



UTTAR PRADESH CORE ROAD NETWORK DEVELOPMENT PROJECT

PROJECT MANAGEMENT CONSULTANCY SERVICES FOR UTTAR PRADESH CORE ROAD NETWORK DEVELOPMENT PROGRAMME

Construction and Up-gradation of Four Packages of UPCRNDP Phase-I Roads and Design Project Report(DPR) for Phase II Roads in the State of Uttar Pradesh (1 NCB Package on Item Rate and 3 ICB Packages on EPC)

MONTHLY PROGRESS REPORT No. 21 MARCH -2021

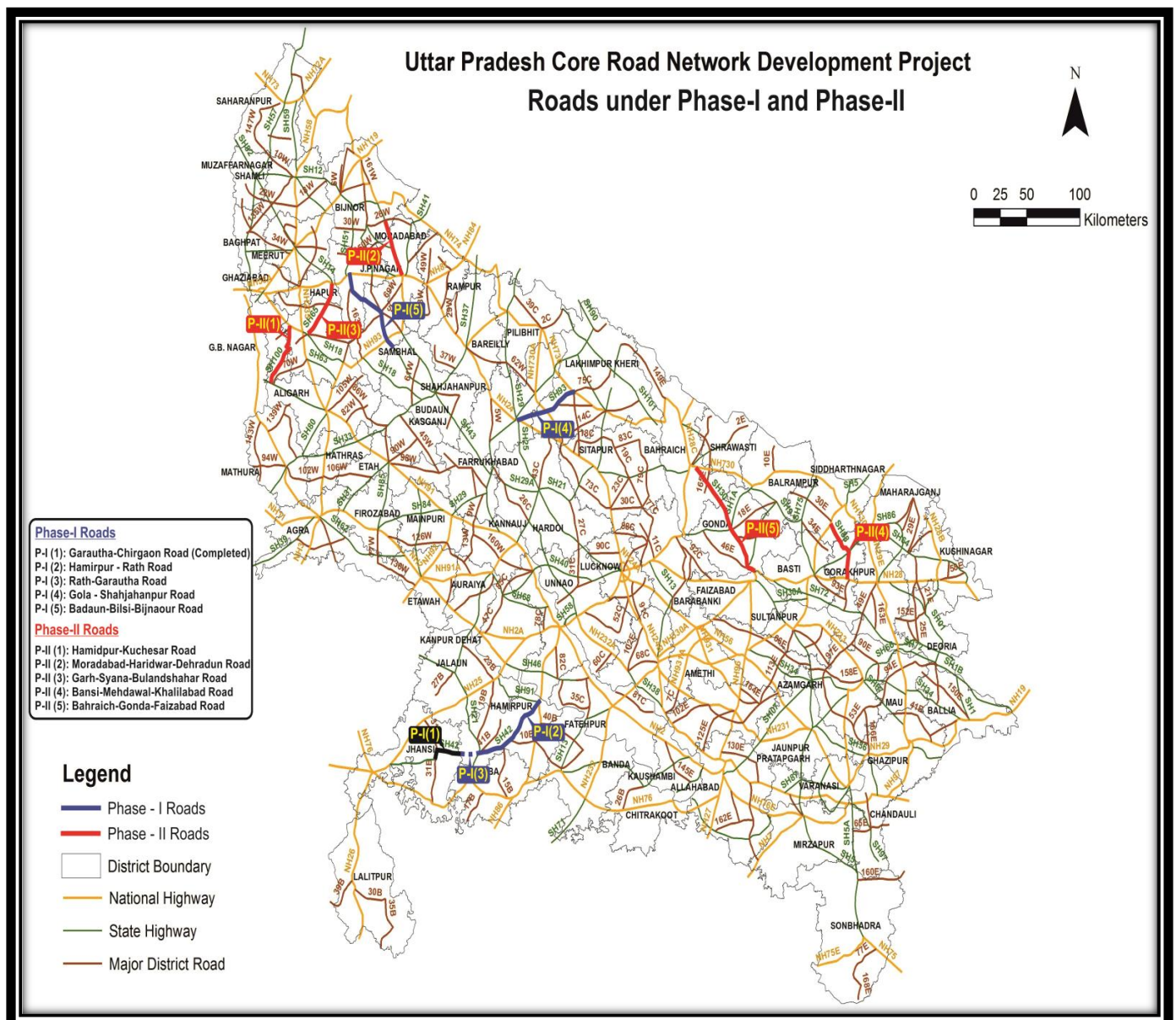


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APPENDIX A UPG-01 (ANNEXURE-A TO ANNEXURE-N)

APPENDIX B UPG-03 (ANNEXURE-A TO ANNEXURE-N)

APPENDIX C UPG-04 (ANNEXURE- A TO ANNEXURE-N)

INTRODUCTION

1 Project Background

Uttar Pradesh has a road network of 299,604 Km, out of which 174,451 Km is under Public Works Department (PWD). The roads under PWD comprise 7,550 Km of National Highways (NHs), 7,530 Km of State Highways (SHs) 5,761 Km of Major District Roads (MDRs), 3,254 Km of Other District Roads (ODRs) and 138,702 Km of Village Roads (VRs). Only about 60% of SHs are two-lane (7 m). In the entire state 62% of MDRs and 83% of ODRs have widths less than 7 m.

With a view to improve the Transport Network System, UPPWD has identified 24,095 Km of Core Road Network for the development. This network comprises of NH, SH, MDR, ODR and the details are presented in the table below:

Road Category	Length (Km)
National Highway (NH)	7,550
State Highway (SH)	7,530
Major District Road (MDR)	5,761
Other District Road (ODR)	3,254
Total	24,095

2 Project Overview

The Civil Works component will be undertaken in two Phases. The Terms of Reference (TOR) for consultancy contract identifies roads with an aggregate length of 419 Km as Phase-I and remaining roads to be undertaken under Phase- II. The total budgeted Project Cost is about INR 3,500 Crore, out of which funds available for the works has been estimated at about INR 3,000 Crore.

Public Works Department (PWD) on behalf of Government of Uttar Pradesh engaged M/s Egis India Consulting Engineers Pvt. Ltd. to carry out Consultancy Services for Uttar Pradesh Core Road Network Development Plan. The Consultant is required to provide all required assistance and support to the PWD /GoUP/ Bank Task Team in complying with World Bank Investment Project Financing Policies and Procedures.

The Project Management Consultancy services will be undertaken in three Parts.

PART A: Project Preparation including Detailed Engineering Design and Contract Documentation (Lump Sum) 24 months from commencement of services.

PART B: Construction Supervision of Phase I Civil Works (Time Based) Until completion of Civil Works of Phase-I roads including DLP & Maintenance (24-30 months + 60 months Maintenances period including DLP)

PART C: Project Management Services (Time Based) Initially for 5 years further extension based on Consultants performance.

The Contract was signed on 8th August 2014 and it was agreed that the start date for the assignment shall be considered as 19th August 2014. The initial discussions were held on 14th August 2014 with Client on the priority roads and scheduled deliverables. Accordingly, the teams were mobilized and activities commenced on Proposed Phase-I roads.

This **Monthly Report No.21** is prepared and submitted with respect to Terms of Reference (TOR) for Consultancy Services to Agreement between the Chief Engineer (AEP), Uttar Pradesh Public Works Department (UPPWD) and Egis India Consulting Engineers Pvt. Ltd, New Delhi.

COMPONENT PART– A & C

**PROJECT PREPARATION INCLUDING DETAILED ENGINEERING DESIGN AND CONTRACT
DOCUMENTATION**

3 PART- A

3.1 Phase 1 Roads

Roads considered under Phase 1 for Part A Component of PMC services as per contract have been modified as under:

S. No.	Phase-I Road/Works (as per Contract)	Category	Length (km)	Revised
1	Hamirpur-Rath-Gursahayganj-Jhansi Road	SH-42	168	Splits into three packages
2	Gola-Shahjahanpur Road	SH-93	59	No Change
3	Badaun-Bilsi-Bijnaour	SH-51	79	No Change
4	Utraula-Faizabad Road	SH-9	59	Shifted to Phase-II
5	Lepulekh-Bhind(From Jalalabad) Road *	SH-29	54	Replaced by Balrampur – Utraula- Faizabad Road
6	Bridge Over River Sharda	—	—	Shifted to Phase-II
		Total	419	

Note: *Lepulekh-Bhind Road (Sl. No. 5) has been omitted as it is announced as a National Highway. A new road “Balrampur-Utraula-Faizabad Section” of SH-26 and SH-9 of Length 86.4 km has been added in its place.

The Roads finalized under Phase 1 are as under:

S. No.	Package	Road/Works	Category	Length (km)	Civil Cost (INR Cr)
1	UPG-01	Hamirpur-Rath	SH-42	72.785	262.40
2	UPG-02	Garautha-Chirgaon	SH-42	49.145	189.99
3	UPG-03	Gola-Shahjahanpur Road	SH-93	57.535	356.90
4	UPG-04	Badaun-Bilsi-Bijnaour	SH-51	79.125	334.00

The Phase 1 Roads are now under construction and their detailed progress is given under Part B Component.

3.2 SH-42 Missing Link Section Rath – Garautha (Approx. 37.347 km) – 2 Lane(Cost 251 INR Cr.)

- ❖ Final Daft DPR submitted on 4th December 2020 to Client
- ❖ NOC from World Bank received on 22nd December 2020 subject to world bank compliances to be included in the Final DPR;
- ❖ The final DPR has been submitted on 7th January 2021 incorporating all comments and revisions as advised by the client and World Bank.
- ❖ Bidding Document are also prepared and submitted on 20th February 2021
- ❖ WB comments received on the Bid Documents and response prepared for submission in early April 2021.

3.3 Phase 2 Roads

Client (EAP-PWD) vide letter no.2018/1-02/UPCRNDP/CEWB/2019 dated 16/10/2019 granted 5 Roads with G.O.no. 1480/23-12-2019-88/15 (R) dated 09/10/2019 for Detailed Project Report Preparation.

List of selected roads to be designed and constructed under Phase 2 are as under:

S.No	Name of Road/work	Category	Length (km)	Estimated Cost INR(Cr)
1	Moradabad-Haridwar-Dehradun Road	SH-49	36.00	356.40
2	Garh- Syana-Bulandshahar Road	SH-65	49.50	499.20
3	Baharaich - Gonda- Faizabad	SH-30	60.10	310.00

	Road			
4	Hamidpur- Kuchesar Road	SH-100	47.50	289.20
5	Bansi-Mehndawal-Khalilabad Road	SH-88	32.00	146.30
Total			225.10	1601.10

3.4 Phase-II Roads Progress

The status of DPR of roads under Phase 2 is given in following tables:

S.No.	Name of Road	Moradabad-Haridwar-Dehradun (Km 0.000- Km 36.000) 4 Lane
	Road Category	SH-49
	District	Moradabad
	Proposed length	36.00
	Estimated block/indicative Cost (INR Cr.)	356.40
	Inception Report	Submitted on 27th Nov-2019
	DPR Activities	Status of the DPR Works
1	Structure Inventory Survey	Completed
2	Road Inventory and Road Conditioning survey	Completed
2a	Road inventory and Pavement Condition Data Compellation and Report Preparation	Completed
3	Topographical Survey	Completed
4	Topo Survey Report	(Completed) Report is submitted
5	Traffic and Axle Load Surveys	Completed
5a	Traffic Data Analysis	Completed
5b	Traffic Report	Completed
6	Pavement Material Investigations	Completed
7	Falling Weight Deflectometer Test	Completed
8	Pavement Design Report	Completed
9	Social Impact Analysis	Submitted
10	Revenue Map Collection Concern Project	Completed
11	Environmental Surveys	Completed
11a	Environmental Impact Assessment Parameter Collection	Completed
11	Environmental Impact Assessment	Submitted
12	Feasibility Study Report	Completed
13	Alignment Finalization	Completed
14	Geotechnical Investigation	Completed
15	Structure Design	Completed
16	Highway Design and Drawings preparation	Completed
17	Rate analysis and Cost Estimation	Submitted
18	Detailed Design Report (DPR)	Submitted
19	Drawings and Bidding Documents	Scheduled
20	Contract documentation	Scheduled
21	Packaging	Scheduled

S.No.	Name of Road	Garh-Syana-Bulandshahar (Km 0.000- Km 49.500)- 4 Lane
	Road Category	SH-65
	District	Bulandshahar
	Proposed length	49.50
	Estimated block/indicative Cost (INR Cr.)	499.20
	Inception Report	Submitted on 27 th Nov-2019
	DPR Activities	Status of the DPR Works
1	Structure Inventory Survey	Completed
2	Road Inventory and Road Conditioning survey	Completed
2a	Road inventory and Pavement Condition Data Compellation and Report Preparation	Completed
3	Topographical Survey	Completed
4	Topo Survey Report	Report is Submitted
5	Traffic and Axle Load Surveys	Completed
5a	Traffic Data Analysis	Completed
5b	Traffic Report	Completed
6	Pavement Material Investigations	Completed
7	Falling Weight Deflectometer Test	Completed
8	Pavement Design Report	Completed
9	Social Impact Analysis	Submitted
10	Revenue Map Collection Concern Project	Completed
11	Environmental Surveys	Completed
11a	Environmental Impact Assessment Parameter Collection	Completed
12	Environmental Impact Assessment	Submitted
13	Feasibility Study Report	Submitted
13	Alignment Finalization	Completed
14	Geotechnical Investigation	Completed.
15	Structure Design	Completed
16	Highway Design and Drawings preparation	Completed
17	Rate analysis and Cost Estimation	Completed
18	Detailed Design Report (DPR)	Submitted
19	Drawings and Bidding Documents	Submitted
20	Contract documentation	Scheduled
21	Packaging	Scheduled

S.No.	Name of Road	Bahraich-Gonda-Faizabad (Km 05.500 - Km 65.600) – 2 lane
	Road Category	SH-30
	District	Bahraich-Gonda
	Proposed length	60.10
	Estimated block/indicative Cost (INR Cr)	310.00
	Inception Report	Submitted on 27 th Nov-2019
	DPR Activities	Status of the DPR Works
1	Structure Inventory Survey	Completed
2	Road Inventory and Road Conditioning survey	Completed
2a	Road inventory and Pavement Condition Data Compellation and Report Preparation	Completed

3	Topographical Survey	Completed
4	Topo Survey Report	Completed (Report is Submitted)
5	Traffic and Axle Load Surveys	Completed
5a	Traffic Data Analysis	Completed
5b	Traffic Report	Completed
6	Pavement Material Investigations	Completed
7	Falling Weight Deflectometer Test	Completed
8	Pavement Design Report	Completed
9	Social Impact Analysis	Completed
10	Revenue Map Collection Concern Project	Completed
11	Environmental Surveys	Completed
11a	Environmental Impact Assessment Parameter Collection	Completed
12	Environmental Impact Assessment	Submitted
13	Feasibility Study Report	Submitted
13	Alignment Finalisation	Completed
14	Geotechnical Investigation	Completed
15	Structure Design	Submitted
16	Highway Design and Drawings preparation	Submitted
17	Rate analysis and Cost Estimation	Submitted
18	Detailed Design Report (DPR)	Submitted
19	Drawings and Bidding Documents	Submitted
20	Contract documentation	Scheduled
21	Packaging	Scheduled

S.No.	Name of Road	Hamidpur-Kuchesar Road Hamidpur via Badshahpur (0.000 to 47+500 Km) 2 Lane
	Road Category	SH-100(Note: Approx. 27 km converted to National Highway also consultant requested to propose Green Highway with cost analysis for the remaining section)
	District	GautamBudhnagar
	Proposed length	47.50
	Estimated block/indicative Cost (INR Cr.)	289.20
	Inception Report	Submitted on 27th Nov-2019
	DPR Activities	Status of the DPR Works
1	Structure Inventory Survey	Completed
2	Road Inventory and Road Conditioning survey	Completed
2a	Road inventory and Pavement Condition Data Compellation and Report Preparation	Completed
3	Topographical Survey	Completed
4	Topo Survey Report	Completed- Report is submitted
5	Traffic and Axle Load Surveys	Completed
5a	Traffic Data Analysis	Completed
5b	Traffic Report	Completed
6	Pavement Material Investigations	Completed

7	Falling Weight Deflectometer Test	Completed
8	Pavement Design Report	Completed
9	Social Impact Analysis	To be Confirmed
10	Revenue Map Collection Concern Project	Completed
11	Environmental Surveys	Completed
11a	Environmental Impact Assessment Parameter Collection	Completed
12	Environmental Impact Assessment	To be Confirmed
13	Feasibility Study Report	Completed
13	Alignment Finalization	Completed
14	Geotechnical Investigation	Completed
15	Structure Design	Completed
16	Highway Design and Drawings preparation	Completed
18	Rate analysis and Cost Estimation	To be Confirmed
19	Detailed Design Report (DPR)	Under preparation to incorporate Green Highway component/to be discussed with the Client /WB
20	Drawings and Bidding Documents	Scheduled
21	Contract documentation	Scheduled
22	Packaging	Scheduled

S.No.	Name of Road	Bansi-Mehdawal-Khalilabad (Km 0.000 - Km 28.900) – 2 Lane
	Road Category	SH-88
	District	Sant Kabir nagar-Sidhart nagar
	Proposed length	28.90
	Estimated block/indicative Cost (INR Cr.)	146.30
	Inception Report	Submitted on 27 th Nov-2019
	DPR Activities	Status of the DPR Works
1	Structure Inventory Survey	Completed
2	Road Inventory and Road Conditioning survey	Completed
2a	Road inventory and Pavement Condition Data Compellation and Report Preparation	Completed
3	Topographical Survey	Completed
4	Topo Survey Report	Completed- Report is Submitted
5	Traffic and Axle Load Surveys	Completed
5a	Traffic Data Analysis	Completed
5b	Traffic Report	Completed
6	Pavement Material Investigations	Completed
7	Falling Weight Deflectometer Test	Completed
8	Pavement Design Report	Completed
9	Social Impact Analysis	Completed
10	Revenue Map Collection Concern Project	Completed
11	Environmental Surveys	Completed
11a	Environmental Impact Assessment Parameter Collection	Completed

12	Environmental Impact Assessment	Submitted
13	Feasibility Study Report	Submitted
14	Alignment Finalization	Completed
15	Geotechnical Investigation	Completed
16	Structure Design	Submitted
17	Highway Design and Drawings preparation	Submitted
18	Technical Specification finalization	
19	Rate analysis and Cost Estimation	
20	Detailed Design Report (DPR)	Submitted
21	Drawings and Bidding Documents	Submitted
22	Contracting documentation	Scheduled
23	Packaging	Scheduled-

4 PART – C

4.1 Status of Consultancy Services required and mobilized under UPCRNDP:

SL No.	Description of Services	Methods of Selection	Review Type	Present Status	Name Of Consultant / Firm
1	Project Management Consultancy (PMC's)	QCBS		Contract awarded and commencement from 04 August, 2014	M/s Egis India Pvt. Ltd
2	Consultancy for Financial Management Firm.	QCBS	Post	Contract awarded and commencement from 18 January, 2021.	M/s Asija & Associates LLP
3	Consultant firms for conducting Road User Satisfaction Surveys (Baseline).	QCBS	Post	Contract awarded and commencement from 18 January, 2021.	M/s Marketing and Research Development Associates (MDRA)
4	Individual Consultant (IC) for the Consultancy Services to support the Social component under Environment and Social Development Cell (ESDC).	ICS	Post	Contract awarded and commencement from 05 May, 2020.	Mr. Prabhanjan Narayan Roy
5	Individual Consultant (IC) for the Consultancy Services to support the Environmental component under Environment and Social Development Cell (ESDC).	ICS	Post	Contract awarded and commencement from 06 May, 2020.	Dr. Seema Srivastava
6	Consultancy Services for Independent Quality Auditor for UP Core Road Network	QCBS	Post	Contract awarded and commencement from 18 January, 2021.	M/s TUV-SUV South Asia Private Limited

	Development Project proposed from World Bank Loan.				
7	Gender Assessment.	QCBS	Post	Contract awarded and commencement from 18 July, 2019.	M/s ECORYS INDIA Pvt. Ltd.
8	Phase-1 of NGO (firm) (for Resettlement and Rehabilitation works) .	LCS	Prior	Demobilized	M/s Study Point Samiti
9	Phase-1 of NGO (firm) services to undertake balance activities.	SSS	Post	Contract awarded and commencement from 21 October, 2020.	M/s Development Institute For Systems Alternatives.
10	Independent Environmental and social review consultant.	QCBS	Prior	Contract awarded and commencement from 19 February , 2015	M/s EQMS India Pvt. Ltd.
11	Phase-2 of Supervision Consultancy.	QCBS	Prior	Procurement in progress.	
12	Phase-2 of NGO Services.	QCBS	Prior	Terms of Reference (ToR) Under Preparation.	
13	Mid-term evaluation of Road User Satisfaction Surveys.	QCBS	Prior	Not yet started	
14	End-term evaluation of Road User Satisfaction Surveys.	QCBS		Not yet started	
15	Consultancy for Internal Auditor (Financial)	QCBS		To be discussed with the Bank.	
16	PMC for Road Safety Activities to be implemented by UPPWD under UPCRNDP	QCBS	Prior	Procurement in progress.	

ICB- International Competitive Bidding; NCB-National Competitive Bidding

4.2 STATUS OF VARIOUS CIVIL WORKS (Procurement status of Phase-II roads)

SL No.	Description	Methods of Selection	Review Type	Present Status	Name Of Consultant / Firm
1	Upgradation & Maintenance of Rath-Garautha Section of SH-42 (Missing Link)	NCB	Prior	DPR Submitted World Bank Comments on ESMP incorporated	Selection is under process
2	Engineering Procurement and Construction Contract [EPCC] for Upgradation and Maintenance of Bansi-Mehandawal-Khalilabad Road (SH-88)	NCB	Prior	DPR Submitted	Selection is under process

3	Engineering Procurement and Construction Contract [EPCC] for Upgradation and Maintenance of Bahraich-Gonda-Faizabad Road (SH-30)	ICB	Prior	DPR Submitted	Selection is under process
4	Engineering Procurement and Construction Contract [EPCC] for Upgradation and Maintenance of Hamidpur-Kuchesar Road (SH-100)	ICB	Prior	DPR under preparation	
5	Engineering Procurement and Construction Contract [EPCC] for Upgradation and Maintenance of Garh-Syana-Bulandshehar Road (SH-65)	ICB	Prior	DPR Submitted	Selection is under process
6	Engineering Procurement and Construction Contract [EPCC] for Upgradation and Maintenance of Moradabad-Haridwar-Dehradun Road (SH-49)	ICB	Prior	DPR Submitted	Selection is under process

5 Project Management Information System (PMIS)

The Progress on various modules of PMIS is indicated below:

Sl. No.	Modules	Status
1	Grievance Redressal System	Completed
2	Project Website	Completed
3	Content Management System (CMS) / Document Management System	Completed
4	Knowledge And Documentation Centre	Completed
5	Works Estimation System / BOQ automation, Measurement System, Risk Management, Quality Management System	Completed
6	Financial Accounting & Cost Management System	Completed
7	E-Procurement System (provide interface)	Completed
8	Scope Management System	Completed
9	Monitoring and evaluation (M&E) & Decision Support System	Completed
10	Computer Aided Design (CAD) System	Completed
11	Project Roads Database	Completed

6 Financial Progress of Consultant

Financial Expenditure of PMC Services up to March-2021

PART –B Up to MARCH 2021 (INR) – CLAIMED AMOUNT					
SI No.	Description	Contract Amount (INR)	Variation (INR)	Cumulative up to Current Invoice (INR)	Balance (INR)
1	Remuneration for Key Professionals	82,286,700	90,354,046	39,037,023	51,317,023
2	Remuneration for Non- Key Professionals	187,938,800	147,453,510	62,672,960	84,780,550
3	Reimbursable Expenses	44,607,516	48,363,117	21,837,953	26,525,164
4	Escalation			25,482,828	
Total		314,833,016	286,170,672	149,030,764	162,622,737
PART - C – Up to MARCH 2021 (USD) – CLAIMED AMOUNT					
SI No.	Description	Contract Amount	Variation	Cumulative up to Current Invoice	Balance
1	Remuneration for TL	\$1,124,640	\$1,225,501	\$721,532	\$503,969
Gross Amount (Foreign Component)		\$1,124,640	\$1,225,501	\$721,532	\$503,969
PART - C - Up to MARCH 2021 (INR) – CLAIMED AMOUNT					
SI No.	Description	Contract Amount (INR)	Variation (INR)	Cumulative up to Current Invoice (INR)	Balance (INR)
1	Remuneration for Key Professionals	52,034,400	43,239,000	10551990	32,687,010
2	Reimbursable Expenses	18,552,152	30,896,321	17519367	13,376,954
3	Escalation			2983477	
Total		70,586,552	74,135,321	31,054,834	46,063,964

COMPONENT PART-B

CONSTRUCTION SUPERVISION OF CIVIL WORKS

7 Introduction

Civil Works Component under Part-B concedes for providing Construction Supervision Services and Contract Administration for the Improvement of Uttar Pradesh Core Road Network Development Project.

8 Awarded Packages

S. No.	Package Name	Contract Name	Contractor	Contract Amount (INR Cr.)	Length (km)	Appointed Date
1	Up-gradation and Maintenance of Garautha-Chirgaon Section of SH-42 from Km 118.600 to Km 167.745 (UPG-02)	NCB No. UPCRNDP/UPG/02/2014	M/s NKC Projects Pvt. Ltd.	189.99	49.145	15-01-2018
2	Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Hamirpur-Rath section of SH-42 from Km 2.065 to Km 74.255 (UPG-01)	ICB No. UPCRNDP/UPG/01/2018	M/s GHV (India) Pvt. Ltd.	262.39	72.785	25-06-2019
3	Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola-Shahjahanpur section of SH-93 from Km 1.280 to Km 58.580 (UPG-03)	ICB No. UPCRNDP/UPG/03/2018	M/s APCO Infratech Pvt. Ltd.	356.90	57.535	11-11-2019
4	Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsa-Bijnaour section of SH-51 from Km 58.400 to Km 137.820 (UPG-04)	ICB No. UPCRNDP/UPG/04/2018	M/s GAWAR Construction Ltd.	334.00	79.125	04-11-2019
	TOTAL			1143.28	258.59	

9 Construction Period and Milestones

S. No.	Package Name	Const Period	DLP/Maint Period	Milestone 1	Milestone 2	Milestone 3	Milestone 4
1	Up-gradation and Maintenance of Garautha-Chirgaon Section of SH-42 from Km 118.600 to Km 167.745 (UPG-02)	24 Months	5 Years	14-Jan-19	14-Jan-19	15-Jul-19	14-01-20
2	Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Hamirpur-Rath section of SH-42 from Km 2.065 to Km 74.255 (UPG-01)	730 days	1826 days	21-Nov-19	19-May-20	15-Nov-20	23-Jun-21
3	Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola-Shahjahanpur section of SH-93 from Km 1.280 to Km 58.580 (UPG-03)	730 days	1826 days	8-Apr-20	5-Oct-20	3-Apr-21	9-Nov-21
4	Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsa-Bijnaour section of SH-51 from Km 58.400 to Km 137.820 (UPG-04)	730 days	1826 days	1-Apr-20	28-Sep-20	27-Mar-21	2-Nov-21

10 Description of Works

The works of undergoing contract packages are being executed under Engineering and Procurement mode of Contract. Contracts utilize both new and existing alignments. The work involves improvement of State Highways including geometric improvements and realignments to standard 2-lane of 7 m carriageway, 1.5 m paved shoulders, and soft shoulders. The Construction works include:

- ❖ Reconstruction of the full design width of road
- ❖ Earthworks and sub-grade preparations
- ❖ Granular sub-base, wet mix macadam base course, bituminous concrete surfacing
- ❖ Geometric realignments wherever necessary
- ❖ Construction of paved and soft shoulders
- ❖ Construction and maintenance of diversion roads
- ❖ Construction of lined drains, covered drains and footpaths in urban areas
- ❖ Construction of unlined longitudinal drains in rural areas
- ❖ New/widening/Reconstruction of culverts, bridges and repair and rehabilitation of existing bridges/culverts
- ❖ Protective works at Structural works and on embankment slopes
- ❖ Provision of road traffic safety signs and markings
- ❖ Provision of road furniture and other road safety appurtenances
- ❖ Environmental protection and enhancement measures
- ❖ Rainwater Harvesting and Tree Plantation
- ❖ Social enhancement works-Community Property Rehabilitation works etc.,
- ❖ Routine maintenance and maintenance during Defects Liability Period.

11 Design & Drawings Agency of EPC Packages

Package	Consultant	Description	Contractor's Submissions	Client/AE's Comments	Status
Hamirpur-Rath (UPG-01)	Design Consultant Team	Mr. M. Ubendiran, Design Director cum Team Leader; Mr. AlokAnandmani, Highway cum Pavement Design Engineer and Mr. Pradip Kumar Pandey, Structure/Bridge Design Engineer	GHV/Site/ SH-42/ Kanpur /102 Dated 11.07.2019	Approved vide SE letter No. 763 C/24C -WBPCK/19 Dated 18.07.2019	Approved
	Proof Check Consultant	M/s Antique Build Tech (P) Ltd.	GHV/Site/ SH-42/ Kanpur /103 Dated 11.07.2019	SE letter No. 765 C/24C - WBPCK/19 Dated 18.07.2019	Approved
	Safety Consultant	M/s KhannaGoyal Designers LLP, Gurugram	GHV/Site/ SH-42/ Kanpur /104 Dated 11.07.2019	SE letter No. 764 C/24C -WBPCK/ 19 Dated 18.07.2019	Approved
Gola-Shahjahan pur (UPG-03)	Design Consultant Team:	Mr. Virendra Pal Singh; Highway cum Pavement Design Engineer Mr. Ishwinder Singh Duaand Structure/Bridge Design Engineer Mr. Rajesh Kumar Jindal	APCO/CO/GOLA-SHAH/ RE/2019-20/ 6220 Dated 15.07.2019	1655/800-16/UPCRNDP/WB YC/18 Dated 19.08.2019	Approved
	Proof Check Consultant	M/s Chaitanya Project Consultancy Private Limited	APCO/WB-UPPWD/EGIS/ST /10 Dated 07.08.2019	SE Informed vide letter No. 1662/800-16/UPCRNDP/W BYC/19 Dated 20.08.2019 and CE Approved vide letter No. 1948/ EAP/ WB/ UPG-03/2018 Dated 19.08.2019	Approved
	Safety Consultant	M/s Casta Engineers Private Limited, New Delhi	APCO/CO/MSRD C/2018-19/6029 Dated 21.05.2019	1895/EAP/WB/UP G-03/2018 Dated 17.07.2019	Approved
Badaun-Bilsa-Bijnaour (UPG-04)	Design Consultant Team:	Design Director & Team – ShriSatbir Singh Puwar Design Director, Shri K.B Deswal Highway Cum Pavement Design Engineer and ShriAnupam Mishra Structure/Bridge Engineer	Submitted to UPPWD in Nov'2019	1265/21ComW.B.P. C./19-20 Dated 18.11.2019	Approved
	Proof Check Consultant	NIT Kurukshetra	Submitted to UPPWD in Nov'2019	1352/21 Com.- W.B.P.C./19-20 Dated 26.11.2019	Approved

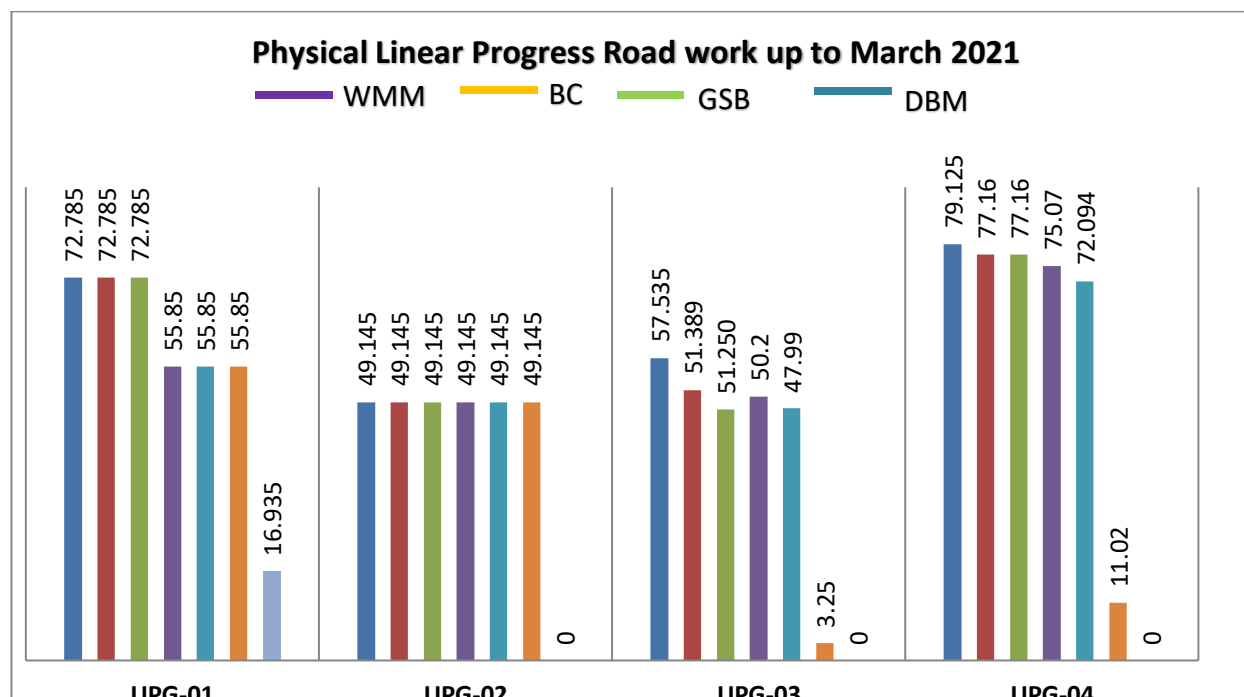
	Safety Consultant	M/s G-EBG Advisory Services Pvt. Ltd.	Submitted to UPPWD in Nov'2019	1351/21 Com.- W.B.P.C./19-20 Dated 26.11.2019	Approved
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12 Physical Progress

At present the construction work is in progress in 3 EPC mode of Civil Contracts Packages. The Civil Works Part 1 of Garautha- Chirgaon (UPG-02) in 1 item rate Contract Package is completed on 31st October 2020. The Progress status Package wise is as below:

Physical Progress Report-March- 2021						
	Sub Grade Top in km			GSB in km		
Package	Scope (km)	Completed	Completed%	Scope (length)	Completed	Completed%
UPG-01	72.785	72.785	100.00	72.785	72.785	100.00
UPG-02	49.145	49.145	100.00	49.145	49.145	100.00
UPG-03	57.535	51.389	89.32	57.535	51.250	89.07
UPG-04	79.125	77.16	97.52	79.125	77.16	97.52
Total	258.59	250.479	96.86	258.59	246.79	95.44
	WMM in KM			DBM in Km		
Package	Scope (km)	Completed	Completed%	Scope (length)	Completed	Completed%
UPG-01	55.85	55.85	100.00	55.85	55.85	100.00
UPG-02	49.145	49.145	100.00	49.145	49.145	100.00
UPG-03	57.535	50.2	87.25	57.535	47.99	83.41
UPG-04	79.125	75.07	94.88	79.125	72.94	92.18
Total	241.655	230.265	95.29	241.655	225.079	93.14
	BC in KM			DLC in KM		
Package	Scope (km)	Completed	Completed%	Scope in length	Completed	Completed%
UPG-01	55.85	55.85	100.00	16.935	16.935	100.00
UPG-02	49.145	49.145	100.00	0	0	
UPG-03	57.535	3.25	5.65	0	0	
UPG-04	79.125	11.02	13.93	0	0	
Total	241.66	119.265	49.35	16.935	16.935	100.00
	PQC in km					
Package	Scope (km)	Completed	Completed%			
UPG-01	16.935	16.935	100.00			
UPG-02	0					
UPG-03	0					

UPG-04	0			
Total	16.935	16.935	100.00	



13 Progress Structure:

Physical Progress of Structure Works Up to the Month of March-2021								
Package – UPG-01 (Hamirpur-Rath Road Project)								
S N	Type of Structures	Revised Scope	Completed Up to Previous Month	Cumulative Completed Up to This Month	Work In Progress	Work Not Started	% Completion	Remarks
1	Minor Bridges (Reconstruction)	4	4	4	0	0	100%	
2	Box Culverts (Reconstruction)	43	41	43	0	0	100%	
3	HP Culverts (Reconstruction)	36	36	36	0	0	100%	
4	Minor Bridge (Widening +Rep.)	0	0	0	0	0	0%	
5	Culverts (Widening +Rep.)	28	26	28	0	0	100%	
6	Repair of Structures	18	6	18	0	0	100%	
	Total	129	113	129	0	0	100	

Package – UPG-02 (Garautha –Chirgaon Road Project)

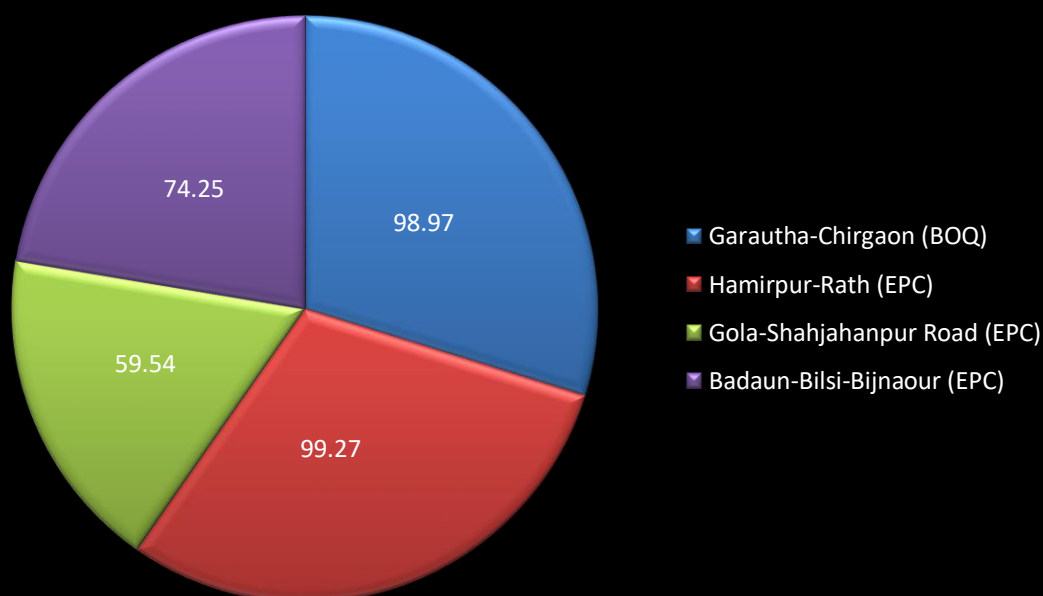
S N	Type of Structures	Revised Scope	Completed Up to Previous Month	Cumulative Completed Up to This Month	Work In Progress	Work Not Started	% Completion	Remarks
1	Minor Bridges (Reconstruction)	5	5	5	0	0	00.00 %	All Works Completed Up to October, 2020
2	Box Culverts (Reconstruction)	46	46	46	0	0	100.00 %	
3	HP Culverts (Reconstruction)	29	29	29	0	0	100.00 %	
4	Minor Bridge (Widening +Rep.)	1	1	1	0	0	00.00 %	
5	Culverts (Widening +Rep.)	13	13	13	0	0	100.00 %	
6	Repair of Structures	4	4	4	0	0	100.00 %	
Total		98	98	98	0	0	100%	

Physical Progress of Structure Works Up to the Month of March-2021
Package – UPG-03 (Gola-Shahjahanpur Road Project)

S N	Type of Structures	Revised Scope	Completed Up to Previous Month	Cumulative Completed Up to This Month	Work In Progress	Work Not Started	% Completion	Remarks
1	Major Bridges (Reconstruction)	1	0	0.5			50%	
2	Minor Bridges (Reconstruction)	4	1	1	3	0	25%	
3	Cattle Under Pass	3	0	2	0	1	67%	
4	Box Culverts (Reconstruction)	19	18	18	0	1	95%	
5	HP Culverts (Reconstruction)	17	16	16	0	1	94%	
6	Minor Bridge (Widening +Rep.)	3	1	1	2	0	33%	FP Works In Progress

7	Culverts (Widening +Rep.)	36	28	28	5	3	78%	FP Works In Progress
8	Repair of Structures	15	0	0	9	6	0%	FP Works In Progress
	Total	98	64	66	20	12		
Package – UPG-04 (Badaun – Bilsa- Bijnaour Road Project)								
S N	Type of Structures	Revised Scope	Completed Upto Previous Month	Cumulative Completed Upto This Month	Work In Progress	Work Not Started	% Completion	Remarks
1	Minor Bridges (Reconstruction)	2	0	0	2	0	0%	FP Works In Progress
2	Box Culverts (Reconstruction)	11	9	10	1	0	91%	FP Works In Progress
3	Slab Culverts (Reconstruction)	6	5	5	1	0	83%	FP Works In Progress
4	HP Culverts (Reconstruction)	69	69	69	0	0	100%	FP Works Not Started
5	Minor Bridge (Wid. +Rep.)	1	1	1	0	0	100%	
6	Culverts (Wid. +Rep.)	19	16	17	2	0	89%	
7	Repair of Structures	4	0	0	2	2	0%	
	Total	112	100	102	8	2		

Financial Progress up to March 2021



Package	Cost of Project (Cr)	Certified IPC Amount (Cr.)	Paid IPC Nos.	Remarks
Garautha-Chirgaon (BOQ)	185.77	183.85	IPC-24	Excl. Maintenance
Hamirpur-Rath (EPC)	262.39	260.469	IPC-17	
Gola-Shahjahanpur Road (EPC)	356.46	212.51	IPC-10	
Badaun-Bilsa-Bijnaour (EPC)	334.08	248.07	IPC-12	
TOTAL (In Crore)	1138.7	904.899		

14 Meeting and Visit during the Reporting Month (Part-B & C)

14.1 Meeting / Training held during the Month

Date	Attended By	Meeting Description
05.03.2021	Team Leader at PWD Office	Progress Review Meeting Chaired by Engineer-in-Chief (R&R)
08.03.2021	Team Leader and REs (UPG-01,03,04)	Discussion regarding COS with SE, PWD Lko at UPPWD office
17.03.2021	PWD Office Jhansi	Mr. Alok Kumar Sinha visited PWD office of Jhansi to provide training on Quality Management system
22.03.2021	PWD Office Sitapur	Mr. Alok Kumar Sinha visited PWD office of Sitapur to provide training on Quality Management system
23.03.2021	Team Leader, REs (UPG-01, 03,04), Social Expert and Environment Expert	Review Meeting of PMC progress, presented by all REs, social Expert and Environment expert.
25.03.2021	Team Leader, PWD Staff and Contractors	Virtual Road Safety training/Workshop by Road Safety Auditor of Egis, Mr. Bhushan Kumar Marigala.

14.2 Site Visits Carried out during the Month

Egis Sr. Bridge Engineer Mr. Rajiv Ranjan Verma visited the Hamirpur - Rath project site from 09.03.2021 to 12.03.2021 in the month of March, 2021. His Site Inspection Report issued to the Contractor for compliance vide letter No. Egis India/LKO/UPCRNDP/2021/1237 dated 15.03.2021.

Egis Environmental Specialist Mr. Devbrat Singh visited the Hamirpur - Rath project site along with the Contractor's Representative from 09.03.2021 to 12.03.2021 in the month of March, 2021 to verify the Environmental Safeguard Implementation at project site and His Site Inspection Report issued to the Contractor for compliance vide letter No. Egis India/LKO/UPCRNDP/2021/1244 dated 20.03.2021.

Egis Sr. Bridge Engineer Mr. Rajiv Ranjan Verma visited the Badaun-Bilsi-Bijnour project site from 18.03.2021 to 20.03.2021 in the month of March, 2021. His Site Inspection Report issued to the Contractor for compliance vide letter No. Egis India/LKO/UPCRNDP/2021/1248 dated 22.03.2021.

Egis Environmental Specialist Mr. Devbrat Singh visited the Badaun-Bilsi-Bijnour project site along with the Contractor's Representative from 17.03.2021 to 20.03.2021 in the month of March, 2021 to verify the Environmental Safeguard Implementation at project site and His Site Inspection Report issued to the Contractor for compliance vide letter No. Egis India/LKO/UPCRNDP/2021/1257 dated 26.03.2021.

Egis Sr. Bridge Engineer Mr. Rajiv Ranjan Verma visited the Garautha-Chirgaon project site from 24.03.2021 to 25.03.2021 for conducting Speed & Delay Study in the month of March, 2021.

FACTORY VISIT:

Factory Visits for inspection of manufacturing Steel Girder (MS Galvano India Private Ltd) and Steel Bearings (Steel Auto Industries) required for Bridges in UPG-03, The Client Representative, SQME and RE of AE and Contractor's QCM visited the above factories manufacturing Steel Bridge Girders and Pot PTFE Bearings in Noida & Yamuna Nagar for Source approval and both sources were approved for production. Further visits to be arranged for all testing requirements.

15 Correspondence Management

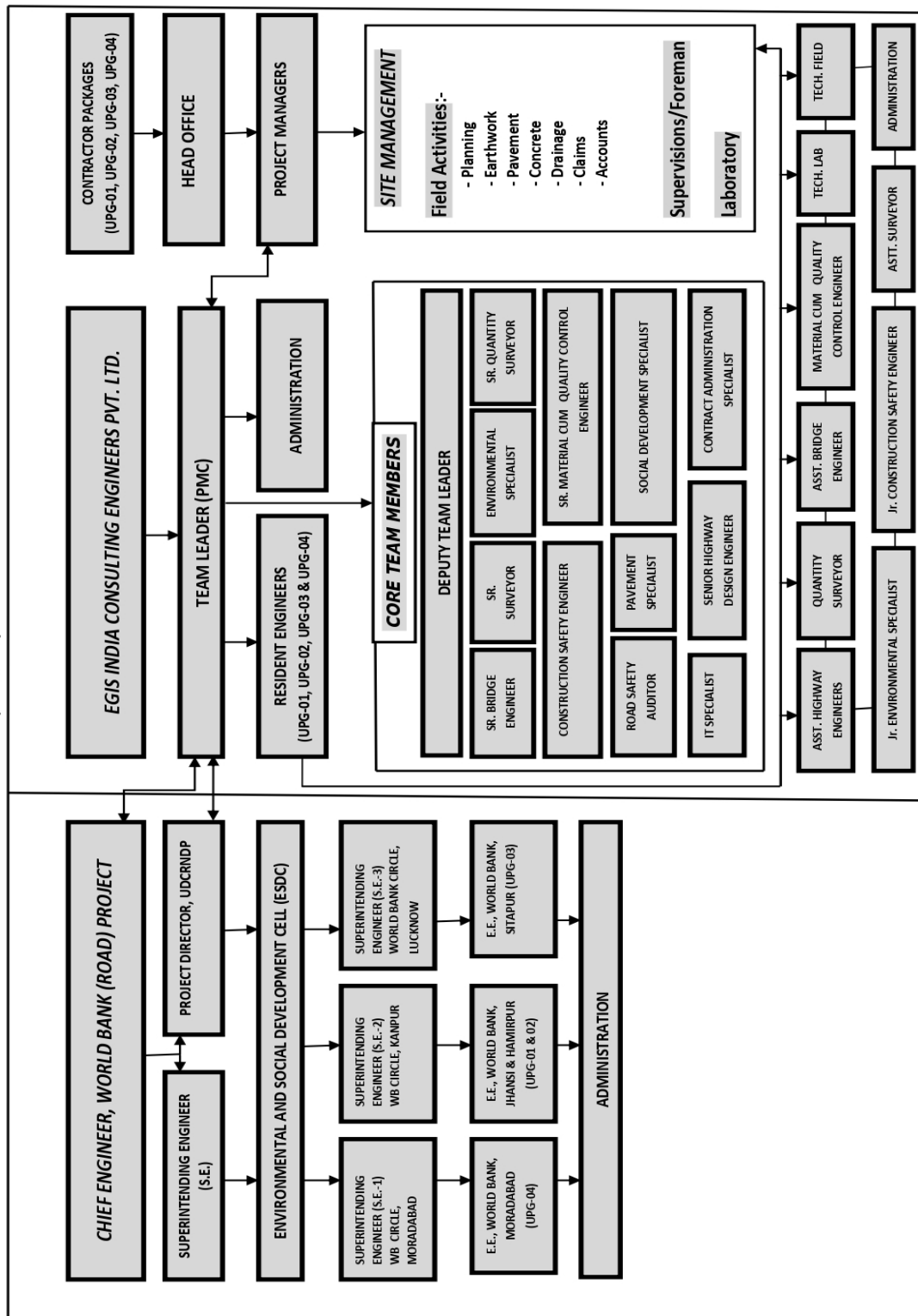
Important Correspondences and Minutes of the Meeting conducted are attached as Enclosure-1.

16 Construction Supervision Consultant's Mobilization

16.1 Organization

The Construction Supervision Services for Phase I Roads including EPC Contract Supervision is shown diagrammatically in the Construction Supervision Organization chart in Figure below:

PROJECT ORGANIZATION CHART
(Part-B & c)



16.2 Consultant's Mobilization

16.2.1 Staff

The table below shows Egis Staff mobilizations until the date of this report, together with the proposed durations of each staff member.

Position	Name	Duration (months)	Start date	Remarks
TEAM LEADER'S OFFICE				
Team Leader	Mohd. Ayaz Beg	65.381	01.06.19	
Dy. Team Leader (Const. Mgmt. Specialist)	Sarwan Singh Saini	36	18.03.21	Part B&C services
Contract Administration Specialist	TBA	36	TBA	Part-C Services
Senior Highway Design Engineer	Sanjay Kumar	18		Part-C Services (Existing Staff of EGIS)
Senior Bridge Design Engineer (intermittent)	Rashid Najfi	10		Part-C Services (Existing Staff of EGIS)
IT Specialist	Sanjay Ayyangar	36	10.09.19	Part B &C Services
Social Development Specialist	Dr. Sudesh Kaul	16.44	08.08.18	Part-C Services
Road Safety Auditor	Bhushan Kumar Merigala	10		Part-C Services (Existing Staff of EGIS)
Pavement Specialist (Intermittent)	T. Someshwar Rao	11	03.09.19	Part-C Services
Senior Material cum Quality Control Specialist	Alok Sinha	45.5	06.07.18	Part-B Services
Construction Safety Engineer	Raman Rajan Dash	40	04.09.20	Part-B Services (Resigned on 25.02.2021)
Environment Specialist	Dev Brat Singh	45	15.03.18	Part-B&C Services
Senior Surveyor	Rajendra Singh	16	05.03.18	Resigned
Senior Bridge Engineer	Rajiv Ranjan Verma	39	01-05-20	Part-B Services
Senior Quantity Surveyor (Additional)	Anil Katiyar	42	19.02.20	Part-B Services
PMIS/Procurement Sub-professional	Deepak Pant	72	26.06.19	
Assistant Social Development Specialist (Additional)	Bikram Singh	10	11.09.19	
Office Manager cum Accountant	K.C.Joshi	72	14.05.18	
Computer Operator	Ashok Kumar Srivastava	72	15.04.15	
Office Assistant	Sunil Kumar	72	03.06.19	
Watchman	Gyanendra Singh	72	05.10.14	

Note: UPG-02 Part-1 Project Works completed on 31stOct-2020 hence all CSC staffs are demobilized by Authority. However, Contractor's O&M works are being monitoring by UPG-01 & TL Office staffs.

16.2.2 Vehicles

The Table below shows the Vehicles that have been deployed by the Egis for the use of Team Leader and Resident Engineers' Staffs in the project for the Supervision of Civil Work. The commercial registered Vehicles have been engaged with Drivers and fuel through vendors. Statutory Permit, Routine Service and Repairs for the Vehicles will be carried out by the Vendors.

S. No.	Vehicle Type	Vehicle No.	Start Date	Remarks
TEAM LEADER'S OFFICE (LUCKNOW)				
1	MARAZZO	UP-32 LN 6457	13.08.2019	
2	TATA JEST	UP-32 LN 1212	23.07.2018	
CONTRACT PACKAGE- UPG/01 HAMIRPUR – RATH				
1	TUB	UP-93 CT 2775	01.05.2020	
2	BOLERO	UP-93 CT 1827	01.05.2020	
3	BOLERO	UP-93BG 2454	05.12.2019	
CONTRACT PACKAGE – UPG/03 GOLA - SHAHJAHANPUR				
1	BOLERO	UP-31 AT 2263	12.05.2020	
2	BOLERO	UP-27 AU2415	06.12.2019	
3	BOLERO	UP-27 AU2414	06.12.2019	
CONTRACT PACKAGE –UPG/04 BADAUN – BILSI - BIJNAOUR				
1	BOLERO	UP-23 V 3064	26.08.2019	
2	BOLERO	UP-23 X 2683	06.12.2019	
3	BOLERO	UP-23 AC 2841	05.12.2019	

16.2.3 Offices

Team Leader Office has been set up in Lucknow near to Client's Office.

Address is: Office of the Team Leader/Authority Engineer,
Egis India Consulting Engineers Pvt. Ltd.

House No.3/138, Vishal Khand-3, Gomtinagar,

Lucknow, UP-226010, Phone: 0522 - 4952905, Email: egis_upcrndp@egis-india.com

Site Office Addresses:

Contract Package – UPG/01

Hamirpur – Rath Section of SH-42

Office of the Resident Engineer

Egis India Consulting Engineers Pvt. Ltd,
C/o Mr. Ram Ratan Singh,
NaiBasti, Charkhari Road, Near Ramlila Ground,
RathDistt.-Hamirpur,U.P.-210 431 (This office will
be supervising the Civil works of Missing Link too)

Contract Package – UPG/03

Gola – Shahjahanpur Section of SH-93

Office of the Resident Engineer

Egis India Consulting Engineers Pvt. Ltd,
1st and 2nd Floor, Main Shahjahanpur
Road In front of Garg Crasher, Bara
Road, Mohammadi, Uttar Pradesh-262 804

Contract Package- UPG/02

Garautha–Chirgaon Section of SH-42

Office of the Resident Engineer

Egis India Consulting Engineers Pvt. Ltd,
Dharmendra Kumar Parashar
PahadiBuzurg,Chirgaon,
District-Jhansi (U.P) –284301

All Staff and Site office is demobilized from 31st
Dec 2020

Contract Package – UPG/04

Badaun–Bilsi–Bijnaour Section of SH-51

Office of the Resident Engineer

Egis India Consulting Engineers Pvt. Ltd.
C/o Mr. Dalchand, HoliVala, Chakauri Road, near
Bajaj Showroom, Near Bajaj ShowroomRoad,
Hasanpur-244 241.

CONTRACT PROJECT ACTIVITIES

17 CONSTRUCTION PACKAGE –UPG-02

17.1 Introduction

Contract Package UPG-02, Up-gradation (Widening/Strengthening) of Garautha-Chirgaon Section of SH-42 From Km. 118+600 to Km. 167+745, has been awarded to M/s NKC Projects Pvt. Ltd., Gurgaon, for a Contract Amount of Rs. 189,99,99,491.00. The Contract Agreement No.100/UPCRNDP/CEEAP/2016-17 was signed on 4th January 2017.

The project works are divided into two parts,

PART-1 Completed on 31st October 2020 and completion certificate issued by the Engineer and the site was handed over to the Client, however as the contract includes Part- 2 DLP/Maintenance works for 5 Years, the site was handed over back to the same contractor NKC Projects Pvt. Ltd.

PART-2 Includes maintenance for 5 Years after taking over Part-1 works, which started on 1st November 2020

S. No	Contract Package	Length (Km)	Completion Period (as per Contract)	Contract Agreement Date	Commencement Date (as per Contract)	Scheduled Completion Date (as per Contract)
1.	UPCRNDP/UPG/02/2014 Garautha-Chirgaon Road (SH-42)	49.145	24 Months	04.01.2017	15 th January 2018	14 th January 2020 but completed on 31 st October 2020 as per the Granted EOT

The cumulative Physical Progress Achieved is 100% and Financial Progress is 98.96% for part –1 work, **ie. Project work Part 1 completed within the Contract Price with a saving of 1.04%**

17.2 Salient Features of Contract

Salient Features of the Contract are enclosed as Annexure-A- Contract Data

The works were executed under FIDIC (5th Edition) Conditions of Contract. The work involves improvement of State Highways including geometric improvements and realignments to standard 2-lane carriageway with Paved Shoulders and verges,

Consultant Mobilization: All AE staff demobilized since 31st December 2020.

17.3 AE Staff Mobilization and supervision arrangement during maintenance period

The Authority has confirmed that it is not necessary to mobilize Engineer staff at present during the maintenance period and the AE site staff at UPG-02 with the Team Leader office staff can cover and carry out the inspections and instruct the Contractor for any remedial works.

17.3.1.1 Base Camp Establishment during Maintenance period

Contractor has maintained the established Base Camp Office at Ch.138+030 (RHS) Village-Pureniya for the maintenance period (land agreement valid till 7-05-2021) and will be relocating Office/base camp in due course, however He has reduced the number of staff and equipment.

Base Camp Office Address:
 M/S NKC Projects Pvt Ltd.
 Near Gursarai, Plot No. 243, Dist-Jhansi (UP)-284202
 Village-Pureniya, Tehsil-Tehrauli,

17.3.1.2 List of Contractor Staff Mobilized for Maintenance Period.

The Contractor has engaged 10 no. women as general labour during the maintenance period.

Sl.	Name	Designation	Remarks
1	Mr. PankajPradhan	Highway Engineer	
2	Mr.AshudevProhit	QuatitySurveyor&Planning	
3	Mr.Manoj Gupta	HR Admin	
4	Mr.Kuldeep Singh Chauhan	Highway Engineer	
5	Mr. Pradeep Mondal	Highway Supervisor	
6	Mr. Brij Kishore	Forman Structure	

17.3.1.3 List of Equipment Mobilized for Maintenance Period

S.No.	Equipments Mobilized	Maintenance Period
1.	Excavator	01
2.	JCB	01
3.	TATA Tipper	02
4.	Water Tanker	02
5.	Trailer	01
6.	Bolero Camper	01
7.	Diesel Distributer	01
8.	Plastic Water-filled Barriers	15
9.	Traffic Cones	20
10.	Diversion Sign Barriers/Road Works Ahead/Go Slow /Man at Work etc.	03 Each
11.	Flashing Light	04

17.3.2 Interim Payment Certificate

Contractor Submitted the IPA-24 as a Statement for Completion of works on 15-01-2021. IPC-24 was submitted with the approved As Built Drawings and supporting documents.

The IPC-24 was reviewed and certified by the Engineer on 29-01-2021, but the Rebate Excise Exemption claim for HSD which was claimed by Contractor was rejected in accordance with the contract agreement.

18 CONTRACT PACKAGE UPG-01

18.1 Introduction

Contract Package UPG-01, Engineering, Procurement and Construction Contract for up-gradation and Maintenance of Hamirpur to Rath Section of SH-42 from design Ch.2.065 to Ch.74.850 for total length 72.785 Km in the State of Uttar Pradesh, has been awarded to M/s GHV (India) Pvt. Ltd., through International Competitive Bidding (ICB) norms for the Up-gradation and development. The Contract Agreement No.115/UPCRNDP/ UPG/01/2019-20 was signed on 19th June 2019 and the EPC Contract Amount is of Rs. 262,39,50,000/.

SI. No.	Contract Package	Length (Km)	Completion Period (as per Contract)	Contract Agreement Date	Appointed Date (as per Contract)	Scheduled Completion Date (as per Contract)
1.	UPCRNDP/UPG/01/2018 Hamirpur - Rath Road (SH-42)	72.785	24 Months	19 th June 2019	25 th June 2019	23 rd June 2021

The Cumulative **Physical Progress** achieved is **99.3%** and **Financial Progress** **99.27%**.

18.2 Milestones

The completion of Part-1 works has been divided in 4 Milestones which are as follow;

Part-1 Mile Stone	Physical Works to be Completed as per Schedule-J	Period and Date of Completion			Status as on date
		Period in Days	Start Date	Scheduled End Date	
M-1	Stage Payments Statements for an amount not less than 10% of the Contract Price.	150	25/06/19	21/11/2019	Achieved on 17 th December 2019 Within the 30 days Cure period allowed in CA
M-2	Stage Payments Statements for an amount not less than 35% of the Contract Price.	330	25/06/19	19/05/2020	Could not be Achieved on Scheduled date due to" Force Majeure Event "However, achieved on 11-06-20 within the Cure period allowed in the Contract
M-3	Stage Payments Statements for an amount not less than 70% of the Contract Price	510	25/06/19	15/11/2020	Achieved on 29 th November 2020 within the Cure period allowed in the Contract.
M-4	Scheduled Completion of Project in all respect.	730	25/06/19	23/06/2021	Major Works Completed; Minor & Project Facilities works are Under progress

18.3 Salient Features

Salient Features of the Contract are enclosed as Annexure-A- Contract Data.

The works are being executed under EPC agreement. The work involves improvement of SH including geometric improvements and realignments to standard 2-lane carriageway with Paved Shoulders, as Typical Cross Section (TCS) of Contract;

18.4 Typical Cross Section

Application of Typical Road Cross Sections							
Cross Section Type	Application	Length (Km)	Width (m)				
			Carriageway	Paved Shoulder	Earthen Shoulder	Footpath cum Drain	Paver Block
TCS-1 A	Reconstruction + Widening	45.015	7	1.5	1	0	0
TCS-1 B	Overlay + Widening	21.070	7	1.5	1	0	0
TCS-2 A	Reconstruction + Widening	3.2	7	1.5	0	1.5	Varies
TCS-2 B	Overlay + Widening	1.8	7	1.5	0	1.5	Varies
TCS-3 A	Reconstruction + Widening	0.30	7	1.5	1	1.5	Varies
TCS-3 B	Overlay+ Widening	0.00	7	1.5	1	1.5	Varies
TCS-4 A	Reconstruction + Widening	0.620	7	1.5	0	1.0	Varies
TCS-4B	Overlay+ Widening	0.780	7	1.5	0	1.0	Varies
Total Project Length (Km)		72.785					

18.5 Consultant Mobilization

The project is being executed and managed within the Contract Management Framework (CMF) as described in the Contract Agreement.

18.6 Staff Mobilization

Mobilization of Resident Engineer's Office Staff for the Construction Supervision is below:

Resident Engineer Office, Contract Package-01 Hamirpur-Rath			
Sl. No.	Position	Name	Date of Joining
Technical Staff			
1	Resident Engineer	Mr. Jawahar Singh	01.10.2019
2	Assistant Highway Engineer-1	Mr. Anil Kumar Vidyarthi	23.07.2019
3	Assistant Highway Engineer-2	Mr. Ravish Kumar	03.08.2019
4	Assistant Bridge Engineer	Mr. Himanshu Thakkar	15.06.2020
5	Assistant Material Cum Quality Engineer-1	Mr. Praveen Kumar Sharma	05.08.2020
6	Assistant Quantity Surveyor-1	Mr. Kompella Srikanth	21.09.2020
7	Assistant Surveyor	Mr. Gopal Krishna Biswas	16.05.2019
8	Junior Construction Safety Expert	Mr. Umesh Ramraj Kaithal	04.06.2019
9	Junior Environment Specialist	Mr. Adish Jain	01.10.2020
10	Technician Field	Mr. Abhay Kumar	21.05.2019
11	Lab Technician	Mr. Anuraj Tiwari	15.05.2019
Administrative Support Staff			
12	Office Manager Cum Accountant	Mr. Siddhartha Shukla	16.12.2019
13	Computer Operator/Office Assistant	Mr. Akhilesh Chandra	01.02.2021
14	Office Assistant	Mr. Surendra Kumar	01.08.2019
15	Watchman	Mr. Prasant Soni	01.08.2019

18.7 Construction Activities

18.7.1 Site Possession and Utilities

The project work started on the Appointed Date on 25th June 2019 with 90.75% vacant/unencumbered Land available as per joint site inspection carried out on 19th/ 20th June 2019.

Site Possession as 100% of Project Length has been handed over to the Contractor by Authority through Memorandum MOM Dated 19.09.2019 for commencement of work.

18.7.2 Mobilization of Contractor

18.7.2.1 Base Camp Establishment

Contractor has established the Base Camp Office at Ch.57+000 LHS, Village-Bihuni along with Central Laboratory, Construction plants, Mechanical Work Shop and Workers Accommodation.

Base Camp Office Address:

GHV (INDIA) PVT.LTD,
 Base Camp, Bihuni Khurd
 Pargana, Muskara Tehsil,
 Maudha, Hamirpur – 210506
 PH No. 7060099481

18.7.2.2 Human Resources

Contractor has mobilized Key Staff as given below;

Sl. No.	Designation	Name
1	Project Manager	Mr. Sajaudeen Khan
2	Quantity surveyor	Mr. ZafarIqbal
3	Project Coordinator	Mr. Virender Singh
4	Planning Manager	Mr. SumanKumar
5	Highway In-charge	Mr. ShoebBhatt
6	Structure Engineer	Mr. AishKumar
7	Material Engineer	Mr. ShriHari Panda
8	Land Surveyor	Mr. PintuBehra
9	HighwayDesign Engineer	Mr. AlokAnandmani
10	Environmental specialist	Mr. Vishnu Prajapati(Safety Officer promoted as EHS Officer)

18.7.2.3 Plant and Machinery

Contractor has established following Construction plants at Base Camp except Crusher Plant.

Sl. No.	Plants Mobilized	In No.	Location	Make & Capacity	Date of Arrival
1	RMC 1	01	Ch.14+100 RHS	90Cum/hr	20.07.2019
2	RMC 2	01	Ch. 57+000 LHS	25Cum/hr	06.07.2019
3	Wet Mix Plants	01	Ch. 57+000 LHS	200 TPH	01.07.2019
4	Hot Mix Plants	01	Ch. 57+000 LHS	160 TPH	01.07.2019
5	Crushers	00	Not Established		Procuring from Pvt. Crusher

List of Key Plant and equipment is enclosed as **Annexure-C- Plant &Machinery Details**

18.7.2.4 Material

Contractor is procuring materials like Cement, Steel and Bitumen etc. from approved sources and aggregates from licensed private crushers. The List of material requirement and procured quantity is enclosed as **Annexure-D Material Procurement Statement**.

18.8 Work Progress

18.8.1 Design and Drawings

The List of drawings received and approved is enclosed as **Annexure-E Drawings Approval**.

18.8.2 Work Programme & EOT

The Contractor's Base Line Work Program approved.

Contractor has been advised to submit a revised work program. Plan & Program awaited from the Contractor.

Milestone-I achieved on 17th December 2019 on 26th day from the scheduled completion date.

Milestone-II achieved on 11th June 2020 on 22nd day from the scheduled completion date.

Milestone-III achieved on 29th Nov 2020 on 15th day from the scheduled completion date.

Extension of Time: The Milestone-II delayed due to Force Majeure Event Pandemic Disease Covid-19. Contractor has achieved MS-II and MS-III within the cure period of 30 days as per C.A. Clause 10.3.2.

Contractor had applied Extension of Time for this “Force Majeure Event” vide letter no GHV/Site/SH-42/Rath/469 Dated 08-07-2020 for 115 days. Authority Engineer has evaluated and recommended EOT to the Client vide letter no Egis India/HO/UPCRNDP/62348/2020 Dated 30-07-2020.

Client has approved for IEOT (Interim Extension of Time) for 71 days vide letter no 1503/1C(1)-WBPCK/2020 dated 22.12.2020 and the Engineer has confirmed to the Contractor.

18.8.3 Financial Progress

UPG-01 Hamirpur-Rath	Up to End of Previous Month		This Month		Cumulative	
	Target	Achieved	Target	Achieved	Target	Achieved
Amount (INR Cr)	236.44	232.6	9.62	27.88	246.06	260.48
In % age	90.12 %	88.64%	4%	10.63%	94.12%	99.27%

18.8.4 Stage Payment Statement (Interim Payment Certificate)

The Contractor has submitted Stage Payment Statement (SPS-16) against IPC-17 for the work done during the month of March 2021. Authority Engineer has reviewed & certified after scrutiny of SPS-16(IPC-17) for Payment.

(Interim Payment Certificate)

S. No.	IPC No	IPC for the Month	Recommended by the Engineer	Work done	Gross Amount including P.A	Net paid Amount for Current IPC (In Rs.)	Cumulative Amount Paid
1	1	Jun-19	26-06-2019	26,23,95,000	26,23,95,000	25,71,47,100	25,71,47,100
2	2	Nov-19	20-12-2019	10,80,90,664	10,80,90,664	9,62,00,691	35,33,47,791
3	3	Dec-19	25-01-2020	18,22,37,242	18,22,37,242	14,25,91,145	49,59,38,936
4	4	Jan-20	24-02-2020	9,44,78,096	10,59,97,311	6,98,37,606	56,57,76,542
5	5	Feb-20	02-03-2020	17,91,65,942	18,46,29,908	13,49,20,619	70,06,97,161
6	6	Mar-20	21-03-2020	13,85,70,115	13,85,70,115	5,47,89,166	75,54,86,327
7	7	Apr-20 & May-20	11-06-2020	14,60,32,188	14,60,32,188	13,06,98,808	88,61,85,135
8	8	Jun-20	09-07-2020	16,96,99,124	16,96,99,124	13,21,80,716	101,83,65,851
9	9	Jul-20	18-08-2020	10,86,50,263	11,89,38,865	7,69,00,283	109,52,66,134
10	10	Aug-20	16-09-2020	15,69,39,008	15,69,39,008	10,10,60,413	119,63,26,547
11	11	Sep-20	13-10-2020	18,47,64,780	18,47,64,780	13,88,67,485	133,51,94,032
12	12	Oct-20	04-11-2020	19,58,47,946	19,85,09,889	16,67,09,963	150,19,03,995

13	13	Nov-20	04-12-2020	10,42,17,510	11,41,04,181	9,99,59,344	160,18,63,339
14	14	Dec-20	06-01-2021	27,73,57,723	27,73,57,723	24,20,09,024	184,38,72,363
15	15	Jan-21	10-02-2021	10,76,05,245	11,89,02,565	10,17,87,804	194,56,60,167
16	16	Feb-21	08-03-2021	16,93,16,947	16,93,16,947	16,01,98,902	210,58,59,069
17	17	Mar-21	23-03-2021	410743987.00	436582746.00		
Total Amount				2736655251.00	2806493935.00		

18.8.5 Physical Progress

Physical Progress up to 31-03-2021									
Highway Physical Progress in Linear Length									
S No.	Description	Unit	Scope/ modified Scope	Work Done up to Previous Month	Progress During the Month			Work Done up to Date	Progress w.r.t Scope Work
					Length Achieved				
				Average	LHS	RHS	Average	Average	In %
1	Subgrade Top	Km	72.785	70.490	2.295	2.295	2.295	72.785	100.000%
2	GSB	Km	72.785	70.490	2.295	2.295	2.295	72.785	100.000%
3	WMM	Km	55.850	55.345	0.505	0.505	0.505	55.850	100.000%
4	DBM	Km	55.850	55.220	0.630	0.630	0.630	55.850	100.000%
5	DLC	Km	16.935	15.900	1.035	1.035	1.035	16.935	100.000%
6	PQC	Km	16.935	15.300	1.635	1.635	1.635	16.935	100.000%
7	BC	Km	55.136	53.355	1.781	1.781	1.781	55.136	100.000%
8	Earthen Shoulder	Km	59.285	44.000	8.800	7.550	8.175	52.175	88.007%

18.8.6 Structure Progress of Structure works during the Month of March -2021 as follows

S.N	Type of Structures	Revised Scope	Completed Up to Previous Month	Cumulative Completed Up to This Month	Work In Progress	Work Not Started	% Completion	Remarks
1	Minor Bridges (Reconstruction)	4	4	4	0	0	100	
2	Box Culverts (Reconstruction)	43	41	43	0	0	100	
3	HP Culverts (Reconstruction)	36	36	36	0	0	100	
4	Minor Bridge (Widening +Rep.)	0	0	0	0	0	0	
5	Culverts (Widening +Rep.)	28	26	28	0	0	100	
6	Repair of Structures	18	6	18	0	0	100	
	Total	129	113	129	0	0	100	

18.8.7 Additional Details

Further progress details may be found in:

Annexure - F, ChainageWise & Physical Progress details of Highway
Annexure - G, Bar Chart of Physical Progress of Highway
Annexure- H, Progress Strip Chart of Structure Bridges, HPC, Box and Slab Culvert
Annexure- I, Cross Road Culverts(Drain)
Annexure -J, S-Curve – Financial and Physical Progress
Annexure- K, Logistic Plan

18.9 Quality Control / Quality Assurance

Field laboratory established at base camp site. Details of Quality control tests and Source approvals carried out are presented in Annexure - L,

18.10 Meetings & Site Inspections

Details of Site Visits of Authority & Authority Engineer UPG/01 as on dated below :

- ❖ UPPWD Executive Engineer (E.E) visited the whole stretch Km.2+065 to Km.74+785 on date 13th March and resolved the R & R issue, Electric Pole, Hindrances which delays the works progress.
- ❖ UPPWD Executive Engineer (E.E) visited site on 25th March and conducted meeting for preparation of planning program to complete the works upto March-2021.
- ❖ UPPWD Chief Engineer (C.E) conducted virtual meeting on 23rd March for the status of all works such as Highway, Structures and instructed to follow SOP guidelines for Implementing Safety measures at Construction Zone.
- ❖ Authority Engineer Team Leader (T.L) conducted virtual meeting on date 25th March regarding the Physical & Financial Status of works and also focused on the Safety Guidelines which shall be implemented at site at Construction Zones.
- ❖ Authority Engineers Mr. Rajiv Ranjan Varma (Sr. Bridge Engineer) & Mr. Devbrat Singh (Sr. ENV Specialist) visited the site from 09th March to 12th March in order to check the status & progress off various works such as repair to structures, finishing work of structures and CPRS Structures Status and also instructed the Contractor to complete all works such as Safety arrangements at construction zone, ROW cleaning, Tree Plantation Programme & Joint inspection for Identification of Rain Water Harvesting and submission of proposal

18.11 Key Issues

General Site Related Issues:

- Instructed to the Contractor to speed up ROW Cleaning & Unlined Drains works with sufficient man-power & Machinery as per contract provisions.
- Instructed to Contractor to start the work of Boundary Pillar Markings & Installation.
- Instructed to the Contractor to speed up the structures' Rehabilitation works & finishing works such as floor protection, painting & numbering of all structures.
- Instructed to the Contractor to deploy adequate man power & machinery to speed up the Project Facilities Works such as Gantry Board/Bus Bay/Bus Shelter/Truck lay by/Road Side Furniture/Signages/over head gantry and also making of speed breaker/table top etc.

- **Safety Issues:** Contractor should enforce and make mandatory to use & wear of adequate PPE by the workers while working such as Helmets, Face masks, Reflective Jackets, Shoes, Gum-boots & Hand Gloves and follow up **SOP** issued for working at site. For Implementing Safety measures instructions have been given vide letter no. Egis India/RE UPG-01/UPCRNDP/558/2021.
- **EMP Compliances:** Construction Waste Management to be expedited by EPC contractor.
- **Permits:** Permission from concerned Licensing Authority to expedite by the Contractor. Ground water permit is still under process, DC's permission for earth borrow pits need to be obtained ref. Ref. UP Govt. Order no.1542/86-2020-153 (Sa)/ 2017 dated 18/09/2020
- **Enhancement Works:** Total 3 EMP enhancement site is provided in CA. Out of 3 EMP enhancements works 3 are under progress.
- **Environmental Issues:** Instructed the contractor to start the work for Tree Plantation/Rain Water Harvesting Pits as the location has been finalized from the authority office.
- **CPRS Structures:** Out of 13 nos CPRS structures approved 8 completed and 5 nos work is in progress.

19 CONTRACT PACKAGE UPG-03

19.1 Introduction

Contract Package **UPG-03**, Engineering, Procurement and Construction Contract for Up-gradation (Widening/Strengthening) of Gola -Shahjahanpur Section of SH-93 from design Ch. 1+280 to Ch. 58+580, has been awarded to **M/s APCO Infratech Pvt. Ltd.**, Gurgaon, for a Contract Amount of **Rs. 356,90,00,000.00**. The Contract Agreement No.116/UPCRNDP/CEEAP/2019-20 were signed on 26.06.2019 and appointed date is 11.11.2019.

Sl. No	Contract Package	Length (Km)	Completion Period (as per Contract)	Contract Agreement Date	Commencement Date (as per Contract)	Scheduled Completion Date (as per Contract)
1.	UPCRNDP/UPG/03/2014 Gola-Shahjahanpur Road (SH-93)	57.535	24 Months	26 th June 2019	11 th November 2019	09 th November 2021

The Cumulative Physical Progress achieved 63.82% up to March-2021, Financial Progress is 59.54% up to March -2021

The Project work includes the Up-gradation (Widening/Strengthening) of existing Carriageway, that is 2 lanes with paved shoulder in the stretch from Design Chainage (1+280) to (59+380), and maintenance and Defect Liability Period (DLP) for 5 years.

19.2 Milestones

The Completion of Works has been divided in Four Milestones are as follows:

Milestone	Physical Works to be Completed as per Schedule-J	Period and Date of Completion			Status as on date
		Period in Days	Start Date	Scheduled End Date	
M-1	Stage Payments Statements for an amount not less than 10% of the Contract Price.	150	11/11/2019	08/04/2020	Achieved on 20 th March 2019
M-2	Stage Payments Statements for an amount not less than 35% of the Contract Price.	330	09/04/2020	05/10/2020	Achieved on 4 th November-20 within the 30 days, Cure period allowed in the Contract
M-3	Stage Payments Statements for an amount not less than 70% of the Contract Price	510	06/10/2020	03/04/2021	Under progress
M-4	Scheduled Completion of Project in all respect.	730	04/04/2021	09/11/2021	-

19.3 Salient Features

Salient Features of the Contract are enclosed as Annexure-A- Contract Data.

19.4 Description of Works

The works are being executed under EPC agreement. The work involves improvement of SH-93 including geometric improvements and realignments to standard 2-lane carriageway with Paved Shoulders, as Typical Cross Section (TCS) of Contract.

19.4.1 Typical Cross Section

Application of Typical Road Cross Sections							
Cross Section Type	Application	Length (Km)	Width (m)				
			Carriageway	Paved Shoulder	Earthen Shoulder	Footpath cum Drain	Paver Block
TCS-1 A	Reconstruction + Widening in Rural Section	26.897	7	1.5	1	0	0
TCS-1 B	New Construction + Widening in Rural Section	2.960	7	1.5	1	0	0
TCS-1 C	Strengthening with B.C. + Widening in Rural Section	20.287	7	1.5	1	0	0
TCS-2A	Reconstruction + Widening in Urban Section	6.103	7	1.5	0	1.5	Varies
TCS-2B	Strengthening with B.C. + Widening in Urban Section	0.945	7	1.5	0	1.5	Varies
TCS-3	Strengthening with B.C. + Widening in Urban Section/Semi Urban Section	0.343	14	0	0	1.5	0
Total Project Length (Km)		57.535					

19.5 Consultant Mobilization

The project is being executed and managed within the Contract Management Framework (CMF) as described in the Contract Agreement.

19.6 Staff Mobilization

Mobilization of Resident Engineer's Office Staff for the Construction Supervision is below:

Resident Engineer Office, Contract Package-03 Gola – Shahjahanpur			
Sl. No	Position	Name	Date of Joining
Technical Staff			
1	Resident Engineer	Mr.Anjani Kumar	03.05.2019

Resident Engineer Office, Contract Package-03 Gola – Shahjahanpur			
Sl. No	Position	Name	Date of Joining
2	Assistant Bridge Engineer	Mr. Rajesh Kr. Singh	02.01.2021
3	Assistant Highway Engineer-1	Mr. Abhishek Pandey	22.05.2019
4	Assistant Highway Engineer-2	Mr. Ram Pratap Singh	20.01.2020
5	Assistant Material Cum Quality Engineer-1	Mr. Ranjit Barua	09.06.2019
6	Assistant Quantity Surveyor	Mr. Abhinav Raghav	08.06.2019
7	Assistant Surveyor Engineer	Mr. Gyanendra Singh	15.05.2019
8	Junior Construction Safety Expert	Mr. Vinay Kumar Tiwari	03.10.2019
9	Technician Filed-1	Mr. Satpal Singh	02.01.2021
10	Lab Technician-1	Mr. Ranjan Kumar Singh	01.08.2019
11	Junior Environmentalist	Mrs. Archana Vaishya	17.06.2020
Administrative Support Staff			
12	Office Manager	Mr. Manish Kumar Dixit	13.05.2019
13	Computer Operator	Mr. Satya Prakash Dwivedi	11.12.2019
14	Office Assistant	Mr. Sumit Pal	07.08.2019
15	Watchman	Mr. Sachin Shukla	26.08.2019

19.7 Construction Activities

19.7.1 Site Possession and Utilities

More than 90.00% of Project Length has been handed over to the Contractor by the Authority vide letter No. 2044/EAP/WB/UPG-03/2018 Dated 11.11.2019 for commencement of work.

19.7.2 Mobilization of Contractor

19.7.2.1 Base Camp Establishment

Contractor has established the Base Camp Office at Ch.39+600 LHS, Village-Kheriyajat Lakhanpur including Central Laboratory, Construction Plants, Mechanical Work Shop and Workers Accommodation.

Base Camp Office Address:

M/S APCO Infratech Pvt. Ltd.

KM Stone -39, Sh-93, Village Kheriyajat Lakhanpur,

Post-Gorkan, Tehsil-Mohammadi,

Dist.-Lakhimpur Kheri

19.7.2.2 Human Resources

Contractor has mobilized Key Staff listed in table below;

Sl.	Designation	Name	Date of Joining
1	Project Manager	Mr. Arabind Kumar Singh	01-02-2021

2	Highway Engineer	Mr. Shubha RanjanPattanaik	11-11-2019
3	Material Engineer	Mr. Lokeswar Rao Killamsetty	02-05-2019
4	Quantity Surveyor	Mr. Dheer Singh	02-12-2019
5	Land Surveyor	Mr. NarendraYadav	20-04-2019
6	Mechanical Equipment Maintenance Engineer	Mr. Rami Reddy LV Shiva	30-09-2019
7	Bridge Engineer	Mr. Bulbul Prashad Yadav	02-05-2019
8	ESHS Officer	Mr. Ashok Kumar	18-06-2020

19.7.2.3 Plant and Machinery

Contractor has established following Construction Plants at Base Camp location Ch. 39+600 (LHS).

Sl. No.	Plant Mobilized	No.	Location	Make & Capacity
1	Batching Plant	01	Ch.39+600LHS	30Cum/Hr.
2	Wet Mix Plant	01	Ch.39+600 LHS	160 TPH
3	Hot Mix Plant	01	Ch.39+600 LHS	200 TPH
4	Crushers	-	Not Established	

List of Key Plant and equipment is enclosed, Refer Annexure-B- Plant & Machinery Details.

19.7.2.4 Material

Contractor is procuring materials like Cement, Steel and Bitumen etc. from approved sources and aggregates from licensed private crushers. The List of material requirement and procured quantity is enclosed as **Annexure-D Material Procurement Statement**.

19.8 Work Progress

19.8.1 Structure Drawing Design Status

The List of drawings received and approved is enclosed as **Annexure-D Drawings Approval**.

19.8.2 Work Programme and EOT

- ❖ Contractor's Revised Work Program Rev-04 w.r.t grant of 71days EOT is received vide letter no. APCO/WB- UPPWD/EGIS/ST/451 Dated 15.03.2021. The same has been reviewed by the Resident Engineer and advised to the Contractor to furnish the additional information to completing EMP and CPR works within EOT period along with comments for correction in program for COS works vide Letter No. Egis India/RE UPG-03/UPCRNDP/402/2021 Dated 20.03.2021.
- ❖ Contractor had applied for Interim Extension of Time (IEOT) for 162 days due to PandemicCOVID-19 Force Majeure Event vide APCO Letter No. APCO/WB-UPPWD/EGIS/ ST/267 Dated 20th July 2020. Authority Engineer evaluated and recommended IEOT for 71days vide our letter No. Egis India/LKO/UPCRNDP/ 2021/1190 Dated 08.02.2021.
- ❖ Client in Principal has granted IEOT-1 for 71days vide letter No.171/EAP/WB/UPG-04/2018 Dated 16-01-2021 stating that there should be No Additional Financial Implications/ Claims to the Employer. The same is communicated to the Contractor by T.L office letter no. Egis India/LKO/UPCRNDP/2021/1190 Dated. 08.03.2021.

However, the Contractor has requested to Authority Engineer for re-evaluation of IEOT-1 for 162days vide letter no.APCO/WB-UPPWD/EGIS/ST/425 dated 15.02.2021. The Authority Engineer has communicated to the Contractor with details of evaluation and eligibility of EOT-1 of 71Days vide letter ref. no. Egis India/HO/UPCRNDP/67880/2021 Dated.15.03.2021 for accepting the revised date for completing the Project, which is awaited

19.8.3 Financial Progress:

UPG/03 Gola-Shahjahanpur SH-93	Up to End of Previous Month w.r.t WP-Rev.03		This Month		Cumulative up to Date	
	Target	Achieved	Target	Achieved	Target	Achieved
Amount (in Cr.)	229.40	180.75	18.43	31.77	247.84	212.52
In % age	64.27%	50.64%	5.16%	8.90%	69.44%	59.54%

19.8.4 Stage Payment Statement (Interim Payment Certificate)

The Contractor has submitted IPC- 10 for the month of March- 2021 for AE's review& process.

IPC No.	IPC for the month of	Send by the Engineer	Payment Date	Gross Amount w.r.t. Contract (INR)	Gross Amount including P.A (INR)	Net Amount (INR)	Remarks
IPC-1	Mobilization	3.12.19	11.12.19	35,69,00,000	35,69,00,000	34,97,62,000	Mobilization
IPC-2	Up to March-2020	20.03.20	30.03.20	36,08,47,913	36,81,38,192	32,76,42,990	Work done
IPC-3	Up To 30 th June 2020	16.07.20	09.07.20	20,86,49,854	24,85,68,803	22,12,26,235	With Release withheld amount
IPC-4	Up To 31 st August 2020	08.09.20	23-09-20	32,44,37,745	32,44,37,745	28,87,49,593	Work Done
IPC-5	Up To 30 th September 2020	13.10.20	27-11-20	17,64,31,181	17,64,31,181	7,14,73,543	Recovery of Mobilization Advanced 1St Installment (8,00,00,000)
IPC-6	Up To 04 th November 2020	20.11.20	21-11-20	18,32,45,895	17,27,55,501	44,79,718	Recovery of Mobilization Advanced 2ndInstallment (15,00,00,000)
IPC-7	Up To 07 th December 2020	08.12.20	21-12-20	14,53,89,061	14,53,89,061	4,28,162	Mobilization Advance Recovered

IPC-8	UpTo 03 rd February 2021	08.02.21	15-2-21 &6-3-21	14,98,46,799	14,98,46,799	19,35,81,805	Release Retention Money Up to IPC 07 Amount (6,40,54,938)
IPC-9	UpTo 03 rd March2021	08.03.21	18-03-21	25,86,59,732	25,86,59,732	22,56,82,998	Work Done
IPC-10	UpTo 22 nd March 2021	24.03.21	26-03-21	31,77,23,325	31,77,23,325	27,45,21,107	Work Done
Total (Project Cost-356,90,00,000) =				212,52,31,505	216,19,50,339	160,77,86,151	Excluding Mobilization payment (IPC-01)
Total (In %age) w.r.t Contract Price =				59.55%	60.58%	45.05%	

19.8.5 Physical Progress

A. Road Works: Progress of road works during the month is shown as below:

Highway Physical Progress in Linear Length									
Sl.	Description	Unit	Scope	Work Done up to previous Month	Progress During the Month			Work Done up to Date	Progress w.r.t Scope Work
					Length Achieved				
			Average	LHS	RHS	Average	Average	In %	
1	Subgrade Top	Km	57.535	48.22	3.30	3.038	3.169	51.389	89.32
2	GSB	Km	57.535	47.70	2.50	4.6	3.55	51.250	89.07
3	WMM Top	Km	57.535	44.46	5.6	5.6	5.6	50.20	87.25
4	DBM Top	Km	57.535	42.09	5.9	5.9	5.9	47.99	83.41
5	BC	Km	57.535	0.00	3.5	3.0	3.25	3.25	5.65

B. Structure Works: Progress of Structure Works during the month is shown as below:

S.No.	Type of Structure	Unit	Scope in Nos	Completed Up to Previous Month	Completed During this month	Cumulative Completed	Under Progress	Progress in %
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1	Major Bridge (Re-Construction)	No.	01	0	0	0	01	50.00%
2	Minor Bridges (Reconstruction)	No.	04	1	1	1	03	25.00%
3	Cattle Under Pass	No.	03	0	2	2	01	66.67%
4	Box Culverts (New/Re-Construction)	No.	19	18	0	18	00	94.74%
5	HP Culverts (New/Re-Construction)	No.	17	16	0	16	00	94.12%
6	MNB (Widening +Repairing)	No.	03	1	0	1	02	33.33%
7	Culverts (Widening Repairing)	No.	36	28	0	28	01	77.78%
8	Repair of Structures	No.	15	0	0	0	09	00.00%
Total		No.	98	64	2	66	17	

19.8.6 Additional Details

Further progress details may be found in:

Annexure - E, Chainage Wise & Physical Progress Details of Highway

Annexure – F, Bar Chart of Physical Progress of Highway

Annexure - G, Progress Strip Chart of Structure Bridges, HPC, Box and Slab Culvert

Annexure - H, Cross Road Culverts (Drain)

Annexure -I, S-Curve – Financial and Physical Progress

Annexure- J, Logistic Plan

19.9 Quality Control / Quality Assurance

Field laboratory established at Base Camp Site. Details of Quality Control Tests and Source Approvals carried out are presented in **Annexure – K**.

19.10 Meetings & Site Inspections

Site Inspection & meeting by Environment Expert (Devbrat Singh, T.L Office) between 1-03-2021 to 05-03-2021

19.11 Key and Potential Issues

- ❖ Hindrance of underground HT cables in the town of Mohammadi has been resolved and Contractor started working on this section.
- ❖ Structures: Revised Drawing submissions (Box Culvert -01 Nos.) is awaited.
- ❖ Cattle Under Pass (CUP) in RF area under Change of Scope (COS) their cost estimation is under review.
- ❖ Contractor has installed an additional unit (Coal Based Burner) system with Hot Mix Plant - Contractor assured to remove from site in 1st Week of April-2021.

- ❖ Contractor has been advised to obtain DC's permission ASAP for all identified Borrow Areas before operation.
- ❖ Contractor instructed to expedite the CPR structures to enhance Public Relations.
- ❖ Contractor reminded that all pile tests must be carried out as per the MORTH Specification.
- ❖ Contractor warned of the slow progress on the minor bridges and additional resources to be mobilized to speed up the works.
- ❖ Contractor reminded to be proactive for the approvals of factories and material source for Road Marking, road signs, MBCB, road studs etc to reduce the risk element of completing works as per CA.

19.12 Weather Report

Weather report for the reported period is shown in **Annexure-M**

20 **CONTRACT PACKAGE UPG-04**

20.1 Introduction

Contract Package **UPG-04**, Engineering, Procurement and Construction Contract for Up-gradation (Widening/Strengthening) of Badaun-Bilsi-Bijnaour Section of SH-51 from Km.58+400 to Km.137+820, has been awarded to **M/s GAWAR Construction Ltd., Gurugram** through ICB Bidding norms for up-gradation and development. The Contract Agreement No.117/UPCRNDP/CEEAP/2019-20 were signed on 5th July 2019 and the EPC Contract Price is **Rs. 334, 00, 00,080.00**.

Sl. No	Contract Package	Length (Km)	Completion Period (As per Contract)	Contract Agreement Date	Commencement Date (As per Contract)	Scheduled Completion Date (As per Contract)
1.	ICB No. UPCRNDP/UPG/04/2018 Badaun-Bilsi-Bijnaour Road (SH-51)	79.125	730 days	5 th July 2019	4 th November 2019	2 nd November 2021

The Cumulative Physical Progress achieved is 75.03% and Financial Progress is 74.25% up to 28th March-2021.

The Project work includes the Up-gradation (Widening/Strengthening) of existing carriageway maintenance and Defect Liability Period (DLP) for 5 years.

20.2 Milestones

The completion of EPC works has been divided in 4 milestones which are as follow;

Part-1 Mile Stone	Physical Works to be Completed as per Schedule-J	Period and Date of Completion			Status as on Date
		Period in Days	Start Date	Scheduled End Date	
M-1	Stage Payments Statements for an amount not less than 10% of the Contract Price.	150	04/11/2019	01/04/2020	Milestone-I achieved on 02.06.2020. within Cure period allowed in the contract. Delayed due to lockdowns imposed due to pandemic Covid-19.
M-2	Stage Payments Statements for an amount not less than 35% of the Contract Price.	330	04/11/2019	28/09/2020	Achieved on Date 28 th September 2020
M-3	Stage Payments Statements for an amount not less than 70% of the Contract Price	510	04/11/2019	27/03/2021	Achieved on 25 March-2021
M-4	Scheduled Completion of Project in all respect.	730	04/11/2019	02/11/2021	Under progress

20.3 Salient Features

Salient Features of the Contract are enclosed as Annexure-A- Contract Data.

20.4 Description of Works

The works are being executed under EPC agreement. The work involves improvement of SH including geometric improvements and realignments to standard 2-lane carriageway with Paved Shoulders, as Typical Cross Section (TCS) of Contract;

20.4.1 Typical Cross Section

Application of Typical Road Cross Sections							
Cross Section Type	Application	Length (Km)	Width (m)				
			Carriageway	Paved Shoulder	Earthen Shoulder	Footpath cum Drain	Paver Block
TCS-1 A	Reconstruction + Widening in Rural Section	63.277	7	1.5	1	0	0
TCS-1 B	New Construction + Realignment	1.14	7	1.5	1	0	0
TCS-2	Reconstruction + Widening in Urban/Semi Urban Section	13.849	7	1.5	0	1.5	Varies
TCS-3	Reconstruction + Widening in Urban/Semi Urban Section	0.859	7.5x2	0	0	1.5	Varies
Total Project Length (Km)		79.125					

20.5 Mobilization of Consultant

20.6 Staff Mobilisation

Mobilization of Resident Engineer's Office Staff for the Construction Supervision is below:

Resident Engineer Office, Contract Package-04Badaun-Bilsa-Bijnaour			
Sl. No.	Position	Name	Date of Joining
Technical Staff			
1	Resident Engineer	Mr. Deepak Kumar	08.11.2019
2	Assistant Highway Engineer-1	Mr.Pramod Kumar Singh	02.08.2019
3	Assistant Highway Engineer-2	Mr. Suresh Chand	04.11.2019
4	Assistant Bridge Engineer	Mr.Amit Kumar	02.08.2019
5	Assistant Material Cum Quality Engineer-1	Mr.Abhay Kumar Giri	03.01.2020
6	Quantity Surveyor-1	Mr.Hunny Kumar	12.06.2019

Resident Engineer Office, Contract Package-04Badaun-Bilsa-Bijnour			
Sl. No.	Position	Name	Date of Joining
7	Assistant Surveyor-1	Mr.Sachin Kumar	03.12.2019
8	Junior Construction Safety Expert	Mr. ShubhankarNayak	25.01.2021
9	Junior Environment Specialist	Mr. Shiv Kumar	24.02.2020
10	Technician Filed-1	Mr. Rajeev Yadav	14.11.2019
11	Lab Technician-1	Mr. Krishna Kumar Keshri	13.11.2019
Administrative Support Staff			
12	Office Manager Cum Accountant	Mr. Sachin Soni	23.11.2019
13	Computer Operator/Office Assistant	Mr. Sachin Kumar	01.09.2020
14	Office Assistant	Mr.Nakul Singh	04.10.2019
15	Watchman	Mr.Amit Kumar	27.11.2019

20.7 Construction Activities

20.7.1 Site Possession and Utilities

Client through the memorandum dated 04.11.2019 handed over to the Contractor more than 90% un-encumbered land and issued the Appointed Date as 04 Nov 2019 for the procurement of design team, commencement of initial investigation, survey, design and drawings of works and execution of up-gradation and construction works.

100% encumbrance free land handed over to the Contractor.

Details will be presented in enclosed Format, **Refer Annexure-B- Encumbrance List**

Details will be presented in enclosed Format, **Refer Annexure-B- Encumbrance List**

20.7.2 Mobilization of Contractor

20.7.2.1 Base Camp Establishment

Contractor has established the Base Camp Office at Ch.102+200LHS, Village-Dehpa along with Central Laboratory, Construction plants, Mechanical Work Shop and Workers Accommodation.

Base Camp Office Address:
 GAWAR Construction Ltd.
 Village-Dehpa, P.O Dehpa
 The & Dist-Shambhal
 (UP)-244302

20.7.2.2 Human Resources

The Contractor mobilised key staff is listed in table below;

Sl.	Designation	Name	Remarks
1	Sr. Project Manager	Mr. Vivek Sharma	
2	Project Manager	Mr. Mukesh Kumar	
3	Dy. Project Manager	Mr. Buntly Shaw	
4	Highway Engineer	Mr. Mangat Ram	
5	Material Engineer	Mr. Kehari Singh	
6	Quantity Surveyor	Mr. Arvinder Kumar	
7	Land Surveyor	Mr. Manjeet Singh	
8	Mechanical Equipment Maintenance Engineer	To be Appointed	
9	Environmental cum Road Safety Manager	Mr. Sushant Kumar Sharma	
10	Bridge Engineer	Mr. FarhanBaqi	

20.7.2.3 Plant and Machinery

Contractor has established following Construction Plants at Base Camp Location Ch. 102+200 (LHS) & Concrete Batching Plant @ Ch.95+740 RHS.

Sl. No.	Plants Mobilized	No.	Location	Make & Capacity	Date of Commissioning
1	Batching Plants	01	Ch.95+740 RHS	Akona CP-30	Oct-19
2	Wet Mix Plant	01	Ch.102+200 LHS	Apollo100 TPH	Jan-20
3	Hot Mix Plant	01	Ch.102+200 LHS	Apollo 200 TPH	Feb-20
4	Crushers	00	Not Established	-	Procuring from Pvt. Crusher

List of Key Plant and equipment is enclosed, **Refer Annexure-C- Plant &Machinery Details.**

20.7.2.4 Material

Contractor procured materials like Cement, Steel, and Bitumen etc. from approved sources and aggregates from licensed private crushers. Shortfall of procurement of material recorded for this month. The List of material requirement and procured quantity is enclosed as in **Annexure-D Material Procurement Statement**

20.8 Work Progress

20.8.1 Design and Drawings

The List of drawings received and approved is enclosed as **Annexure-E Drawings Approval.**

20.8.2 Work Programme &Interim Extension of Time (IEOT)

- Work Programme Approved by AE vide letter No. Egis-India/RE UPG-04/UPCRNDP/043/2020 Dated 10.01.2020.
- In Principal the EOT has been granted by the Client for 69 days.

- Contractor has submitted the revised work program. Revised work program has commented by Authority Engineer.

20.8.3 Financial Progress

UPG/04 Badaun-Bilsi- Bijnaour	Up to End of Previous Month		This Month		Cumulative up to Date	
	Target	Achieved	Target	Achieved	Target	Achieved
Amount (in Cr.)	287.39	212.63	18.30	35.45	305.69	248.08
In % age	86.02%	63.64%	5.47%	10.61	91.50%	74.25%

20.8.4 Stage Payment Statement (Interim Payment Certificate)

Contractor has submitted the (SPS-11) IPC-12 for the month of March-2021 and same has been finalized by Authority Engineer for the Payment.

IPC No.	IPC for the month of	Recommended by the Engineer	Payment Date	Gross Amount	Gross Amount including P.A	Net Amount (In Rs)	Remarks
IPC-01	Mobilization	26.11.19	08.12.19	33,40,00,000	33,40,00,000	32,73,20,008	Mobilization
IPC-02	Up to Jan 2020 (75% Payment)	10.02.20	17.02.20	7,67,36,583	7,67,36,583	4,95,39,413	Work done
IPC-02	Up to Jan 2020 (25% Payment)	20.02.20	27.02.20	---	---	1,65,13,138	Work done
IPC-03	Up to 9.03.2020	21.03.20	21.03.20	14,66,86,595	14,66,86,595	12,55,28,582	Work done
IPC-04	Upto 30.06.2020	09.07.20	10.07.20	28,74,28,280	28,74,28,280	25,58,11,169	Work done
IPC-05	Upto 31.07.2020	10.08.20	14.09.20	23,32,88,164	23,32,88,164	20,27,39,847	Work done
IPC-06	Upto 31.08.2020	11.09.20	16.09.20	21,62,38,074	21,62,38,074	17,66,00,436	Work done
IPC-07	Upto 30.09.2020	16.10.20	21-10-20	24,81,69,609	27,55,36,150	16,26,74,863	Work Done
IPC-08	Upto 31.10.2020	06.11.20		12,62,70,612	12,62,70,612	2,81,70,167	Work Done
IPC-09	Upto 27.12.2020	29.12.20	30-12-20	33,24,03,577	33,24,03,577	13,30,10,697	Work Done
IPC-10	Upto 31.01.2021	09.02.21	10-02-21 & 06-03-21	22,08,22,439	22,08,22,439	19,15,88,376	Work Done
IPC-11	Upto 28.02.2021		06-03-21	23,83,16,074	23,83,16,074	20,86,50,395	Work Done
IPC-12	Upto 31.03.2021		25-03-21	35,45,16,284	35,45,16,284	34,97,58,820	Work Done
Cumulative Amount Up to date (In Rs.)				2480876291	2508242832	1900585903	Excluding Mobilization payment (IPC-01)
Total (In %age) w.r.t Contract Price =				74.28%	75.10%	56.90%	

20.8.5 Physical Progress

Highway Physical Progress in Linear Length									
Sl.	Description	Unit	Scope	Work Done up to Previous Month	Progress During the Month			Work Done up to Date	progress w.r.t Scope Work
					Length Achieved				
				Average	LHS	RHS	Average	Average	In %
1	Subgrade Top	Km	79.125	72.06	5.10	5.10	5.10	77.16	97.52%
2	GSB	km	79.125	72.06	5.10	5.10	5.10	77.16	97.52%
3	WMM Top	Km	79.125	68.37	6.70	6.70	6.70	75.07	94.87%
4	DBM	Km	79.125	66.41	6.46	6.60	6.53	72.94	92.18%
5	BC	Km	79.125	0.00	11.02	11.02	11.02	11.02	13.93%

Structure Works: Progress of Structure works during the month is shown as below;

Sl. No.	Type Of Structures	Scope As Per CA	Revised Scope	Completed Up to Previous Month	Cumulative Completed Up to This Month	Work In Progress	Work Not Started	%Completion	Remarks
1	Minor Bridges Reconstruction	2	2	0	0	2	0	0.00%	
2	Box Culverts Reconstruction	11	11	9	10	0	1	90.90%	Floor Protection Work not Started
3	HP Culverts Reconstruction	69	69	69	69	0	0	100.00%	Floor Protection Work not Started
4	Slab Culvert Reconstruction	6	6	4	5	0	1	83.33%	Floor Protection Work not Started
5	MNB(Widening+Rep .)	1	1	0	1	0	0	100.00%	Floor Protection Work not Started
6	Culverts (Widening+Rep .)	19	19	16	18	0	1	89.47%	Floor Protection Work not Started
7	Repair of Structures	4	4	0	0	2	2	0.00%	
	Total	112	112	98	103	4	5		

20.8.6 Additional Details

Further Progress Details May Be Found in;

Annexure - F, Chainage Wise& Physical Progress Details of Highway

Annexure – G, Bar Chart of Physical Progress of Highway

Annexure - H, Progress Strip Chart of Structure Bridges, HPC, Box and Slab Culvert

Annexure - I, Cross Road Culverts(Drain)

Annexure -J, S-Curve – Financial and Physical Progress

Annexure- K, Logistic Plan

20.9 Quality Control / Quality Assurance

Field laboratory established at Base Camp Site. Details of Quality Control Tests and Source Approvals are presented in **Annexure – L.**

20.10 Meetings & Site Inspections

- Site Visit of SBE Mr. Rajiv Ranjan Verma & Environmental Specialist Mr. Devbrat Singh Egis India on 18.03.2021 to 20.03.2021.
- Virtual meeting held with CE and PD on dated 23rd March 2021

20.11 Key Issues

- Contractor has submitted the revised Program and Plan to achieving Milestone-3 and eventually for completing the entire project works. Expired on 1st April, 2020. Authority Engineer reviewed the revised programme and commented.
- The Contractor has been granted 69 days of Interim Extension of Time (IEOT) due to the lockdowns imposed nationwide in April & May 2020, to prevent spread of Pandemic COVID-C19.
- The Contractor instructed to expedite the construction of CPR structures and complete all 11 no ASAP to prevent disharmony in the public relation.
- The Contractor reminded to enhance safety in the work zone areas by providing additional Flag men.
- The Contractor advised to accelerate the works on 2 Box type minor bridges as these are on critical path of the work programme to complete the project within the Contract Schedule with the IEOT.

20.12 Weather

Weather Report for the reported period is shown in **Annexure-N.**

ENVIRONMENT, SOCIAL, HEALTH AND SAFETY

21 ENVIRONMENT, SOCIAL, HEALTH AND SAFETY

21.1 Introduction

This Environment-Social-Health-Safety Section of this report is for all the Four Contract Packages. It has been prepared to ensure that the EMP implementation is being carried out by the EPC Contractors, in accordance with the Project requirements.

To achieve the required environmental management standards, the Contractor of each project has been prepared the Environment and Social Management Plan (ESMP) which are approved by the Authority Engineer (AE)/ Construction Supervision Consultant (CSC) in accordance with the proposed mitigation measures recommended by the Project Management Consultant (PMC).

21.2 ESHS Issues Concerned and Corrective Actions Taken

The Issues as noticed and conveyed to the Contractors during this month by the Authority Engineer are as below:

21.2.1 Statutory Compliance

Brief Status of permits for Plants is depicted below in Table A:

Table A- UPPCB Clearance						
Package	Status of Permission HMP and CBMP Plants					
	HMP – CTO			CBMP – CTO		
	Capacity	Approval	Validity	Capacity	Approval	Validity
UPG-01	160TPH	16-01-20	31-07-22	30 Cum	16-01-20	31-07-22
				90 Cum	13-10-20	31-03-21
UPG-02	Project Completed – Plants are demobilized from Site					
UPG-03	200TPH	15-01-20	31-12-21	60 Cum	15-01-20	31-12-21
UPG-04	160TPH	27-02-20	31-07-22	30 Cum	27-02-20	31-07-22
Package	Status of Permission WMM and CRUSHER Plants					
	WMM – CTO			CRUSHER – CTO		
	Capacity	Approval	Validity	Capacity	Approval	Validity
UPG-01	120TPH	13-10-20	31-03-21	NA	NA	NA
	200TPH	Not Installed	NA			
UPG-02	200TPH	01-08-19	31-07-20	NA	NA	NA
UPG-03	160TPH	15-01-20	31-12-20	NA	NA	NA
UPG-04	100TPH	27-02-20	31-07-22	NA	NA	NA

Note:

UPG-01- CTO obtained for all established plants; Since, the permissions for additional WMM Plant mobilized at Ch. 29+400 RHS (200-TPH) could not be obtained from Licensing Authority; the Contractor has now demobilized the Plant; Contractor has been advised to submit the renewal copies of CTO expired in March-2021.

UPG-02- Contractor has to identify another source (Plants) to execute works of O&M period (If required). In conformity of both quality and environmental specifications & standards.

UPG-03 – CTO granted for all established plants; Validity renewed up to 31-12-2021

UPG-04- CTO granted for all established plants.

21.2.2 Essential Project Insurances

Brief Status of essential Insurances is depicted below in Table-B.

Package	Table B -Status of Insurance Coverage					
	Employees Compensation (WC) Policy		Contractor's All Risk (CAR) Policy.		Public (3rd Party) liability Insurance	
	Insurer	Valid	Insurer	Valid	Insurer	Valid
UPG-01	IFFCO-TOKIO GENERAL INSURANCE CO.LTD	19-04-21	IFFCO-TOKIO GENERAL INSURANCE CO.LTD	31.07.21	IFFCO-TOKIO GENERAL INSURANCE CO.LTD/3212 3941	31.07.21
UPG-02	LIBERTY GENERAL INSURANCE LTD.	19-11-21	The New India Insurance Co. Ltd.	01-08-21	The New India Insurance Co. Ltd.	01-08-21
UPG-03	FUTURE GENERAL INDIA INSURANCE COMPANY LIMITED	03-04-21	The New India Insurance Co. Ltd.	10-05-26	The New India Insurance Co. Ltd.	10-05-26
UPG-04	LIBERTY GENERAL INSURANCE LTD.	18-11-21	ICICI Lombard General Insurance Company Ltd.	03-11-21	ICICI Lombard General Insurance Company Ltd.	03-11-21

21.2.3 Aggregate Procurement

All the Contractors are procuring the sized aggregate materials from Government's Approved sources with the payment of applicable Royalty. The payment of Royalty is being verified by the Client from concerned District Mining Department as per U.P. State Govt. Order No. 115(1)/86-2020 dated 15th January, 2020 to ensure the materials are procured from authentic source with applicable requisite compliances.

21.2.4 Borrow Areas

SEIAA Permit for Borrow Area Operation is exempted by both Merck and State Govt. for the Extraction or sourcing or borrowing of ordinary earth for the linear projects such as roads, pipelines etc. Brief status of Borrow Pits shown below:

Table-C: Summary of the selected Borrow Areas of the Contractors w.r.t EMAP.								
Contract Package	Total No. of Borrow Areas Identified	No. of Borrow Areas approved w.r.t. EMP	No. of Borrow Areas				Rehabilitated	Balance for Rehabilitation
			Exhausted	Ongoing	Yet to be started	Qty. still Balance for use		
UPG-01	36	31	21	2	2	6	21	NIL
UPG-02	47	38	38	0	0	0	38	NIL
UPG-03	36	35	23	4	3	5	17	6
UPG-04	36	29	19	3	5	2	12	7
Total	155	133	101	9	10	13	88	13

Note: UPG-2 Contractor has submitted the NOC for all the exhausted borrow pits. EPC contractors have been advised to expedite the Redevelopment works.

21.2.5 Unresolved Issues:

Field assessment and pending issues continue from previous months:

21.2.5.1 ESHS Cell/ Staff:

All EPC Contractors have mobilized ESHS Staff - resolved.

Table D -ENVIRONMENT MANAGEMENT SYSTEM CELL					
ORGANISATION		UPG-01	UPG-03	UPG-04	UPG-02
(i)	Environment Cell (Employer)	MR. MUNNI LAL VERMA (Environment & Social Specialist - Executive Engineer; Mob.No.+91 9450577618) Dr. SEEMA SRIVASTAVA (Independent Consultant - Environment; Mob. No.+91 8887896070) Mr. P.N.ROY (Independent Consultant - Social; Mob. No.+91 9779117558)			
(ii)	Supervision Consultant (PMC/AE) at Team Leader Office	Mr. DEVBRAT SINGH (Environment Specialist - Mobilized on 13th April 2019; Mobile No.+91 9900034246; Mail ID: devbrat.s@egis-india.com)			
(iii)	Jr.Environment Specialist (AE) at Resident Engineer Office	Mr. Adish Jain (from 01-10-2020)	Miss ArchanaVaishya; Mob. No. +91 7838379982 (From 17-06-2020)	Mr.Shiv Kumar Pipal; Mob. No. +91 7827742923 (From 24-02-2020)	Mr. KaramveerRana; (Resigned (Oct-19)/ Demobilized)

(iv)	Contractor's ESHS Officer:	Mr. VishnuPraja pati; Mob.704092263 5 (EMS Qualification Enhanced) (From 02-09-2020)	Mr. Ashok Kumar; Mob.7081205007) Appointed as EHS Officer (From 18-06-2020).	Mr. Sushant Kumar Sharma (20 th Januray 2021)	Mr. Vijay Sigh Rajput; Mob. 8077181209 (Demobilized in July-2020)
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21.2.5.2 Flyash

Package	Table-E: Status of Fly Ash utilization			
	Estimated Qty.		Contractor's Progress Status	
	Qty. (Cum)	Identified Nearest Source	Used Qty. (Cum)	Remarks
UPG-01	0	NA	NA	NA
UPG-02	19000	Panki-Kanpur Thermal Power Plant	17367	Closed - NO Further scope to use Fly Ash
UPG-03	24180	Reliance ROSA Thermal Power Plant	NA	NO Surplus Fly Ash available
UPG-04	12860	NTPC-Dadari; UPRVUNL-Harduaganj;	0	Proposed location for use of fly ash is obsolete, since both bridge is being constructed on existing alignment. Resolved
Total	56040		17367	38673

21.2.5.3 Environmental Enhancement

UPG/01 Environment Enhancement sites are verified – Contractor's proposal is approved.

UPG/02 Both environmental enhancement site work is completed.

UPG/03 Revised Drawing reviewed and approved by AE; Construction of bathing Ghat at Pond initiated.

UPG/04 Revised Drawing reviewed and approved by AE; Construction of bathing Ghat at Pond initiated.

Package	Table-F: Status of Environmental Enhancement in Numbers							
	Numbers	Chainage	side	Existing Structure	Trees with Guard	Bench	Bathing Ghat	Status
UPG/01	3	5+300	LHS	Temple	10	NIL	NIL	Drawing reviewed & approved by AE.
		5+800	RHS	Pond	15	NIL	NIL	
		7+700	RHS	Temple	25	4	NIL	
UPG/02	2	123+000	LHS	Temple	4	3	NIL	Completed

		165+000	LHS	Temple	4	4	NIL	Completed
UPG/03	3	9+300	RHS	School	16	NIL	NIL	Drawing reviewed and approved by AE.
		28+000	LHS	Pond	NIL	4	1	
		52+000	LHS	School	15	NIL	NIL	
UPG/04	2	61+500	LHS	Pond	NIL	4	1	New Hawankund, Ex. Temple enha. (wall & Slab & 1 Chabutra. Draw. reviewed & approved.
		103+300	LHS	Temple	NIL	0	NIL	
Total	10	0	0	0	89	19	2	

21.2.5.4 Other Construction Work Sites Related Issues:

UPG/02: Project works completed in all respect Final Completion Certificate issued to the Contractor, Contractor has further extended his Base Camp Lease Agreement valid till 7th May, 2021 for the PART-2 O&M works.

Avenue Tree Plantation shall be initiated by the Forest Department in consultation with Client/PWD.

UPG/03: DFO South Kheri demanded the provisions of 3 (Ch.12+870, Ch.13+546 & Ch.15+205, – Wild Animal /Cattle Animal Underpass in the Reserve Forest Area Sections (Ch.12+000 to Ch.13+800 & Ch.14+680 to Ch.16+065); CUP work is in progress at Ch. 12+870 and Ch. 15+205 with provisions of appropriate precaution (steel container for workers shelter) from Cattle/wild animal.

Redevelopment of Exhausted Borrow Area: UPG-02 Redevelopment works are completed and Completion NOC obtained from respective land owners.

EPC Contractors has now been initiated the redevelopment works of exhausted borrow area.

Removal of Construction Waste/ unserviceable Materials: UPG-02 Removal of waste materials from site is completed; at Contractor's base camp extended to retain for O&M works (up to 07th May, 2021). **UPG-03** Two waste disposal sites are identified & approved, disposal of materials started. **UPG-01 and UPG-04** the removal and safe disposal of unserviceable materials is to be plan; Waste materials are being stock piled within ROW and designated locations within Camp Area.

21.3 ESMP/ESIP - Rating to the Contractor on Field Assessment:

All Contractors are following the Environment and Social Implementation Plan (ESIP) to protect the surrounding environment at both on site and off site to limit and minimize the damages from pollution and other activities of construction.

Table-H: The Performance of Contractors in this month					
Package	Contractor	E&S	OHS	Total - ESHS Performance	Ranking
UPG-01	M/s GHV (India) Pvt. Ltd.	6	7	12	2

UPG-02	M/s NKC Projects Pvt.Ltd.	Project Completed			NA
UPG-03	M/s APCO Infratech Pvt. Ltd.	8	8	16	1
UPG-04	M/s GAWAR Construction Ltd.	6	4	10	3
Total		20	19	38	
Abbreviation:	E&S: Environment and Social; OHS: Occupational Health and Construction Safety				

Note: The above numbers have been marked out of 10 for each activity based on input from our Field Key Staff.

21.4 Construction Stage Monitoring

The Authority Engineers' (AE/PMC) Environmental Expert and Social Expert from Team Leader Office have visited all the UPCRNDP Packages during this reporting month along with Contractor Representatives to examine the effect of Contract Environmental Management Plan (EMP).

21.5 Construction Site Management

21.5.1 Compliance Status of Environmental Safeguard

Table-I: Compliance Status of Environmental Safeguard Issues during Construction Activities - UPCRNDP-Phase-I Roads Development:			
Issues	Site Activity & Chainage (Km)	Observation	Proposed Corrective Action
Construction Site			
Soil Erosion	UPG-01: Ch.59+730	Bridge approaches have high embankment- Retaining wall construction are completed.Emb. Filling on approaches are in progress.	Maintenance of Shoulder and patches taken up.
	UPG-02: Project Completed	NIL	NIL
	UPG-03: Retaining wall	At Bridge Work sites Ch.12+500 (Gomti River) and Ch. 25+608 Vertical Deep Cut protected as recommended during last visit.	NO issues.
	UPG-04:	Traffic is moving on diversion at both Bridge locations (appr. Ch.120+468 & 130+020).	NO issues.
Top Soil Management	All EPC Contract Packages	Carried out at Borrow area; Top Soil as obtained from site from C&G are preserved within ROW.	Disposal sites to be identified for surplus unusable materials by UPG-01. UPG-03 & UPG-04– disposal site identified, work to be started.
Dust Pollution	UPG-01: Ch.59+730 Bridge	Dust Suppression – being carried out.	NO issues
	UPG-02: NIL	NIL – NA (Project work	NIL – NA (Project work

Table-I: Compliance Status of Environmental Safeguard Issues during Construction Activities - UPCRNDP-Phase-I Roads Development:

Issues	Site Activity & Chainage (Km)	Observation	Proposed Corrective Action
		completed)	Finished)
	UPG-03: Ch.16+000 to 54+000	Almost all unpaved c/covered with corresponding Bituminous layer - Dust problems are minimized;	Continue improvement is required wherever new work front planned to open.
	UPG-04: Bridges at Ch.120+468 & Ch.130+020; At Shambhal	All opened WMM layers are covered with DBM; dust emission noticed near both bridge approaches, and at start chainage in 8km of project length;	Improvement in water sprinkling & existing road condition is required.
Borrow Area Redevelopment (Specification Sub Clause 111.2 and 302.5.5)	UPG-01	Ref. above Table-C	To be expedite
	UPG-02: Item Rate Contract Package	Project Completed	Project Completed
	UPG-03	Ref. above Table-C; Redevelopment work started	To be expedite
	UPG-04	Ref. above Table-C; Redevelopment work started	To be expedite
Debris/ Unserviceable Material Disposal	UPG-02: Item Rate Contract Package	Disposal Sites Closed; However, 1-disposal site for camp site waste materials to be plan as the base camp retained for O&M Works.	Consent from land owner received and final closure will be reviewed on completion of Restoration of Camp.
	All EPC Contract Packages	UPG-03- Disposal site identified – disposal work started. UPG-01 & UPG-04 – Disposal site yet not identified and finalized.	UPG-03-NIL. UPG-01 & UPG-04 immediately waste disposal to be explore.
Scarified Bitumen Disposal	UPG-02: Disposed	Disposal sites are closed; closure NOC Received from the Contractor.	Closed; Project Completed
	EPC Contract Scarification / milling materials are stock piling in Camp area	UPG-01 Disposal sites yet not identified; UPG-03 & UPG-04: Contractor has planned to reuse materials as (Reclaimed Asphalt Pavement-RAP).	UPG-01 Disposal and reused quantity at site to be recorded.
Pollution Monitoring	Pollution has been conducted in all contract packages.	Air, water, Noise and Soil Monitoring for current quarter completed in all EPC Packages.	Results as received from UPG -01 , UPG-03& UPG-04all results are found within permissible limits.
Construction Plant Site			
Dust Pollution Control Measures	Plant Site - Quarry & Crusher Operation – Materials borrowed from	At all EPC Contract Package Dust Control equipment fitted with plants– found satisfactory;	For additional separate unit Coal based at HMP plant for burner (to heat aggregate) at UPG-03 – Contractor assured to remove in 1 st week of

Table-I: Compliance Status of Environmental Safeguard Issues during Construction Activities - UPCRNDP-Phase-I Roads Development:			
Issues	Site Activity & Chainage (Km)	Observation	Proposed Corrective Action
	licensed Quarry Plant operation and Road work		April-21.
Hazardous Material Management		All the EPC Contractors: 1. Discharge of used batteries – Handed over to the vendor 2. Spilled or leaked out fuel disposal – Avoided 3. Reuse of Bitumen Materials - Being used for Approach roads	Selected Vendor's documents received From UPG-01,UPG-03& UPG-04. Proper maintenance of waste generated, reuse and disposed records shall be maintained.
Fire & Electrical Safety		All the EPC Contractors: Fire Extinguisher – Provided Sand Bucket – Provided Electrical Safety - Complied PPEs for Workers –Not fully Complied	EPC Contract Sites: To provide Rubber Mat or Shoe / Slippers at the DG set Area and to enforce the usage of the same.
First Aid Facility		Provided by All EPC Contractors	Provision of First Aid materials to maintained as per specification.
PUC Certificate Vehicles		UPG-04 -No proper maintenance of records at Base Camp; UPG-01 &UPG-03 – record is being maintained.	To maintain records properly and to obtain for renewal of PUC Certificates. Regular verification of documents by the Contractor for timely renewal.
Base Camp			
Pollution, Health &Hygiene	Haulage access road	UPG-01, UPG-03& UPG-04: Haulage road build with milled scarified materials;	Found satisfactory
	Storage Activity	UPG-01 & UPG-03: Satisfactory; UPG-04: Improvement required	UPG-04- proper segregation & stocking procedure to be followed.
	House Keeping	Aesthetics & Hygiene – Moderate Satisfactory in UPG-01- due to empty bitumen drums-scrap materials sold; UPG-03 - Satisfactory; In UPG-04: Moderate Satisfactory – due to un-designated sites for store materials	To maintain proper house keeping with special attention at materials stock yards required.
	Storage of Oil Barrels	Leakage & Spillage of Oil - spillage has not been identified	To avoid leakage & Spillage by providing Sand / Saw dust bed beneath the barrels
	Workshop	Tool Box Talk & Training on	Report to be received as

Table-I: Compliance Status of Environmental Safeguard Issues during Construction Activities - UPCRNDP-Phase-I Roads Development:

Issues	Site Activity & Chainage (Km)	Observation	Proposed Corrective Action
	Activities	ESHS is being conducted by all EPC Contractors.	per CA-EMP
	Sanitation Facility & Hygiene	UPG-01 -Found Satisfactory at Base Camp, Poor at Ch.14+200- Site instruction issued; UPG-03 : Found Satisfactory – however separate walkway access for workers as advised is being provided; UPG-04 : Moderate Satisfactory –Toilet sun-hygienic; Soak pit & waste disposal Plan to be re-check by the Contractor.	Regular cleaning of toilets and camp/ mess area required to maintain hygienic condition.
	Solid Waste Disposal	UPG-01 Muskura Municipal consent received; UPG-02 : project completed- Final Closure plan to be receive on closure of Base Camp which further extended up to May-2021; UPG-03 disposal within camp site; 1-disposal site identified; UPG-04 - Municipal consent received;	Solid Waste Management found OK
	DG Operation	At all EPC Package: Electrical Safety – Complied Proper PPEs for Workers – Missing in UPG-04;	To provide Rubber Mat or Shoe / Slippers at the DG set Area and to enforce the usage of the same.
	Laboratory, Transportation, Storage & Kitchen Activity	UPG-01, UPG-03 & UPG-04: Found Satisfactory like Fire Extinguisher & Sand Bucket Placed	No Issues
	Health Checkup & HIV / AIDS - Health Awareness program	UPG-01, UPG-03 & UPG-04: Organized by the EPC Contractors	Report is awaited; will compile and submit for March -21 Quarter.

21.6 AIDE MEMOIRE (FEB 22-25,2021)

Second Implementation Support Review (Virtual Mission - Environmental Safeguard Management)
Compliance status represented below:

AM Ref.	Agreed Actions	Responsibility	Due Date	Compliance Status
Table 3	Summary of Agreed Actions (2nd Implementation Support Mission-Feb, 2021)			
22	Share plan for Plantation in rainy season	PWD /Contractors	QPR ending March 31, 2021	Plantation plan included in QPR (March, 2021); In UPG-01, UPG-03-

AM Ref.	Agreed Actions	Responsibility	Due Date	Compliance Status
				Plantation stretches are finalized to take-up all provided plants; UPG-04 partially sections are identified for this monsoon.
23	Confirm completion of follow-up actions for severe accident	PWD/ UPG-01 Contractor	March 31, 2021	Final Closure Report shared with Bank through Mail by CE/PWD; However if any updated report received from Contractor/PMC will be further updated to Bank.
24	Incorporate Bank comments on Phase 2 EIA, including inputs from Independent Environmental Review consultants	PWD/PMC	before sharing for Bank Review	Being complied
Table 4 Summary of Agreed Actions (Last mission) (1st Implementation Support Mission-July, 2020)				
23	Ensure mobilization of required environmental professional staff in each Phase 1 contract	Contractor, PMC, PWD	Aug 31, 2020	Completed Jan 2021
24	Confirm disclosure of C-ESMP for 3 EPC contracts on PWD website	PWD	July 25, 2020	Completed
25	Ensure due consideration of Environmental aspects in Phase 2 Roads, including timely mobilization of Independent Environmental Review consultants	PWD, PMC	Continuous	On-going
26	Compile and share with the Bank status of environmental grievances – numbers received, processed/addressed, resolved, and pending	PMC/ PWD	July 31, 2020	Completed
27	Confirm the numbers for tree-cutting and coordinate with Forest Department on the same	PWD	Aug 31, 2020	Completed
Annex 3 (2nd ISM)				
B. Environmental Safeguards				
5.	The mission had detailed discussions on environmental safeguard aspects of the project with PWD, PMC and Contractors' representatives. The discussion covered implementation progress in Phase 1 roads, review integration of environmental aspects in feasibility study of Phase 2 roads, and agreeing on actions to address environmental concerns identified during the	-	-	Issues as flagged during the mission for environmental safeguard for both Phase-1 and Phase-2 roads being implemented.

AM Ref.	Agreed Actions	Responsibility	Due Date	Compliance Status
	mission.			
EMP implementation in Phase 1 roads				
6.	UPG-02 (item rate contract) has been completed and is now under maintenance, while remaining three EPC contracts ¹ (EPC contract) are in different stages of implementation. The EMP implementation status in these contracts is discussed in detailed in following paragraphs.	-	-	-
(i)	Statutory clearance: The necessary permissions for operations of plants have been obtained from the UPPCB. However, some contracts have to obtain the permission for Ground Water abstraction and permission from the District Authorities (not Environmental Clearance) for borrow areas. These need to be expedited to ensure that there are no breaches of national / state requirements.	-	-	Being follow-up with Contractors for timely acquiring the necessary permissions; Updated status attached- Table-1 ; UPG-01 :GW permission applied for and permission from District Authorities available for 28 BAs out of 31 BAs (rest in process) UPG-03 :GW permission obtained and permission from District Authorities available for 30 BAs out of 35 BAs (rest in process) UPG-04 :GW permission applied for and permission from District Authorities available for 21 BAs out of 29 BAs (rest in process)
(ii)	Roadside Trees: Tree cutting numbers have been verified and it is confirmed that additional trees in UPG-01 were actually saplings with very small girth. There are no more tree cutting issues. About 59000 saplings need to be planted by the EPC contractors along the 3 roads, while about 4912 saplings have to be planted along UPG-02. Taking advantage of the coming monsoon rains, the mission advised that the coming weeks and months could be identified for planning and undertaking pre-plantation activities for completed stretches so that good time is available to ensure adequate survival rates.	-	-	Summary of Plantation plan attached- Table-2 ;

AM Ref.	Agreed Actions	Responsibility	Due Date	Compliance Status
(iii)	Borrow Area and Waste Management: While all 38 Borrow areas (BAs) for UPG-02 have been rehabilitated, for the remaining 3 roads, another 95 Bas are approved of which 48 are in use or not yet tackled. 37 have been rehabilitated and 9 are exhausted but yet not rehabilitated. The mission urged PWD to ensure that the Contractor submits full closure report to the satisfaction of the PMC for all the borrow areas used in the project, once their use is over and they are returned to the respective owners.	-	-	Being complied Updated status represented above and in our QPR.
(iv)	Safety of Workers and Road users as well as community: The mission expressed concern over the recent incidents along project roads: (a) 01 construction labour lost life due to exhaustion on UPG-01 (Hamirpur-Rath) in June 2020; (b) an overloaded truck overturned onto a passenger vehicle involving 2 fatalities and 4 injuries on UPG-03 (Gola-Shahjahanpur) in December 2020; and (c) a collision between 2 wheeler and light motor vehicle (SUV Bolero) from opposite direction on UPG-01 (Hamirpur-Rath) in January 2021. While the incidents at (b) and (c) were non work zone cases where no construction was in progress, Bank team has recommended to ensure that stringent safety and traffic management measures as per IRC and MoRTH guidance are followed on project roads during implementation. The Bank team has suggested that proper payment of compensation to the heirs of the deceased (in case (a)) and transfer of learnings to other contracts be undertaken to avoid repetition of similar incidents on priority.	-	-	Stringent safety and traffic management measures as per IRC and MoRTH guidance are being complied Further necessary advisory instructions are being regularly issued by the PMC and supervising AE to the Contractors for improvement of safety to avoid repetition of such incident.
(v)	Reuse of Material: 19,591cu.m of scarified aggregate is disposed as Reclaim Asphalt Pavement in UPG-03 and UPG-04, while in	-	-	Being Complied Detailed Report included in QPR March-21;

AM Ref.	Agreed Actions	Responsibility	Due Date	Compliance Status
	UPG-01 and UPG-02 is used for maintaining approach roads to camp and community, temporary diversion. Specifically, the UPG-01 contractor still needs to manage the surplus material stockpiling along the carriageway. The PMC needs to document the good practices reported during the mission discussion and PWD should share a consolidated report on the same with the Bank as part of the QPR for the period ending March 31, 2021.			
(vi)	Use of Fly Ash: Since the current alignment is being retained for the bridges in UPG-04, no use of ash will be possible as no new embankment is required. This has been confirmed and proper record of the same is being maintained by the PWD.	-	-	Record is being maintained by the PWD; Detailed Report included in QPR March-21;
(vii)	Community health and safety: The mission suggested PMC to identify all sites with potential risk to community health and safety due to flooding/erosion and maintain such sites considering upcoming monsoon season.	-	-	The majority of such risk is being closed during the currently executing civil works; However the all sites of potential risk (if any balance) shall be investigated before onset of monsoon.
viii)	Relocation of CPRs: In UPG-01, out of 20 listed religious structures 12 affected structures are approved by Authority Engineer for relocation. In case of UPG-03, 9 CPR structures are listed in the contract agreement and additional 8 CPRs have been identified for relocation after joint verification. The Design-drawing and construction plan for relocation of these 17 CPRs is awaited from contractor. While, joint verification with contractor is planned in end of July for UPG-04.	-	-	
(ix)	Rainwater harvesting structure: In UPG-02, 25 rainwater harvesting structures have been constructed. Now is the time for connecting these structures to drain and cleaning of, so that their	-	-	Being complied Summary is attached as Table-3

AM Ref.	Agreed Actions	Responsibility	Due Date	Compliance Status
	performance can inform remaining road contracts.			
(x)	Enhancement Measures: In UPG-02, except for tree plantation the other civil work at two locations as per approved enhancement plan is completed. The plans for enhancement are ready for all contracts except UPG-01. The mission recommended that this process not be delayed so that the local communities can see tangible commitment of the project and avoid delays as has happened in case of the pond in UPG-01.	-	-	Being Complied Detailed report included in our QPR.
(xi)	COVID-19 response and management: The PMC has informed that in all 3 EPC contracts, the contractors continue to implement measures like mandatory thermal scanning; provisions of hand wash, awareness training; sanitization of office, vehicle, accommodation; social distancing, providing nose mask etc. in compliance to SOP circulated by PWD.	-	-	Being Complied PMC / AE ensuring from all 3 EPC Contractors and 1 Item rate contractor the strict implementation of SOP guidelines for Covid-19.
(xii)	Grievance Redressal: The PMC and contractor informed that no grievance related to environment is received in the project. The contractors' representative further informed that while site specific complaints are handled by the contractor, those beyond the scope are forwarded to PWD through the Authority Engineer.	-	-	Being followed & recorded
(xiii)	Contractor EMP and Code of Conduct: The PMC informed that in all 3 EPC Contractor's EMP (C-EMP) has been approved and disclosed in PWD website. Further, it has been informed that employees of contractor are being sensitized about the Code of Conduct (CoC) on regular interval.	-	-	Being followed & recorded
(xiv)	Restoration plan for UPG-02: The Bank team reiterated the need to coordinate with contractor of	-	-	Being followed, monitored by PMC/AE & recorded

AM Ref.	Agreed Actions	Responsibility	Due Date	Compliance Status
	UPG-02 and to ensure that EMP activities are reflected in the contractor's Operation and Maintenance Manual as approved by the Authority Engineer.			
(xv)	The mission observed that good practices, EMP implementation progress, grievances, and non-compliances and actions are not adequately documented or captured. To streamline the EMP implementation monitoring and documentation, the PMC agreed to use the Environmental Management Information System already developed for the PWD.	-	-	Necessary steps taken by PMC/AE for timely updating the Environmental Management Information System (PMIS) as developed for PWD.

TABLE-1: STATUTORY PERMIT

S. No.	Key ESMP/Contract Agreement Requirements	Licensing Authority	UPG/01	UPG/02	UPG/03	UPG/04
1	Forest Clearance	Forest Department	Obtained for Stage-I Stage-II awaited	-	Obtained for Stage-I Stage-II awaited	Obtained for Stage-I Stage-II obtained on 10.1.2019
2	Tree Cutting Permission from concerned Division	State Forest Department	Permission obtained	Permission obtained	Permission obtained	Permission obtained
3	Approved Contractor Environmental & Social Management Plan (C-ESMP)	Contractor	Approved and uploaded on PWD Website	Approved and uploaded on PWD Website	Approved and uploaded on PWD Website	Approved and uploaded on PWD Website.
4	Labour License	Labour Department	Available-Validity 03/09/2019 to 02/09/2021	Available-Validity 26/04/2018 to 26/04/2021	Available-Validity 02/01/2020 to 10/11/2021	Available-Validity 19/11/2019 to 17/11/2021
5	Workmen Compensation Policy	Insurance Company	Available-Validity till 19/04/2021	Available-Validity till 19/11/2021	Available-Validity till 03/04/2021	Available-Validity till 18/11/2021
6	Contractor All Risk Policy	Insurance Company	Available-Validity till 31/07/2021	Available-Validity till 01/08/2021	Available-Validity till 10/11/2021	Available-Validity till 03/11/2021
7	Hot Mix Plant -CTO (Air)	UPPCB	Available-Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
8	Hot Mix Plant - CTO (water)	UPPCB	Available- Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
9	Ready Mix Concrete-CTO (Air)	UPPCB	Available- Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
10	Ready Mix Concrete - CTO (Water)	UPPCB	Available- Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022

					31/12/2021	
11	Wet Mix Plant -CTO (Air)	UPPCB	Available- Validity till 31/03/2021	Demobilized	Available- Validity till 31/12/2021	Available-Validity till 31/07/2022
12	Wet Mix Plant - CTO (Water)	UPPCB	Available- Validity till 31/03/2021	Demobilized	Available- Validity till 31/12/2021	Available-Validity till 31/07/2022
13	DG Sets	UPPCB	Granted but Details not covered in CTO	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
14	Ground Water Permission	Central Ground Water Authority	3rd time Applied to DC w.r.t new guidelines - Permission Awaited	Demobilized	CGWA permission available-Validity 04/05/2020 to 03/05/2022	3rd time Applied to DC w.r.t new guidelines - Permission Awaited
15	Hazardous Waste Management Permission	UPPCB	M/s Kathooria Petro Products engaged for oil & grease.	M/s Kathooria Petro Products engaged for oil & grease.	Bharat Oil & Waste Management Ltd.	M/s RAMKY Waste Management Unit
16	HSD Storage- DC Permission/ IOCL	DC & PESO	DC permission is available. (Valid till Project Period)	Demobilized	PESO permission dated 02/03/2020 is available. (validity till 31/12/2022)	PESO permission dated 09/12/2019 is available. (validity till 31/12/2021)
17	PUC Certificates	State Transport Department	Available	Available (O&M Vehicles & Machineries)	Available	Available
18	Borrow Area Permission	DC (Mining Department) and SEIAA	Farmers MOU & Mining permissions available for all borrow pits SEIAA permission now not required	Closed	Farmers MOU & Mining permissions available for all borrow pits SEIAA permission now not required	Farmers MOU & Mining permissions available for all borrow pits SEIAA permission now not required
19	Quarry/Crusher Permission (Entire Aggregate materials are being out sourced by all UPCRNDP Contractors)	Dept. of Mines & Geology and State PCB	Lease Document & CTO is available for out sourced materials	Closed	Lease Document & CTO is available for out sourced materials	Lease Document & CTO is available for out sourced materials
20	ISO 14001 and OHSAS 18001 certification (within one year from the award for contract)	Authorized ISO Certifying Agency	Obtained -ISO 14001 and ISO 18001 Valid till 07/11/2021	Not Applicable	Obtained -ISO 14001 Valid till - 27/08/2023 and ISO 18001 Valid till 11/03/2021; Audit to renew is under process	Obtained -ISO 14001 and ISO 18001 Valid till 10/02/2024
21	Signing Code of Conduct	Contractor	Signed	Not Applicable	Signed	Signed
S. No.	Key ESMP/Contract Agreement Requirements	Licensing Authority	UPG-01	UPG-02	UPG-03	UPG-04
1	Forest Clearance	Forest Department	Obtained for Stage-I Stage-II awaited	-	Obtained for Stage-I Stage-II awaited	Obtained for Stage-I Stage-II obtained on 10.1.2019

2	Tree Cutting Permission from concerned Division	State Forest Department	Permission obtained	Permission obtained	Permission obtained	Permission obtained
3	Approved Contractor Environmental & Social Management Plan (C-ESMP)	Contractor	Approved and uploaded on PWD Website	Approved and uploaded on PWD Website	Approved and uploaded on PWD Website	Approved and uploaded on PWD Website.
4	Labour License	Labour Department	Available-Validity 03/09/2019 to 02/09/2021	Available-Validity 26/04/2018 to 26/04/2021	Available-Validity 02/01/2020 to 10/11/2021	Available-Validity 19/11/2019 to 17/11/2021
5	Workmen Compensation Policy	Insurance Company	Available-Validity till 19/04/2021	Available-Validity till 19/11/2021	Available-Validity till 03/04/2021	Available-Validity till 18/11/2021
6	Contractor All Risk Policy	Insurance Company	Available-Validity till 31/07/2021	Available-Validity till 01/08/2021	Available-Validity till 10/11/2021	Available-Validity till 03/11/2021
7	Hot Mix Plant -CTO (Air)	UPPCB	Available-Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
8	Hot Mix Plant - CTO (water)	UPPCB	Available- Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
9	Ready Mix Concrete-CTO (Air)	UPPCB	Available- Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
10	Ready Mix Concrete - CTO (Water)	UPPCB	Available- Validity till 31/07/2022	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
11	Wet Mix Plant -CTO (Air)	UPPCB	Available- Validity till 31/03/2021	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
12	Wet Mix Plant - CTO (Water)	UPPCB	Available- Validity till 31/03/2021	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
13	DG Sets	UPPCB	Granted but Details not covered in CTO	Demobilized	Available-Validity till 31/12/2021	Available-Validity till 31/07/2022
14	Ground Water Permission	Central Ground Water Authority	3 rd time Applied to DC w.r.t new guidelines - Permission Awaited	Demobilized	CGWA permission available-Validity 04/05/2020 to 03/05/2022	3 rd time Applied to DC w.r.t new guidelines - Permission Awaited
15	Hazardous Waste Management Permission	UPPCB	M/s Kathooria Petro Products engaged for oil & grease.	M/s Kathooria Petro Products engaged for oil & grease.	Bharat Oil & Waste Management Ltd.	M/s RAMKY Waste Management Unit
16	HSD Storage- DC Permission/ IOCL	DC & PESO	DC permission is available. (Valid till Project Period)	Demobilized	PESO permission dated 02/03/2020 is available. (validity till 31/12/2022)	PESO permission dated 09/12/2019 is available. (validity till 31/12/2021)
17	PUC Certificates	State Transport Department	Available	Available (O&M Vehicles & Machineries)	Available	Available
18	Borrow Area Permission	DC (Mining Department) and SEIAA	Farmers MOU & Mining permissions available for all	Closed	Farmers MOU & Mining permissions	Farmers MOU & Mining permissions available for all

			borrow pits SEIAA permission now not required		available for all borrow pits SEIAA permission now not required	borrow pits SEIAA permission now not required
19	Quarry/Crusher Permission (Entire Aggregate materials are being out sourced by all UPCRNDP Contractors)	Dept. of Mines & Geology and State PCB	Lease Document & CTO is available for out sourced materials	Closed	Lease Document & CTO is available for out sourced materials	Lease Document & CTO is available for out sourced materials
20	ISO 14001 and OHSAS 18001 certification (within one year from the award for contract)	Authorized ISO Certifying Agency	Obtained -ISO 14001 and ISO 18001 Valid till 07/11/2021	Not Applicable	Obtained -ISO 14001 Valid till - 27/08/2023 and ISO 18001 Valid till 11/03/2021; Audit to renew is under process	Obtained -ISO 14001 and ISO 18001 Valid till 10/02/2024
21	Signing Code of Conduct	Contractor	Signed	Not Applicable	Signed	Signed

TABLE-2: AVENUE PLANTATION PLAN

UPG/01: Hamirpur-Rath road SH-42: Jointly Inspected on 10th & 11th March-2021									
S. No.	Design Chainage		Side	Length in Rm	Plantation strategy - As per CA number of Plants @ 3m C/C				
	Start	End			Number of Rows w.r.t Selected side	Available linear length (in Rm) for Plantation	Proposed Number of Trees		
1	4.175	5.275	BHS	1100	2	2200	733		
2	6.025	7.700	BHS	1675	2	3350	1116		
3	11.325	13.600	BHS	2275	2	4550	1515		
4	14.200	16.000	LHS	1800	1	1800	599		
5	23.000	25.000	BHS	2000	2	4000	1332		
6	36.000	40.300	BHS	4300	2	8600	2864		
7	42.000	46.400	BHS	4400	2	8800	2930		
8	55.225	57.885	BHS	2660	2	5320	1772		
9	64.900	65.944	BHS	1044	2	2088	695		
10	68.800	73.900	BHS	5100	2	10200	3397		
Total Available Length & proposed number of Trees for Plantation				26354		50908	16952		
UPG/03: Gola-Shahjahanpur road SH-93: Jointly Inspected on 1 st March-2021 to 5 th March-2021									
S. No.	Design Chainage		Proposed Locations for Tree plantation				Plantation strategy - As per CA number of Plants @ 3m C/C (Number of Trees Planned for Sapling)		
	Start	End	Side	Length in Rm	No. of sides	Available linear length (in Rm) for Plantation	Trees in 1st Row	Trees in 2nd Row	Total Trees
1	22.600	23.200	BHS	600	2	1200.0	400		400
2	24.300	24.750	BHS	450	2	900	300		300
3	36.200	37.500	BHS	1300	2	2600	866		866
4	37.880	41.500	LHS	3620	2	7240	2411		2411
5	41.500	41.700	BHS	200	2	400	133	133	266
6	41.700	43.400	BHS	1700	2	3400	1132		1132

7	46.450	46.750	BHS	300	2	600	200		200
8	47.900	49.150	BHS	1250	2	2500	833		833
9	51.350	52.050	BHS	700	2	1400	466	466	932
10	52.050	52.200	BHS	150	2	300	100		100
11	52.200	53.000	RHS	800	1	800	266		266
12	53.000	53.450	BHS	450	2	900	300		300
13	53.450	54.600	BHS	1150	2	2300	766	766	1532
14	55.300	55.750	BHS	450	2	900	300	300	599
15	56.150	57.150	LHS	1000	1	1000	333		333
16	56.750	57.000	RHS	250	1	250	83		83
Total Available Length & proposed number of Trees for Plantation				14370		26690	8888		10553
UPG/04: Badaun-Bilsi-Bijnour SH-51: Jointly Inspected on 10th & 11th March-2021									
Details are under re-verification and preparation by the Contractor's team as along the Project corridor at various locations Nursery and Orchids (especially for Mango) are exists. Therefore, it is required to reexamine the proposed sites for better survival of proposed Avenue Plantation. The final list will be shared with Client ASAP.									

TABLE-3: RAINWATER HARVESTING

Table-3: Rain Water Harvesting Structures Status						
Package		RWH As per Contract Provision		Contractor's Progress Status		Remarks
		Estimated nos.	Approved nos.	Drawing Approval	Completed	
UPG/01	Hamirpur-Rath	162	121	Approved	NIL	Joint Verification done on 10th & 11th March-2021.
UPG/02	Garautha-Chirgaon	25	25	Approved	25	Performance will be monitored during coming monsoon season
UPG/03	Gola-Shahjahanpur	137	114	Approved	NIL	Joint Verification done on 1st to 5th March-2021.
UPG/04	Badaun-Bilsi-Bijnour	144	122	Approved	NIL	Joint Verification done from 17-03-21 to 20-03-21
Total		468	382	0	25	

22 CONSTRUCTION SAFETY MONITORING AND COMPLIANCE REPORT

CONSTRUCTION SAFETY MONITORING AND COMPLIANCE REPORT							
S.No.	REQUIRED DATA		UPG-1	UPG -3	UPG- 4	UPG- 2	TOTAL
	Description	Unit	Month of Feb .21	Month of Feb. 21	Month of Feb. 21	Month of Feb. 21	
SAFE MAN-HOURS ACHIEVE STATUS							
1	Average No. of Employees / Day Deployed at Project site (Skilled & Unskilled)	Nos	260	373	147	25	805

2	Man-hours worked / Day (as above)	Hrs	2080	2984	1176	200	6440
3	Man-hours worked during this month (Excluding Sunday & Holiday)	Hrs	49920	71616	28224	1600	151360
PROJECT CRASH DATA REPORT							
1	First Aid Incidents	Nos	3	2	0	0	5
2	Category (a) Incident: Involving Project Person or Project Machinery						
a	Fatal Incidents occurred at construction zone involving Project person/machinery	Nos	0	0	0	0	0
b	Major Injury	Nos	0	0	0	0	0
c	Minor Injury	Nos	0	0	0	0	0
d	Number of Near misses/ dangerous occurrences (including Property damage)	Nos	0	0	0	0	0
3	Category (b) Incident: Involving Public / Road Users adjacent to Work zones						
a	Fatal Incidents occurred at construction zone involving public	Nos	0	0	0	0	0
b	Major Injury	Nos	0	0	0	0	0
c	Minor Injury	Nos	0	0	0	0	0
d	Number of Near misses/ dangerous occurrences (including Property damage)	Nos	0	0	0	0	0
4	Category (c) Incident: Involving Public / Road Users beyond Work zones						
a	Fatal Incidents occurred at non-construction zone involving Public	Nos	0	0	0	0	0
b	Major Injury	Nos	0	0	0	0	0
c	Minor Injury(Road Incident Data)	Nos	1	1	0	0	2
d	Number of Near misses/ dangerous occurrences (including Property damage)	Nos	0	0	0	0	0

PROJECT ROAD SAFETY IMPLEMENTATION STATUS							
1	Road safety education and training	Nos	6	10	2	1	19
2	Percentage of compliance to unsafe acts & unsafe conditions	Nos	100%	100%	100%	100%	100%
3	Number of Mock drill conducted	Nos	0	0	2	0	2
4	Awareness program conducted (Award / Reward to Worker / Engineers)	Nos	0	6	4	0	10
5	Any new activity launched.	Nos	0	0	1	0	1
Note:- All data as provided by the contractor and verified by AE's Field Staff. UPG-02 (Garautha-Chirgaon) Project completed; O&M Period is Under Progress.							

22.1 Road Safety Project Implementation Status

ROAD SAFETY IMPLEMENTATION STATUS				
Vision Plans to Minimize Accidents				
S.No	Project Name	Plans Description	Contractors Submission Date/ Letter No	AE's Approval Date and Letter No
1	UPG-01-HR-SH-42	Traffic Safety Management Plan(Rev-01)	GHV/Site/SH-42/Rath/197 Dated 14.10.2019	Egis India/RE-UPG-01/UPCRNDP/120/2019 Dated 04.12.2019
2	UPG-03 GSP-SH-93	Traffic Safety Management Plan (Rev-01)	APCO/Site/SH-93/GSP/ Letter No.59 dated 19.11.2019	Egis India/RE-UPG-03/UPCRNDP/ Approval Letter No. 33 dated 20.11.2019
3	UPG-03 GSP-SH-93	Diversion Plan for the Construction zone of project Highway. (Rev-00)	APCO/Site/SH-93/GSP/ Letter No.51 dated 06.11.2019	Egis India/RE-UPG-03/UPCRNDP/ Revision Letter No. 19 dated 13.11.2019
4	UPG-03 GSP-SH-93	Diversion Plan for the Construction zone of project Highway.(Rev-01)	APCO/Site/SH-93/GSP/ Letter No.58 dated 19.11.2019	Egis India/RE-UPG-03/UPCRNDP/ Approval Letter No. 32 dated 20.11.2019
5	UPG-04 BBB SH-51	Traffic Safety Management Plan	GCL/CAMP/SH-51/BBB/2020/131	Approved
6	UPG-04 B-B-B SH-51	Diversion Plan for the Construction zone of	GCL/Camp/SH-51/BBB/2020/399	Approved

		project Highway.		
7	UPG-02 G-C SH-42	Project Completed: Traffic Safety and Control Plan included in "Operation and Maintenance" Manual	O&M - NKC/Site/2020-21/GC/892 dated. 27-07-2020	Egis India/LKo/UPCRNDP/2020/934 dated 29.07.2020

CERTIFICATION & IMPLEMENTATION OF ISO STANDARDS

1	UPG-01-HR-SH-42	ISO 14001 & ISO 45001	GHV/Site/SH-42/Rath/559 Dated 05-10-2020	ISO 14001 and ISO 45001 Valid till 07/11/2021
2	UPG-03 GSP-SH-93	ISO 14001 & ISO 18001	APCO/WB-UPPWD/EGIS/ST/291 Dated 05-09-2020	ISO 14001 Valid till - 27/08/2023 and ISO 18001 Valid till 11/03/2021
3	UPG-04 B-B-B SH-51	ISO 14001 & ISO 45001	GCL/Camp/SH-51/BBB/2021/518 Dated 12-02-2021	ISO 14001 Valid till - 10/02/2024 and ISO 45001 Valid till 10/02/2024
3	UPG-02 G-C SH-42	Project Completed -Not Applicable	NIL	NIL

CURRENT MONTH AE'S OBSERVATIONS & COMPLIANCE STATUS

Before Executing any Activity, Safety Representative of AE (Egis) and concerned Field Engineer go through the RFI and Site Safety Arrangement as per provided Check list. If found satisfactory, Contractor permitted to proceed with the works. If not (RFI hold/rejected), and contractor informed to implement the safety in conformity of required Safety standards, which are then re- inspected prior to starting the works.

ROAD SAFETY EDUCATION & TRAINING FOR ALL PROJECT EMPLOYEES

Sl. No	Project Name	Description of program	Training provided by	No. of Person
1	UPG-01-HR-SH-42	Safety Induction (First-aid, Use the PPE's, & Working at heights)	GHV& EGIS (HSE)	10
2	UPG-01-HR-SH-42	Use the PPE's	GHV& EGIS (HSE)	100
3	UPG-01-HR-SH-42	Tool box talk	GHV& EGIS (HSE)	425
4	UPG-01-HR-SH-42	First-aid Training	GHV& EGIS (HSE)	4
5	UPG-01-HR-SH-42	Fire Extinguisher Inspection & Training	GHV& EGIS (HSE)	8
6	UPG-01-HR-SH-42	Vehicle Inspection & Training	GHV& EGIS (HSE)	16
S.No.	Project Name	Description of Program	Training provided by	Condition
1	UPG-02 G-C SH-42	Project Completed: Training on "How safely working on live road"	NKC & EGIS	20
S.No	Project Name	Description of program	Training provided by	No. of Person
1	UPG-03 GSP-SH-93	Adopted the safety measures during reinforcement works	APCO & EGIS (HSE)	12
2	UPG-03 GSP-SH-	General Safety Induction	APCO & EGIS (HSE)	12

	93			
3	UPG-03 GSP-SH-93	First-aid Training	APCO & EGIS (HSE)	9
4	UPG-03 GSP-SH-93	Health & hygienic	APCO & EGIS (HSE)	17
5	UPG-03 GSP-SH-93	Covid-19 Awareness	APCO & EGIS (HSE)	27
6	UPG-03 GSP-SH-93	Use the PPE's	APCO & EGIS (HSE)	29
7	UPG-03 GSP-SH-93	Flagmen training	APCO & EGIS (HSE)	9
8	UPG-03 GSP-SH-93	Code of conduct	APCO & EGIS (HSE)	13
9	UPG-03 GSP-SH-93	Manual handling Training	APCO & EGIS (HSE)	9
10	UPG-03 GSP-SH-93	General Health Checkup covid-19 & Health hygienic training awareness	APCO & EGIS (HSE)	31
Sl. No	Project Name	Description of program	Training provided by	No. of Person
1	UPG-04 B-B-B SH-51	Awareness training program conducted "How to use PPEs in working place"	GAWAR & EGIS (HSE)	40
2	UPG-04 B-B-B SH-51	Sign board and barricades provides in Culverts and drains for safety purposes	GAWAR & EGIS (HSE)	18
ROAD SAFETY INSPECTION BY AE's HSE TO PROJECT WORKING SITE				
S.No.	Project Name	Description of Program	Training provided by	Condition
1	UPG-01-HR-SH-42	Plant & Equipment Inspection Done	GHV & EGIS (HSE)	Satisfactory
2	UPG-01-HR-SH-42	Site SHE Inspection	GHV & EGIS (HSE)	Satisfactory
3	UPG-01-HR-SH-42	Electrical Inspection	GHV & EGIS (HSE)	Satisfactory
4	UPG-01-HR-SH-42	Work at Height Inspection	GHV & EGIS (HSE)	Satisfactory
Sl. No	Project Name	Description of program	Training provided by	No. of Person
1	UPG-02 G-C SH-42	Project Completed: Inspection of all work site done by UPG-01 Staff	NKC & EGIS	Satisfactory
Sl. No	Project Name	Description of program	Training provided by	No. of Person
1	UPG-03 GSP-SH-93	Fire Extinguisher Inspection	APCO & EGIS (HSE)	15 Cylinder
2	UPG-03 GSP-SH-93	Vehicle Inspection	APCO & EGIS (HSE)	60 Machineries & Vehicles
3	UPG-03 GSP-SH-93	Plant & Equipment Inspection Done	APCO & EGIS (HSE)	Satisfactory
4	UPG-03 GSP-SH-93	Electrical Inspection	APCO & EGIS (HSE)	Satisfactory

5	UPG-03 GSP-SH-93	Site SHE Inspection	APCO & EGIS (HSE)	Satisfactory
6	UPG-03 GSP-SH-93	Housekeeping Inspection	APCO & EGIS (HSE)	Satisfactory
7	UPG-03 GSP-SH-93	Plant & Equipment Inspection Done	APCO & EGIS (HSE)	Satisfactory
8	UPG-03 GSP-SH-93	Electrical Inspection	APCO & EGIS (HSE)	Satisfactory
9	UPG-03 GSP-SH-93	Site SHE Inspection	APCO & EGIS (HSE)	Satisfactory
10	UPG-03 GSP-SH-93	Work at Height Inspection	APCO & EGIS (HSE)	Satisfactory
11	UPG-03 GSP-SH-93	Fire Extinguisher Inspection	APCO & EGIS (HSE)	Satisfactory
Sl. No	Project Name	Description of program	Training provided by	No. of Person
1	UPG-04 B-B-B SH-51	Fire Extinguisher Inspection	GAWAR	8 CYLINDER
2	UPG-04 B-B-B SH-51	Vehicle Inspection	GAWAR	16 NOS
3	UPG-04 B-B-B SH-51	Plant & Equipment Inspection Done	GAWAR	Done
4	UPG-04 B-B-B SH-51	Electrical Inspection	GAWAR	Done
5	UPG-04 B-B-B SH-51	Site SHE Inspection	GAWAR	Done
6	UPG-04 B-B-B SH-51	Housekeeping Inspection	GAWAR	Done
7	UPG-04 B-B-B SH-51	Plant & Equipment Inspection Done	GAWAR	Done
8	UPG-04 B-B-B SH-51	Electrical Inspection	GAWAR	Done
9	UPG-04 B-B-B SH-51	Site SHE Inspection	GAWAR	Done
10	UPG-04 B-B-B SH-51	Work at Height Inspection	GAWAR	Done
11	UPG-04 B-B-B SH-51	Fire Extinguisher Inspection	GAWAR	Done

23 SOCIAL MONITORING AND COMPLIANCE REPORT

23.1 Introduction

The current report is the monthly Social Safeguard Monitoring Report prepared to comply with the loan covenants covering the period till February 2021 and with the implementation arrangements agreement between World Bank and UPPWD. The main objective of this report is to highlight the major activities related to Land Acquisition and resettlement under taken across all the packages during the reporting period. As a key part of its Social and Safeguards Contract Scope of works, the PMC Social Expert is required to submit a monthly & quarterly report for the task carried out during the project Implementation. A virtual meeting was arranged by the World Bank from 22nd to 25th February, 2021.

23.2 Social Monitoring Report

Out of Four Packages only, one namely UPG-3 requires land acquisition. The other packages UPG-1, UPG-2 & UPG-4 involve resettlement of Non-Title Holders only. The compensation of NTH Disbursement of Structures Compensation & R&R Assistance Squatters & Encroachers around 92% & for Kiosks around 90% has been disbursed. The land acquisition will impact nearly 92 Title Holders in UPG-3 (Gola-Shajahanpur). The project will require about 3.0375 ha of private land for completion of bridge approaches, out of which 2.2201Ha has been already acquired till February 2021. Total 67.39% of the proposed private land has been acquired and the balance land is under process because of the loan taken by some TH and are unable to get the NOC from the bank. All the resettlement planning documents related to above projects were disclosed.

The monitoring for the land acquisition and resettlement activities at field level is done by the NGO hired by UPPWD in all the packages. To meet the challenge of tedious and lengthy land acquisition process in the State, the PIU and NGO is assisting affected PAPs for monitoring involuntary resettlement and land acquisition.

23.3 RP Implementing NGO

M/S Development Institute for Systems Alternatives (NGO) based in Lucknow was appointed to assist PWD in land acquisition, resettlement and rehabilitation activities under UPCRNDP project. The services of above NGO awarded in under Contract No 123/1-13/UPCRNDP/CEEAP/2020 dated 21/10/2020 under IBRD- Loan No 8940-In.for implementation of Resettlement Plan (RP).

23.4 The Overall Summary of Compliance

Table 1: Proposed Roads in Phase-I

S. No.	Road/Works	Category	Length (km)	Remarks
1	UPG-01(Hamirpur-Rath)	SH-42	72.785km	EPC Contract
2	UPG-02 (Garautha-Chirgaon)	SH-42	49.145km	Item Rate Contract
3	UPG-03 (Gola-Shajahanpur)	SH-93	57.535km	EPC Contract
4	UPG-04 (Badaun-Bilsi-Bijnaour)	SH-51	79.125km	EPC Contract
Total Km			289.59Km	

Table 2: Impacts of the Project

Sl. No	Name of the Road	Title Holders	Non-Title Holder	Cultural Property Resources (CPR)
1	Hamirpur-Rath Road	-	439	13
2	Garautha – Chirgaon Road	-	122	2
3	Gola-Shahjahanpur Road	92	139	17
4	Badaun-Bilsi-Bijnaour Road	-	35	11
Total		92	735	43

Table 3: Status of Disbursement

Package	Disbursement of Structures Compensation and R&R Assistance (Non-Title Holders)								
	Total (SQ , EN)	Total Amount approved	Amount disbursed so far.				Total Amount disbursed	Balance amount to be Paid	Progress %
			I - Installment		II - Installment				
			(SQ , EN)	Amount disbursed	(SQ , EN)	Amount disbursed			
UPG-01	255	20,398,948	255	9963284	217	8718605	1.9E+07	1,717,059	91.58
UPG-02	85	17,766,443	84	8107803	73	8013938	1.6E+07	1,644,702	90.74
UPG-03	11	1,274,153	10	637077	10	619039	1256116	18,037	98.58
UPG-04	18	2,904,000	16	1154000	15	1061000	2215000	689,000	76.27
Total	369	42,343,544	365	19862164	315	18412582	3.8E+07	4,068,798	90.39

Total 439 PAPs were affected including 21 PAPs were increased due to improvement of junction with Kanpur Kabrai junction (NH 34), increase in extent of loss on affected structures of PAP, shifting of UPPCL transformer and at km 58.00 to 59.00 (Bridge location a retaining wall decided to be constructed as the embankment height is more than 6 metre.

*Note: The UPG-02 package stands completed, balance disbursement amount will be not paid due to minimization of social impact as therefore, no disbursement is pending.

Table 4: Status of Disbursement R&R Assistance (Kiosks)

Package	Disbursement of R&R Assistance (Kiosks)						
	Total Kiosks	Total Amount Approved (INR)	Amount disbursed so far		Balance amount to be Paid (INR)	Progress %	Remark
			Kiosks	Amount Disbursed (INR)			
UPG-01	184	920000	165	825000	95000	90	
*UPG-02:	37	185000	35	175000	10000	95	
UPG-03:	128	640000	115	575000	65000	90	
UPG-04	17	85000	9	45000	40000	53	
Total	366	1830000	324	1620000	210000	89	

*Note: The UPG-02 package stands completed; balance disbursement amount will not be paid as 2 number of kiosk are not traceable. It has been confirmed by the other PAPs that these 2 kiosks have been shifted somewhere else. Therefore, no disbursement is pending in this category.

Table 5: Status of Land Acquisition

Package	Disbursement of Land Compensation (Title Holders)						
	Extent of Private land	Total No. of (TH)	Total Amount approved	Land Acquired so far	Total number of titleholder paid	Amount disbursed so far.	Progress %
UPG-03	3.0375	92	47015320	2.22	63	31499600	67
Total	3.0375	92	47,015,320	2.22	63	31,499,600	67

23.5 Clearance/Repayment of Outstanding Loan Amount of 22 TH.

Out of total 22TH only 7 TH have clear deeds and are ready for Registry, for 8 TH Outstanding Loan to be repayed and NOC is to be obtained from the bank and rest 7 TH is to go for updating the land records after completing Mutation.

- The NoC by the Bank can only be provided after 100% loan repayment by the affected person.
- The Division may open an **Escrow Account** for such Title Holders and can deposit their compensation amount in that account so that whenever these PAPs repay their loan and submit the No Dues Certificate of BANK the registry can be done and compensation can be transferred to their account.
- The detail status of Compensation to 22 Title holder PAPs are given in the table below: -

District Shahjahanpur Details of Compensation to Title holders-Private Land-Direct Purchase Tehsil-Sadar, Village-Pipariya												
Sr.	Khata No.	Plot/ Khata No.	Affected/ Acquired area in hac	Share of acquired land in hac	Share of Owner in hac	Name of Owner	Total Land & Structure Compensation	Registration Charges	Total Amount	Outstanding Loan Amount	Mutation status	Remark
1	173	264	0.0591	0.002462	Jan-24	Mahesh Pal S/o Nand Lal	56088	2560	61648	NA	NA	Ready for Registry and Compensation can be given
2				0.002462	Jan-24	Dharmendra S/o Nandlal	56088	2560	61648	NA	NA	
3				0.004925	1-Dec	Blagvantu S/o Pyare Lal	118200	5122	123322	NA	NA	
4				0.004925	1-Dec	Harisaran S/o Pyare Lal	118200	5122	123322	NA	NA	
5				0.001231	Jan-48	Bura Singh S/o Gayadeen	29544	1280	30824	50000	NA	Outstanding Loan to be re-paid and NOC to be submitted
6				0.001231	Jan-48	Kallu Singh S/o Gayadeen	29544	1280	30824	NA	NA	Ready for Registry and Compensation can be given
7				0.001231	Jan-48	Dinesh Kumar S/o Gayadeen	29544	1280	30824	227500	NA	Outstanding Loan to be repayed and NOC to be submitted
8				0.001231	Jan-48	Ramu S/o Gayadeen	29544	1280	30824		NA	
9				0.00985	1-Jun	Narendra Kumar S/o Ghuraj Lal	236400	10244	246644	NA	NA	Ready for Registry and Compensation can be given
10				0.003283	Jan-18	Pratap S/o BrahmBabu	78792	3414	82206	NA	Mutation to be completed	Registry can be done after completing Mutation.
11				0.003283	Jan-18	Anand S/o BrahmBabu	78792	3414	82206	NA	Mutation to be completed	Registry can be done after completing Mutation.
12				0.003283	Jan-18	Laung Shree (mitak) W/o BrahmBabu	78792	3414	82206	NA	Mutation to be completed	Registry can be done after completing Mutation.
13				0.006566	1-Sep	Dayal S/o Shiv Charan Lal	157584	6829	164413	502000	Mutation to be completed	Registry can be done after completing Mutation and repayment of outstanding loan
14				0.006566	1-Sep	Maheshwari Devi W/o Ramveer	157584	6829	164413		NA	Outstanding Loan to be repayed and NOC to be submitted
15				0.003283	Jan-18	Jaduveer S/o Gangaram	78792	3414	82206	NA	Mutation to be completed	Registry can be done after completing Mutation.
16				0.003283	Jan-18	Ramadutta S/o Gangaram	78792	3414	82206	NA		
17	29	270		0.0456	%	Jaduveer S/o Gangaram	1094400	47424	1141824	NA		
18				0.0456	%	Ramadutta S/o Gangaram	1094400	47424	1141824	NA		
19	59	304		0.0456	%	Ram Pratap S/o Brahma Babu	1886400	18864	1905264	NA	Mutation to be completed	Registry can be done after completing Mutation.
20				0.0456	%	Laung Shree (mitak) W/o BrahmBabu	1886400	18864	1905264	NA	NA	Ready for Registry and Compensation can be given
21				0.1572	%	Narendra Kumar S/o Ghuraj Lal	3772800	37728	3810528	232500	Mutation to be completed	Registry can be done after completing Mutation and repayment of outstanding loan
22	40	307		0.0148	1	Dayal S/o Shiv Charan Lal	355200	15392	370592	502000	Mutation to be completed	Registry can be done after completing Mutation and repayment of outstanding loan
Total				0.479498			11507880	247162	11756032			

23.6 Social Safeguard Management Issues raised during 1st Virtual Mission

Social Safeguard Management				
1	Amendment of PMC contract to include NGO's pending RAP activities for Phase 1 roads	PWD & PMC	Immediate	M/S Development Institute for Systems Alternatives (NGO) was appointed to assist PWD in land acquisition, resettlement and rehabilitation activities under UPCRNDP project. The services of above NGO awarded in under Contract No123/1-13/UPCRNDP/CEEAP/2020 dated 21/10/2020 under IBRD- Loan No 8940-In.for implementation of Resettlement Plan (RP).
2	Complete disbursement of R&R assistance for non-title holders	PMC/PWD	20-Aug-20	The compensation of NTH Disbursement of Structures Compensation & R&R Assistance Squatters & Encroachers around 92% & for Kiosks around 90% has been disbursed.
3	Complete relocation of Community Property Resources (CPR) of UPG 01, 02, 03 and 04	PMC / PWD	31-Oct-20	Relocation sites along with Consent handed over to the Contractor. CPR Completed 24% CPR in Process 27% UPG-02 Completed 100%
4	Complete relocation of CPRs of UPG 04	PMC/PWD	31-Dec-20	Relocation sites along with Consent handed over to the Contractor. Relocation in Process only
5	GRC at district level to be made functional	PWD	5-Aug-20	Functional
6	Completion of land purchase in UPG 03 and 04	PWD	31-Oct-20	UPG 03 about 3.0375 ha of private land for completion of bridge approaches, out of which 2.2201Ha has been already acquired till December 2020. Total 67.39% of the proposed private land has been acquired and the balance land is under process because of the loan taken by some TH and are unable to get the NOC from the bank. No Land Acquisition in UPG04

Table 6: Status of Proposed Bus Shelters in Phase-I 289.59Km

S. No.	Project Road			Bus Shelter (in Nos)			Remarks
	Package	Category	Length (km)	As per DPR	Completed	Under Process	
1	UPG/01(Hamirpur-Rath)	SH-42	72.785	38	6	5	In process
2	UPG/02 (Garautha-Chirgaon)	SH-42	49.145	27	13	0	Only 13 BS needed and Construction
3	UPG/03 (Gola-Shajahanpur)	SH-93	57.535	26	0	0	Yet to start
4	UPG/04 (Badaun-Bilsi-Bijnaour)	SH-51	79.125	54	0	0	Yet to start
Total				145	19	5	13% Progress

23.7 Institutional Arrangement and Implementation Mechanism

23.7.1 Public Works Division (PWD)

PWD is acting as Implementing Agency (IA) for execution of projects for the resettlement/ safeguards issues and land acquisition activities under the project. Four project implementation units (PIUs) have been established. PIU nominated officers responsible for implementation of land acquisition and involuntary resettlement at following projects are as below:

SOCIAL MANAGEMENT CELL					
ORGANISATION		UPG-01	UPG-02	UPG-03	UPG-04
(i)	Social Cell (Employer)	MR. MUNNI LAL VERMA (Environment & Social Specialist - Executive Engineer; Mob.No.+91 9450577618) Mr. P.N. Roy (Independent Consultant - Social; Mob. No.+91 8887896070) Mr. P.N.ROY (Independent Consultant - Social; Mob. No.+91 9779117558)			
(ii)	Supervision Consultant (PMC/AE) at Team Leader Office	Dr. Sudesh Kaul (Social Specialist - Mobilized; Mobile No.+91 9818053030; Mail ID: Sudesh.k@egis-india.com)			
(iii)	Asst. Social Specialist at Team Leader Office	Mr. Bikram Bora Mob. No. +91 9810670722			

PIUs are overall in charge for land acquisition and rehabilitation and resettlement in their respective project area. In addition to the responsibilities of LA and R&R activities, PIUs ensure:

- Availability of budget for LA and R&R activities;
- Liaison with district administration for land acquisition, R&R, implementation of training and income generation for PAPs.
- Monitor progress of land acquisition and R&R activities.

23.7.2 Revenue Department

The State Government has designated a Special Land Acquisition Officer (SLAO) for execution of land acquisition compensation and rehabilitation activities as per the RFCTLAR act 2013.

23.7.3 PMC

PWD has engaged PMC Services to assist them in implementation under UPCRNDP. THE PMC Consultant's Resettlement expert is responsible for monitoring progress of implementation of Resettlement Plan for each project and provides necessary guidance for improvement wherever required.

23.7.4 Resettlement Plan Implementing NGO

M/S Development Institute for Systems Alternatives (NGO) based in Lucknow was appointed to assist PWD in land acquisition, resettlement and rehabilitation activities under UPCRNDP project. The services of above NGO awarded in under Contract No 123/1-13/UPCRNDP/CEEAP/2020 dated 21/10/2020 under IBRD- Loan No 8940-In.for implementation of Resettlement Plan (RP).

Table 7: Preparation and Distribution of ID Cards

Status of Identity Card Of Non-Title Holder				
Sl. No.	Name of the Road	Preparation of Identity Card	Submission of Identity Card	Distribution of Identity Card
1	Hamirpur-Rath Road	Completed	Completed	Completed
2	Garautha – Chirgaon Road	Completed	Completed	Completed
3	Gola-Shahjahanpur Road	Completed	Completed	Completed
4	Badaun-Bilsi-Bijnaour Road	Completed	Completed	Completed

Table 8: Status of CPRs

Package	Status of CPRs Structures in Numbers						
	CPRs to be Relocated		CPRs Relocation Sites Finalization & Progress				
	As per RAP	As per Joint Verification	Consented/ Site Finalized	Drawing Finalized	Relocated/ Completed	In progress	Balance / Not Started
UPG/01	20	13	13	13	5	7	1
UPG/02	4	2	2	2	2	0	0
UPG/03	16	17	17	15	3	4	8
UPG/04	20	11	11	0	0	0	11
Total	60	43	43	30	10	11	20

Proposed and affected CPR structures are jointly verified by Client/AE, Supervision Consultant & Contractor;

UPG/01- In CA, 20 structures were listed, at site 26 religious structures are identified; After inspection done only 13 structures need to be relocate. Drawings for 8 affected structures are approved as 1st priority; Construction works under progress.

UPG/02- Out of 4 identified structures; 2 are saved & 2 are completed (Temple at Ch.118+600 village Garautha& Well at Ch.123+000 Village Shila);

UPG/03- In CA 9 CPR structures are listed; total 17 structures are identified for relocation. All Design-drawing and construction plan with minor corrections are approved for relocation. Contractor is requested re-submission.

UPG/04- Joint field verification has been completed in the month of November-2020 and in December also. Design-drawing and work proposal are awaited from the Contractor.

23.8 Project Covenants and Compliance

Sl. No.	Grant Covenants	Status of Compliance
1.	Policy grant covenants and compliance	Complied with
2.	Financial loan covenants and compliance	Complied with
3.	Other project specific covenants:	
3.1	Social Safeguards	<ul style="list-style-type: none"> •All social safeguard issues including resettlement etc, have been closely monitored by the PIU/PMC and has been reported. Compensation to the affected PAPs has been reimbursed to the maximum affected persons. •All required institutions have been duly established. •Requisites for implementation are largely met.
3.2	Others	Preparation of consolidated progress reports Monthly/quarterly is being submitted regularly to PWD.

23.8.1 Grievance Redressal Mechanism

As agreed in the Project Appraisal Document (PAD) of World Bank and ESMF, an Integrated Grievance Redress Mechanism (IGRM) has been established under UPCRNDP with the aim to settle as many disputes as possible through consultations.

23.8.2 Grievance Redress Cell Setup under ESDC

As a part of IGRM (Integrated GRM), a Grievance Redress Cell (GRC) has been set up at the district level. The members of GRC are Social & Environment Experts of PIU, Social and Environment Officer of PIU (Assistant Engineers of PIU's have been designated Social and Environment Officer under the project, to look after the social and environment components of their respective jurisdiction), two representatives from community/beneficiary/affected person, Contractor's representative and a representative of NGO. The Executive Engineer of respective road section is the Chairperson of the Cell.

Social Expert of PMU is the Nodal and is responsible for overall activities required for successful functioning of Grievance Redress Mechanism under UPCRNDP. The website of UPCRNDP has the name and number of Social Expert (Name-PN ROY, Mobile No. 9779117558); the toll free number (18001215707), the website address (www.upcrndp.gov.in) and also the complete details of hearings imparted under GRM.

23.8.3 The functions of the GRC

(a) record the grievances and prioritize them; (b) to redress grievances of community / beneficiaries / project affected persons (PAPs) in all respects; (c) if required, may undertake site visits; (d) continuous update be provided to aggrieved party about development of their case; (e) inform their decision/verdict in writing to PMU, PIU of UPCRDP and aggrieved party as well.

GRC will only deal/hear the issues related to social & environment, construction and individual grievances and will give its decision/verdict in writing within 15 days after hearing the aggrieved person.

23.8.4 Registration of Grievance

The complainant/aggrieved party can register their grievances in various mediums e.g. including in person, in written form to any of the address of UPPWD, Contractor, NGO, PMC etc., through a direct call to concerned officials, web-based complaints, dedicated toll-free telephone line (A dedicated toll-free number has already been working under the established grievance redress system of UPPWD which is being used for the project, the toll free No. is 18001215707), written complaints on complaint register available at Office of the PIUs, NGO Office, Contractor's office, information kiosks etc. The grievance can also be registered through PMIS.

23.8.5 Grievance during the month

No grievance has been reported during this month.

23.9 Field Observation during the Current Month

- ❖ During our field visits along with the PWD and Contractor on all the roads under Uttar Pradesh Core Road Development Project. While consultations with the villagers regarding the subject cited matter, the villagers are demanding for a working hand pump with soak pit facility and provision of light at all affected bus shelters and religious structures to be constructed under the project.
Action: Contractor has been requested to collect the quotation and submit the drawing along with estimates for approval.
- ❖ NGO were advised to Coordinate with APs and provide support, where needed to revenue official at UPG-03 and other relevant line agencies in expediting the land acquisition and resettlement process;
Action: DISA NGO has been requested to speed up the task and assist PWD officials to register the land.
- ❖ The Families were also consulted regarding World Bank norms and process of distribution of compensation as per RFTLARR Act, 2013.
Conduct awareness program for HIV/AIDs, health and hygiene and Human Trafficking in affected villages;
Action: DISA NGO has been requested to speed up the task and submit advance programme to client & Supervision Consultant.
- ❖ To perform gender Analysis and educate people for maintaining male/ Female Ratio.
- ❖ The summary of CPR also should be submitted Package wise separately.
- ❖ Some CPR structures were also verified and found to be as per the list submitted by the NGO. Further NGO is advised to send the consent letter of the affected CPR along with relocation plan.
- ❖ The NGO was also advised to prepare the supplementary Micro Plan for UPG01 for the additional impact identified at KM 59+000 and Km 2+000 to 4+000.
- ❖ The NGO representative was made aware regarding the importance of the consultation/ training and the NGO assured that the consultation/training shall be conducted shortly and other documentary evidences pertaining to the same shall be circulated to both the client and the supervision consultant.
- ❖ The 2nd instalment of few PAPs of all the packages are pending, the NGO is requested to complete the process and send recommendation to the concerned divisions for realizing the final instalment.
- ❖ Non availability of the space for construction of side drain in selected locations at UPH01 Mushkara, Sambhal UPG04. The matter has been discussed with the Contractor and RE.
- ❖ During our side visit, it was observed that at some location the construction of the drain has been constructed above the road resulting denying easy access to the community. Contractor may be advised to give easy access to the Community.

23.10 Good Practices Observed /Recommended

Following good practices has been observed / recommended while the field visits:

- 1) Online transfer of compensation and R&R assistance to the PAPs bank account is being carried out under the project which result in promotion of online transaction of financial dealing and also result in low risk of theft and error.
- 2) The NGO has recommended providing light arrangement and a hand pump with soak pit at every community property (i.e. bus shelters, big religious structures, panchayat ghar etc.) wherever required. The same has been discussed with the PWD and it was decided that the additional budget required for installation of same will be carried out by the PMC at the earliest. The response of PMC is awaited.

Consultations with the villagers regarding- Proposed Installation of Hand Pump with Installation of Soak Pit

- ❖ While consultations with the villagers regarding the subject cited matter, the villagers are demanding for a working hand pump with soak pit facility and provision of light at all affected bus shelters and religious structures to be constructed under the project.

Package	Proposed Installation of Hand Pump with Installation of Soak Pit					
	As per Joint Verification	Proposed HP	Cost HP as per Jal Nigam	Total Cost of HP (INR)	Cost of Soakpit	Total Cost of Soak pit (INR)
UPG/01	13	13	62589.55	813664.15	15000	195000
UPG/02	2	2	62589.55	125179.10	15000	30,000
UPG/03	17	17	62589.55	1064022.35	15000	255000
UPG/04	11	11	62589.55	688485.05	15000	165000
Total	43	43		2691350.65		645000

PHOTOGRAPHS TAKEN AT PROJECT SITES DURING THE MONTH OF MARCH-2021



UPG-01: Road Marking at ch.38.400 BHS



UPG-01: Junction Improvement at Ch.43.825 RHS



UPG-01: Installation of Bus Shelter at 74.620



UPG-01: Reinforcement of Retaining Wall at Ch.2.250



UPG-01: EMP Enhancement at Sai Mandir at
Ch.74.623



UPG-01: Tool Box Talk Before Start of PQC Work



UPG-03: Site Cleaning and Preparation for Construction of Pile Cap at Canal Site



UPG-03: BC Completed Both Carriageway from Km. 22+945 to 24+750



UPG-03: Plant Saplings for Avenue Plantation – Nursery at Contractor's Base Camp



UPG-03: Major Bridge @ Ch. 25+608 – Peir Cap Suttering in Progress



UPG-03: Major Bridge at Ch. 25+608



UPG-03: Dust Suppression on Traffic Moving C/W between Ch.13+000 to Ch.14+500



UPG-04: BC laying Work at Ch.128.05



UPG-04: Raft Cocreating MNB Raft in Progress at Ch. 130+021



UPG-04: Safety Awareness Programme at Contractor's Base Camp 102+200 LHS



UPG-04: Dust Suppression on Traffic Moving C/W constructed with GSB Ch.59+000 to Ch.65+000



UPG-04: Scarification of Existing C/W for construction between Ch.59+000 to Ch.65+000



UPG-04: Quiz Competition of Workers on National Safety Day/Week

Enclosure-1

**Summary of Team Leader Office
Correspondences**

Minutes of Meeting (MoM) Letters

Consultancy Services for Uttar Pradesh Core Road Network Development Program

OUTGOING CORRESPONDANCES of TL OFFICE, LUCKNOW for the m/o MARCH 2021

Sr.No.	Letter Date	Letter Reference No.	To	Subject	Incoming Letter Reference
1	01.03.2021	Egis India/LKO/UPCRNDP/2021/1218	CE,PWD,Lucknow	volumes of Detailed Project Report of Moradabad-Haridwar-Dehradoon (SH-49): 1) Volume I : Main Report (Along with Annexure) 2) Volume II : Design Report (Along with Annexures II-A & II-B) 3) Volume III : Material Report 4) Volume IV : Rate Analysis 5) Volume V : Cost Estimate 6) Volume VI : Drawings (Part A - Road Works, Part B – Structures) 7) Volume VII : BID Documents – (Shall be submitted later) 8) Volume VIII : Environmental Impact Assessment Report (EIA) & Environmental Management Plan (EMP) 9) Volume IX : Resettlement Action Plan (RAP) and Land Acquisition Plan (LAP)	
2	01.03.2021	E-MAIL	Mr. P.N. Roy	Comments on RAP of Moradabad-Haridwar-Dehradoon (SH-49) by Mr. P.N. Roy UPPWD Social Expert	
3	01.03.2021	Egis India/LKO/UPCRNDP/2021/1219	CE,PWD,Lucknow	Consolidated Monthly Progress Report (CMPR) No. 19 for the month of January 2021	
4	03.03.2021	Egis India/LKO/UPCRNDP/2021/1220	APCO/GHV/GAWAR	Revised Work Programme for Completion of Project in all respect	
5	03.03.2021	Egis India/LKO/UPCRNDP/2021/1221	CE,PWD,Lucknow	Training on Quality Management System (QMS) by SQME	
6	03.03.2021	E_MAIL	CE,PWD,Lucknow	NOC with Comments by World Bank for Detailed Project Road (DPR) of SH-88	

7	03.03.2021	E_MAIL	CE,PWD,Lucknow	Comments by World Bank for Detailed Project Road (DPR) of SH-30	
8	03.03.2021	Egis India/LKO/UPCRNDP/2021/1222	CE,PWD,Lucknow	Detailed Project Report of Bansi- Menhdawal Khalilabad Road (SH-88) after Complying WB Comments Dated 02.03.2021: 1) Volume I : Main Report (Along with Annexure) 2) Volume II : Design Report (Along with Annexure)	
9	04.03.2021	Egis India/LKO/UPCRNDP/2021/1223	CE,PWD,Lucknow	Visit by Social Development Specialist Mr. Niraj Singh for Garh Siyana- Bulandshahar Road (SH-65) on 08.03.2021	
10	04.03.2021	E_MAIL	CE,PWD,Lucknow	NOC with Comments by World Bank for Detailed Project Road (DPR) of SH-30	
11	05.03.2021	Egis India/LKO/UPCRNDP/2021/1224	CE,PWD,Lucknow	Request for Approval of CV of Mohamad Aasif Jameel for Construction Safety Engineer (CSE) Position for Part-B Services.	
12	05.03.2021	Egis India/LKO/UPCRNDP/2021/1225	CE,PWD,Lucknow	Visit by Environment Team for Garh Siyana- Bulandshahar Road (SH-65) on 08.03.2021	
13	03.03.2021	Egis India/LKO/UPCRNDP/2021/1222	CE,PWD,Lucknow	Detailed Project Report of Bansi- Menhdawal Khalilabad Road (SH-88) after Complying WB Comments Dated 02.03.2021: 1) Volume I : Main Report (Along with Annexure) 2) Volume II : Design Report (Along with Annexure) 3) Volume III : Material Report 4) Volume IV : Rate Analysis 5) Volume V : Cost Estimate 6) Volume VI : Drawings (Part A - Road Works, Part B – Structures) 7) Volume VII : BID Documents – (Shall be submitted later) 8) Volume VIII : Environmental Impact Assessment Report (EIA) & Environmental Management Plan (EMP) 9) Volume IX : Resettlement Action Plan (RAP) and Land Acquisition Plan (LAP)	
14	05.03.2021	E_MAIL	MR. S.K. Jain, EQMS	DPR Volume - VIII EIA EMP &, Volume- IX- RAP & LAP of Moradabad-Haridwar-Dehradun (SH-49)	

15	05.03.2021	Egis India/LKO/UPCRNDP/2021/1226	SE,PWD,Moradabad	Recommendation for Payment of SPS-10 (IPC-11) and Certification Ref. Article 19 Sub- Clause 19.5.2	
16	05.03.2021	Egis India/LKO/UPCRNDP/2021/1227	CE,PWD,Lucknow	Submission of Cost Estimate of 17 Nos. Rehabilitation of Common Property Resources CPRs Structures & 3 Nos. Environmental Enhancement for Approval as per the Article-09 of Contract Agreement	APCO letter No. 432 Dated 26.02.2021
17	05.03.2021	Egis India/LKO/UPCRNDP/2021/1228	SE,PWD,Kanpur	Recommendation of SPS-15 (IPC-16) for Consideration and Certification Ref Article 19 Sub-Clause 19.5.2 of Contract Agreement.	RE Office letter No. 563 Dated 05.03.2021 GHV letter No. 780 Dated 04.03.2021
18	08.03.2021	Egis India/LKO/UPCRNDP/2021/1229	SE,PWD,Lucknow	Interim Payment Certificate-09 (SPS-08)	RE Office letter No. 389 Dated 06.03.2021 APCO letter No. 439 Dated 04.03.2021
19	08.03.2021	Egis India/LKO/UPCRNDP/2021/1230	CE,PWD,Lucknow	Clarification to Interim Response issued by World Bank for Change of Scope 01, Contract Amendments for India - P147864 - Uttar Pradesh Core Road Network Development Project - IN-UPPWD-48722-CW-RFB.	World Bank Mail Dated 02.03.2021 Egis letter No. 66953 Dated 01.0.2.2021
20	08.03.2021	Egis India/LKO/UPCRNDP/2021/1231	CE,PWD,Lucknow	Reimbursement of GST against Invoices claimed for the month of December 2020 against Part-B & C of UPCRNDP (USD and INR Coomponents)	
21	08.03.2021	Egis India/LKO/UPCRNDP/2021/1232	CE,PWD,Lucknow	Submission of USD Component Invoice No.81 for the month of February 2021	
22	08.03.2021	Egis India/LKO/UPCRNDP/2021/1233	GHV	Site Visit Program of Sr. Bridge Engineer and Environmental Specialist from 09.03.2021 to 12.03.2021.	
23	08.03.2021	Egis India/LKO/UPCRNDP/2021/1234	APCO	Site Inspection Report of AE's Environmental Specialist Mr. Dev Brat Singh for the Period from 01.03.2021 to 05.03.2021	
24	08.03.2021	Egis India/HO/UPCRNDP/2021/67676	CE,PWD,Lucknow	Preparation of Phase-II DPR Status	PWD letter No. 509 Dated 15.02.2021 and 3069 Dated 16.12.2020
25	09.03.2021	Egis India/LKO/UPCRNDP/2021/1235	CE,PWD,Lucknow	Submission of Part-B and Part-C INR Component Invoice No.81 for the month of February 2021	
26	09.03.2021	Egis India/LKO/UPCRNDP/2021/1236	APCO	De-Scoping of portion from Design Ch. 59.035 to 59.380 Notice as per Article 13-Sub Clause 13.2.1 of Contract Agreement.	PWD letter No. 140 Dated 06.03.2021

27	14.03.2021	E_MAIL	CE,PWD,Lucknow	<p>Revised Detailed Project Report of Moradabad-Haridwar-Dehradun (SH-49) incorporating all the Comments and compliances:</p> <p>1) Volume I : Main Report (Along with Annexure)</p> <p>2) Volume II : Design Report (Along with Annexures)</p> <p>3) Volume III : Material Report</p> <p>4) Volume IV : Rate Analysis</p> <p>5) Volume V : Cost Estimate</p> <p>6) Volume VI : Drawings (Part A - Road Works, Part B – Structures)</p> <p>7) Volume VII : BID Documents – (Shall be submitted later)</p> <p>8) Volume VIII : Environmental Impact Assessment Report (EIA) & Environmental Management Plan (EMP)</p> <p>9) Volume IX : Resettlement Action Plan (RAP) and Land Acquisition Plan (LAP)</p>	
28	15.03.2021	Egis India/LKO/UPCRNDP/2021/1237	GHV	Site Inspection Report of Mr. Rajiv Ranjan Verma (Sr. Bridge Engineer) for the Month of March, 2021	
29	15.03.2021	Egis India/HO/UPCRNDP/67880/2021	APCO	Application for Interim Extension of Time due to Force Majeure Event (FME) – Pandemic COVID-19	
30	16.03.2021	Egis India/LKO/UPCRNDP/2021/1238	CE,PWD,Lucknow	Mobilization of Dr. Sudesh Kaul, Social Development Specialist for Part-C Services from 16.03.2021 to 20.03.2021	
31	16.03.2021	Egis India/LKO/UPCRNDP/2021/1239	GAWAR	Site Visit Program of Sr. Bridge Engineer and Environmental Specialist from 18.03.2021 to 20.03.2021.	
32	16.03.2021	E_MAIL	CE,PWD,Lucknow	<p>Detailed Project Report of Garah-Sayana-Bulandshahar (SH-65):</p> <p>1) Volume I : Main Report (Along with Annexure)</p> <p>2) Volume II : Design Report (Along with Annexures)</p> <p>3) Volume III : Material Report</p> <p>4) Volume IV : Rate Analysis</p> <p>5) Volume V : Cost Estimate</p> <p>6) Volume VI : Drawings (Part A - Road Works, Part B – Structures)</p>	

33	17.03.2021	E_MAIL	CE,PWD,Lucknow	Detailed Project Report of Garah-Sayana-Bulandshahar (SH-65): 1) Volume I : Main Report (Along with Annexure) 2) Volume II : Design Report (Along with Annexures) 3) Volume III : Material Report 4) Volume IV : Rate Analysis 5) Volume V : Cost Estimate 6) Volume VI : Drawings (Part A - Road Works, Part B – Structures) 7) Volume VII : BID Documents – (Shall be submitted later) 8) Volume VIII : Environmental Impact Assessment Report (EIA) & Environmental Management Plan (EMP) 9) Volume IX : Resettlement Action Plan (RAP) and Land Acquisition Plan (LAP)	
34	17.03.2021	Egis India/LKO/UPCRNDP/2021/1240	CE,PWD,Lucknow	Consolidated Monthly Progress Report (CMPR) No. 20 for the month of February 2021	
35	18.03.2021	Egis India/LKO/UPCRNDP/2021/1241	CE,PWD,Lucknow	Mobilization of Mr. Sarwan Singh Saini, Deputy Team Leader Position wef 18.03.2021	
36	18.03.2021	Egis India/LKO/UPCRNDP/2021/1242	CE,PWD,Lucknow	Virtual Road Safety Training on 24.03.2021 by Road Safety Auditor Mr. Bhushan Kumar Merigala	
37	18.03.2021	Egis India/HO/UPCRNDP/67995/2021	CE,PWD,Lucknow	Draft Supplementary Agreement for Change of Scope (COS)	
38	19.03.2021	Egis India/LKO/UPCRNDP/2021/1243	CE,PWD,Lucknow	Regarding Disbursement of Allocated Funds for Fourth Quarter Financial Year 2020-2021 - Contractor not able to Utilize due to Slow Progress of Project	
39	20.03.2021	Egis India/LKO/UPCRNDP/2021/1244	GHV	Site Inspection Report of AE's Environmental Specialist Mr. DevBrat Singh for the Period from 09.03.2021 to 12.03.2021	
40	20.03.2021	Egis India/LKO/UPCRNDP/2021/1245	GHV/APCO/GAWAR	Shifting/Re-Construction/Enhancement of Common Property Resources (CPRs) under Phase-I Roads	UPPWD letter No. 860 Dated 17.03.2021
41	20.03.2021	Egis India/LKO/UPCRNDP/2021/1246	CE,PWD,Lucknow	Shifting/Re-Construction/Enhancement of Common Property Resources (CPRs) under Phase-I Roads	UPPWD letter No. 860 Dated 17.03.2021 and 3064 Dated 15.12.2020

42	20.03.2021	Egis India/LKO/UPCRNDP/2021/1247	CE,PWD,Lucknow	Submission of Request of the Community regarding Shifting of the CPRs – Provision of Hand Pump with soak pit and Lighting Arrangements	UPPWD letter No. 2951 Dated 03.12.2020
43	22.03.2021	Egis India/LKO/UPCRNDP/2021/1248	GAWAR	Site Inspection Report of Mr. Rajiv Ranjan Verma (Sr. Bridge Engineer) for the month of March, 2021.	
44	22.03.2021	Egis India/LKO/UPCRNDP/2021/1249	CE,PWD,Lucknow	Release of Retention Money Under the Provision of Sub-Clause 7.5.3 of Contract Agreement (CA).	GHV letter No. 784 Dated 14.03.2021 PWD letter No. 412 Dated 06.02.2021
45	22.03.2021	Egis India/LKO/UPCRNDP/2021/1250	SE,PWD,Kanpur	Recommendation of SPS-16(IPC-17) for consideration and Certification Ref Article 19 Sub-Clause 19.5.2 of Contract Agreement	RE Office letter No. 572 Dated 21.03.2021 and GHV letter No. 787 Dated 21.03.2021
46	23.03.2021	Egis India/LKO/UPCRNDP/2021/1251	CE,PWD,Lucknow	Project Management Services (Part - C) – Assessment of Project Development Objectives (Determination of Reduction In Average Travel Time for the Project)	
47	23.03.2021	Egis India/LKO/UPCRNDP/2021/1252	APCO	Pile Load Tests for Major & Minor Bridges	APCO letter No. 459 Dated 23.03.2021
48	24.03.2021	Egis India/LKO/UPCRNDP/2021/1253	SE,PWD,Lucknow	Interim Payment Certificate-10 (SPS-09)	RE Office letter No. 404 Dated 23.03.2021 APCO letter No. 458 Dated 22.03.2021
49	25.03.2021	Egis India/LKO/UPCRNDP/2021/1254	SE,PWD,Moradabad	Recommendation for Payment of SPS-11 (IPC-12) and Certification Ref. Article 19 Sub- Clause 19.5.2	RE Office letter No. 355 Dated 24.03.2021 GAWAR letter No. 570 Dated 24.03.2021
50	25.03.2021	Egis India/LKO/UPCRNDP/2021/1255	CE,PWD,Lucknow	GEO Coordinates and Centre Line Chainage wise Coordinates for Rath-Garautha (Missing Link) Section of SH-42	
51	25.03.2021	E_MAIL	CE,PWD,Lucknow	Revised Detailed Project Report of Moradabad-Haridwar-Dehradun (SH-49) incorporating all the Comments and compliances: 1) Volume I : Main Report (Along with Annexure) 2) Volume II : Design Report (Along with Annexures)	
52	25.03.2021	E-MAIL	CE,PWD,Lucknow	World Bank Comments on the draft bid documents of Missing Link	
53	26.03.2021	Egis India/LKO/UPCRNDP/2021/1256	CE,PWD,Lucknow	Reimbursement of GST against Invoices claimed for the month of January 2021 against Part-B & C of UPCRNDP (USD and INR Components)	

54	26.03.2021	Egis India/LKO/UPCRNDP/2021/1257	GAWAR	Site Inspection Report of AE's Environmental Specialist Mr. DevBrat Singh for the Period from 17.03.2021 to 20.03.2021	
55	27.03.2021	Egis India/LKO/UPCRNDP/2021/1258	NKC	Site Inspection Note and Procedures and Works during Maintenance Period of 5 Years	
56	31.03.2021	Egis India/LKO/UPCRNDP/2021/1259	CE,PWD,Lucknow	Handing over of 10 Nos. Laptops with Chargers and Bags (PMIS)	
57	31.03.2021	E_MAIL	Mr. P.N. Roy	Volume IX : Resettlement Action Plan (RAP)	

INCOMING CORRESPONDANCES of TL OFFICE, LUCKNOW for the m/o MARCH 2021**ENCLOSURE-1**

Sl. No.	Letter Date	Letter Reference No.	From	Subject	OutGoing Letter Reference
1	02.03.2021	GHV/Site/SH-42/Rath/776	GHV	Provisional Completion & Issuance of Provisional Completion Certificate for the Project – Submission of Tests results for Provision completed Stretch pursuant to Schedule K, Clause 2 of Contract Agreement	
2	01.03.2021	445/800-4/UPCRNDP/WBYC/2020	CE,PWD,Lucknow	Review by E-InC (RR) on 05.03.2021 at 11:00AM (Schedule of Meeting)	
3	25.02.2021	598 EAP/Meeting/CE-EEAP/2020	SE,PWD		
4	03.03.2021	675/1-01/UPCRNDP/CEEAP/2021	CE,PWD,Lucknow	World Bank Mission (22-25 February 2021) Observations	
5	05.03.2021	Egis India/RE UPG-03/UPCRNDP/387/2021	RE, Mohammadi	Change of Scope (COS-01) Revised Cost Estimate of Proposed MCW with Drain & Footpath in Mukarampur Village (From Chainage 50+300 to 50+980) under COS.01 as per the Article 13 of the Contract Clause 13.2.3 of the Contract Agreement.”	APCO letter No. 401 Dated 22.01.2021
6	05.03.2021	729 EAP/1-01/UPCRNDP/CEEAP/2021	PD,PWD,LUCKNOW	Approval of Mr. Sarwan Singh Saini for the Deputy Team Leader (DTL) Position for Part-B Services.	
7	05.03.2021	732 EAP/1-12/UPCRNDP/CEEAP/2021	CE,PWD,Lucknow	Site Visit of UPPWD Social and Environmental Experts on 08.03.2021 for Garh-Siyana-BulandShahar(SH-65)	
8	06.03.2021	137/3C/2021	EE,PWD,Sitapur	Generation of USER Name and Password for online submission of GAD for ROB for Bahraich-Gonda-Faizabad Road (SH-30)	
9	06.03.2021	139/UPCRNDP/UPG-03/2018/2021	EE,PWD,Sitapur	Regarding Road Safety Provision during Construction as per IRC	
10	10.03.2021	525/1000 (i)/Safety/WBYC/2020	SE,PWD,Lucknow		

11	06.03.2021	140/UPCRNDP/UPG-03/2018/2021	EE,PWD,Sitapur	De-Scoping of Road Portion from Design Ch 59.035 to 59.380	
12	10.03.2021	528/800-6//UPCRNDP/WBYC/2020	SE,PWD,Lucknow		
13	06.03.2021	141/UPCRNDP/UPG-03/2018/2021	EE,PWD,Sitapur	Slow Progress of Project	
14	10.03.2021	524/800-16//UPCRNDP/WBYC/2020	SE,PWD,Lucknow		
15	09.03.2021	542/800-6/UPCRNDP/WBYC/2020	SE,PWD,Lucknow	Transfer of 0.055 km length from Ch. 29.625 to 29.680 of common portion of Gola- Shahjahanpur road and NH-730A (Maigalganj-Mohammadi-Puwaya-Banda-Puranpur road)	
16	08.03.2021	GCL/CAMP/SH-51/BBB/2021/533	GAWAR	Request for provide the revised schedule of Milestone 3 & 4.	
17	09.03.2021	519/1 Com. WBPC/21	SE,Moradabad	Tree Plantation Timing, Readiness and Stretch Availability	
18	12.03.2021	APCO/WB-UPPWD/EGIS/ST/447	APCO	Regarding Submission of Drawing/Design for relocation and Rehabilitation of Common Property Resources (CPR) and Enhancement of Existing Brick Drain incorporating the observations by Authority Engineer & accordingly submission of estimate of the Proposed Drain	
19	12.03.2021	153/UPCRNDP/UPG-03/2018/2021	EE,PWD,Sitapur	Relocation and Rehabilitation of Common Property Resources (CPRs) -Reconstruction of Drain in Pipariya Village	
20	15.03.2021	573/800-6/UPCRNDP/WBYC/2020	SE,PWD,Lucknow		
21	15.03.2021	803/EAP/1-13/UPCRNDP/CEWB/SOCIAL/2021	CE,PWD,Lucknow	Regarding Relocation and Rehabilitation of Common Property Resources (CPRs)	
22	17.03.2021	APCO/WB-UPCRNDP/EGIS/ST/453	APCO	Regarding Submission of Cost Estimate for Negative Variation at Ch 29+515 to 30+315	
23	17.03.2021	APCO/WB-UPCRNDP/EGIS/ST/454	APCO	Regarding Submission of Cost Estimate for Negative variation at ch. 59+057 to 59+400.	

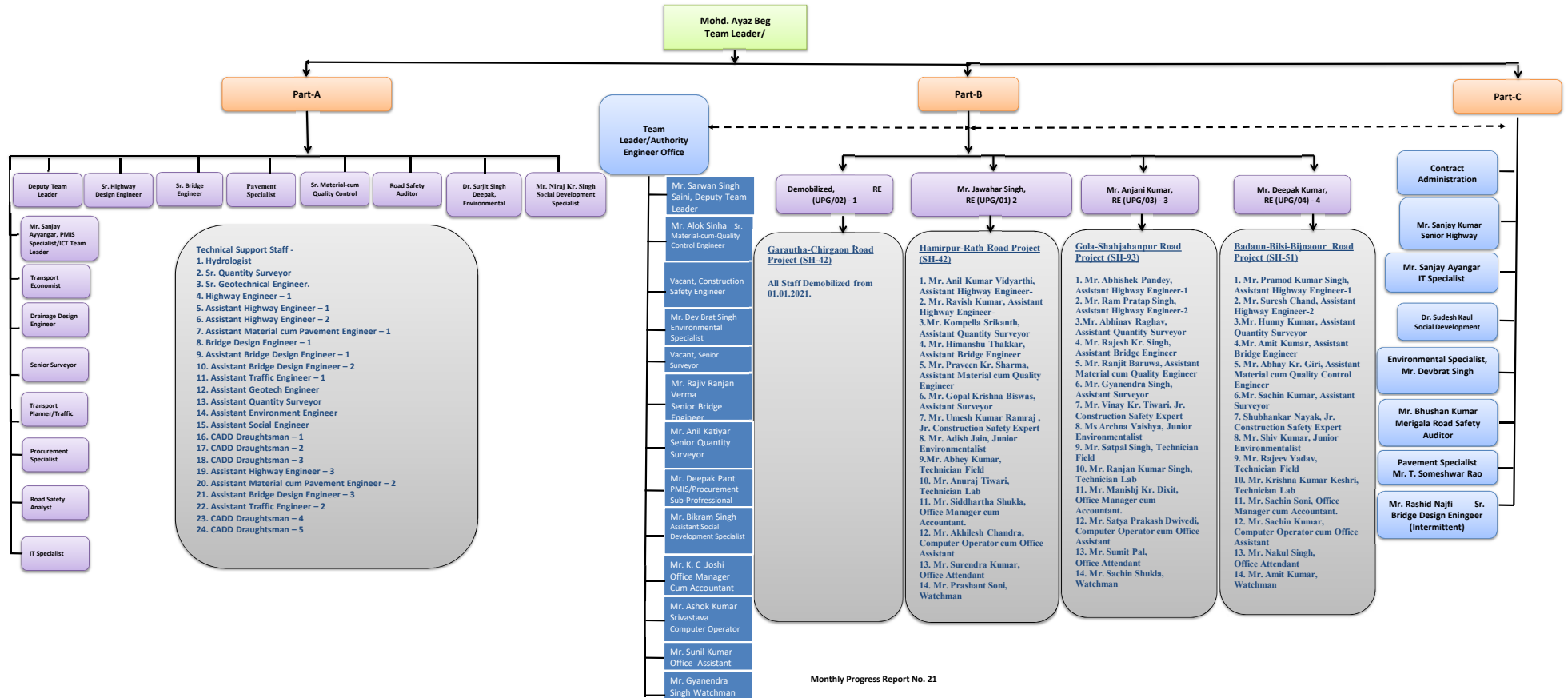
24	17.03.2021	860 EAP/SOCIAL/WB/1-12/UPCRNDP/CEEAP/2021	CE,PWD,Lucknow	Shifting/Re-Construction/Enhancement of Common Property Resources (CPRs) under Phase-I Roads	
25	20.03.2021	890 EAP/1-12/UPCRNDP/CEEAP/2021	CE,PWD,Lucknow	Compliance of EMP Provisions under Operation Phase in UPG-02 (Garautha-Chirgaon)	
26	22.03.2021	915 EAP/1-01/UPCRNDP/CEEAP/2021	CE,PWD,Lucknow	Terms of Reference (TOR) of Phase-II Roads	
27	22.03.2021	916 EAP/1-01/UPCRNDP/CEEAP/2021	CE,PWD,Lucknow	Compliances on Minutes of the Meeting Dated 05.01.2021 (Meeting dated 31.12.2020)-PMIS	
28	22.03.2021	GCL/Camp/SH-51/BBB/2021/562	GAWAR	Request for Release the Withheld Amount Rs. 21, 67,780.00 Lacs of Safety from IPC no. 6.	
29	23.03.2021	E-Mail	CE,PWD,Lucknow	CV of Mohamad Aasif Jameel for Construction Safety Engineer (CSE) Position for Part-B Services.- <u>Not Found Suitable</u>	
30	23.03.2021	APCO/WB-UPPWD/EGIS/ST/460	APCO	Regarding confirmation on payment receipt from Authority against 8th Interim Payment Application.	
31	23.03.2021	APCO/WB-UPPWD/EGIS/ST/461	APCO	Regarding confirmation on payment receipt from Authority against 9th Interim Payment Application	
32	23.03.2021	939 EAP/WB/UPG-01/2019-20	CE,PWD,Lucknow	NOC granted by the World Bank for Change of Scope (COS)-Signed Copy of COS Agreement	Egis letter No. 1230 Dated 08.03.2021
33	23.03.2021	APCO/WB-UPPWD/EGIS/ST/462	APCO	Transit Pass (Royalty Slip) (True Copy)	
34	27.03.2021	683/1 Com WBPC/21	SE,PWD,Moradabad	Shifting/Re-Construction/Enhancement of Common Property Resources (CPRs) under Phase-I Roads	

Enclosure-2

PMC Organization Chart

1.13 Consultant's Organization Chart

MONTH - MARCH 2021



Structure Details
Hamirpur-Rath Road (UPG/01)

Package UPG-01 : “Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Hamirpur-Rath Section of SH-42 from Ch. Km 2+065 to Km 74+255 in the State of Uttar Pradesh

Work Status : Reconstruction of Minor Bridges **Work Done Upto** **3/31/2021**

SN	CA Design Chainage	Actual Chainage As Per Site	TYPE OF STRUCTURE	Exca- vation	PCC	Raft	Wall	Deck Slab	Crash Barrier / Parapet	Drainage Spout	Return Wall	Approa ch Slab	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	47+829	47+814	Box Bridge (7.40x1=7.40 m)	Completed								Com		Com	Com	Com	
2	(COS) 25+656	25+662	Box Bridge (7mx2 =14m)	Completed								Com		Com	Com	Com	Widening In CA Converted Into Reconstruction In COS
3	(COS) 68+695	69+148	Box Bridge (4.50mx2 =9m)	Completed								Com		Com	Com	Com	Widening In CA Converted Into Reconstruction In COS
4	(COS) 71+443	70+887	Box Bridge (4.50mx2 =9m)	Completed								Com		Com	Com	Com	Widening In CA Converted Into Reconstruction In COS

**** Yellow Shade indicates Work Done/completed In Current Month**

**Package UPG-01 : "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Hamirpur-Rath
Section of SH-42 from Ch. Km 2+065 to Km 74+255 in the State of Uttar Pradesh**

Work Status : Box Culverts (Reconstruction & Additional) Work Done Upto 3/31/2021															
SN	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRA-NGEMT	Exca-vation	PCC	Raft	Wall	Deck Slab	Parapet On Deck Slab	Return Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	2+137	02+140	1X4.10m	Completed								Com	Com	Com	Re-construction
2	2+520		1x2m	Completed								Com	Com	Com	Additional
3	3+180		1x2m	Completed								Com	Com	Com	Additional
4	3+560	3+605	1x2m	Completed						Com.		Com	Com	Com	Additional
5	4+160	4+160	1x2m	Completed						Com.		Com	Com	Com	Additional
6	4+580	4+580	1x2m	Completed						Com.		Com	Com	Com	Additional
7	6+588	6+585	1x1.5m	Completed						Com.		Com	Com	Com	Re-construction
8	7+661		1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
9	10+551	10+488	1x1.5m	Completed						Com	Com	Com	Com	Com	Re-construction
10	COS	10+936		Completed						Com.	Com	Com	Com	Com	(Widening In CA)
11	11+780	11+779	1x2m	Completed						Com.	Com	Com	Com	Com	Additional
12	13+815	13+815	1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
13	16+240	16+240	1x2m	Completed						Com.	Com	Com	Com	Com	Additional
14	17+206	17+205	1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
15	21+730	21+730	1x2m	Completed						Com.	Com	Com	Com	Com	Additional
16	22+642		1x2.6m	Completed						Com	Com	Com	Com	Com	Re-cons (Irrigation Canal)
17	COS	25+067		Completed						Com	Com	Com	Com	Com	(Widening In CA)
18	29+760	29+760	1x2m	Completed						Com.	Com	Com	Com	Com	Additional
19	COS	30+911		Completed						Com	Com	Com	Com	Com	(Widening In CA)
20	31+136	31+150	1x1.5m	Completed						Com	Com	Com	Com	Com	Re-construction
21	32+640	32+640	1x2m	Completed						Com.	Com	Com	Com	Com	Additional
22	33+323		1x1.5m	Completed						Com	Com	Com	Com	Com	Re-cons(Irr. Canal)
23	36+907	36+900	1x2.7m	Completed						Com.	Com	Com	Com	Com	Re-construction
24	39+190	39+190	1x2m	Completed						Com	Com	Com	Com	Com	Additional
25	40+500		1x2m	Completed						Com	Com	Com	Com	Com	Additional
26	COS	41+627		Completed						Com	Com	Com	Com	Com	Repairing In CA
27	51+768		1x2m	Completed						Com.	Com	Com	Com	Com	Re-construction
28	51+868		1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
29	54+927	54+913	1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
30	58+171	58+171	1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
31	58+809	58+790	1x2.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
32	59+051	59+240	1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
33	61+060	61+060	1x2m	Completed						Com.	Com	Com	Com	Com	Additional
34	62+751	62+751	1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
35	63+454	Shifted to 26+065	1x2.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
36	64+370	64+370	1x2m	Completed						Com.	Com	Com	Com	Com	Re-construction
37	64+930	64+930	1x2m	Completed						Com.	Com	Com	Com	Com	Re-construction
38	65+605	65+605	2x3.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
39	66+650	66+650	1x1.5m	Completed						Com.	Com	Com	Com	Com	Re-construction
40	COS	71+390		Completed						Com.	Com	Com	Com	Com	Repairing In CA
41	72+600	72+627	1x2m	Completed						Com	Com	Com	Com	Com	Additional
42	73+800	73+800	1x2m	Completed						Com	Com	Com	Com	Com	Additional
43	74+590	74+590	1x2m	Completed						Com	Com	Com	Com	Com	Additional

Reconstruction Culverts = 27 Nos Additional Culverts = 16 Nos

****Yellow Shade indicates Work Done/completed In Current Month**

Package UPG-01 : "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Hamirpur-Rath Section of SH-42 from Ch. Km 2+065 to Km 74+255 in the State of Uttar Pradesh													
Work Status : Hume Pipe Culverts (Reconstruction & Additional)										Work Done Upto		3/31/2021	
SN	CA Design Chainage	Actual Chainage As Per Site	Size Of Culvert	Head Wall					Pipe Laying	Pipe Encasing	Quadrant Pitching	Flexible Apron	Remarks
				Excav - ation	PCC	1st Lift	2nd Lift	Final lift					
1	5+420	5+420	1x1200 mm	Completed						With Encasing	Com	Com	Additional
2	5+821	05+820	1x1200 mm	Completed						Without Encasing	Com	Com	Re-cons. (Irri. canal)
3	7+341	7+341	1x1200 mm	Completed						Without Encasing	Com	Com	Re-cons. (Irri. canal)
4	8+311	08+310	1x1200 mm	Completed						With Encasing	Com	Com	Re-cons. (Irri. canal)
5	11+194	11+190	1x1200 mm	Completed						Without Encasing	Com	Com	Re-cons. (Irri. canal)
6	13+436	13+432	4x1200 mm	Completed						Without Encasing	Com	Com	Re-cons. (Irri. canal)
7	13+776	13+773	1x1200 mm	Completed						Without Encasing	Com	Com	Re-constr.
8	15+560	15+560	1x1200 mm	Completed						Without Encasing	Com	Com	Additional
9	18+300	18+298	1x1200 mm	Completed						With Encasing	Com	Com	Additional
10	23+520	23+518	1x1200 mm	Completed						Without Encasing	Com	Com	Additional
11	26+490	26+485	1x1200 mm	Completed						Without Encasing	Com	Com	Additional
12	28+740	28+735	1x1200 mm	Completed						With Encasing	Com	Com	Additional
13	30+320	30+319	1x1200 mm	Completed						With Encasing	Com	Com	Additional
14	31+800	31+797	1x1200 mm	Completed						With Encasing	Com	Com	Additional
15	42+210	42+220	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
16	COS	42+438	1x1200 mm	Completed						Without Encasing	Com	Com	Not In CA
17	43+644	43+631	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
18	43+901	43+900	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
19	44+328	44+312	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
20	44+576	44+560	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
21	45+101	45+100	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
22	45+375	45+359	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
23	46+061	46+057	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
24	46+151	46+200	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
25	49+539	49+525	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
26	53+120	53+116	1x1200 mm	Completed						With Encasing	Com	Com	Additional
27	55+721	55+704	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
28	56+121	56+106	1x1200 mm	Completed						With Encasing	Com	Com	Re-cons. (Irri. canal)
29	56+335	56+314	1x1200 mm	Completed						Without Encasing	Com	Com	Re-constr.
30	56+676	56+652	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
31	COS	58+480	1x1200 mm	Completed						Without Encasing	Com	Com	Not In CA
32	60+200	60+100	1x1200 mm	Completed						Without Encasing	Com	Com	Additional
33	67+170	67+160	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
34	68+080	68+059	1x1200 mm	Completed						With Encasing	Com	Com	Re-constr.
35	70+160	70+150	1x1200 mm	Completed						With Encasing	Com	Com	Additional
36	74+020	74+020	1x1200 mm	Completed						Without Encasing	Com	Com	Additional

Reconstruction Culverts = 24Nos Additional Culverts = 12 Nos

**Yellow Shade indicate Work Done/completed In Current Month

Package UPG-01 : “Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Hamirpur-Rath Section of SH-42 from Ch. Km 2+065 to Km 74+255 in the State of Uttar Pradesh																	
Work Status : Box/Slab Culverts (Widening & Repairing)												Work Done Upto :				3/31/2021	
SN	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Excavation	PCC	Raft	Wall	Slab	Para-pet	Wing / Return Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flex. Apron	Remarks		
**	(10+936)		1X2m	COS : Converted Into Box Culvert Recon.							NA	NA	NA	NA	Box Culvert		
1	12+487	12+490	1X3m	Completed							NA	NA	NA	NA	Slab Culvert		
2	13+156		1X4.2m	Completed							NA	NA	NA	NA	Box Culvert		
**	(25+067)		1X4.2m	COS : Converted Into Box Culvert Recon.							NA	NA	NA	NA	Box Culvert		
3	26+901		1X3m	Completed							NA	NA	NA	NA	Slab Culvert		
**	(30+911)		1X4.2m	COS : Converted Into Box Culvert Recon.							NA	NA	NA	NA	Box Culvert		
4	COS	34+458	1X1.8m	Completed							NA	NA	NA	NA	Slab Culvert Repairing In CA		
5	47+591		1X1.5m	Completed							NA	NA	NA	NA	Slab Culvert		
6	54+136		1X1.7m	Completed							NA	NA	NA	NA	Slab Culvert (Irri. canal)		
7	COS	57+856	1X1.5m	Completed							NA	NA	NA	NA	Not In CA (Arch Culvert)		
8	59+351	59+440	1X2.5m	Completed							NA	NA	NA	NA	Box Culvert (HPC)		
9	63+785		1X0.9m	Completed							NA	NA	NA	NA	Slab Culvert		
10	65+740		1X1.2m	Completed							NA	NA	NA	NA	Slab Culvert		
11	67+130		1X1.5m	Completed							NA	NA	NA	NA	Slab Culvert		
12	71+216		2X2.4m	Completed							NA	NA	NA	NA	Slab Culvert		
Work Status : Hume Pipe Culverts (Widening & Repairing)																	
SN	CA Design Chainage	Actual Chainage As Per Site	SIZE OF CULVERTS	Head Wall					Pipe Without Encasing		Pipe Laying	Quadrant Pitching	Flex. Apron	Remarks			
				Excavation	PCC	1st Lift	2nd Lift	Final Lift	Excavation	Pipe Bedding by GM							
1	9+544	09+540	2x900 mm	Completed								NA	NA	Hume Pipe Culvert			
2	12+286	12+290	1x900 mm	Completed								NA	NA	Hume Pipe Culvert			
3	14+275	14+275	2x1200 mm	Completed								NA	NA	Hume Pipe Culvert			
4	14+801	14+800	2x1000 mm	Completed								NA	NA	Hume Pipe Culvert			
5	17+873	17+880	1x1200 mm	Completed								NA	NA	Hume Pipe Culvert			
6	19+776	19+773	1x900 mm	Completed								NA	NA	Hume Pipe Culvert			
7	20+621	20+618	1x900 mm	Completed								NA	NA	Hume Pipe Culvert			
8	20+707	20+706	1x900 mm	Completed								NA	NA	Hume Pipe Culvert			
9	27+511	27+510	1x900 mm	Completed								NA	NA	Hume Pipe Culvert			
10	28+071	28+070	1x1000 mm	Completed								NA	NA	Hume Pipe Culvert			
11	34+924	34+920	1x1000 mm	Completed								NA	NA	Hume Pipe Culvert			
12	51+523	51+525	1x900 mm	Completed								NA	NA	Hume Pipe Culvert			
13	68+204	68+183	2x1000 mm	Completed								NA	NA	Hume Pipe Culvert			
14	68+290	68+276	1x1000 mm	Completed								NA	NA	Hume Pipe Culvert			
15	69+106	69+077	1x1000 mm	Completed								NA	NA	Hume Pipe Culvert			
16	72+286	72+300	2x1000 mm	Completed								NA	NA	Hume Pipe Culvert			

Box Culvert = 2 No Slab Culverts = 9 No

Arch Culvert = 1 No HP Culvert = 16 Nos

**Yellow Shade indicates Work Done/completed In Current Month

Package UPG-01 : “Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Hamirpur-Rath Section of SH-42 from Ch. Km 2+065 to Km 74+255 in the State of Uttar Pradesh					
Work Status : Major/Minor Bridge Repairing				Work Done Upto	3/31/2021
SN	CA Design Chainage	Actual Chainage As Per Site	SPAN OF STRUCTURE	Description Of Works	Remarks
1	41+128	41+086	2x3.45m=6.90m	Completed	Minor Bridge(Irrigation Canal)
2	43+363	43+319	2x5.5m=11m	Completed	Minor Bridge(Irrigation Canal)
3	45+906	45+861	(2x4.6+4.8)m=14m	Completed	Minor Bridge(Irrigation Canal)
4	48+187	48+085	(1x4.3+1x2.3)m=6.6m	Completed	Minor Bridge
5	57+930	57+442	(2x3.825+3.85)m=11.50m	Completed	Minor Bridge(Irrigation Canal)
6	59+731	59+820	8x30m=240 m	Completed	Major Bridge

Work Status : Culverts Repairs					
SN	CA Design Chainage	Actual Chainage As Per Site	Size Of Structure	Description Of Works	Remarks
1	24+103	24+100	1x3 m	Completed	Slab Culvert
2	34+166	34+165	1x0.9 m	Completed	Pipe Culvert
**	COS (34+458)	34+450	1x1.8m	COS : Repairing Of Culvert Converted Into Widening & Repairing Of Culverts	Slab Culvert
3	35+466	35+450	1X2.5m	Completed	Slab Culvert(Irrigation canal)
4	36+264	36+263	1X1m	Completed	Pipe Culvert
5	37+986	37+285	1X1.25m	Completed	Slab Culvert(Irrigation canal)
6	41+334	41+330	1X0.75m	Completed	Slab Culvert
**	COS (41+627)	41+630	2X0.75m	COS : Repairing Of Culvert Converted Into Reconstruction Of Box Culvert	Slab Culvert
7	46+440	46+460	2X1m	Completed	Pipe Culvert
8	49+191	49+190	2X1m	Completed	Pipe Culvert
9	49+705	49+700	1X1m	Completed	Pipe Culvert
10	50+491	50+490	1X1m	Completed	Slab Culvert(Irrigation canal)
11	54+551	54+550	1X1m	Completed	Pipe Culvert
12	68+657	68+660	1X1.5m	Completed	Slab Culvert
**	COS (71+390)	71+390	1X1.5m	COS : Repairing Of Culvert Converted Into Reconstruction Of Box Culvert	Slab Culvert

Major Bridges = 1 No

Minor Bridges = 5 Nos

Culverts = 12 Nos

****Yellow Shade indicates Work Done/completed In Current Month**

Structure Details
Gola-Shahjahanpur Road (UPG/03)

**Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahjahanpur Section of SH-93
from Km 1+280 to Km 58+580 in the State of Uttar Pradesh**

Work Status : Reconstruction of Major Bridge												Progress Upto :		3/31/2021			
SN	CA Design Chainage	Actual Chainage As Per Site	TYPE OF STRUCTURE & SPAN ARRANGEMENT	PART	FOUNDATION		SUB-STRUCTURE				ABT / PIER CAP	SUPER STRUCTURE	CRASH BARRIER	Expansion Joint	Drainage Spout	REMARKS	
					Total no of Piles	No of Piles Completed	Pile Cap	1st Lift	2nd Lift	3rd Lift							
1	25+613	25+608	RCC Girder with Pile Foundation (19mx2+19.5mx4=116 m)	A1	10	10	Completed	Completed Till January ,2021				Com	Toal No Of Precast Girders = 30 Nos No Of Grders Casted = 16 Nos				Testing of One No Initial Load Test Pile Balance
				P1	4	4						Com					
				P2	4	4											
				P3	4	4											
				P4	4	4						Com					
				P5	4	4						Com					
				A2	10	10						Com					

**** Yellow Shade Indicates Work Done/Completed In Present Month**

Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93 from Km 1+280 to Km 58+580 in the State of Uttar Pradesh

Work Status : Reconstruction of Minor Bridges On Pile Foundation												Progress Upto : 3/31/2021				
SN	CA Design Chainage	Actual Chainage As Per Site	TYPE OF STRUCTURE & SPAN ARRANGEMENT	PART	FOUNDATION			SUB-STRUCTURE			ABT / PIER CAP	SUPER STRUCTURE	CRASH BARRIER	Expansion Joint	Drainage Spout	REMARKS
					Total no of Piles	No of Piles Completed	Pile Cap	1st Lift	2nd Lift	3rd Lift						
1	12+754	12+758	RCC Girder with Pile Foundation (15mx2+21mx1=51 m)	A1	10	10										1 No Initial & Rountine Pile Load Test & 2 Nos Routine Load Test Balance
				P1	4	2										
				P2	4	2										
				A2	10	10										
2	43+680	43+685	Composite Girder with Pile Foundation (45mx1=45 m)	A1	8	8	Com	Completed								1 No Initial Pile Load Test Balance
				A2	8	8	Com	Completed								
3	46+987	46+989	Composite Girder with Pile Foundation (45mx1=45 m)	A1	8	8	IP									1 No Initial Pile Load Test Balance
				A2	8	8	IP									
Work Status : Reconstruction of Box Type Minor Bridge																
SN	CA Design Chainage	Actual Chainage As Per	TYPE OF STRUCTURE	Exca- vation	PCC	Raft	Wall			Top Slab	Crash Barrier	Drainage Spout	Rigid Apron	Flexible Apron	Remarks	
							A1	P1	A2							
1	52+419	52+436	Box Bridge (6mx2=12 m)	Completed Till February,2021								IP	IP	IP		

** Yellow Shade Indicates Work Done/Completed In Present Month

Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93 from Km 1+280 to Km 58+580 in the State of Uttar Pradesh

Work Status : Cattle Under Pass										Progress Upto : 3/31/2021					
Sr. No.	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Excavation	PCC	Raft	Wall	Top Slab	Crash Barrier / Parapet	Wing Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	CUP	12+870	1x7m	Completed In March , 2021											COS
2	CUP	13+605	1x7m												COS
3	CUP	15+205	1x7m	Completed In March , 2021											COS

Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93 from Km 1+280 to Km 58+580 in the State of Uttar Pradesh

Work Status : Box Culverts & CUP										Progress Upto : 3/31/2021					
Sr. No.	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Excavation	PCC	Raft	Wall	Top Slab	Crash Barrier / Parapet	Fly Back Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	5+510	5+511	1x5m	Completed						Completed		Completed	IP		Re-construction
2	8+192	8+194	1x2m	Completed						Completed	Completed	Completed	IP	IP	Re-construction
3	12+380	12+380	1x2m	Completed						Completed	Completed	Completed	Completed	IP	Additional
**	13+000	13+000	1x2m	Deleted Due to CUP Construction											Additional
**	13+570	13+569	1x2m	Deleted Due to CUP Construction											Additional
4	14+453	14+460	1x2.5m	Completed						Completed	Completed	Completed	IP	Completed	Re-construction
5	16+791	16+798	1x1.5m	Completed						Completed		Completed	IP		Re-construction
6	19+433	19+441	1x3m	Completed						Completed		Completed			Re-construction
7	20+049	20+058	1x2m	Completed						Completed	Completed	Completed	IP		Re-construction
8	21+510	21+509	1x2m	Completed						Completed	Completed	Completed	Completed	IP	Additional
9	22+597	22+607	1x1.5m	Completed						Completed	Completed	Completed	Completed	IP	Re-construction
10	22+911	22+919	1x1.5m	Completed						Completed	Completed	Completed	IP	IP	Re-construction
11	23+975	23+985	1x2m	Completed						Completed		Completed			Re-construction
12	24+142	24+152	1x1.5m	Completed						Completed		Completed	IP		Re-construction
13	30+900	30+903	1x2m												Additional
14	33+400	33+403	1x2m	Completed						Completed		Completed			Additional
15	35+700	35+713	1x1.5m	Completed						Completed		Completed			Re-construction
16	36+200	36+203	1x2m	Completed						Completed		Completed			Additional
17	42+826	42+842	1x2m	Completed						Completed		Completed			Re-construction
18	50+576	50+595	1x3m	Completed In November ,2020						Completed	Completed	Completed	IP	Completed	Re-construction
19	54+560	54+563	1x2m	Completed In January ,2021								Completed	IP		Additional

Reconstruction Culverts = 13 Nos

Additional Culverts = 6 Nos

Total = 19 Nos

Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93 from Km 1+280 to Km 58+580 in the State of Uttar Pradesh

Work Status of Hume Pipe Culverts											Progress Upto : 3/31/2021			
SN	CA Design Chainage	Actual Chainage As Per Site	Size Of Culvert	Head Wall					Pipe Laying	Pipe Without Encasing		Quadrant Pitching	Flexible Apron	Remarks
				Exca-vation	PCC	1st Lift	2nd Lift	Final lift		Exca-vation	Pipe Bedding by GM			
1	2+760	2+799	1x1200mm	Completed						With Encasing				Additional
2	6+301	6+301	1x1200mm	Completed						With Encasing				Re-construction
3	6+609	6+609	1x1200mm	Completed						Without Encasing				Re-construction
4	7+511	7+525	1x1200mm	Completed						Without Encasing				Re-construction
5	9+258	9+261	1x1200mm	Completed						Without Encasing			IP	Re-construction
6	9+677	9+677	1x1200mm	Completed						Without Encasing				Re-construction
7	10+700	10+703	1x1200mm	Completed						With Encasing			IP	Re-construction
8	13+720	13+719	1x1200mm	Completed						Without Encasing				Additional
9	15+593	15+600	1x1200mm	Completed						With Encasing			Completed	Re-construction
10	16+183	16+170	1x1200mm	Completed						Without Encasing			Completed	Re-construction
11	16+984	16+991	1x1200mm	Completed						Without Encasing				Re-construction
12	18+050	18+057	2x1200mm	Completed						Without Encasing		Completed	IP	Re-construction
13	24+365	24+376	1x1200mm	Completed						With Encasing			IP	Re-construction
14	26+440	26+443	1x1200mm	Completed						With Encasing			IP	Additional
15	28+440	28+443	1x1200mm	Completed						With Encasing				Additional
16	30+705	30+715	1x1200mm											Re-construction
17	46+918	46+939	1x1200mm	Completed						With Encasing				Re-construction

Reconstruction Culverts = 13 Nos

Additional Culvert = 4 Nos

Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93 from Km 1+280 to Km 58+580 in the State of Uttar Pradesh

Work Status of (Widening+Repair) of Minor Bridge														Progress Upto : 3/31/2021
SN	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Excavation	PCC	Raft	Side Wall	Slab	Crash Barrier	Wing Wall	Curtain Wall	Rigid Apron	Flexible Apron	
1	1+400	1+399	1x8.8m	WorkIn Progress On Both Side							IP	IP		
2	7+160	7+162	2x6.3m+1x6.6 m =19.20m	Completed In November,2020							Com(LHS)			
3	49+409	49+426	1x7.2m+1x7.6m+1x6.1m =20.90 m	Completed							Com(LHS)	Com (LHS)		

**** Yellow Shade Indicates Work Done/Completed In Present Month**

Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93 from Km 1+280 to Km 58+580 in the State of Uttar Pradesh

Work Status : Box / Slab Culverts (Widening & Repairing) Progress Upto : 3/31/2021

Sr. No.	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Exca - vation	PCC	Raft	Wall	Slab	Crash Barrier	Wing Wall	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	1+769	1+768	1x1.8m								Completed			Box Culvert
2	3+170	2+692	1x2m											Box Culvert
3	3+441	3+441	1x2m	Completed In Nov ,2020						IP	Completed	IP		Box Culvert
4	4+139	4+140	1x1.5m											Box Culvert
5	7+865	7+865	1x2m											Box Culvert
6	11+303	11+306	1x2m								N/A			Slab Culvert
7	11+878	11+881	1x2m											Box Culvert
8	17+362	17+368	1x4m	Completed						Completed	Completed	Com	Com	Box Culvert
9	20+817	20+826	1x2m	Completed						Completed	Completed	Com	Com	Box Culvert
10	27+984	27+993	1x1.5m	Completed						Completed	Completed			Box Culvert
11	29+174	29+183	1x2m	Completed						NR	Completed			Box Culvert
12	32+134	32+146	1x4m	RHS Completed										Box Culvert
13	37+936	37+950	1x4m	Completed						Completed	Completed			Box Culvert
14	38+817	38+831	1x2m	Completed						IP	N/A			Slab Culvert
15	39+487	39+501	2x1.8m	Completed In January,2021						IP	N/A			Slab Culvert
16	40+675	40+690	1x1.5m	Completed						Completed	Completed			Box Culvert
17	41+177	41+189	1x2m	Completed						Completed	N/A			Slab Culvert
18	41+221	41+236	1x1.5m	Completed						Completed	Completed			Box Culvert
19	42+025	42+028	1x2m	Completed						Completed	N/A			Slab Culvert
20	42+598	42+614	1x2m	Completed						Completed	N/A			Slab Culvert
21	43+025	43+041	1x2m	Completed						Completed	N/A			Slab Culvert
22	43+188	43+204	1x4m	Completed						Completed	Completed			Box Culvert
23	44+155	44+171	1x4m	Completed							N/A			Slab Culvert
24	44+534	44+550	1x2m	Completed							N/A			Slab Culvert

Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93 from Km 1+280 to Km 58+580 in the State of Uttar Pradesh

Work Status : Box / Slab Culverts (Widening & Repairing) Progress Upto : 3/31/2021

Sr. No.	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Exca - vation	PCC	Raft	Wall	Slab	Crash Barrier	Wing Wall	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
25	44+971	44+987	1x1.8m	Completed							N/A			Slab Culvert
26	45+536	45+553	1x2m	Completed							N/A			Slab Culvert
27	46+058	46+075	1x2m	Completed							N/A			Slab Culvert
28	47+267	47+284	1x1.5m	Widening Not Required										Box Culvert
29	48+117	48+134	1x2m	Completed						Completed	Completed			Box Culvert
30	48+873	48+890	1x1.5m	Completed							N/A			Slab Culvert
31	50+015	50+033	1x2m	Completed						Completed	Completed			Box Culvert
32	51+466	51+484	1x1.5m	Completed						Completed	Completed			Box Culvert
33	53+777	53+796	1x1.5m	Completed						Completed	Completed			Box Culvert
34	55+404	55+425	1x1.5m	Completed						Completed	Completed			Box Culvert (Only LHS Widening)
35	57+864	57+884	1x1.5m	Completed						IP	Completed			Box Culvert

Work Status : HP Culverts (Widening & Repairing)

SN	CA Design Chainage	Actual Chainage As Per Site	Size Of Culvert	Head Wall					Pipe Wthout Encasing		Pipe Laying	Quadrant Pitching	Flexible Apron	Remarks	
				Excavation	PCC	Ist Lift	2nd Lift	Final Lift	Excavation	Pipe Bedding by GM					
1	46+189	46+204	1x1000 mm	Completed											Hume Pipe Culvert

Box Culvert = 22 Nos

Slab Culverts = 13 Nos

HP Culvert = 1 Nos

Total = 36 Nos

**Package UPG-03: "Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Gola -Shahajhanpur Section of SH-93
from Km 1+280 to Km 58+580 in the State of Uttar Pradesh**

Work Status : Minor Bridge Repairs **Progress Upto : 3/31/2021**

SN	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Details Of Work Done	Remarks
1	18+870	18+878	2x3.05m=6.10 m	Crash Barrier	Retained With Repair
2	34+042	34+054	2x2.55m+3m =8.10m		Retained With Repair
3	35+238	35+250	2x2.7m+1x3m = 8.40 m	Crash Barrier	Retained With Repair
4	39+835	39+850	2x2.75m+1x3.2m = 8.70 m	Crash Barrier	Retained With Repair
5	41+674	41+689	2x2.75m+1x3.2m = 8.70 m		Retained With Repair

Work Status : Culverts Repairs

SN	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Details Of Work Done	Remarks
1	4+534		3x1.80m =5.40m	Crash Barrier	Arch Type Culvert
2	4+937		1x2.4m		Arch Type Culvert
3	7+849	7+851	1x4m	Crash Barrier	Slab Culvert
4	8+806	8+808	1x2m	Crash Barrier	Slab Culvert
5	10+214	10+216	1x1m	Crash Barrier	Slab Culvert
6	11+680	11+683	1x1.8m	Crash Barrier	Slab Culvert
7	44+059	44+075	1x2m		Slab Culvert
8	46+686		1x1.8m		Arch Type Culvert
9	56+136	56+156	1x1.5m	Crash Barrier	Slab Culvert
10	57+126	57+146	1x2m		Slab Culvert

Minor Bridges Repair = 5 Nos

Culverts Repair = 10 Nos

Total = 15 Nos

Structure Details
Badaun-Bils-Bijnaour Road (UPG/04)

Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsi-Bijnaour Section of SH-51 from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh

Work Status : Reconstruction of Minor Bridge

Progress Upto

3/31/2021

Sr. No.	CA Design Chainage	Actual Chainage As Per Site	TYPE OF STRUCTURE	PART	Excavation	PCC	Raft	Wall	Deck Slab	Crash Barrier / Parapet	Return Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	120+468		Box Type Bridge (4x11.25 m) =45m)	A1	Completed											Pile Foundation Bridge In CA Is Converted Into Box Type Brige
				P1												
				P2			Completed									
				P3												
				A2												
2	130+021		Box Type Bridge (2x8.5 m) =17 m)	A1	Completed			IP								
				P1												
				A2												

****Yellow Shade indicates Work Done/Completed In Current Month**

Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsi-Bijnaour Section of SH-51 from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh															
Work Status : Box Culverts (Reconstruction & Additional)										Progress Upto :			3/31/2021		

SN .	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Excavation	PCC	Raft	Wall	Deck Slab	Crash Barrier / Parapet	Return Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	80+265		1X1.5m	Completed In November ,2020											Re-construction
2	85+797		1X1.5m	Completed In October,2020											Re-construction
**	86+226		1X1.5m	Converted Into Box Culvert Widening											Re-construction
3		86+867	1x3.5 m	Completed					Completed						Widening In CA Converted Into Reconstruction
4	93+068		1X1.5m	Completed											Re-construction
5	95+115		1x2m	Completed											Additional
6	101+864		1x2m	Completed											Additional
7	112+644		1x2m	Completed											Additional
8	113+813		1X1.5m	Completed											Re-construction
9	118+784		1x2m	Completed											Additional
10	125+076		1X1.5m	Completed											Re-construction
11	125+302		1X1.5m												Re-construction

Reconstruction Culverts = 7 Nos

Additional Culverts = 4 Nos

****Yellow Shades indicates Work Done/Completed In Current Month**

Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsa-Bijnour Section of SH-51 from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh													
Work Status : Hume Pipe Culverts (Reconstruction & Additional)										Progress Upto : 3/31/2021			
SN.	CA Design Chainage	Actual Chainage As Per Site	Size Of Culvert	Head Wall					Pipe Laying	Pipe Encasing	Quadrant Pitching	Flexible Apron	Remarks
				Excavation	PCC	1st Lift	2nd Lift	Final lift					
1	59+332		1x1200mm	Completed In December,2020						With Encasing			Recon.
2	60+685		1x1200mm	Completed In December,2020						Without Encasing			Recon.
3	61+047		1x1200mm	Completed In December,2020						Without Encasing			Recon.
4	61+226		1x1200mm	Completed In December,2020						With Encasing			Recon.
5	62+041		1x1200mm	Completed In Nov ,2020						With Encasing			Recon.
6	62+788		1x1200mm	Completed In Nov ,2020						With Encasing			Recon.
7	63+206		1x1200mm	Completed In December,2020						With Encasing			Recon.
8	64+469		1x1200mm	Completed In December,2020						With Encasing			Recon.
9	67+065		1x1200mm	Completed In October,2020						With Encasing			Recon.
10	67+537		1x1200mm	Completed In September,2020						Without Encasing			Recon.
11	68+010		1x1200mm	Completed In Nov ,2020						With Encasing			Recon.
12	68+364		1x1200mm	Completed In Nov ,2020						Without Encasing			Recon.
13	68+563		1x1200mm	Completed In October,2020						With Encasing			Recon.
14	69+074		1x1200mm	Completed In October,2020						With Encasing			Recon.
15	69+833		4x1200mm	Completed In October,2020						With Encasing			Recon.
16	69+955		3x1200mm	Completed In September,2020						Without Encasing			Recon.
17	71+064		1x1200mm	Completed In September,2020						Without Encasing			Additional
18	71+714	115+690	1x1200mm	Completed In August ,2020						Without Encasing			Additional ,(Shifted to 115+960)
19	72+434		1x1200mm	Completed In September,2020						With Encasing			Additional
20	73+873	73+888	1x1200mm	Completed In August ,2020						With Encasing			Recon.
21	74+674	74+691	1x1200mm	Completed In August ,2020						With Encasing			Recon.
22	75+964	76+140	1x1200mm	Completed In September,2020						With Encasing			Additional (Shifted to 76+140)
23	76+332		1x1200mm	Completed In September,2020						With Encasing			Recon.(No Headwall , Drain to Drain)
24	77+784	77+796	1x1200mm	Completed In August ,2020						With Encasing			Additional
25	79+522	79+533	1x1200mm	Completed In August ,2020						With Encasing			Recon.
26	80+522	80+538	1x1200mm	Completed						With Encasing			Recon.
27	81+090	80+015	1x1200mm	Completed In August ,2020						With Encasing			Additional , Shifted to 80+015
28	82+693	82+708	1x1200mm	Completed						With Encasing			Recon.
29	83+344	83+344	1x1200mm	Completed In August ,2020						Without Encasing			Additional
30	84+784	84+777	1x1200mm	Completed						With Encasing			Additional
31	86+037		1x1200mm	Completed In September,2020						With Encasing			Recon.(No Headwall , Drain to Drain)
32	91+362	91+286	1x1200mm	Completed In September,2020						With Encasing			Recon.(No Headwall , Drain to Drain)
33	91+569		1x1200mm	Completed In Nov ,2020						With Encasing			Recon.
34	94+277	94+290	1x1200mm	Completed						With Encasing			Recon.
35	95+998	96+007	1x1200mm	Completed						With Encasing			Recon.
36	96+434	96+450	1x1200mm	Completed						With Encasing			Additional
37	97+564	97+550	1x1200mm	Completed						With Encasing			Additional
38	98+110		1x1200mm	Completed						Without Encasing			Additional
39	99+064	99+076	1x1200mm	Completed						With Encasing			Recon.
40	100+069	100+080	1x1200mm	Completed						Without Encasing			Recon.
41	100+942	100+954	1x1200mm	Completed						With Encasing			Recon.
42	101+124	101+136	1x1200mm	Completed						With Encasing			Recon.

Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsi-Bijnaour Section of SH-51 from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh

Work Status : Hume Pipe Culverts (Reconstruction & Additional) **Progress Upto : 3/31/2021**

SN.	CA Design Chainage	Actual Chainage As Per Site	Size Of Culvert	Head Wall					Pipe Laying	Pipe Encasing	Quadrant Pitching	Flexible Apron	Remarks
				Excav-ation	PCC	1st Lift	2nd Lift	Final lift					
43	102+648	102+661	2x1200mm			Completed				With Encasing			Recon.
44	103+702	103+712	2x1200mm			Completed				Without Encasing			Recon.
45	104+591		1x1200mm			Completed				Without Encasing			Recon.(No Headwall , Drain to Drain)
46	105+544		1x1200mm			Completed				Without Encasing			Additional
47	106+030		1x1200mm			Completed				With Encasing			Additional
48	107+230	107+238	1x1200mm			Completed				With Encasing			Recon.
49	107+638	107+647	2x1200mm			Completed				With Encasing			Recon.
50	109+393		1x1200mm			Completed				Without Encasing			Recon.(No Headwall , Drain to Drain)
51	111+180		1x1200mm			Completed				Without Encasing			Additional
52	114+364	114+360	1x1200mm			Completed				Without Encasing			Additional
53	115+100		1x1200mm			Completed				With Encasing			Recon.(No Headwall , Drain to Drain)
54	116+800	116+811	1x1200mm			Completed				Without Encasing			Recon.
55	117+640		1x1200mm			Completed				Without Encasing			Additional
56	118+100	118+143	1x1200mm			Completed				With Encasing			Recon.
57	119+574	119+581	1x1200mm			Completed				Without Encasing			Recon.
58	121+775	109+900	1x1200mm			Completed In August ,2020				Without Encasing			Additional
59	122+825	122+831	1x1200mm			Completed				With Encasing			Recon.
60	123+780		1x1200mm			Completed				With Encasing			Additional
61	124+230		1x1200mm			Completed In August ,2020				With Encasing			Recon. , Drain to Drain
62	126+384		1x1200mm			Completed				Without Encasing			Additional
63	127+560	127+550	1x1200mm			Completed				With Encasing			Additional
64	128+668	128+710	1x1200mm			Completed				With Encasing			Recon.
65	131+790	131+795	1x1200mm			Completed				Without Encasing			Additional
66	132+604	132+597	1x1200mm			Completed				Without Encasing			Additional
67	133+296	133+299	1x1200mm			Completed				With Encasing			Recon.
68	134+754		1x1200mm			Completed				With Encasing			Additional
69	136+484		1x1200mm			Completed				With Encasing			Additional

Reconstruction Culverts = 45 Nos

Additional Culverts = 24 Nos

****Yellow Shades indicates Work Done/Completed In Current Month**

Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsi-Bijnaour Section of SH-51 from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh															
Work Status : Slab Culverts (Reconstruction)												Progress Upto :		3/31/2021	
SN	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Excavation	PCC	Raft	Abutment Wall	Top Slab	Crash Barrier / Parapet	Return Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	65+725		1x1.5m	Completed In December ,2020						Com					Re-construction
2	87+163		1x1.5m	Completed In October,2020											Re-construction
3	91+192		2x1.5m	Completed In Sep,2020											Re-construction
4	108+990	Shifted to 86+765	1x1.5m	Completed In February ,2021											Re-construction
5	135+265		1x1.5m	Completed											Re-construction
6	136+983		1x1.5m												Re-construction

****Yellow Shade indicates Work Done/Completed In Current Month**

**Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsi-Bijnaour Section of SH-51
from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh**

Work Status : (Widening+Repair) of Minor Bridge

Progress Upto : 3/31/2021

SN	CA Design Chainage	Actual Chainage As Per Site	Span Arrangement	Excavation	PCC	Raft	Abutment Wall	Deck Slab	Crash Barrier	Drainage Spout	Wing Wall	Remarks
1	103+452		1x8.00 m	Completed In February ,2021								Widening +Repair

****Yellow Shade indicates Work Done/Completed In Current Month**

Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsi-Bijnaour Section of SH-51 from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh

Work Status : Box/Slab Culverts (Widening & Repairing) **ProgressUpto 3/31/2021**

Sr. No.	CA Design Chainage	Actual Chainage As Per Site	SPAN ARRANGEMENT	Excavation	PCC	Raft	Wall	Slab	Crash Barrier	Return Wall	Quadrant Pitching	Curtain Wall	Rigid Apron	Flexible Apron	Remarks
1	58+882		1x1.5m	Completed In December,2020						IP					Slab Culvert
2	59+822		1x1.5m	Completed In December,2020						IP					Slab Culvert
3	60+213		1x0.9m	Completed In December,2020						IP					Slab Culvert
4	61+536		1x0.9m	Completed In December,2020						IP					Slab Culvert
5	61+955		1x0.9m	Completed In Nov,2020						IP					Slab Culvert
6	62+532		1x0.9m	Completed In Nov,2021						IP					Slab Culvert
7	63+775		1x1.5m	Completed In December,2020						IP					Slab Culvert
8	64+918		1x1.5m	Completed In December,2020											Slab Culvert
9	69+035		1x1.5m	Completed In Sep,2020											Slab Culvert
10	76+718		1x0.9m	Completed In Sep,2020											Slab Culvert
11	78+477		1x1.5m	Completed In October,2020											Slab Culvert
12	80+344		2x1.8m	Completed In October,2020											Slab Culvert , Widening on LHS Only
13		86+226	1x1.5m	Completed In March ,2021											
**	86+867		1x3.5m	Converted Into Box Culvert Reconstruction											Slab Culvert
14	88+867		1x0.9m	Completed In Nov, 2020						IP					Slab Culvert
15	89+045		1x1.0m	Completed In March ,2021											Slab Culvert
16	90+485		1x3.0m												Box Culvert

Work Status : HP Culverts (Widening & Repairing)

SN	CA Design Chainage	Actual Chainage As Per Site	Size Of Culvert	Head Wall					Pipe Without Encasing		Pipe Laying	Quadrant Pitching	Flexible Apron	Remarks
				Excavation	PCC	1st Lift	2 nd Lift	Final Lift	Excavation	Pipe Bedding by GM				
1	94+350	94+364	1x1000mm	Completed										Both Side Widening
2	110+647	110+658	2x1000mm	Completed										Only LHS Widening
3	129+171	129+176	3x1000mm	Completed										Both Side Widening

Box Culvert = 1 No

Slab Culverts = 15 No

HP Culvert = 3 Nos

****Yellow Shade indicates Work Done/Completed In Current Month**

Package UPG-04 : Engineering Procurement and Construction Contract for Up-gradation and Maintenance of Badaun-Bilsi-Bijnaour Section of SH-51 from Ch. Km.58+400 to Ch. Km. 137+820 In the State of Uttar Pradesh

Work Status : Major/Minor Bridge Repairs					Progress Upto	3/31/2021
SN	CA Design Chainage	Actual Chainage As Per Site	Span Arrangement	Details Of Rehabilitation Work Done	Remarks	
1	89+864		2.80mx3= 8.40 m	Paraprt Replacement with Crash Barrier	Minor Bridge	

Work Status : Culverts Repairs					
SN	CA Design Chainage	Actual Chainage As Per Site	Span Arrangement	Details Of Rehabilitation Work Done	Remarks
1	66+960		1x1200 mm		Pipe Culvert
2	87+936		1x3m	Paraprt Replacement with Crash Barrier	Slab Culvert
3	125+222		1x1.1m		Slab Culvert

Minor Bridges = 1 Nos
 Culverts = 3 Nos