breaks of pet area of drainage nullah El▼950-947.0(3rd layer left portion) 08:50-11:00) 11st layer shotcrete (PS Qty=11.0m³) El▼950.0-948.0(2nd layer right portion) 08:30-) Excavation & mucking Night El▼940.0-943.0(3rd layer right portion No activity El▼940.0-938.0(2nd layer right portion) 20:00-) Excavation & leveling of slope El▼920.0 20:00-) Excavation and Mucking	Day Day work order Left side portion 06:30-13:30) Removing of Debris material. El▼9560.0-952.0(5th layer center portion) 08:00-13:00) Cleaning ,pouring of lean concrete and arrangements reinforcement of drainage nullah El▼950-947.0(3rd layer left portion) 6:00-13:00) Installation of wire mesh El▼950-940.0 (3rd layer center left portion) 6:00-13:00) Drilling for blast El▼945.0-940.0(3rd layer right portion) 08:30-) Excavation & mucking. Night El▼940.0-943.0(3rd layer right portion No activity El▼940.0-938.0(2nd layer right portion) 20:30-) Excavation & mucking	Day Day work order Left side portion 06:00-13:30) Removing of Debris material. El▼9560.0-952.0(5th layer center portion) 06:30-12:00) Arrangements reinforcement for drainage nullah El▼950-947.0(3rd layer left portion) 6:00-13:00) Installation of PVC pipe for weep holes and anchors bars El▼950-940.0 (3rd layer center left portion) 6:00-13:00) Drilling for blast El▼945.0-940.0(3rd layer left portion) 06-13:00) Excavation & mucking. Night El▼946.0-943.0(3rd layer right portion 20:30-03:00) Excavation & mucking El▼940.0-938.0(2nd layer right portion)	Day Day work order Left side portion 06:00-13:30) Removing of Debris material. El▼9560.0-952.0(5th layer center portion) 06:00-13:00) Fixing of reinforcement and form working for drainage nullah El▼950-947.0(3rd layer left portion) 6:00-8:00) Installation of wire mesh El▼950-940.0 (3rd layer center left portion) 6:00-8:00) Drilling for blast 6:30-11:00) Drilling of holes for thickness test El▼945.0-940.0(3rd layer left portion) 06-13:00) Excavation & mucking Night El▼950- (4th layer left portion) 23:00-02:00) 1st layer shotcrete (PS Qty=08.0m³) El▼940.0-938.0(2nd layer right portion)	Day Day work order Left side portion 06:00-13:00) Removal of Debris material. El▼9560.0-952.0(5th layer center portion) 06:00-13:00) Fixing of reinforcement and form working for drainage nullah El▼950-947.0(3rd layer left portion) 6:00-8:00) Installation of wire mesh El▼950-940.0 (3rd layer center left portion) 10:15-13:00) Charging for blast Expo=650kg 13:20) Blast is carried out Night El▼950-947.0(3rd layer left portion) 22:20-) 2nd layer shotcrete (PS Qty=12m³) El▼940.0-938.0(2nd layer right portion)	Day Day work order Left side portion 06:00-13:30) Removal of Debris material. El▼9560.0-952.0(5th layer center portion) 06:00-13:00) Fixing of reinforcement and form working for drainage nullah El▼950-947.0(3rd layer left portion) 7:30-9:30) Curing El▼950-940.0 (3rd layer center left portion) Night El▼950-947.0(3rd layer left portion) El▼940.0-938.0(2nd layer right portion)	Day El▼9560.0-952.0(5th layer center portion) 06:00-13:00) Fixing of reinforcement and form working for drainage nullah El▼950-947.0(3rd layer left portion) 08:00-10:00) Curing El▼950-940.0 (3rd layer center left portion) 07:15) Drilling for blast. Night El▼950-947.0(3rd layer left portion) 20:30-) Excavation & mucking El▼940.0-938.0(2nd layer right portion)
Provision of Security Measure	Day CR-09 Bridge RAR side 06:00-12:30) Block masonry for security staff room Sentry Tower CT-02 (Photograph G) 06:00-13:00) Block masonry for sentry tower	Day CR-09 Bridge RAR side 6:00-11:45) Installation of scaffolding pipe Sentry Tower CT-02 06:00-13:00) Block masonry for sentry tower 1 & 2.	Day CR-09 Bridge RAR side 6:00-12:30) block masonry and pouring of concrete for precast lintel beam (concrete Qty=1m³) Sentry Tower CT-02 06:00-15:00) Block masonry for sentry tower 1 & 2. Note: Out of six labors, three labors working up to 13:00 pm and another's three labors working up to 15:00pm.	Day CR-09 Bridge RAR side 6:00-12:00) block masonry for fc room Sentry Tower CT-02 06:00-15:00) Concrete pouring for slab 1m³, Removing of formwork and Block masonry for sentry tower 1 & 2. Note: Out of eight laborers, five labors working up to 13:00 pm and another's three labors working up to 15:00pm.	Day CR-09 Bridge RAR side 6:00-12:00) block masonry for fc room Sentry Tower CT-02 06:00-13:00) Block masonry for sentry tower 1	Day CR-09 Bridge RAR side 6:00-11:30) block masonry and curing for FC room Sentry Tower CT-02 06:00-12:00) Block masonry for sentry tower 1 6:00-12:00) Cleaning ,form working and pouring of lean concrete for sentry tower 2.	Day CR-09 Bridge RAR side 6:00-12:00) internal Plastering Sentry Tower CT-02 06:00-12:00) Block masonry for sentry tower 1
Day work	No Activity	Day KKH day work 6:00-11:00) removing the debris material and manually cleaning of drainage	Day Shushi camp area 8:00-13:00) repairing and welding of sewerage pipe.	Day (Sewerage pipe from the kosha access road area) 6:00-12:00) Repairing, welding and installation of sewerage pipe Note: labors were doing unsafe working at site.	Day Shushi camp area 6:00-10:00) Clearing of access way for construction of sentry tower	Day Shushi camp area 6:00-13:30) Cleaning ,form working and pouring of lean concrete for foundation of sentry tower	Day Shushi camp area no work
Date/Day Location	15 Saturday	16 Sunday	17 Monday	18 Tuesday	19 Monday	20 Tuesday	21 Thursday
Tailrace Tunnels 1 CT2	Day F.Ch:1+540.50 (U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+621.5 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive. Night F.Ch:1+540.50 (U/S) Work closed by the contractor from today in CT-	Day F.Ch:1+540.50 (U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+621.5 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+540.50 (U/S) Work closed by the contractor from today in CT-	Day F.Ch:1+540.50 (U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+621.5 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night	Day F.Ch:1+540.50 (U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+621.5 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night	Day F.Ch:1+540.50 (U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+621.5 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night	Day F.Ch:1+540.50 (U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+540.50 (U/S) Work closed by the contractor from 15-04-	Day F.Ch:1+540.50 (U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+621.5 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [26/34]

	F.Ch:1+540.50 (U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+621.0 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive.	2 due to unavailability of explosive F.Ch:1+621.0 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive.	F.Ch:1+540.50 (U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+621.0 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive.	F.Ch:1+540.50 (U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+621.0 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive.	F.Ch:1+540.50 (U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+621.0 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive.	2023 in CT-2 due to unavailability of explosive F.Ch:1+621.0 (D/S) Work closed by the contractor from 15-04-2023 in CT-2 due to unavailability of explosive.	F.Ch:1+540.50 (U/S) Work closed by the contractor from 15-04-2023 in CT-2 due to unavailability of explosive F.Ch:1+621.0 (D/S) Work closed by the contractor from 15-04-2023 in CT-2 due to unavailability of explosive.
Tailrace Tunnels 2 CT2	Day F.Ch:1+612.00(U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+670.50 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive	Day F.Ch:1+612.00(U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+670.50 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive	Day F.Ch:1+612.00(U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+670.50 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive	Day F.Ch:1+612.00(U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+670.50 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive	Day F.Ch:1+612.00(U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive F.Ch:1+670.50 (D/S) Work closed by the contractor from today in CT-2 due to unavailability of explosive	Day F.Ch:1+612.00(U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Work closed by the contractor from 15-04-2023 in CT-2 due to unavailability of explosive F.Ch:1+670.50 (D/S) Work closed by the contractor from 15-04-2023 in CT-2 due to unavailability of explosive.	Day F.Ch:1+612.00(U/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive F.Ch:1+671.50-1+668 (D/S) Work closed by the contractor from 15/4/2023 in CT-2 due to unavailability of explosive. Night F.Ch:1+612.0(U/S) Work closed by the contractor from 15-04-2023 in CT-2 due to unavailability of explosive F.Ch:1+670.50 (D/S) Work closed by the contractor from 15-04-2023 in CT-2 due to unavailability of explosive.
Tailrace Tunnels 1 CT 1	Day Ch.:0+04.5-0+015.50 (Transition Area)07:42-13:10) Grouting for rock dowels 13pcsUsed cement=300Kg Night Ch.:0+4.5-0+15.0 21:30-01:10) Grouting for rock dowels (Grouted=11pcs)	Day Ch.:0+04.5-0+015.50 (Transition Area)No Activity due to shift change Night Ch.:0+4.5-0+15.0 21:30-01:10) Grouting for rock dowels (Grouted=11pcs)	Day Ch.:0+04.5-0+015.50 (Transition Area) Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+4.5-0+15.0 Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+04.5-0+015.50 (Transition Area) Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+4.5-0+15.0 Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+04.5-0+015.50 (Transition Area) Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+4.5-0+15.0 Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+04.5-0+015.50 (Transition Area) Ch.:0+0.5-0+015.5 7:30-13:00 Installation of Rock dowels face plates Night Ch.:0+4.0-0+14.0 21:30-02:00) Installation of Rock dowels plates	Day Ch.:0+04.5-0+015.50 (Transition Area) Ch.: 0+04.0-0+015.5 6:00-11:30 Rectification of wire mesh & installation of Dowels Face plates. Night Ch.:0+04.5-0+015.50 (Transition Area) No activity
Tailrace Tunnels 2 CT 1	Day Ch.:0+04.5-0+015.5 07:10-11:15) Rectification of wire mesh and packing of rock dowels. Night Ch.:0+04.5-0+015.5 01:10-) Arrangements for grouting of rock dowels	Day Ch.:0+04.5-0+015.5 (Transition Area) 06:30-15:00) Grouting for rock dowels (16+7 pcs) Night Ch.:0+04.5-0+015.5 01:10-) Arrangements for grouting of rock dowels	Day Ch.:0+04.5-0+015.5 (Transition Area) Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+04.5-0+015.5 Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+04.5-0+015.5 (Transition Area) Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+04.5-0+015.5 Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+04.5-0+015.5 (Transition Area) Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+04.5-0+015.5 Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+04.5-0+015.5 (Transition Area) NO Activity due to resources limitation. Night Ch.:0+04.0-0+015.5 22:30-02:00) Rectification of wire mesh	Day Ch.:0+04.5-0+015.5 (Transition Area) Ch.:0+04.5-0+015.5 6:00-10:50 Grouting for rock dowels (Qty=9pcs Grouted) Night Ch.:0+04.0-0+015.5 No activity due to unavailability of water
TC I 1	Day No activity Night Ch.:0+170.5 No activity due to limited resources	Day Ch.:0+170.5 07:00-) Drilling for extensometer Night Ch.:0+170.5 No activity due to limited resources	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 No activity due to water shortage	Day Ch.:0+170.5 NO Activity due to resources limitation. Night Ch.:0+170.5 No activity CGGC site staff didn't came to site due to roadblock at char nullah	Day Ch.:0+170.5 No Activity Due to No availability of water on site. Night Ch.:0+170.5 No activity due to unavailability of water CGGC site staff didn't came to site due to roadblock at char nullah
TC II-2(1) +TCII-2(2) (Left and Right)	Day II-2 Right Side No activity due to limited resources	Day II-2 Right Side No activity due to limited resources	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to	Day II-2 Right Side Pak laborers are on strike due to Chinese labor offensive statement.	Day II-2 Right Side No activity due to water shortage	Day II-2 Right NO Activity due to resources limitation. Night II-2 Left side NO Activity due to resources limitation.	Day Ch.: 0+110 No Activity Due to No availability of water on site. Night F.Ch:0+241.0- (D/S) No activity due to unavailability of water
TC Left crown I-2	Day F.Ch:0+241.0- (D/S) Ch.:0+170.50 22:1:00-00:50)Arrange ments of drilling for extensometer 01:00-) Drilling for extensometer Note: Dry drilling	Day No Activity	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are	Day No Activity	Day No Activity	Day Ch.: 0+110 NO Activity due to resources limitation. Night F.Ch:0+241.0- (D/S) CGGC site staff didn't came to site due to roadblock at char nullah	Day No Activity

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [27/34]

	causing ventilation problem. Night F.Ch: 0+241.0 Ch.:0+170.5-07:55-) Drilling for extensometer		on strike due to Chinese labor used offensive words to religion.			Note: Dry drilling causing ventilation problem	
TC Right crown I-3	Day F.Ch: 0+241.0 Ch.:0+170.5-07:55-) Drilling for extensometer Night F.Ch: 0+241.0 (D/S)	Day F.Ch: 0+241.0 Ch.:0+170.5-07:55-) Drilling for extensometer Night F.Ch: 0+241.0 (D/S) Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day F.Ch: 0+241.0 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night F.Ch: 0+241.0 (D/S) Pak laborers are on strike due to Chinese labor offensive statement.	Day F.Ch: 0+241.0 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night F.Ch: 0+241.0 (D/S) Pak laborers are on strike due to Chinese labor offensive statement.	Day F.Ch: 0+241.0 NO Activity due to resources limitation. Night F.Ch: 0+241.0 (D/S) Pak laborers are on strike due to Chinese labor offensive statement.	Day F.Ch: 0+241.0 No Activity Due to No availability of water on site. Night F.Ch: 0+241.0 (D/S) No activity due to unavailability of water Pak laborers are on strike due to Chinese labor offensive statement.
Powerhouse Exhaust Tunnel	Day 08:00-13:00) invert excavation and mucking Night 23:30-) Invert excavation with jack hammer	Day 08:00-12:00) invert excavation with jack hammer Night Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Pakistani laborers are on strike due to Chinese labor used offensive statement.	Day Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night No activity	Day NO Activity due to resources limitation. Night CGGC site staff didn't came to site due to roadblock at char nullah	Day 6:00-11:30 Invert cleaning & leveling Night No activity
- PH I 1 Center crown	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+208.15; Ch.:0+219.65 07:10-) Drilling for PS tendons on Scaffolding platform up to 6m. Ch.:0+130.0-0+150.0 06:50-11:35) Invert cleaning of slush Ch.: 0+130 - 185 10:00 - 13:00) Survey markings for PS tendons Night F Ch.:0+241 I1, I2, I3 Ch.:0+208.15; Ch.:0+219.65 20:30-) Drilling for PS tendons on Scaffolding platform up to 6m.	Day F.Ch:0+241.0 I1, I2, I3 Ch.:0+208.15; Ch.:0+219.65 07:10-) Drilling for PS tendons on Scaffolding platform up to 6m. Ch.:0+130.0-0+150.0 06:50-11:35) Invert cleaning of slush Ch.: 0+130 - 185 10:00 - 13:00) Survey markings for PS tendons Night F Ch.:0+241 I1, I2, I3 Pak laborers are on strike due to Chinese labor offensive statement.	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day F.Ch:0+241.0 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night F Ch.:0+241 Pak laborers are on strike due to Chinese labor offensive statement.	Day F.Ch:0+241.0 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night F Ch.:0+241 No activity Water shortage due to damage at char nullah	Day F.Ch:0+241.0 NO Activity due to resources limitation. Night F Ch.:0+241 No activity CGGC site staff didn't came to site due to roadblock at char nullah	Day F Ch.:0+241 No activity due to unavailability of water CGGC site staff didn't came to site due to roadblock at char nullah Night F Ch.:0+241 No activity due to unavailability of water CGGC site staff didn't came to site due to roadblock at char nullah
PH II 1	Day No Activity	Day No Activity	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day No Activity	Day No Activity	Day F Ch.:0+241 II-2 Left Night F Ch.:0+241 No activity CGGC site staff didn't came to site due to roadblock at char nullah	Day F Ch.:0+241 No activity CGGC site staff didn't came to site due to roadblock at char nullah
PH II 2 Lift Crown	Day No Activity	Day No Activity	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day No Activity	Day No Activity	Day No Activity	Day No Activity
PH II-2(1)+Ph. II-2(2) (Left and Right)	Day II-2 RIGHT Ch.:0+030.0-0+020.0 07:10-) Drilling of rebar cutting for PS tendon up to 1m Ch.: 0+73.0-0+065.0 07:25-) Drilling for PS tendon up to 6m Ch.:0+095.45-0+118.45 08:10-11:09) Installation of PS tendon (05pcs) Location: p52-12, p42-13, p43-13, p44-13,	Day II-2 RIGHT Ch:0+126.0-07:30-) Drilling for PS tendon up to 13.5 Ch:0+095.45-0+118.45 07:30-10:00) Packer grouting for PS tendons (10 Packer Grouted) Locations:- (P42-13, P43-13,P44-13,P45-13,P47-13,P48-13,P49-13,P49-12,P51-12,P52-12) II-2 LEFT Ch:0+105.0-0	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day II-2 RIGHT Pakistani laborers are on strike due to Chinese labor used offensive words to religion. II-2 LEFT Pakistani laborers are on strike due to Chinese labor used offensive words to religion. II-2 LEFT Pakistani laborers are on strike due to	Day II-2 RIGHT Ch.:0+30.0-0+40.0 07:45-11:30) Installation of bearing plates. II-2 LEFT Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night II-2 RIGHT Ch.:0+90.85-0+101.65 22:30-01:30)	Day II-2 RIGHT Ch:30.0-0+40.0 7:45-11:30) Installation of bearing plate for TRBs, Night II-2 RIGHT No activity CGGC site staff didn't came to site due to roadblock at char nullah	Day II-2 RIGHT Ch:0+00.0-0+040.0 6:00-11:30) Installation of bearing plate for TRBs, II-2 LEFT Ch:0+50.0-0+60.0 6:00-11:30) Installation of bearing plate for TRBs, Night II-2 RIGHT Ch.:0+104.65-0+106.95

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [28/34]

	<p>p45-13 Ch:0+ 187.45 - 201.25 08:50-) Pressure grouting for PS tendon (4pcs) Location: p87-3(339.6kg), p85-4(316.7kg), 87-2 (240kg), 87-4 (335kg) Note: 88-4, 82-4 washed due to leakage during grouting II-2 LEFT Ch.:0+173.65 - 187.45 06:50-) Water pressure test for PS tendon (15pcs) Location: 82-12(2.7), 82-11(2.8), 78-10(3.9), 78-11(3.6), 81-11(1.9), 78-9(2.8),81-9(1.9), 77-9(0.8), 80-9(3.80), 85-9(2.0), 76-9(2.5), 79-9(4.0), 82-9(1.6), 81-12 (2.5), 81-13 (3.0) Night II-2 RIGHT Ch.: 0+060-0+050 20:50-) Drilling for PS tendon Ch.:0+025-0+010 23:00-00:10) Drilling for cutting of rebar's Drilling stop due to drilling machine breakdown at 00:10 Ch.:0+106.95-0+116.15 21:00-23:30) Installation of PS Tendon Location: PH47-13, PH48-13, PH49-13, PH49-12, PH51-12, and Ch.:0+180.55-0+187.45 21:00-01:30) WPT for PS tendons (11pcs) Location: P79-10(3.4), P80-08(3.9), P79-8(3.70), P80-9(3.7), P82-5(2.8), P82-06(3.80), P82-07(4.0), P81-5(2.90), P80-5(2.30), P79-06(2.70), P80-06(2.50) II-2 LEFT Ch.:0+185.15-0+201.25 21:40- 01:25) Grouting for PS Tendon (04pcs) Location: P64-5(175.10kg), P82-4(400.4kg), P81-4(160.8kg), P88-4(166.0kg) Ch.:0+045.0-0+065.0 22:00-) Fixing of Bearing plate of TRB's Note: No Tensioning due to unavailability of hydraulic torque wrenches.</p>	<p>07:00-) Drilling for PS tendons 13.5m Night II-2 RIGHT Pak laborers are on strike due to Chinese labor offensive statement. 20:50-) Drilling for PS tendon Ch.:0+025-0+010 23:00-00:10) Drilling for cutting of rebar's Drilling stop due to drilling machine breakdown at 00:10 Ch.:0+106.95-0+116.15 21:00-23:30) Installation of PS Tendon Location: PH47-13, PH48-13, PH49-13, PH49-12, PH51-12, and Ch.:0+180.55-0+187.45 21:00-01:30) WPT for PS tendons (11pcs) Location: P79-10(3.4), P80-08(3.9), P79-8(3.70), P80-9(3.7), P82-5(2.8), P82-06(3.80), P82-07(4.0), P81-5(2.90), P80-5(2.30), P79-06(2.70), P80-06(2.50)</p>		<p>Chinese labor used offensive words to religion. Night II-2 RIGHT Pak laborers are on strike due to Chinese labor offensive statement. 20:50-) Drilling for PS tendon Ch.:0+025-0+010 23:00-00:10) Drilling for cutting of rebar's Drilling stop due to drilling machine breakdown at 00:10 Ch.:0+106.95-0+116.15 21:00-23:30) Installation of PS Tendon Location: PH47-13, PH48-13, PH49-13, PH49-12, PH51-12, and Ch.:0+180.55-0+187.45 21:00-01:30) WPT for PS tendons (11pcs) Location: P79-10(3.4), P80-08(3.9), P79-8(3.70), P80-9(3.7), P82-5(2.8), P82-06(3.80), P82-07(4.0), P81-5(2.90), P80-5(2.30), P79-06(2.70), P80-06(2.50)</p>	<p>Installation of PS tendons Location: PH40-12, PH41-13, PH43-12, PH45-12, PH46-13 II-2 LEFT No activity Water shortage due to water supply line damage at char nullah.</p>	<p>21:00-00:00) Installation of PS tendons Location: PH46-12, PH4712 No further activities due to unavailability of water II-2 LEFT Ch.:0+54.50-0+185.45 21:00-00:00) Survey for PS tendons No further activities due to unavailability of water.</p>	
PH I 3 Right Crown	Day	Day No Activity	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day No Activity	Day No Activity	Day II-2 RIGHT No activity CGGC site staff didn't came to site due to roadblock at char nullah	Day No Activity Night F.Ch:0+241.0- Approx. No activity CGGC site staff didn't came to site due to roadblock at char nullah
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 2	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 07:45-9:10) Grouting for anchor bars for steel arches supporting (6pcs). Grout machine breakdown at 09:10 Used cement=200KG Note: The rebar mesh	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 9:30-13:00) Grouting for anchor bars for steel arches supporting (9 pcs) Note:-After13:00 Grouting machine breakdown. Note: The rebar mesh installed by the contractor on the left side is not properly	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used	Day PAT 2 Plug Area Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night PAT 2 Plug Area Pak laborers are on strike due to	Day PAT 2 Plug Area Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night PAT 2 Plug Area ch.:0+234.0-0+242.0 21:00-02:00)	Day No Activity due to source limitation Night II-2 RIGHT No activity CGGC site staff didn't came to site due to roadblock at char nullah	Day F.Ch:0+241.0- Approx. NO Activity due to resources limitation. Night F.Ch:0+241.0(D/S) No activity CGGC site staff didn't came to site due to

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [29/34]

	installed by the contractor on the left side is not properly contact with the shotcrete surface. Night PAT 2 Plug Area Ch.:0+234.0~0+250.0 21:30-01:40) Grouting for anchor bars for steel arches supporting (29PCS) Grouting machine breakdown at 23:30-00:30	contact with the shotcrete surface. Night PAT 2 Plug Area Pak laborers are on strike due to Chinese labor offensive statement.	offensive words to religion.	Chinese labor offensive statement.	Installation of rebar mesh		roadblock at char nullah
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 1	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO activity due to limitation of resources. Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites.	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO Activity due to limitation of resources Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO Activity due to limitation of resources Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites	Day No Activity due to source limitation Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites	Day PAT 2 Plug Area Ch.:0+234.0~0+250.0 6:00-11:30 Installation of Rebar mesh Night PAT 2 Plug Area Ch.:0+234.0~0+242.0 21:00-00:00) Installation of Rebar mesh
STB from powerhouse connection tunnel	Day F. Ch.:0+129.0(Approx.) No activity Note: ventilation duct is nonfunctional. Night F.Ch:0+128.5~Ch.:0+00-0+12.0	Day F. Ch.:0+129.0(Approx.) No activity Note: ventilation duct is nonfunctional. Night F.Ch:0+128.5~Ch.:0+00-0+12.0	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day F. Ch.:0+129.0(Approx.) No activity Note: ventilation duct are nonfunctional. Night F.Ch:0+128.5~Ch.:0+00-0+12.0	Day F. Ch.:0+129.0(Approx.) No activity Note: ventilation duct are nonfunctional. Night F.Ch:0+128.5~Ch.:0+00-0+12.0	Day F. Ch.:0+129.0(Approx.) No activity Note: ventilation duct are nonfunctional. Night F.Ch:0+128.5~Ch.:0+00-0+12.0	Day PAT - 01 Design Excavation Completed PAT 1 Plug Area NO Activity due to limitation of resources Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites
Surge Chamber Vault Access Tunnel (VAT)+ Vault Gallery	Day RIGHT GALLERY 7:00~) Assembling of steel channel platform. Ch.:0+468.5~469.5 07:42-08:39) Remedial shotcrete sf Qty=4.8m³ Note: Non Functional Ventilation Night Ch.:0+395.0~21:00-23:00) Arrangements for weep holes Drilling for weep holes not started due to drilling jumbo breakdown. Note: Non Functional Ventilation	Day RIGHT GALLERY 7:00~13:00) Assembling of steel channel platform. Note: Non Functional Ventilation Night Ch.:0+395.0~21:00-23:00) Arrangements for weep holes Drilling for weep holes not started due to drilling jumbo breakdown. Note: Non Functional Ventilation	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day RIGHT GALLERY Note: Non Functional Ventilation Night Ch.:0+395.0~21:00-23:00) Arrangements for weep holes Drilling for weep holes not started due to drilling jumbo breakdown. Note: Non Functional Ventilation	Day No activity Night Ch.:0+395.0~21:00-02:00) Drilling for weep holes Note: Dry drilling causing ventilation problem	Day RIGHT GALLERY 5:00-11:30) Welding of scaffolding plate form. Note: Non Functional Ventilation Night Ch.:0+395.0~0+450.0 21:00-02:00)Drilling for weep holes Note: Dry drilling causing ventilation problem Note: Non Functional Ventilation	Day Ch.:0+425.0~0+440.0 6:00-10:00) Drilling for weep holes Night Ch.:0+430.0~0+460.0 21:00-00:00)Drilling for weep holes Note: Dry drilling causing ventilation problem Note: Non Functional Ventilation
Intake area	Day El:▼0+979-0+971 07:00-13:30) Excavation and mucking	Day El:▼0+979-0+971 NO activity due to rain	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day El:▼0+979-0+971	Day El:▼0+979-0+971	Day El:▼0+979-0+971	Day El:▼0+979-0+971 No Activity
Switchyard Compound	Day Day work order Left side portion 06:00-13:30) Removal of Debris material El▼9560.0~952.0(5th layer center portion) 06:00-13:00) Fixing of reinforcement and form working for drainage nullah El▼950-940.0 (3rd layer center left portion) 8:00' 13:00) Drilling for blast Night El▼950-947.0(3rd layer left portion)	Day Day work order Left side portion 06:00-09:30) Removal of Debris material Note: No more activity due to rain El▼9560.0~952.0(5th layer center portion) 06:00-13:00) Fixing of reinforcement and form working for drainage nullah El▼950-940.0 (3rd layer center rift portion) 8:00' 10:00) Excavation El▼950-947.0(3rd layer left portion)	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day Day work order Left side portion El▼9560.0~952.0(5th layer center portion) El▼950-940.0 (3rd layer center rift portion) 8:00' 10:00) Excavation Night El▼950-947.0(3rd layer left portion) El▼940.0~938.0(2nd layer right portion)	Day Day work order Left side portion El▼9560.0~952.0(5th layer center portion) El▼950-940.0 (3rd layer center rift portion) 8:00' 10:00) Excavation El▼950-947.0(3rd layer left portion) El▼940.0~938.0(2nd layer right portion)	Day El▼9560.0~952.0(5th layer center portion) Night El▼950-947.0(3rd layer left portion) El▼940.0~938.0(2nd layer right portion)	Day Day work order 5:30-1:30) Removal of debris material. (5th layer center to right) 6:00-11:30 formwork for Drainage. El▼950-940.0 (3rd layer center rift portion) Night El▼950-947.0(3rd layer left portion) El▼940.0~938.0(2nd layer right portion)

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [30/34]

	El▼940.0~938.0(2nd layer right portion)	El▼940.0~938.0(2nd layer right portion)					
Provision of Security Measure	Day Sentry Tower CT-02 06:00~13:30) Block masonry for sentry tower	Day Sentry Tower CT-02 06:00~13:30) Block masonry for sentry tower CR-09 Bridge RAR side 6:00~12:00) internal Plastering	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion. Night Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day Sentry Tower CT-02 CR-09 Bridge RAR side	Day Sentry Tower CT-02 CR-09 Bridge RAR side	Day Sentry Tower CT-02 No Activity CR-09 Right bank Bridge. 06:00~12:00) Inner and outer walls Plaster of fc room. Cement= 7bags Night	Day Sentry Tower CT-02 No Activity CR-09 Right bank Bridge. 06:00~12:00) Inner and outer walls Plaster of fc room. Cement= 7bags
Day work	Day No Activity	Day No Activity	Day Ch.:0+170.5 Pakistani laborers are on strike due to Chinese labor used offensive words to religion.	Day No Activity	Day Shushi camp area No activity	Day KKH upstream of CR-9 Main Gate. 06:00~12:00) Cleaning of debris material from existing kohl upstream of CR-9 Main Gate.	Day KKH upstream of CR-9 Main Gate. 06:00~11:30) Cleaning of debris material from existing kohl upstream of CR-9 Main Gate.

Date/Day Location	22 Saturday	23 Sunday	24 Monday	25 Tuesday
Tailrace Tunnels 1 CT2	Day F.Ch:1+540.50 (U/S) No Activity F.Ch:1+621.5 (D/S) 12:00~13:30 Charging for blast (Expo=300KG) 13:40 Blast carried out 14:00~ Mucking is in progress Night F.Ch:1+540.50 (U/S) No Activity F.Ch:1+625.0 (D/S) 19:30~23:50 Mucking & scaling 01:00~02:00) 1st layer shotcrete (PS Qty=6.0m³)	Day F.Ch:1+541 (U/S) 8:00~9:50 Charging for blast 10:00 Blast carried out 10:30~14:40 Mucking & scaling 18:00~18:40 Charging for Additional blast F.Ch:1+621.5 (D/S) Ch:1+621.5~1+625.0 11:00~16:00 Installation of wire mesh Qty=13pcs Ch:1+621.0 16:20~19:00 Grouting & installation of Rock dowels (Qty=10pcs) Night F.Ch:1+538.00 (U/S) 19:40~23:00) Mucking & scaling 02:10~02:50) 1st layer shotcrete (PS Qty=5.0m³) F.Ch:1+625.0 (D/S) Ch.:1+621.50~1+625.0 01:30~02:10) 2nd layer shotcrete (PS Qty=7.0m³)	Day F.Ch:1+537.5 (U/S) Ch:1+540.0~1+538.0 7:00~11:00 Installation of wire mesh F.Ch:1+621.5 (D/S) No activity Night F.Ch:1+537.50 (U/S) 20:00~22:00) Grouting for rock dowels (10pcs grouted, 01 pcs R/W=10th missing) 21:30~22:00) Mapping (Qv=1.87) F.Ch:1+625.0 (D/S) 22:00~22:30) Mapping (Qv=2.81)	Day F.Ch:1+537.5 (U/S) NO Activity due to resources limitation. F.Ch:1+621.5 (D/S) NO Activity due to resources limitation. Night F.Ch:1+537.50 (U/S) NO Activity due to limited resources. F.Ch:1+625.0 (D/S) NO Activity due to limited resources.
Tailrace Tunnels 2 CT2	Day F.Ch:1+612.00(U/S) No Activity F.Ch:1+671.50~1+668 (D/S) No Activity Night F.Ch.:1+612.0(U/S) No Activity F.Ch:1+671.50 (D/S) No Activity	Day F.Ch:1+614.00(U/S) 16:30~18:00 Charging for blast (Expo=390KG) 18:40 Blast carried out F.Ch:1+671.50~1+668 (D/S) No Activity Night F.Ch:1+612.00(U/S) 21:30~) Mucking is in progress F.Ch:1+671.50(D/S) No Activity	Day F.Ch:1+612.00(U/S) No Activity F.Ch:1+671.50 (D/S) 11:00~12:50) Drilling for blast 12:58~) Charging for blast 13:30~)Mucking is in progress Night F.Ch:1+612.00(U/S) 22:30~23:00) Mapping (Qv=2.29) F.Ch:1+674.50(D/S) 20:00~23:00) Mucking & scaling 23:00~23:30)	Day F.Ch:1+612.00(U/S) Ch.: 1+612~1+609 08:00~12:20) Installation of wire mesh (Qty=7pcs) 13:40~14:30 2nd layer PS Shotcrete (Qty=8m³) Ch...1+611.0 16:00~18:00) Drilling for rock dowels F.Ch:1+671.50 (D/S) Ch:0+1+671.0~1+675.0 13:50~) Installation of
Tailrace Tunnels 1 CT 1	Day (Transition Area) Ch:0+04.0~0+015.5 14:30~17:00 Rectification of wire mesh Nigh Ch.:0+04.5~0+015.50 (Transition Area) 20:00~) Rectification of wire mesh	Day (Transition Area) Ch:0+04.0~0+015.5 8:00~11:00) Rectification of wire mesh Nigh t Ch.:0+04.5~0+015.50 (Transition Area) 00:10~) 2nd layer shotcrete (PS Qty=16.0m³)	Day (Transition Area) Ch:0+16.0 (D/S) 8:00~8:30 Survey for blast 10:50~Drilling for blast Night Ch.:0+04.5~0+016.0 (Transition Area) Ch:0+16.0 (D/S) 20:30~01:20) Charging for blast 01:39~) Blast carried out 02:15~) Mucking is in progress	Day (Transition Area) F.ch:0+19.0 Approx.) Ch:0+16.0~0+19.0 (D/S) 08:00~14:30) Mucking and scaling Night Ch.:0+04.5~0+016.0 (Transition Area)Ch:0+16.0 (D/S)20:30~00:40) Drilling for remaining portion blast01:00~) Charging for blast (Expo=100kg)
Tailrace Tunnels 2 CT 1	Day (Transition Area) Ch.: 0+04.5 ~0+015.5 14:30~17:00 Installation of Rock dowels Face plates. Night Ch:0+04.0 ~0+015.5 20:00~04:00) Installation of Rock dowels face plates	Day (Transition Area) Ch:0+04.5 ~0+015.5 8:00~) Rectification of wire mesh Night Ch:0+04.0 ~0+015.5 20:00~01:30) Rectification of wire mesh	Day (Transition Area) Ch.: 0+04.5 ~0+015.5 12:10~12:50) 2nd layer Shotcrete Qty=8m³ Note: - No QA/QC Person on site. Night Ch.: 0+04.0 ~0+015.5 Ch.:0+04.0(U/S) 21:00~22:00) Survey for blast 22:30~) Drilling for blast	Day (Transition Area) Ch:0+04.0 U/S 08:00~10:00) Drilling for blast 10:20~14:45) Charging for blast (Expo=150kg) 14:58) Blast carried out 14:40~) Mucking is in progress Night Ch.: 0+04.0 ~0+015.5 Ch.:0+04.0(U/S) 21:00~00:30) Mucking
TC I 1	Day Ch.:0+170.5 No Activity Due to No availability of water on site. Nigh tCh:0+170.5 No activity due to unavailability of water CGGC site staff didn't came to site due to roadblock at char nullah	Day Ch.:0+170.5 No Activity Due to No availability of water on site. Night Ch:0+170.5 No activity due to unavailability of water CGGC site staff didn't came to site due to road block at char nullah	Day Ch.:0+170.5 8:00~) Drilling for Extensometer Night Ch.: 0+170.5 NO Activity due to resources limitation. CGGC site staff didn't came to site due to roadblock at char nullah	Day Ch.:0+170.5 No Activity Night Ch.: 0+170.5 NO Activity due to resources limitation. CGGC site staff didn't came to site due to roadblock at char nullah
TC II-2(1)+TCII-2(2) (Left and Right)	Day	Day II-2 Right No Activity Night Ch.:0+110 No Activity	Day No Activity Night II-2 Right Side NO Activity due to resources limitation.	Day II-2 Right No Activity Night II-2 20:30~) Repairing & welding work of platform DHC OHS stop the work due to unsafe working conditions, after DHC OHS left the site CGGC site supervisor resume the work.
TC Left crown I-	Day	Day No Activity Nigh	Day Ch.:0+110 No Activity	Day Ch.:0+170.0 10:00~13:00) Installation of

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [31/34]

	Ch.: 0+110 No Activity Due to No availability of water on site. Night F.Ch:0+241.0~ (D/S) No activity due to unavailability of water Note: Dry drilling causing ventilation problem	F.Ch:0+241.0~ (D/S) Ch:0+170.0 20:30~23:00) Arrangement for extensometer 23:10~) Drilling for extensometer Note: Dry drilling causing ventilation problem	Night F.Ch:0+241.0~ (D/S) Ch:0+170.0 20:00~00:30) Drilling for extensometer 01:00~) Dismantling of scaffolding platform Note: Dry drilling causing ventilation problem	extensometer 13:30~) Removing & loading of Scaffolding platform Night F.Ch:0+241.0~ (D/S) Ch:0+170.0 20:00~00:30) Drilling for extensometer 01:00~) Dismantling of scaffolding platform Note: Dry drilling causing ventilation problem
TC Right crown I-3	Day F.Ch: 0+241.0 No Activity Due to No availability of water on site. Night F.Ch: 0+241.0 (D/S) No activity due to unavailability of water Pak laborers are on strike due to Chinese labor offensive statement.	Day F.Ch: 0+241.0 No Activity Due to No availability of water on site. Night F.Ch: 0+241.0 (D/S) No activity due to unavailability of water Pak laborers are on strike due to Chinese labor offensive statement.	Day F.Ch: 0+241.0 Night F.Ch: 0+241.0 (D/S) NO Activity due to resources limitation. Pak laborers are on strike due to Chinese labor offensive statement.	Day F.Ch: 0+241.0 Night F.Ch: 0+241.0 (D/S) NO Activity due to resources limitation. Pak laborers are on strike due to Chinese labor offensive statement.
Power house Exhaust Tunnel	Day 14:30~17:00) Invert cleaning & leveling Night No activity	Day 8:00~17:00) Invert cleaning & leveling Night No activity	Day 8:00~17:00) Invert cleaning & leveling Night No activity	Day 8:00~) Invert cleaning & leveling Night No activity
- PH I 1 Center crown	Day F.Ch:0+241.0 Ch.: 0+170.0~0+190.0 14:30~17:00) Repairing Guide caps of Tension rock bolts. Night F.Ch.:0+241 No Activity	Day F.Ch:0+241.0 No Activity Due to No availability of water on site. Night F.Ch.:0+241 Ch:0+140.0 23:00~) Drilling for cutting rebar's Note: Drilling machine break down	Day F.Ch:0+241.0 Ch.: 0+118.45~0+111.55 8:30~) Grouting for PS Tendons. (9 Tendons Grouted) P52-12 (367.1KG) P51-12 (317.7KG) P40-12 (373.3KG) P50-12 (140.3KG) P49-13 (425.1KG) P41-13 (315) P43-12 (240.9KG) P42-7 (242.0KG) P41-12 (201.7KG) Night F.Ch.:0+241 Ch.: 0+140.0 21:00~) Drilling for cutting rebar's > Continuous breakdowns of Drilling machine Ch.:0+214.0~0+224.0 22:10~) Drilling for PS tendons	Day F.Ch:0+241.0 Ch.: 0+060.95~0+67.85. 09:00~) Water pressure test for PS Tendons up to 6m (10 pcs) Location:- PH29-12(0.9), PH29-10(3.5), PH28-13(4.0), PH28-11(4.0), PH27-10(2.5), PH27-12(2.8), PH30-11(2.7), PH30-13(4.2), PH30-10(3.8), P30-12(3.2) Ch:0+209~0+216.0 08:30~) Drilling for PS Tendons on platform up to 6m. Night F.Ch.:0+241 Ch.: 0+140.0 21:00~) Drilling for cutting rebar's Ch.:0+209~0+216.0 21:00~01:30) Arrangements & Repairing of drilling machine for drilling of PS tendons 01:30~) Drilling for PS Tendons on platform up to 6m.
PH II 1	Day F.Ch.:0+241 II-2 Left Night F.Ch.:0+241 No activity CGGC site staff didn't came to site due to road block at char nullah	Day F.Ch.:0+241 II-2 Left Night F.Ch.:0+241 No activity CGGC site staff didn't came to site due to road block at char nullah	Day F.Ch.:0+241 II-2 Left Night F.Ch.:0+241 NO Activity due to resources limitation. CGGC site staff didn't came to site due to road block at char nullah	Day F.Ch.:0+241 II-2 Left Night F.Ch.:0+241 NO Activity CGGC site staff didn't came to site due to road block at char nullah
PH I 2 Lift Crown		F.Ch:0+241.0~ Approx. Night F.Ch:0+241.0~ Approx. No activity CGGC site staff didn't came to site due to road block at char nullah	Day F.Ch:0+241.0~ Approx. Night F.Ch:0+241.0~ Approx. No activity CGGC site staff didn't came to site due to road block at char nullah	Day II-2 LEFT Ch.: 0+110~0+80.0 8:00~) Fixing of TRBs Bearing plates. Night II-2 RIGHT Ch.:0+72.50.0 23:20~00:20) WPT for PS tendons (03PCS) Location: PH32-11(3.70), PH32-12(3.80), PH32-13(3.20)
PH II-2(1)+Ph. II-2(2) (Left and Right)	Day II-2 RIGHT Ch.: 0+00.0~0+030.0 14:30~17:00) Installation of supporting bars for PS Tendons.t II-2 LEFT Ch:0+0+50.0~0+60.0 14:30~17:00) Installation of bearing plate for TRBs, Night II-2 RIGHT Ch:0+120.75~92.0 20:30~) Installation of PS tendons Location: 55-13 50-12 48-12 44-12 43-12 42-12 41-12 No further activities due to unavailability of water II-2 LEFT Ch.: 0+95~0+115.0 20:00~00:30) Installation of bearings plates for TRB Ch.:0+46~0+25.0 00:50~) Installation of supporting bars for TRB No further activities due to unavailability of water	Day II-2 RIGHT Ch.:0+000.0~0+30.0 08:00~17:00) Installation of supporting for PS tendons II-2 LEFT Ch.:0+40~0+50.0 00:50~) Installation of supporting bara for TRB No further activities due to unavailability of water Night II-2 RIGHT Ch.: 0+10.0~0+40.0 20:00~) Installation of supporting bars for PS Tendons. Ch:0+70~0+55.0 22:20~) Drilling for PS tendon Ch:0+70~0+110.0 20:00~23:00) Packing for PS tendon Ch:0+93.00~0+113.0 23:05~01:10) Packer grouting for PS tendon (12PCS) Location:PH40-12, PH41-12, PH41-13, PH42-12, PH43-12, PH44-12, PH45-12, PH46-12, PH46-13, PH47-12, PH48-12, PH50-12 Ch.:0+95.0~0+109.0 01:15~04:00) Grouting for PS tendons (05PCS) Location: PH42-13(365.40kg), PH43-13(326.30kg), PH44-13(210.0kg), PH47-13(259.60kg), PH48-13(254.90kg) II-2 LEFT Ch.:0+46~0+25.0 20:50~) Installation of supporting bars for TRB	Day II-2 RIGHT Ch.:0+065.0~ 8:00~) Drilling for PS Tendons up to 6m. II-2 LEFT Ch.: 0+80.0~ 8:20~) Installation of supporting bara for TRB Ch.: 0+010.0~ 8:00~) Fixing of TRBs Bearing plates. Night II-2 RIGHT Ch:0+102.35~0+109.25 20:10~02:00) Grouting for PS tendons (06PCS) Location: PH45-12(171.0kg), PH45-13(452.6kg), PH46-12(269.10kg), PH46-13(273.40kg), PH47-12(310.90kg), PH48-12(293.50kg) Ch.:0+150.0~0+170.0 01:00~02:30) Installation of supporting bars for PS Tendons. II-2 LEFT Ch.: 0+.050.0~0+65.0 22:30~01:00) Installation of supporting bars for PS Tendons.	Day II-2 LEFT Ch.: 0+110~0+80.0 8:00~) Fixing of TRBs Bearing plates. Night II-2 RIGHT Ch.:0+72.50.0 23:20~00:20) WPT for PS tendons (03PCS) Location: PH32-11(3.70), PH32-12(3.80), PH32-13(3.20) Ch.: 0+~074.75~0+86.25 20:30~02:30) Installation of PS Tendons. (08PCS) Location: PH58-12, PH38-13, PH37-13, PH36-12,13, PH34-12, 13, PH33-12 Ch.:0+217.35~0+86.25 20:00~) packer & Backfill grout for PS tendons Location: PH95-13 PH55-13,PH38-13, PH37-13, PH36-13, PH34-13 II-2 LEFT Ch.: 0+116.15~0+125.35 21:10~) Grouting for PS tendons (02PCS) Location: PH51-2(238.3Kg), PH55-13(259.10Kg)
PH I 3 Right Crown	Day F.Ch:0+241.0~ Approx. NO Activity due to resources limitation. Night	Day F.Ch:0+241.0~ Approx. Night'	Day F.Ch:0+241.0~ Approx. NO Activity due to resources	Day F.Ch:0+241.0~ Approx. NO Activity due to resources limitation. Night

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [32/34]

	F.Ch:0+241.0(D/S) No activity CGGC site staff didn't came to site due to road block at char nullah	F.Ch:0+241.0- Approx. No activity CGGC site staff didn't came to site due to road block at char nullah	limitation. Night F.Ch:0+241.0(D/S) No activity CGGC site staff didn't came to site due to road block at char nullah	F.Ch:0+241.0(D/S) NO Activity due to limited resources
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 2	Day PAT 2 Plug Area Ch:0+234.0-0+250.0 14:30-17:00) Installation of Rebar mesh Night PAT 2 Plug Area Ch.:0+240-0+250.0 20:30-) Installation of Rebar mesh J	day PAT 2 Plug Area Ch:0+234.0-0+250.0 08:00-17:00) Installation of rebar mesh Night PAT 2 Plug Area Ch:0+244.0-0+248.0 22:10-04:00) Grouting for rock dowels (22pcs)	Day PAT 2 Plug Area Ch:0+234.0-0+250.0 9:00- Grouting for Anchor Bars (Qty=13pcs) Night PAT 2 Plug Area Ch:0+244.0-0+248.0 22:10-01:00) Installation of rebar mesh Note: Contractor installed D9 instead of D13 . Issue is highlighted to Chinese foreman & QC staff	Day PAT 2 Plug Area Ch.:0+234.0-0+250.0 09:30-12:00) Grouting for Anchor bars (Qty= 13 pcs) Ch.:0+234.0-0+250.0 22:10-01:00) Installation of rebar mesh Ch:0+180-0+190.0 (Approx.) 08:30-) Installation of supporting bars for ventilation fan Night PAT 2 Plug Area Ch:0+244.0-0+248.0 20:30-) Grouting for Anchor bars (10pcs)
Penstock Admit Tunnel towards Lower pressure. Manifold area Tunnel No 1	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO Activity due to limitation of resources Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO Activity due to limitation of resources Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug No Activity due to contractor focus on Mw-01 sites	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO Activity due to limitation of resources Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug NO Activity due to limitation of resources	Day PAT- 01 Design Excavation Completed PAT 1 Plug Area NO Activity due to limitation of resources Night PAT-01 Design Excavation is complete Lower Pressure Tunnel 01 Manifold. PAT 01 Plug NO Activity due to limited resources
STB from powerhouse connection tunnel	Day F. Ch.:0+129.0(Approx.) Night F.Ch:0+128.5- Ch.:0+00-0+12.0	Day F. Ch.:0+129.0(Approx.) Night F.Ch:0+128.5- Ch.:0+00-0+12.0	Day F. Ch.:0+129.0(Approx.) Night F.Ch:0+128.5- Ch.:0+00-0+12.0	Day F. Ch.:0+129.0(Approx.) Night F.Ch:0+128.5- NO Activity due to limited resources
Surge Chamber Vault Access Tunnel (VAT)+ Vault Gallery	Day RIGHT GALLERY 14:30-17:00) Assembling of steel channel platform. Night RIGHT WALL Ch:0+400.0-0+435.0 20:30-) Drilling for weep holes LEFT WALL Ch:0+440-0+470.0 20:30-) Drilling for weep holes Note: Dry drilling causing ventilation problem Note: Non Functional Ventilation	Day Ch.: 0+400.0-0450.0 8:00-) Drilling For Weep holes. Night RIGHT WALL Ch:0+425-0+440.0 20:30-) Drilling for weep holes Note: Dry drilling causing ventilation problem Note: Non Functional Ventilation	Day Ch.: 0450.0- 8:00-) Drilling For Weep holes. RIGHT GALLERY 8:00-) Assembling of steel channel platform. Night Ch.:0+420.0-0+440.0 03:00-) Drilling for weep holes Note: Dry drilling causing ventilation problem Note: Non Functional Ventilation	Day Ch.: 0420.0- 8:00-) Drilling For Weep holes. RIGHT GALLERY 8:00-) Assembling of steel channel platform. LEFT GALLERY 8:00-) Assembling of steel channel platform. Night Ch.:0+420.0-0+440.0 21:30-) Drilling for weep holes Note: Non Functional Ventilation
Intake area	Day El:▼0+979-0+971 No Activity	Day El:▼0+979-0+971 No Activity	Day El:▼0+979-0+971 No Activity	Day El:▼0+979-0+971 No Activity
Switchyard Compounds	Day Day work order 7:30-17:30) Removal of debris material. (5th layer center portion) 14:30-17:00) Fixing of Reinforcement and form working for Side drainage. Further No Activity Night El▼950-947.0(3rd layer left portion) El▼940.0-938.0(2nd layer right portion)	Day Day work order 7:30-) Removal of debris material. (5th layer center portion) 14:30-17:00) Reinforcement & Form working for Side drainage. Further No Activity Night El▼950-947.0(3rd layer left portion) El▼940.0-938.0(2nd layer right portion)	Day Day work order 7:30-) Removal of debris material. (5th layer center portion) 8:00- Reinforcement & Form working for Side drainage. Further No Activity Night El▼950-947.0(3rd layer left portion) El▼940.0-938.0(2nd layer right portion)	Day Day work order 7:30-) Removal of debris material. (5th layer center portion) 8:00- Reinforcement & Form working for Side drainage. Night El▼950-947.0(3rd layer left portion) El▼940.0-938.0(2nd layer right portion)
Provision of security measure	Day Sentry Tower CT-02 No Activity CR-09 Right bank Bridge. 06:00-12:00) Inner and outer walls Plaster of fc room. Cement= 7bags Shushi camp area 12:30-17:30) Clearing of access way for construction of sentry tower	Day Sentry Tower CT-02 No Activity Sentry Tower Shushi Camp. 7:30-) Clearing of access way & block masonry for sentry tower. KKH Near CR-9 Main Gate. 8:00-) Lean Concrete for sentry tower & washrooms. Qty=3cu.m)	Day Sentry Tower CT-02 No Activity Sentry Tower Shushi Camp. 8:00-) Block masonry for sentry tower. Existing KKH In front of CR-9 Main Gate. 8:00-) Block masonry for sentry tower. Junction Point of Road leading to Batching & Tunnels areas At CR-9 8:00- Preparation foundation & form working for sentry tower.	Day Sentry Tower CT-02 No Activity Sentry Tower Shushi Camp. 7:30-9:00) Block masonry for sentry tower. 9:00-) Reinforcement for Roof slab. Unskilled lab=05, Skill lab=02. Existing KKH In front of CR-9 Main Gate. 8:00-) Block masonry for Washrooms, unskilled lab=03, Skill lab=02. Junction Point of Road leading to Batching & Tunnels areas At CR-9 No Activity
Day work	Day KKH upstream of CR-9 Main Gate. No Activity	Day KKH upstream of CR-9 Main Gate. 7:30-11:20) Removal of debris material.	Day KKH upstream of CR-9 Main Gate.	Day KKH upstream of CR-9 Main Gate

Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)

Appendix K [33/34]

Daily Work Records of EM-01

S/No Structure	1 Saturday	2 Sunday	3 Monday	4 Tuesday	5 Wednesday	6 Thursday	7 Friday
Terrace #16	Construction of Retaining Wall	Construction of Retaining Wall & Excavation and Levelling	Construction of Retaining Wall & Excavation and Levelling	Construction of Retaining Wall & Excavation and Levelling	Construction of Retaining Wall & Excavation and Levelling	Construction of Retaining Wall & Excavation and Levelling	Construction of Retaining Wall & 3.2.2 Building Excavation
Access road	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #12 Security Building	Block Masonry	Block Masonry Door& Windows Farm Fixing	Block Masonry Door& Windows Farm Fixing	Block Masonry Door& Windows Farm Fixing	Block Masonry Door& Windows Lintel Beam Formwork	Block Masonry Door& Windows Lintel Beam Concrete	Block Masonry
Terrace #6 Office Building	Foundation Concrete	Foundation Concrete	Foundation Concrete	Foundation Back Filling	Wall Foundation PCC	Wall Foundation Block Masonry	Wall Foundation Block Masonry & column Foundation concrete
Terrace #11 3.1 building	Plinth Beam Concrete	Back Filling	Block Masonry	Block Masonry	Block Masonry	Block Masonry	Door & Windows Lintel Beam Formwork and Concrete
Terrace #9	No activity	No activity	No activity	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling	Excavation and Levelling
Road Side Boundary Wall	Copping	No activity	No activity	No activity	No activity	No activity	No activity
Gate	Gate Installation	Paint Work	No activity	No activity	No activity	No activity	No activity
Control Room Post	Stone Masonry	Stone Masonry	Stone Masonry	No activity	No activity	No activity	No activity
Block Manufacturing	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	8 Saturday	9 Sunday	10 Monday	11 Tuesday	12 Wednesday	13 Thursday	14 Friday
Terrace #16	Construction of Retaining Wall & 3.2.2 Building foundation PCC	Construction of Retaining Wall & 3.2.2 Building Column Foundation Concrete	Construction of Retaining Wall & 3.2.2 Building Column Foundation Concrete	3.2.2 Building Column Foundation Concrete	3.2.2 Building Column upto Plinth Level concrete	3.2.2 Building Column upto Plinth Level concrete	3.2.2 Building Wall Foundation Block masonry & 3.1 Building Column Foundation Concrete
Terrace # 7	No activity	No activity	No activity	Road side Construction of Retaining Wall	Road side Construction of Retaining Wall	Road side Construction of Retaining Wall	Road side Construction of Retaining Wall
Terrace # 10	No activity	No activity	No activity	3.2.2 Building Foundation Excavation	3.2.2 Building Foundation Excavation	3.2.2 Building Foundation PCC	3.2.2 Building Foundation PCC
Access road	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall	Construction of Retaining Wall
Terrace #12 Security Building	Wall Block Masonry	Wall Block Masonry	Wall Block Masonry	Wall Block Masonry	Wall Block Masonry	Wall Block Masonry	Wall Block Masonry
Terrace #6 Office Building	Wall Foundation Block Masonry & column Foundation concrete	Wall Foundation Block Masonry & column Foundation Back filling	Wall Foundation Block Masonry	Wall Foundation Block Masonry	Extension Column Foundation Excavation	Extension Column Foundation Concrete	Extension Column upto plinth level concrete
Terrace #11 3.1 building	Wall Block Masonry / Door & Windows Lintel Beam Concrete	Wall Block Masonry	Wall Block Masonry	Ground Floor Slab Formwork & steel work	Ground Floor Slab Formwork and steel & Electrification work	Ground Floor Slab Formwork and steel & Electrification work	Ground Floor Slab Formwork and steel & Electrification work
Terrace #9	Excavation and Levelling	No activity	No activity	No activity	No activity	No activity	No activity
Block Manufacturing	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building	Preparing Block For Building
Stone Hammering/ Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting	Preparing Stone for Retaining Wall by using Jack Hammer & Rebar Cutting
S/No Structure	15 Saturday	16 Sunday	17 Monday	18 Tuesday	19 Wednesday	20 Thursday	21 Friday
Terrace #16	3.2.2 Building Wall Foundation Block masonry	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Terrace # 7	Roadside Construction of Retaining Wall	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Terrace # 10	3.2.2 Building Foundation concrete	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Access road	Construction of Retaining Wall	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Terrace #12 Security Building	Wall Block Masonry	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Terrace #6 Office Building	Wall Foundation Block masonry	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Terrace #11 3.1 building	Ground Floor Slab Concrete	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Terrace #9	No activity	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Block Manufacturing	Preparing Block For Building	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Stone Hammering	Preparing Stone for Retaining Wall by using Jack Hammer	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday
Rebar Cutting	Rebar Cutting For Building	Rebar Cutting For Building	Rebar Cutting For Building	Rebar Cutting For Building	Rebar Cutting For Building	Rebar Cutting For Building	Rebar Cutting For Building
S/No Structure	22 Saturday	23 Sunday	24 Monday	25 Tuesday	26 Wednesday	27 Thursday	28 Friday
Terrace #16	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	3.4 Building Foundation excavation	3.4 Building Foundation excavation
Terrace #6 Office Building	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	Plinth beam Formwork	Plinth beam Formwork

**Dasu Hydropower Project
Monthly Progress Report No. 105 (April 2023)**

Appendix K [34/34]

Terrace #9	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	No activity Eid Holliday	Excavation and Levelling	Excavation and Levelling
Rebar Cutting/Welding S/No Structure	Rebar Cutting For Building 29 Saturday	Rebar Cutting For Building 30 Sunday	Rebar Cutting For Building	Rebar Cutting For Building	Rebar Cutting For Building	Rebar Cutting& Welding For Building	Rebar Cutting& Welding For Building
Terrace #16	3.4 Building Foundation excavation	No activity					
Nala	Nala Excavation	Nala Excavation					
Terrace #6 Office Building	Plinth beam Formwork & wall foundation block masonry	Plinth beam Formwork & wall foundation block masonry					
Terrace #9	Excavation and Levelling	No activity					
Rebar Cutting/Welding	Rebar Cutting& Welding For Building	Rebar Cutting& Welding For Building					