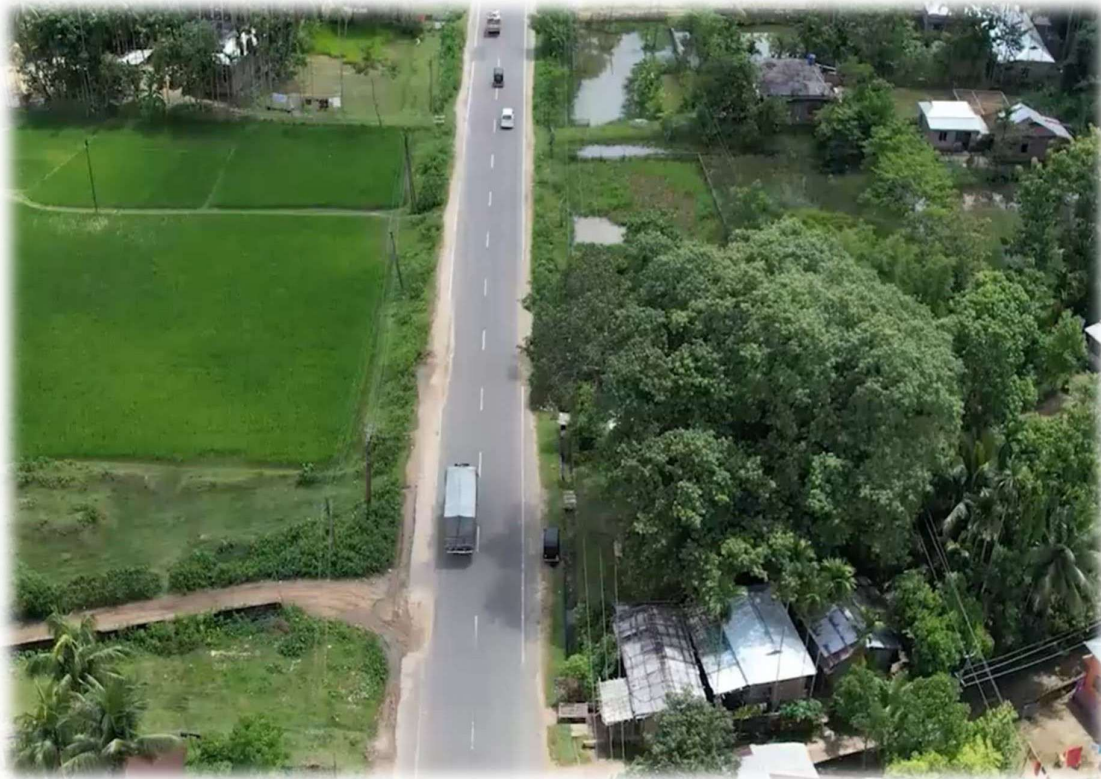


Monthly Progress Report

August - 2025



Authority	 BUILDING INFRASTRUCTURE - BUILDING THE NATION	National Highways Infrastructure Development Corporation Limited
Independent Engineer	 AGNITIO	M/s Agnitio Infrastructure Projects Pvt. Ltd. in JV with M/s Ayoleeza Consultants Pvt. Ltd.
Concessionaire	 MKC Since-1963	MKC Badarpur Churaibari Kamakhya Highways Pvt. Ltd.

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Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

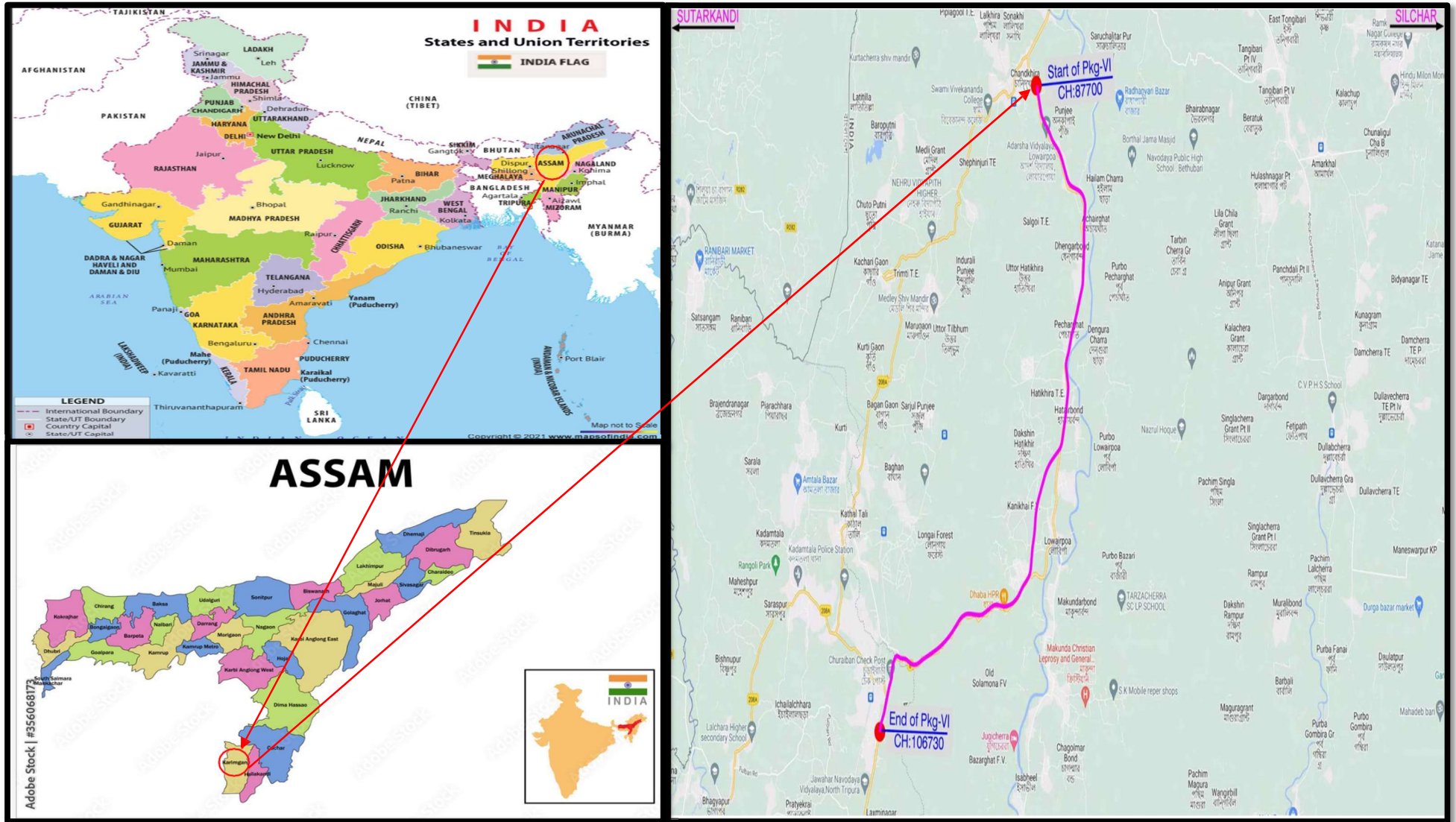
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Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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PROJECT ROAD LOCATION MAP / INDEX MAP



Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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EXECUTIVE SUMMARY

The Concessionaire has signed the Concession Agreement with National Highway Infrastructure Development Corporation Limited (NHIDCL) on dated May 31, 2024. This Executive Summary presents the works progress of the Project Highway during the construction period from March 7, 2025 to March 7, 2027.

1. The Project Road:

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

2. Mobilization:

The Concessionaire has mobilized the required Engineers/ Staff Personnel, Machineries/Equipment's, Plants and established main Base Camp at CH: - 88+700 RHS (Chandkhira).

The details of Key staff personnel deployed are highlighted in the Chapter-6 of this report. The details of deployed Plants and Machineries are included in Chapter-7 of this report.

3. Pre-Construction Activity:

The Details of pre-construction activities have been included in Chapter-5 of this report.

4. EPC Contractor:

MKC Infrastructure Limited

5. Status of Project Works Progress:

The Details of project highway works have been included in Chapter-09 of this report.

6. Design and Drawing

The status of approval of Working Drawings for road works and structures submitted to Authority as on dated 31-07-2025 is given below.

Sr. No.	Description	UoM	Scope	Submitted	Approved	Balance	Remarks
1.	Plan & Profile (MCW)	Km.	18.800	18.800	18.800	0.00	
2.	Plan & Profile (SR)	Km.	10.440	10.440	10.440	0.00	
3.	RE Wall	Nos	5.0	3.0	0.00	2.0	
4.	Minor Bridge	Nos.	24.00	20.00	18.00	6.00	
5.	Underpass	Nos.	6.00	6.00	06.00	0.00	
6.	Box-Culvert	Nos.	38.00	38.00	38.00	0.00	
7.	HPC	Nos.	10.00	08.00	08.00	2.00	

The details of design and drawing status have been included in this report on Chapter 8.

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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7. Work Program:

At the time of commencement of works, the Concessionaire submitted the Stage wise completion schedule Work Program Vide Letter No. MKCIL/ASSAM/PKG-06/201, dated 18.04.2025 for Authority/IE's approval. Based on the monthly works plan, the works is being carried out by the Concessionaire.

8. Quality Control and Material:

The works is being carried out by the Concessionaire as per Quality Assurance Plan submitted to Authority Vide Letter MKCIL/ASSAM/PKG-06/169 on dated 01.04.2025. Each construction activity is being checked/verified as per the RFI's submitted to Authority/IE by the Concessionaire.

9. Supervision and Monitoring of Project works:

The Authority/ IE along with the concessionaire is supervising and monitoring the execution of works as per requirements of Standard/ Specifications. The monitoring of works is being carried out through the RFI submitted by the Concessionaire and its approval/ rejection after necessary checking/ verification by the Authority/ IE.

10. Site Visit and Meeting:

The Authority/ IE Engineers are regularly visiting the Project Highway.

11. Schedule Completion Date:

As per Schedule-G of the Concession Agreement shall occur on the 730th day from the Appointed Date. The declared Appointed Date being March 7, 2025, the Scheduled completion Date shall occur on March 7, 2027.

12. Operation and Maintenance (O&M):

O&M Obligations – During Operation Period, the Concessionaire shall operate and maintain the project in accordance with this Agreement either by itself, or through the O&M Contractor and if required, modify repair or otherwise make improvements to the Project to comply with the provisions of this Agreement, Applicable Laws and Applicable Permits, and conform to Specifications and Standards and Good industry Practice. The obligations of the concessionaire shall be as per Article 17.

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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13. Area of Concern/ Availability of site for work:

Procurement of ROW- The existing ROW and the stretches of 12.00 km. are subjected to following:

a) Stretches/ Hindered Free Land out of 18.800 km:

Stretches/ Encumbrances Free Land				Encumbrances/ Hindered Land		
Sr. No.	Side	Length (Km)	%	Side	Length (Km)	%
1.	BHS	12.50	66.47.00%	BHS	6.30	33.53%

b) Hindered due to Tree Cutting:

Description	Total Nos.	Impacted Length (km)	Remark
Total Trees	691	5.95	

c) Encumbrances due to Religious structures etc.:

Sr. No.	Types	Chainage	Side	Remarks
1.	Grave	87+800	RHS	
2.	Small Temple without Shed	88+480	LHS	
3.	Bhagwati Temple	89+750	LHS	
4.	Vishwakarma Temple	90+390	LHS	
5.	Temple Building	92+360	LHS	
6.	Temple	92+780	LHS	
7.	Shiv & Kali Temple	94+200	RHS	
8.	Small Temple Structure	94+300	RHS	
9.	Temple	94+700	RHS	
10.	Temple	94+760	LHS	
11.	Sai Temple	95+280	RHS	
12.	Jama Masjid	95+650	RHS	
13.	Temple	95+750	RHS	
14.	Bishnu Temple	100+800	LHS	
15.	Old Temple Shed & Pipal Tree	102+610	RHS	
16.	Shiv Temple Shed	104+400	LHS	
17.	Temple Building	105+800	RHS	
18.	Shiv Temple	106+390	LHS	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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d) Details of Hindered Land:

DETAILS OF ENCUMBRANCES WITHIN ROW											
Sr. No	Chainage		Side	Total Length (KM)	Remark		Chainage		Side	Total Length (KM)	Remark
	From	To					From	To			
1	87+700	87+750	LHS	0.050	structure		88+000	88+040	RHS	0.040	structure
2	88+010	88+100	LHS	0.090	structure		88+910	88+970	RHS	0.060	structure
3	88+530	88+570	LHS	0.040	structure		90+100	90+270	RHS	0.170	structure
4	88+960	88+980	LHS	0.020	structure		90+500	90+600	RHS	0.100	structure
5	89+390	89+530	LHS	0.140	structure		91+100	91+200	RHS	0.100	structure
6	89+700	89+830	LHS	0.130	structure		91+300	91+340	RHS	0.040	structure
7	89+870	89+900	LHS	0.030	structure		91+700	91+800	RHS	0.100	structure
8	90+030	90+060	LHS	0.030	structure		92+290	92+320	RHS	0.030	structure
9	90+080	90+100	LHS	0.020	structure		92+430	92+450	RHS	0.020	structure
10	90+130	90+180	LHS	0.050	structure		92+580	92+640	RHS	0.060	structure
11	90+200	90+430	LHS	0.230	structure		92+780	92+800	RHS	0.020	structure
12	90+800	90+900	LHS	0.100	structure		92+900	93+000	RHS	0.100	structure
13	91+100	91+200	LHS	0.100	structure		93+430	93+460	RHS	0.030	structure
14	91+530	91+630	LHS	0.100	structure		93+950	94+000	RHS	0.050	structure
15	91+700	91+920	LHS	0.220	structure		94+540	94+560	RHS	0.020	structure
16	92+370	92+400	LHS	0.030	structure		94+620	94+640	RHS	0.020	structure
17	93+500	93+530	LHS	0.030	structure		95+100	95+200	RHS	0.100	structure
18	93+740	93+760	LHS	0.020	structure		95+650	95+680	RHS	0.030	structure
19	94+200	94+400	LHS	0.200	structure		95+700	95+850	RHS	0.150	structure
20	94+480	94+500	LHS	0.020	structure		100+430	100+450	RHS	0.020	structure
21	94+630	94+700	LHS	0.070	structure		100+500	100+600	RHS	0.100	structure
22	95+250	95+350	LHS	0.100	structure		100+720	100+800	RHS	0.080	structure
23	95+480	95+500	LHS	0.020	structure		100+950	101+050	RHS	0.100	structure
24	95+600	95+795	LHS	0.195	structure		102+208	106+500	RHS	4.292	structure
25	100+700	100+850	LHS	0.150	structure						
26	100+950	101+050	LHS	0.100	structure						
27	101+230	101+350	LHS	0.120	structure						
28	101+920	102+000	LHS	0.080	structure						
29	102+208	106+500	RHS	4.292	structure						
Total Hindered Length				6.777	LHS					5.832	RHS
Total Length BHS in RMT				12.609							

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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14. Current Issues: -

a) Non-availability of land: - As per the Concession Agreement, 100% of the land is to be handed over to the Concessionaire within 90 days from the Appointed Date. However, only approximately 66.47% of the land is currently free from encumbrances.

b) Water logging in PROW: - Due to heavy rainfall, water has accumulated along almost the entire length of the project within the ROW, which has hampered construction activities.

c) Proposal of COS: - The proposal of Change of scope for unsuitable soil is still pending by the end of IE/authority.

d) Remark of joint inspection- The remark of the joint inspection, referenced under letter no. **MKCIL/ASSAM/PKG-06/250**, for the existing minor bridge at location **98+267** is still pending by the end IE.

CHAPTER-1

INTRODUCTION

General

The NHIDCL proposes to implement the development, maintenance, and management of the NH-37 & NH-8 stretch from Silchar to Churibari and spur from Karimganj to Sutarkandi from chainage Km. 38.600 to Km. 106.500 into 4-lane access-controlled corridor. The proposed project road has been selected to improve connectivity and reduce travel time from Assam to Tripura. Also, this connectivity will improve international road connectivity between India and Bangladesh. To achieve the above task, NHIDCL has appointed M/s. Aarvee Associates Architects Engineers and Consultants Pvt. Ltd. The Letter of Acceptance was communicated vide letter No. NHIDCL / Assam / DPR / Silchar Churaibari /222542/ 2581 and the agreement was signed on September 1, 2023. The entire project is divided into 5 packages.

Project Overview

As described earlier the project road lies on NH8 and connects Chandkhira village to Churaibari village (Assam Tripura border). The proposed alignment passes through Karimganj district in the state of Assam connecting villages Chandkhira, Lowairpoa, Dakhin Hatikhira etc.

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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CHAPTER-2

CONTRACT DATA

Sr. No.	Items	Description
1.	Name of Project	Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km).
2.	Project Length	18.80 km
3.	Project Bid Cost	449.89 Cr.
4.	Authority	National Highways & Infrastructure Development Corporation Limited
5.	Independent Engineer	M/s Agnitio Infrastructure Projects Pvt. Ltd. in JV with M/s Ayoleeza Consultants Pvt. Ltd.
6.	Concessionaire	MKC Badarpur Churaibari Kamakhya Highways Private limited
7.	Design Consultant	Geo Designs & Research Pvt. Ltd.
8.	DPR Consultant	Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
9.	LOA No. & Date	NHIDCL/Procurement/Assam/2023-24/228965/3086 dated 11.03.2024
10.	Date of Concession Agreement	May 31, 2024
11.	Appointed Date	March 7, 2025
12.	Construction Period	730 days (from Appointed Date) [24-Months]
13.	Schedule Completion Date	March 7, 2027
14.	O&M Period	15 Years from the date of COD

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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15	Project Milestone	
	Milestone- I	The Project Milestone-I shall occur on the date falling on the 256th (two hundred and fifty sixth) day from the Appointed Date (i.e., November 18, 2025)- (The concessionaire shall have expended not less than 20% of the total capital cost set forth in the Financial Package and the Concessionaire shall have commenced construction of the Project and achieved 20% Physical Progress)
	Milestone- II	438th Day from Appointed Date (i.e., May 19, 2026)- (Prior to the occurrence of Project Milestone-II, the Concessionaire shall have expended not less than 35% of the total capital cost set forth in the Financial Package. Provided, however, that at least 70% of the expenditure referred to hereinabove shall have been incurred on physical works which shall not include advances of any kind to any person or expenditure of any kind on plant and machinery and the concessionaire shall have commenced construction of the project and achieved 35% Physical Progress.).
	Milestone- III	620th Day from Appointed Date (i.e., November 17, 2026) (The concessionaire shall have commenced construction of all Project Facilities and expended not less than 75% of the total capital cost set forth in the Financial Package and the concessionaire shall have commenced construction of the Project and achieved 75% Physical Progress).
	Scheduled Completion Date	730th Day from Appointed Date (i.e., March 7, 2027) The concessionaire shall have completed the Project in accordance with the Concession Agreement.

CHAPTER -3

SALIENT FEATURES OF PROJECT HIGHWAY

3.1 Pavement Composition (For Main Carriage Way/ Service Road)

Section	Design Chainage		Stretch in Km.	Sub-Grade	R-GSB	R-WMM	DBM	BC
	From	To						
MCW	87+700	106+500	18.800	500.00	205.00	185.00	50.00	30.00
				Sub-Grade	R-GSB	R-WMM	BC	
Service Road				500.00	200.00	150.00	30.00	

3.2 Details of New/ Widening of Structures and Project Facilities to be constructed along the project Highway:

Sr. No.	Description		Unit	As per CA	Remarks
1.	Minor Bridge	Reconstruction	Nos.	10.00	
		Retained and widened	Nos.	9.00	
		New Construction	Nos.	5.00	
2.	VUP	New Construction	Nos.	2.00	
3.	LVUP	New Construction	Nos.	4.00	
4.	Box Culvert	Reconstruction	Nos.	25.00	
		Widening	Nos.	6.00	
		New Construction	Nos.	7.00	
5.	Hume Pipe Culvert	Widening	Nos.	10.00	
		Cross Road	Nos.	12.00	
6.	Minor Junction		Nos.	6.00	
7.	W-beam Single faced metal crash barrier		Rmt.	22662.00	
8.	Drain (covered)		Rmt.	20.900	

CHAPTER -4

SCOPE OF THE WORKS AND PROJECT FACILITIES

4.1 Scope of Works

The Schedule-B of the Concession Agreement specifies the scope of works. The broad scope of the works includes the following:

- Reconstruction of existing 2 lane carriageway to 4 lane divided carriageway including strengthening existing carriageway by providing bituminous overlays in accordance with the Specifications and Standards.
- Construction of 24- Minor Bridge, 6- Underpasses, 100- Culverts.
- Construction of Slip Road of 10.440 Km (L)

4.2 Project Facilities

The Schedule-C of the Concession Agreement specifies the project facilities to be constructed for the project highway. The project facilities include the following:

- a) Toll Plaza
- b) Roadside Furniture
 - i. Kilometer and Hectometer Stones
 - ii. Traffic Signs
 - iii. Overhead Sign
 - iv. Road Marking
 - v. Road Delineators
 - vi. Reflective Pavement Markers & Solar Studs
 - vii. Traffic Impact Attenuators
 - viii. Boundary wall and Fencing
- c) Operation and Maintenance centres
- d) Way side Amenities/ Service Areas
- e) Truck Lay-byes
- f) Bus Bay and Bus Shelter
- g) Pedestrian Facilities
- h) Highway Lighting
- i) Rainwater Harvesting
- j) Environmental Management Plan
- k) Land Scaping and Tree Plantation
- l) Advanced Traffic Management System (ATMS)
- m) Highway Petrol Unit
- n) Emergency Medical Services
- o) Crane Services

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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CHAPTER -5

PRE-CONSTRUCTION ACTIVITIES

5.1 Obligations

Obligations of Authority-

Sr. No.	Clause No.	Obligation	Status	Remark/ Reference
1	Clause 4.1.2	Condition Precedent	Not done	MKCIL/ASSAM/PKG-06/383
2	Article 11	Utilities, Associated Roads and Trees	In-progress	
3	Clause 18.1.2	Safety Consultant	Not done	
4	Article 21	Appointment of Independent Engineer	Appointed	Partially Mobilized
5	Clause 10.3	Joint Memorandum	Done	07.03.2025

Obligations of Concessionaire-

Sr. No.	Clause No.	Obligation	Status	Remark/ Reference
1	Clause 9.1	Performance Security	Done	
2	Article 11	Shifting and Relocation Electrical Utilities	Done	
3	Article 26	Insurance	Done	
4	Clause 4.1.3 (Schedule-E)	Applicable Permits	Done	
5		A permission of State Govt. for boulders extraction	Done	
6		Permission of Village Panchayet and Pollution Board for installation of crushers	Done	
7		License for use of explosives	N/A	
8		Permission of the State Govt. from drawing water from river/ reservoir	Done	
9		Labour License	Done	
10	Clause 12.1	Quality Assurance Plan	Submit	MKCIL-169 dt. 01.04.2025
11		Construction Methodology	Submit	MKCIL-178 dt. 07.04.2025

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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5.2 Shifting of Utilities

The project works includes shifting/relocation of various utility services along the project road. The details of the utilities/ Hindrances are required to be shifted/ relocated/ removed along the Project Highway is summarized below:

Sl. No.	Utility/ Hindrance Type	Unit	Qty	Status	Remark
1	EHT Crossing	Nos.	8	Approval is pending	
2	HT/ LT lines (including Transformers if any)	Nos.	741	In Progress	
3	HT/ LT crossing	Nos.	67	In Progress	
4	Water Pipeline	Km	26.98	In Progress	
5	Water Pipeline Crossing	Nos.	24	In Progress	

5.3 Tree Cutting

The tree cutting status is given below for the project highway.

Sr. No.	Description	Total	Remarks
1.	Total Number of Trees	691.00	Non Forest area
2.	Total Felling of Trees	340.00	
3.	Balance Trees	351.00	

5.4 Land Acquisition

The detailed working of Existing ROW, Proposed ROW and Land to be Acquired along the project highway are submitted by NHIDCL vide Joint Handover Memorandum on dated 7th March, 2025.

The detail of affected area for construction of the project road including various project facilities which requires prime attention to accelerate the work progress is given below.

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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HINDRANCE LIST – CHAINAGE WISE DETAILS

DETAILS OF ENCUMBRANCES WITHIN ROW											
Sr. No	Chainage		Side	Total Length (KM)	Remark		Chainage		Side	Total Length (KM)	Remark
	From	To					From	To			
1	87+700	87+750	LHS	0.050	structure		88+000	88+040	RHS	0.040	structure
2	88+010	88+100	LHS	0.090	structure		88+910	88+970	RHS	0.060	structure
3	88+530	88+570	LHS	0.040	structure		90+100	90+270	RHS	0.170	structure
4	88+960	88+980	LHS	0.020	structure		90+500	90+600	RHS	0.100	structure
5	89+390	89+530	LHS	0.140	structure		91+100	91+200	RHS	0.100	structure
6	89+700	89+830	LHS	0.130	structure		91+300	91+340	RHS	0.040	structure
7	89+870	89+900	LHS	0.030	structure		91+700	91+800	RHS	0.100	structure
8	90+030	90+060	LHS	0.030	structure		92+290	92+320	RHS	0.030	structure
9	90+080	90+100	LHS	0.020	structure		92+430	92+450	RHS	0.020	structure
10	90+130	90+180	LHS	0.050	structure		92+580	92+640	RHS	0.060	structure
11	90+200	90+430	LHS	0.230	structure		92+780	92+800	RHS	0.020	structure
12	90+800	90+900	LHS	0.100	structure		92+900	93+000	RHS	0.100	structure
13	91+100	91+200	LHS	0.100	structure		93+430	93+460	RHS	0.030	structure
14	91+530	91+630	LHS	0.100	structure		93+950	94+000	RHS	0.050	structure
15	91+700	91+920	LHS	0.220	structure		94+540	94+560	RHS	0.020	structure
16	92+370	92+400	LHS	0.030	structure		94+620	94+640	RHS	0.020	structure
17	93+500	93+530	LHS	0.030	structure		95+100	95+200	RHS	0.100	structure
18	93+740	93+760	LHS	0.020	structure		95+650	95+680	RHS	0.030	structure
19	94+200	94+400	LHS	0.200	structure		95+700	95+850	RHS	0.150	structure
20	94+480	94+500	LHS	0.020	structure		100+430	100+450	RHS	0.020	structure
21	94+630	94+700	LHS	0.070	structure		100+500	100+600	RHS	0.100	structure
22	95+250	95+350	LHS	0.100	structure		100+720	100+800	RHS	0.080	structure
23	95+480	95+500	LHS	0.020	structure		100+950	101+050	RHS	0.100	structure
24	95+600	95+795	LHS	0.195	structure		102+208	106+500	RHS	4.292	structure
25	100+700	100+850	LHS	0.150	structure						
26	100+950	101+050	LHS	0.100	structure						
27	101+230	101+350	LHS	0.120	structure						
28	101+920	102+000	LHS	0.080	structure						
29	102+208	106+500	RHS	4.292	structure						
Total Hindered Length				6.777	LHS					5.832	RHS
Total Length BHS in RMT				12.609							

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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CHAPTER -6

MOBILIZATION

6.1 Manpower Mobilization of Concessionaire

Sr. no.	Name of Employee	Designation	Department	Remark
1	Satish Kumar Pandeya	Sr. GM	Tech. & Operation	HQ
2	Ajeet Kumar Shukla	Project Manager	Project Execution	
3	Ajeet Kumar	Deputy Manager	HR/Admin	
4	Vikash Kumar Mishra	Executive	HR/Admin	
5	Amit Kumar Verma	Supervisor	Admin	
6	Rakesh Samanta	Deputy Manager	Survey	
7	Sunil Singh	Senior Surveyor	Survey	
8	Lakshman Samai	Surveyor	Survey	
9	Saurav Nayak	Junior Surveyor	Survey	
10	Vinay Ram Dubey	Assistant Manager	Liaison	
11	Gulzar Ahmed	Executive	Liaison	
12	Biswajit Santra	Manager	QA/ QC	
13	Jitendra Kumar Sah	Engineer	QA/QC	
14	Kanhaiya Singh	Lab Technician	QA/QC	
15	Shivam Dubey	Lab Technician	QA/QC	
16	Sandeep Kumar Vishwakarma	Lab Technician	QA/QC	
17	Shivam Shroshria	J.E. T	QA/QC	
18	Pritam Manna	Junior Engineer	QA/QC	
19	Debjyoti jena	Junior Engineer	QA/QC	
20	Mohan Kumar Jha	Senior Engineer	Highway	
21	Sonu	Senior Engineer	Highway	
22	Beetan Banarjee	Senior Engineer RE Wall	Highway	
23	Ashwini Gupta	Engineer	Highway	
24	Md Shariqre Alam	Jr. Engineer	Highway	
25	Pawan Gupta	Jr. Engineer	Highway	
26	Sadanand Yadav	Jr. Engineer	Highway	
27	Ram Narain Sharma	Sr. Supervisor	Highway	
28	Gopal Karol	Supervisor	Highway	
29	Surendra Sharma	Sr. Supervisor	Highway	
30	Abhijit Manna	Manager	Structure	
31	Jagdish Yadav	Senior Engineer	Structure	
32	Nilesh Kumar	Junior Engineer	Structure	
33	Barun Dubey	Junior Engineer	Structure	
34	Sumit Kumar	Junior Engineer	Structure	
35	Ankit Krishnaut	GET	Structure	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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36	Jagdish Pandey	Assistant Manager	Planning & Billing	
37	Abhay Kr. Singh	Senior Engineer	Planning & Billing	
38	Rajesh Gantayata	Assistant Engineer	Planning & Billing	
39	Abhinab Kishore	Engineer	Planning & Billing	
40	Tarun Kumar	Get	Planning & Billing	
41	Bikash Chandra Sahu	Senior Executive	IT	
42	Chandan Kumar Das	Sr. Manager	Store	
43	Santosh Kumar Jena	Manager	Store	
44	Santosh Kumar Yadav	Senior Executive	Store	
45	Ankit Kumar	Executive	Store	
46	Shiva Dutta Pani	Executive	Store	
47	Govind Ram Nagar	Officer	Store	
48	Vikas Kumar Ojha	Supervisor	Store	
49	Shailesh Kumar Singh	Supervisor	Store	
50	Ram Mohan Pandey	Supervisor	Store	
51	Sumanta Datta	Supervisor	Store	
52	Sanjay Singh	Supervisor	Store	
53	Bhaskar Ganguly	Manager	Mechanical	
54	Rajiv Ranjan	Engineer	Mechanical	
55	Sahajan Alom Choudhury	Executive	Mechanical	
56	Aman Kumar	Executive	Mechanical	
57	Debasis Sahoo	Sr, Supervisor	Mechanical	
58	Shiv Kr. Pareek	Executive	F & A	
59	Sandeep Kumar	Sr. Executive	H.S.E - Safety	
60	Shivam Singh	Junior Executive	H.S.E - Safety	
61	Rishu Kumar	Engineer	Electrical	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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6.2 Manpower Mobilization of Independent Engineer

Sl.no	Name	Designation	DOJ
1	Manoj Kumar Jha	Team Leader	01.05.2025
2	Pritam Kumar Singh	Resident Engineer	19.05.2025
3	Shankar Kumar Singh	Bridge Engineer	08.08.2025
4	Ujjwal Rout	Senior Pavement Specialist	18.08.2025
5	Bhanu Pratap Verma	SQME	04.08.2025
6	Sourav Chakraborty	Assistant Highway Engineer	15.05.2025
7	Lakhan Singh	Survey Engineer	18.08.2025
8	Pushkar Mishra	Assistant Quality Material Engineer	24.07.2025

CHAPTER-7

DEPLOYMENT OF PLANTS AND EQUIPMENT / PROJECT SET UP PLAN

7.1 Plants and Equipment Deployed: -

Sr. no.	Type of Machine	Nos	Remark
1	Excavator	11	
2	Tipper	34	
3	Farana 30 Ton capacity crane	02	
4	Hydra 14 Ton capacity	01	
5	Batching plant	01	
6	RE block Plant	01	
7	WMM Plant 250 TPH	01	
8	Soil Compactor Roller	08	
9	Mini Tandem Roller	01	
10	Motor Grader	03	
11	Transit Mixer	11	
12	Backhoe Loader	04	
13	LMV Vehicle	09	
14	Diesel Tanker	02	
15	Trailer	01	
16	DG	10	
17	Tractor	03	
18	Boom Placer	01	
19	Water Tanker	01	
20	Loader	01	
21	Paver	01	

CHAPTER-8

DESIGN AND DRAWING

The project highway has been designed for four lane divided carriageway facility with provision of central raised median of 2.5M. The Concession Agreement envisages design of the project highway by the Concessionaire. The scope of design includes the design for road works, structure works and other project facilities. The drawings need to be prepared and approved for execution of each component of the project highway.

8.1 Design

The design of road works e.g., plans and profiles, cross sections and other miscellaneous items are being prepared by the Concessionaire for approval and execution of works accordingly. Similarly, the design of various structures e.g., Major bridge, Minor bridges, Vehicular Underpasses, Box Culverts, Hume Pipe Culverts etc. are also being prepared by the Concessionaire for review by Authority/ IE.

8.2 Drawings

As per requirement of the Contract Agreement various drawings are being prepared for execution and completion of the works. The working drawings of road works and structure works are being prepared by the Concessionaire and submitted to the Authority/ Independent Engineer prior to execution of works at site.

8.3 Status of Approval of Drawings

The status of drawing submission and approval of GAD for road and structure works as on May 31, 2025, is enclosed in this chapter of the report.

Road Works

S N	Description	Unit	Total	Submitted	Approval	Review Balance	Remarks
1.	Plan & Profile MCW	Km	18.800	18.800	18.800		
2.	Plan & Profile SR	Km	10.440	10.440	10.440		
3.	Typical Cross Section	Nos	1.00	1.00	0.00		
4.	Pavement Design Report	Nos	1.00	1.00	1.00		
5.	RE Wall	Nos	05	03	-	-	
7.	Minor Junction	Nos	24.00		-	-	
8.	Signage Plan	Nos	1.00	-	-	-	
9.	Rest Area	Nos	1.00	-	-	-	

Structure Works; -

Description	Total Nos	Submitted	Approved	Remarks
LVUP	4	4	4	
VUP	2	2	2	
MNB	24	20	18	
Box Culverts	38	38	38	
Pipe Culvert	10	8	8	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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**CHAPTER-9
PROJECT WORK PROGRESS**

9.1 Work Progress:

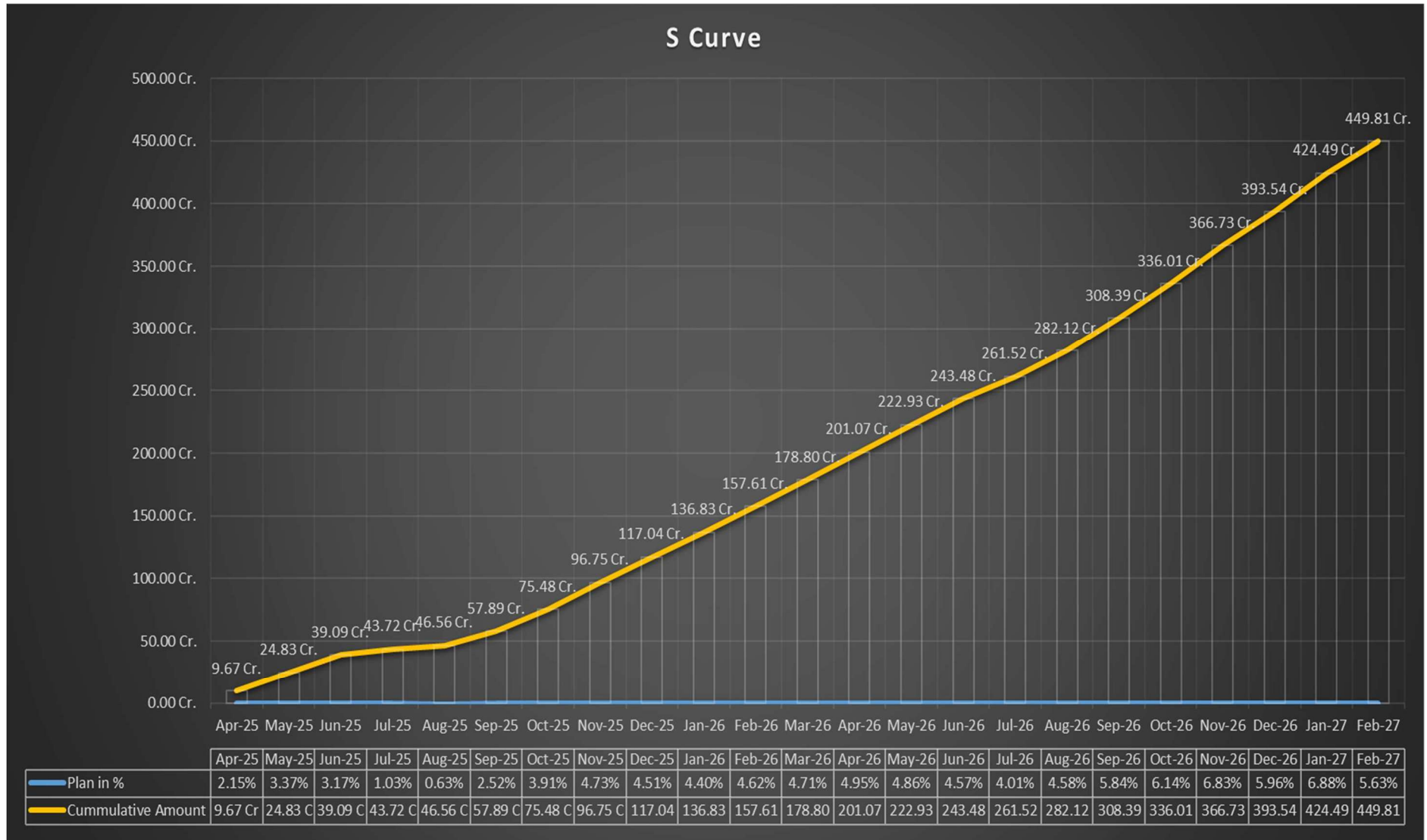
Progress as per Schedule G for the month July-2025.

Project Name :-	4-Lane of NH-8 from Design Ch. 87.700 near Chandkhira Village to Design Ch. 106.500 near Churaibari Village (Assam/Tripura Border) on Silchar-Churaibari Pkg-6 in the state of Assam (Package-VI)								
Authority Engineer	National Highways & Infrastructure Development Corporation Limited								
Independent Engineer	M/s Agnitio Infrastructure Projects Pvt. Ltd. in JV with M/s Ayoleeza Consultants Pvt. Ltd.								
Concessionaire Name	MKC Badarpur Churaibari Kamakhya Highways Private Limited								
Total Contract Price	4,49,81,00,000								
Schedule-G									
Item	Stage for measurement of Physical Progress	Unit	Qty.	Weightage in percentage to the contract price	Qty.	Physical Progress	Value of Physical Progress (%)	Remarks	
Road works including culverts, minor Bridges, underpasses, overpasses, approaches to ROB/RUB/Major Bridges/Strctures (But excluding service road)	B-New 4 Lane Realignment/Bypass								
	(1) Earthwork upto top of Sub-grade	L-Km	36.86	20.74%	4.98	13.51%	2.80%		
	(2) Granular work (Sub-base & base courses)	L-Km	36.86	14.51%					
	(3) Shoulders	L-Km	36.86	0.12%					
	(4) Bituminous Work	L-Km	37.60	7.08%					
	Sub Total-B								
	C- New Culverts, Minor Bridges, underpasses, overpasses on existing road, realignment, bypasses:								
	1) Culverts	No.	96.00	5.24%	10.00	10.42%	0.55%		
	2) Minor Bridge								
	a) Foundation	No.	84.00	9.31%	4.00	4.76%	0.44%		
	b) Sub-Structure	No.	84.00	3.48%	4.00	4.76%	0.17%		
	c) Super-Structure (including Crash Barrier etc. Complete) If pre-cast girders/ segments are used, 40% of the weightage of the stage in percentage to the bid project cost is assigned to the casting of such precast girders/ segments								
	c-i) Precast Girder - On Casting (40%)	No.	20.00	3.62%					
	c-ii) Slab - after Completion of Slab (60%)	No.	64.00	5.42%	2.00	3.13%	0.17%		
	5) Grade Separated Structures								
	a) Underpasses								
	i) Foundation	No.	16.00	3.24%	12.00	75.00%	2.43%		
	ii) Sub-Structure	No.	16.00	1.43%	10.00	62.50%	0.90%		
	iii) Super-Structure (including Crash Barrier, wearing coat etc. Complete) If pre-cast girders/ segments are used, 40% of the weightage of the stage in percentage to the bid project cost is assigned to the casting of such precast girders/ segments								
	iii-a) Precast Girder - On Casting (40%)	No.	4.00	0.79%					
	iii-b) Slab - after Completion of Slab (60%)	No.	12.00	1.18%	5.00	41.67%	0.49%		
Structures (Elevated Section, Reinforced earth)	iv) Reinforced Earth Wall (includes Approaches or ROB, Underpasses, Over passes, Flyover etc.) If pre-cast panels/blocks, 5% of weightage of the stage in percentage to bid project cost is assigned to the casting of such precast panels/blocks for one complete approach								
	i) Re-Wall using Panel/Blocks Casting (5%)	Sq.m	46,560.00	0.08%					
	ii) Re-Wall using Panel/Blocks Erection (95%)	Sq.m	46,560.00	1.44%					
Electrical and Public Health Utilities	UTILITY SHIFTING								
	EHT Crossing	No.	8.00	1.56%					
	HT/LT lines (including Transformers if any)	Km	18.80	0.36%	5.00	26.60%	0.10%		
	HT/LT crossings	No.	67.00	2.45%	34.00	50.75%	1.24%		
	Water pipeline	L-Km	26.98	0.51%	26.98	100.00%	0.51%		
	Water pipeline crossings	No.	23.00	0.33%					
Other Works	MISSCELANEOUS WORKS								
	i) - Service Road / Slip Road	L-Km	20.90	3.61%					
	iii) Road Side Drains	L-Km	20.90	3.92%					
	iv) - Road signs,markings, Km Stone, Safety devices								
	(a) Road signs,markings, Km Stone	L-Km	37.60	0.55%					
	(b) Concrete Crash Barrier/W Beam Crash Barrier in Road work	L-Km	27.73	2.28%					
	v) - Project Facilities								
	(a) Bus Stop	No.	12.00	0.03%					
	(b) Rest Area	No.	1.00	0.61%					
	(c) Rain Water Harvesting	No.	38.00	0.13%					
	viii) - Protection Work								
	(a) Boulder Pitching/Geo Cell laying for Slopes Protection work	L-Km	13.30	0.50%					
	(b) Toe Wall / Retaining Wall	L-Km	2.56	2.70%					
	x) Miscellaneous								
	(a) Street Lighting	No.	1,672.00	0.56%					
	(b) ATMS, HTMS, Traffic Aid Posts, Medical aid Posts, Vehicle Recue Posts, Telecom System	L-Km	37.60	0.46%					
	(c) Boundary Wall	L-Km	37.51	1.42%					
	(d) Junction	No.	24.00	0.30%					
Sub Total-G >>>									
Grand Total >>>				100.00%			9.80%		

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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9.2 S Curve

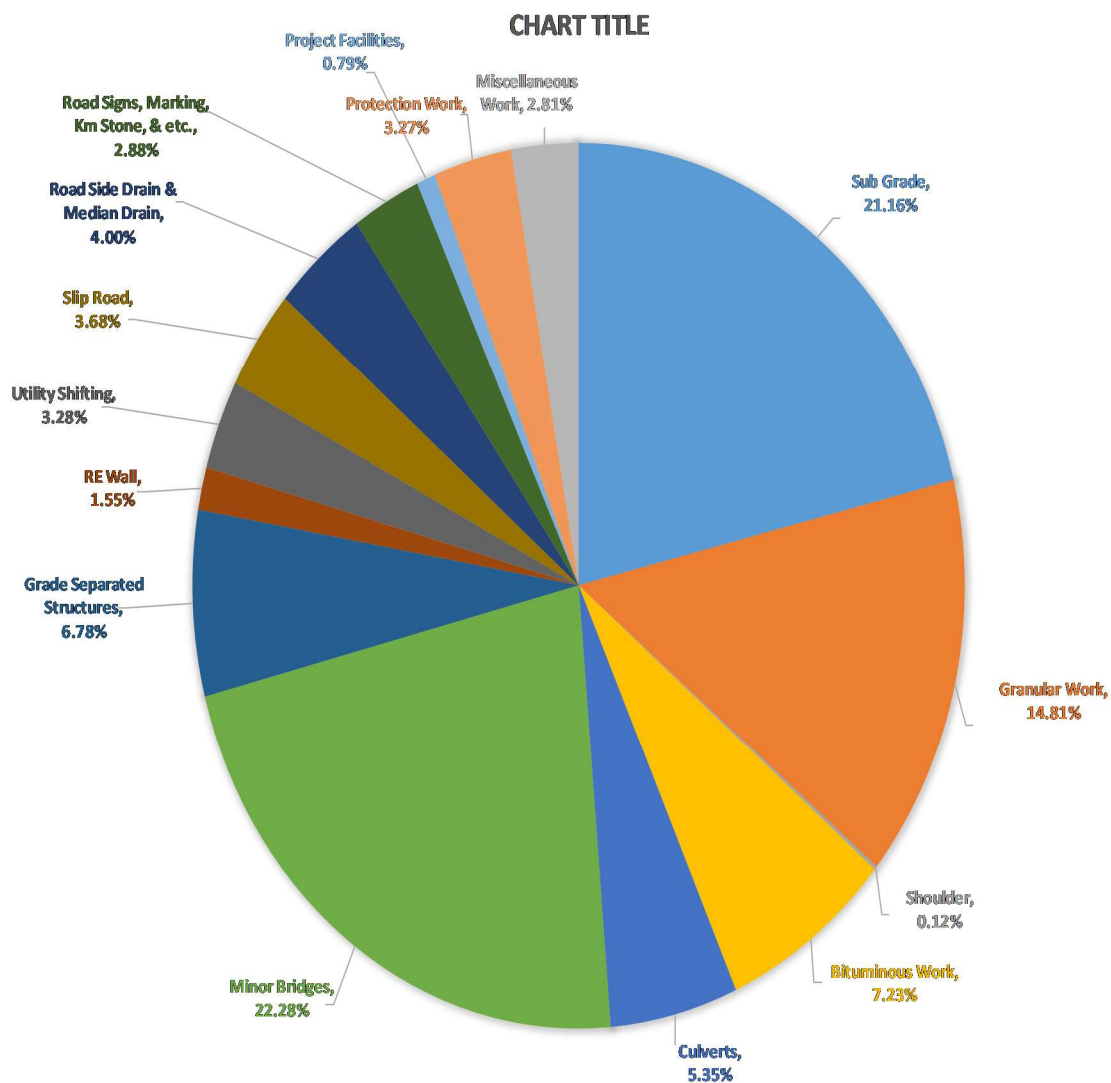


Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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9.3 Weightages

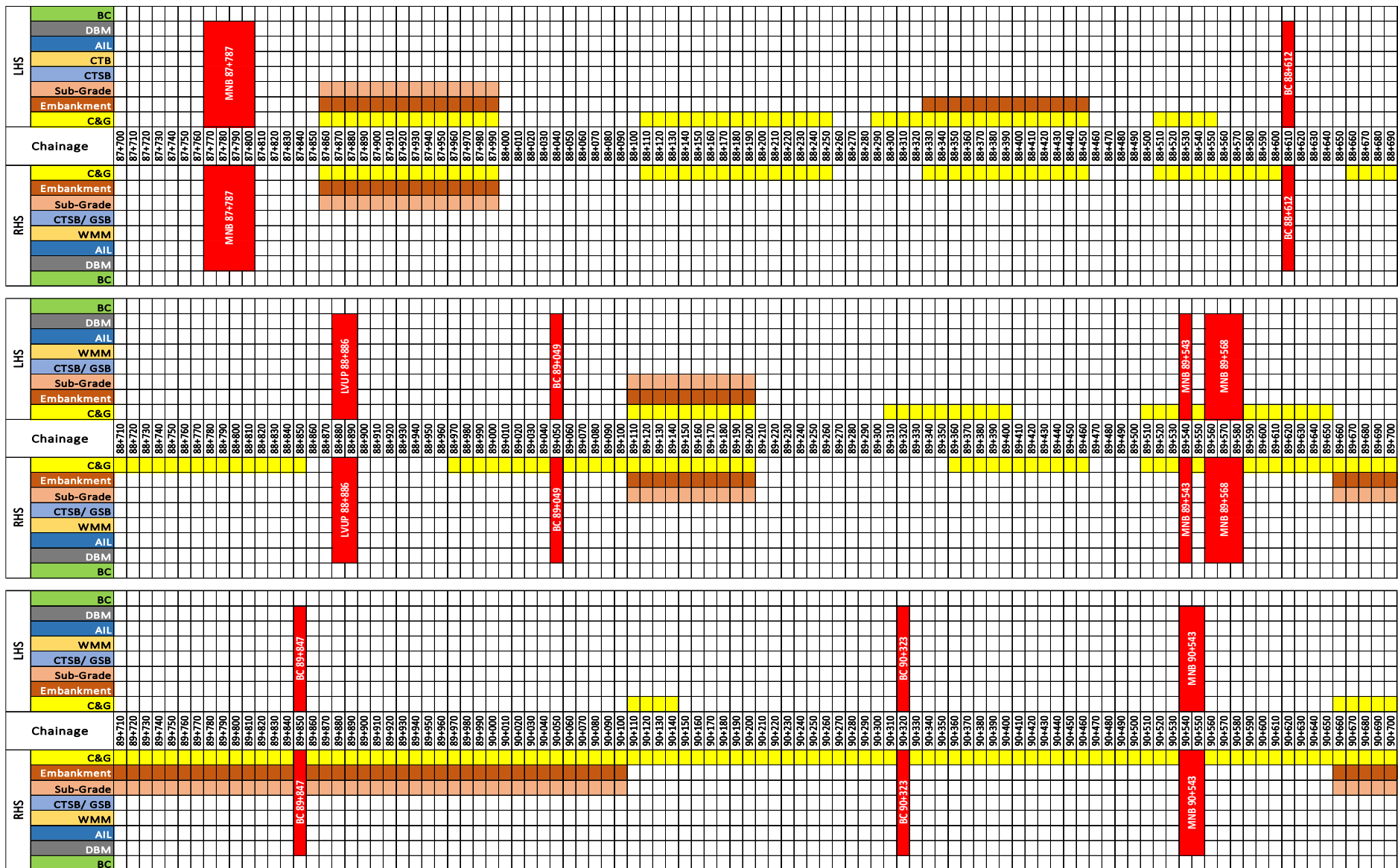
^{9.4} Work Description	% of Each sub components	Amount (Cr.)
Sub Grade	21.16%	95,19,99,387.67
Granular Work	14.81%	66,60,61,944.24
Shoulder	0.12%	55,26,843.97
Bituminous Work	7.23%	32,50,11,573.01
Culverts	5.35%	24,07,44,626.95
Minor Bridges	22.28%	1,00,22,55,561.58
Grade Separated Structures	6.78%	30,51,53,849.08
RE Wall	1.55%	6,97,90,085.65
Utility Shifting	3.28%	14,73,76,462.20
Slip Road	3.68%	16,56,76,481.56
Road Side Drain & Median Drain	4.00%	18,01,17,103.94
Road Signs, Marking, Km Stone, & etc.	2.88%	12,96,27,785.39
Project Facilities	0.79%	3,54,38,417.06
Protection Work	3.27%	14,71,22,096.56
Miscellaneous Work	2.81%	12,61,97,781.14
Total	100.00%	4,49,81,00,000.00



**Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to
km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)**

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9.5 Highway Progress :



Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to
km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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RHS	Chainage	LHS					
		BC	DBM	AIL	WMM	CTSB/ GSB	Embankment
	90+710						
	90+720						
	90+730						
	90+740						
	90+750						
	90+760						
	90+770						
	90+780						
	90+790						
	90+800						
	90+810						
	90+820						
	90+830						
	90+840						
	90+850						
	90+860						
	90+870						
	90+880						
	90+890						
	90+900						
	90+910						
	90+920						
	90+930						
	90+940						
	90+950						
	90+960						
	90+970						
	90+980						
	90+990						
	91+000						
	91+010						
	91+020						
	91+030						
	91+040						
	91+050						
	91+060						
	91+070						
	91+080						
	91+090						
	91+100						
	91+110						
	91+120						
	91+130						
	91+140						
	91+150						
	91+160						
	91+170						
	91+180						
	91+190						
	91+200						
	91+210						
	91+220						
	91+230						
	91+240						
	91+250						
	91+260						
	91+270						
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	91+310						
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	91+330						
	91+340						
	91+350						
	91+360						
	91+370						
	91+380						
	91+390						
	91+400						
	91+410						
	91+420						
	91+430						
	91+440						
	91+450						
	91+460						
	91+470						
	91+480						
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	91+500						
	91+510						
	91+520						
	91+530						
	91+540						
	91+550						
	91+560						
	91+570						
	91+580						
	91+590						
	91+600						
	91+610						
	91+620						
	91+630						
	91+640						
	91+650						
	91+660						
	91+670						
	91+680						
	91+690						
	91+700						

RHS	Chainage	LHS					
		BC	DBM	AIL	WMM	CTSB/ GSB	Embankment
	91+710						
	91+720						
	91+730						
	91+740						
	91+750						
	91+760						
	91+770						
	91+780						
	91+790						
	91+800						
	91+810						
	91+820						
	91+830						
	91+840						
	91+850						
	91+860						
	91+870						
	91+880						
	91+890						
	91+900						
	91+910						
	91+920						
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	91+950						
	91+960						
	91+970						
	91+980						
	91+990						
	92+000						
	92+010						
	92+020						
	92+030						
	92+040						
	92+050						
	92+060						
	92+070						
	92+080						
	92+090						
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	92+390						
	92+400						
	92+410						
	92+420						
	92+430						
	92+440						
	92+450						
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	92+520						
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	92+550						
	92+560						
	92+570						
	92+580						
	92+590						
	92+600						
	92+610						
	92+620						
	92+630						
	92+640						
	92+650						
	92+660						
	92+670						
	92+680						
	92+690						
	92+700						

RHS	Chainage	LHS							
		BC	DBM	AIL	WMM	CTSB/ GSB	Sub-Grade	Embankment	C&G
	92+710								
	92+720								
	92+730								
	92+740								
	92+750								
	92+760								
	92+770								
	92+780								
	92+790								
	92+800								
	92+810								
	92+820								
	92+830								
	92+840								
	92+850								
	92+860								
	92+870								
	92+880								
	92+890								
	92+900								
	92+910								
	92+920								
	92+930								
	92+940								
	92+950								
	92+960								
	92+970								
	92+980								
	92+990								
	93+000								
	93+010								
	93+020								
	93+030								
	93+040								
	93+050								
	93+060								
	93+070								
	93+080								
	93+090								
	93+100								
93+110									
93+120									
93+130									
93+140									
93+150									
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93+360									
93+370									
93+380									
93+390									
93+400									
93+410									
93+420									
93+430									
93+440									
93+450									
93+460									
93+470									
93+480									
93+490									
93+500									
93+510									
93+520									
93+530									
93+540									
93+550									
93+560									
93+570									
93+580									
93+590									
93+600									
93+610									
93+620									
93+630									
93+640									
93+650									
93+660									
93+670									
93+680									
93+690									

**Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to
km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)**

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	LHS	Chainage	RHS	Chainage
	BC	93+710	BC	94+710
	DBM	93+720		94+720
	AIL	93+730		94+730
	WMM	93+740		94+740
	CTSB/ GSB	93+750		94+750
	Sub-Grade	93+760		94+760
	Embankment	93+770		94+770
	C&G	93+780		94+780
		93+790		94+790
		93+800		94+800
		93+810		94+810
		93+820		94+820
		93+830		94+830
		93+840		94+840
		93+850		94+850
		93+860		94+860
		93+870		94+870
		93+880		94+880
		93+890		94+890
		93+900		94+900
		93+910		94+910
		93+920		94+920
		93+930		94+930
		93+940		94+940
		93+950		94+950
		93+960		94+960
		93+970		94+970
		93+980		94+980
		93+990		94+990
		94+000		95+000
		94+010		95+010
		94+020		95+020
		94+030		95+030
		94+040		95+040
		94+050		95+050
		94+060		95+060
		94+070		95+070
		94+080		95+080
		94+090		95+090
		94+100		95+100
		94+110		95+110
		94+120		95+120
		94+130		95+130
		94+140		95+140
		94+150		95+150
		94+160		95+160
		94+170		95+170
		94+180		95+180
		94+190		95+190
		94+200		95+200
		94+210		95+210
		94+220		95+220
		94+230		95+230
		94+240		95+240
		94+250		95+250
		94+260		95+260
		94+270		95+270
		94+280		95+280
		94+290		95+290
		94+300		95+300
		94+310		95+310
		94+320		95+320
		94+330		95+330
		94+340		95+340
		94+350		95+350
		94+360		95+360
		94+370		95+370
		94+380		95+380
		94+390		95+390
		94+400		95+400
		94+410		95+410
		94+420		95+420
		94+430		95+430
		94+440		95+440
		94+450		95+450
		94+460		95+460
		94+470		95+470
		94+480		95+480
		94+490		95+490
		94+500		95+500
		94+510		95+510
		94+520		95+520
		94+530		95+530
		94+540		95+540
		94+550		95+550
		94+560		95+560
		94+570		95+570
		94+580		95+580
		94+590		95+590
		94+600		95+600
		94+610		95+610
		94+620		95+620
		94+630		95+630
		94+640		95+640
		94+650		95+650
		94+660		95+660
		94+670		95+670
		94+680		95+680
		94+690		95+690
		94+700		95+700

	LHS	Chainage	RHS	Chainage
	BC	94+710	BC	95+710
	DBM	94+720		95+720
	AIL	94+730		95+730
	WMM	94+740		95+740
	CTSB/ GSB	94+750		95+750
	Sub-Grade	94+760		95+760
	Embankment	94+770		95+770
	C&G	94+780		95+780
		94+790		95+790
		94+800		95+800
		94+810		95+810
		94+820		95+820
		94+830		95+830
		94+840		95+840
		94+850		95+850
		94+860		95+860
		94+870		95+870
		94+880		95+880
		94+890		95+890
		94+900		95+900
		94+910		95+910
		94+920		95+920
		94+930		95+930
		94+940		95+940
		94+950		95+950
		94+960		95+960
		94+970		95+970
		94+980		95+980
		94+990		95+990
		95+000		96+000
		95+010		96+010
		95+020		96+020
		95+030		96+030
		95+040		96+040
		95+050		96+050
		95+060		96+060
		95+070		96+070
		95+080		96+080
		95+090		96+090
		95+100		96+100
		95+110		96+110
		95+120		96+120
		95+130		96+130
		95+140		96+140
		95+150		96+150
		95+160		96+160
		95+170		96+170
		95+180		96+180
		95+190		96+190
		95+200		96+200
		95+210		96+210
		95+220		96+220
		95+230		96+230
		95+240		96+240
		95+250		96+250
		95+260		96+260
		95+270		96+270
		95+280		96+280
		95+290		96+290
		95+300		96+300
		95+310		96+310
		95+320		96+320
		95+330		96+330
		95+340		96+340
		95+350		96+350
		95+360		96+360
		95+370		96+370
		95+380		96+380
		95+390		96+390
		95+400		96+400
		95+410		96+410
		95+420		96+420
		95+430		96+430
		95+440		96+440
		95+450		96+450
		95+460		96+460
		95+470		96+470
		95+480		96+480
		95+490		96+490
		95+500		96+500
		95+510		96+510
		95+520		96+520
		95+530		96+530
		95+540		96+540
		95+550		96+550
		95+560		96+560
		95+570		96+570
		95+580		96+580
		95+590		96+590
		95+600		96+600
		95+610		96+610
		95+620		96+620
		95+630		96+630
		95+640		96+640
		95+650		96+650
		95+660		96+660
		95+670		96+670
		95+680		96+680
		95+690		96+690
		95+700		96+700

RHS	Chainage	LHS
BC	95+710	BC
DBM	95+720	DBM
AIL	95+730	AIL
WMM	95+740	WMM
CTSB/ GSB	95+750	CTSB/ GSB
Sub-Grade	95+760	Sub-Grade
Embankment	95+770	Embankment
C&G	95+780	C&G
	95+790	
	95+800	
	95+810	
	95+820	
	95+830	
	95+840	
	95+850	
	95+860	
	95+870	
	95+880	
	95+890	
	95+900	
	95+910	
	95+920	
	95+930	
	95+940	
	95+950	
	95+960	
	95+970	
	95+980	
	95+990	
	96+000	
	96+010	
	96+020	
	96+030	
	96+040	
	96+050	
	96+060	
	96+070	
	96+080	
	96+090	
	96+100	
	96+110	
	96+120	
	96+130	
	96+140	
	96+150	
	96+160	
	96+170	
	96+180	
	96+190	
	96+200	
	96+210	
	96+220	
	96+230	
	96+240	
	96+250	
	96+260	
	96+270	
	96+280	
	96+290	
	96+300	
	96+310	
	96+320	
	96+330	
	96+340	
	96+350	
	96+360	
	96+370	
	96+380	
	96+390	
	96+400	
	96+410	
	96+420	
	96+430	BC 96+430
	96+440	
	96+450	
	96+460	
	96+470	
	96+480	
	96+490	
	96+500	
	96+510	
	96+520	
	96+530	
	96+540	
	96+550	
	96+560	
	96+570	
	96+580	
	96+590	
	96+600	
	96+610	
	96+620	
	96+630	
	96+640	
	96+650	
	96+660	
	96+670	
	96+680	
	96+690	BC 96+692
	96+700	

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RHS	Chainage	LHS
BC	98+710	BC
DBM	98+720	DBM
AIL	98+730	AIL
WMM	98+740	WMM
CTSB/ GSB	98+750	CTSB/ GSB
Sub-Grade	98+760	Sub-Grade
Embankment	98+770	Embankment
C&G	98+780	C&G
	98+790	
	98+800	
	98+810	
	98+820	
	98+830	
	98+840	
	98+850	
	98+860	
	98+870	
	98+880	
	98+890	
	98+900	
	98+910	
	98+920	
	98+930	
	98+940	
	98+950	
	98+960	
	98+970	
	98+980	
	98+990	
	99+000	
	99+010	
	99+020	
	99+030	
	99+040	
MNB 99+045	99+050	MNB 99+045
	99+060	
	99+070	
	99+080	
	99+090	
	99+100	
	99+110	
	99+120	
	99+130	
	99+140	
	99+150	
	99+160	
	99+170	
	99+180	
	99+190	
	99+200	
	99+210	
	99+220	
	99+230	
	99+240	
	99+250	
MNB 99+247	99+260	MNB 99+247
	99+270	
	99+280	
	99+290	
	99+300	
	99+310	
	99+320	
	99+330	
	99+340	
	99+350	
	99+360	
	99+370	
	99+380	
	99+390	
	99+400	
	99+410	
	99+420	
	99+430	
BC 99+443	99+440	BC 99+443
	99+450	
	99+460	
	99+470	
	99+480	
	99+490	
	99+500	
	99+510	
BC 99+517	99+520	BC 99+517
	99+530	
	99+540	
	99+550	
	99+560	
	99+570	
	99+580	
	99+590	
	99+600	
	99+610	
	99+620	
	99+630	
	99+640	
	99+650	
	99+660	
	99+670	
	99+680	
BC 99+693	99+700	BC 99+693

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[illegible]

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RHS	BC	104-710	LHS	BC	103-710
	DBM	104-720		DBM	103-720
Chainage	Embankment	104-730	Chainage	AIL	102-730
	Sub-Grade	104-740		WMM	102-740
	CTSB/ GSB	104-750		CTSB/ GSB	102-750
	Embankment	104-760		Embankment	102-760
	C&G	104-770		Sub-Grade	102-770
		104-780		AIL	102-780
		104-790		DBM	102-790
		104-800		BC	102-800
		104-810			102-810
		104-820			102-820
	104-830		102-830		
	104-840		102-840		
	104-850		102-850		
	104-860		102-860		
	104-870		102-870		
	104-880		102-880		
	104-890		102-890		
	104-900		102-900		
	104-910		102-910		
	104-920		102-920		
	104-930		102-930		
	104-940		102-940		
	104-950		102-950		
	104-960		102-960		
	104-970		102-970		
	104-980		102-980		
	104-990		102-990		
	105-000		103-000		
	105-010		103-010		
	105-020		103-020		
	105-030		103-030		
	105-040		103-040		
	105-050		103-050		
	105-060		103-060		
	105-070		103-070		
	105-080		103-080		
	105-090		103-090		
	105-100		103-100		
	105-110		103-110		
	105-120		103-120		
	105-130		103-130		
	105-140		103-140		
	105-150		103-150		
	105-160		103-160		
	105-170		103-170		
	105-180		103-180		
	105-190		103-190		
	105-200		103-200		
	105-210		103-210		
	105-220		103-220		
	105-230		103-230		
	105-240		103-240		
	105-250		103-250		
	105-260		103-260		
	105-270		103-270		
	105-280		103-280		
	105-290		103-290		
	105-300		103-300		
	105-310		103-310		
	105-320		103-320		
	105-330		103-330		
	105-340		103-340		
	105-350		103-350		
	105-360		103-360		
	105-370		103-370		
	105-380		103-380		
	105-390		103-390		
	105-400		103-400		
	105-410		103-410		
	105-420		103-420		
	105-430		103-430		
	105-440		103-440		
	105-450		103-450		
	105-460		103-460		
	105-470		103-470		
	105-480		103-480		
	105-490		103-490		
	105-500		103-500		
	105-510		103-510		
	105-520		103-520		
	105-530		103-530		
	105-540		103-540		
	105-550		103-550		
	105-560		103-560		
	105-570		103-570		
	105-580		103-580		
	105-590		103-590		
	105-600		103-600		
	105-610		103-610		
	105-620		103-620		
	105-630		103-630		
	105-640		103-640		
	105-650		103-650		
	105-660		103-660		
	105-670		103-670		
	105-680		103-680		
	105-690		103-690		
	105-700		103-700		

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to
km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)
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LHS	BC	Chainage	RHS	BC
	DBM			DBM
	AIL			AIL
	WMM			WMM
	CTSB/ GSB			CTSB/ GSB
	Sub-Grade			Sub-Grade
	Embankment			Embankment
	C&G			C&G
		105+710		
		105+720		
		105+730		
		105+740		
		105+750		
		105+760		
		105+770		
		105+780		
		105+790		
		105+800		
		105+810		
		105+820		
		105+830		
		105+840		
		105+850		
		105+860		
		105+870		
		105+880		
		105+890		
		105+900		
		105+910		
		105+920		
		105+930		
		105+940		
		105+950		
		105+960		
		105+970		
		105+980		
		105+990		
		106+000		
		106+010		
		106+020		
		106+030		
		106+040		
		106+050		
		106+060		
		106+070		
		106+080		
		106+090		
		106+100		
		106+110		
		106+120		
		106+130		
		106+140		
		106+150		
		106+160		
		106+170		
		106+180		
		106+190		
		106+200		
		106+210		
		106+220		
		106+230		
		106+240		
		106+250		
		106+260		
		106+270		
		106+280		
		106+290		
		106+300	MNB 106+306	
		106+310		
		106+320		
		106+330		
		106+340		
		106+350		
		106+360		
		106+370		
		106+380		
		106+390		
		106+400		
		106+410		
		106+420		
		106+430		
		106+440		
		106+450		
		106+460		
		106+470		
		106+480		
		106+490		
		106+500		

9.6 Detailed Structure Work Progress

Status of HPC

SN	LHS											HPC Chainage	RHS												
	Protection Work	Parapet Wall	Chamber Wall	Top RCC Slab	H/W Final Lift	H/W-2nd Lift	H/W-1st Lift	H/W-PCC M15	Pipe Encasing/Filling	Laying of Pipe	PCC/Granular Bed		Layout & Excavation	Layout & Excavation	PCC/Granular Bed	Laying of Pipe	Pipe Encasing/Filling	H/W-PCC M15	H/W-1st Lift	H/W-2nd Lift	H/W Final Lift	Top RCC Slab	Chamber Wall	Parapet Wall	Protection Work
1													93+516												
2													97+271												
3													97+381												
4													97+941												
5													98+051												
6													98+894												
7													98+944												
8													99+375												
9													99+601												
10													99+970												

1	Not Available	1
2	In Progress	
3	Completed	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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9.6.1 Status of Box Culvert

S. N	LHS											Box Culvert Chainage	RHS											
	Protection Work	Parapet Wall	Top Slab	Top Haunch	Wall Final Lift	Wall 2nd Lift	Wall 1st Lift	Haunch	Raft	PCC/Granular Bed	Layout & Excavation		Abutment	Layout & Excavation	PCC/Granular Bed	Raft	Haunch	Wall 1st Lift	Wall 2nd Lift	Wall Final Lift	Top Haunch	Top Slab	Parapet Wall	Protection Work
1												A1	88+612	A1										
												A2		A2										
2												A1	89+049	A1										
												A2		A2										
3												A1	89+847	A1										
												A2		A2										
4												A1	90+323	A1										
												A2		A2										
5												A1	90+747	A1										
												A2		A2										
6												A1	90+970	A1										
												A2		A2										
7												A1	91+349	A1										
												A2		A2										
8												A1	91+665	A1										
												A2		A2										
9												A1	92+047	A1										
												A2		A2										
10												A1	92+862	A1										
												A2		A2										
11												A1	93+118	A1										
												A2		A2										
12												A1	93+354	A1										
												A2		A2										
13												A1	94+345	A1										
												A2		A2										
14												A1	94+814	A1										
												A2		A2										
15												A1	94+925	A1										
												A2		A2										
16												A1	96+430	A1										
												A2		A2										
17												A1	96+692	A1										
												A2		A2										
18												A1	96+951	A1										
												A2		A2										
19												A1	98+374	A1										
												A2		A2										
20												A1	98+444	A1										
												A2		A2										
21												A1	99+443	A1										
												A2		A2										
22												A1	99+517	A1										
												A2		A2										
23												A1	99+693	A1										
												A2		A2										
24												A1	99+895	A1										
												A2		A2										
25												A1	100+477	A1										
												A2		A2										
26												A1	100+666	A1										
												A2		A2										
27												A1	100+864	A1										
												A2		A2										
28												A1	101+061	A1										
												A2		A2										
29												A1	101+192	A1										
												A2		A2										
30												A1	101+383	A1										
												A2		A2										
31												A1	101+538	A1										
												A2		A2										
32												A1	101+883	A1										
												A2		A2										
33												A1	102+969	A1										
												A2		A2										
34												A1	103+662	A1										
												A2		A2										
35												A1	103+918	A1										
												A2		A2										
36												A1	104+744	A1										
												A2		A2										
37												A1	104+941	A1										
												A2		A2										
38												A1	105+088	A1										
												A2		A2										

1	Not Available	1
2	In Progress	
3	Completed	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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9.6.2 Status of Minor Bridge

Sl.no.	LHS					Minor Bridge Chainage	RHS				
	Super-structure	Sub-structure	Foundation	Excavation	Abutment		Abutment	Excavation	Foundation	Sub-structure	Super-structure
1					A1	87+787	A1				
					A2		A2				
2					A1	89+543	A1				
					A2		A2				
3					A1	89+568	A1				
					A2		A2				
4					A1	90+543	A1				
					A2		A2				
5					A1	92+714	A1				
					A2		A2				
6					A1	95+595	A1				
					A2		A2				
7					A1	97+102	A1				
					A2		A2				
8					A1	97+458	A1				
					A2		A2				
9					A1	97+673	A1				
					A2		A2				
10					A1	97+782	A1				
					A2		A2				
11					A1	98+267	A1				
					A2		A2				
12					A1	98+508	A1				
					A2		A2				
13					A1	98+631	A1				
					A2		A2				
14					A1	99+045	A1				
					A2		A2				
15					A1	99+247	A1				
					A2		A2				
16					A1	102+109	A1				
					A2		A2				
17					A1	102+508	A1				
					A2		A2				
18					A1	103+116	A1				
					A2		A2				
19					A1	103+437	A1				
					A2		A2				
20					A1	103+784	A1				
					A2		A2				
21					A1	104+443	A1				
					A2		A2				
22					A1	105+378	A1				
					A2		A2				
23					A1	105+697	A1				
					A2		A2				
24					A1	106+306	A1				
					A2		A2				
1	Not Available										
2	In Progress										
3	Completed										

9.6.3 Status of VUP

SN	LHS							VUP Chainage	RHS							
	Miscellaneous Item	Crash Barrier	Approach Slab	Desk Slab	Sub-structure	Foundation	Layout & Excavation		Abutment	Layout & Excavation	Foundation	Sub-structure	Desk Slab	Approach Slab	Crash Barrier	Miscellaneous Item
1								A1	97+000	A1						
								A2		A2						
2								A1	100+290	A1						
								A2		A2						

1	Not Available	1
2	In Progress	
3	Completed	

9.6.4 Status of LVUP

SN	LHS											LVUP Chainage	RHS												
	Miscellaneous Item	Crash Barrier	Approach Slab	Top Slab Bracket	Top Slab Haunch	RCC Top Slab	Abutment Wall	Bottom Slab Haunch	Raft	PCC/Granular Bed	Layout & Excavation		Abutment	Abutment	Layout & Excavation	PCC/Granular Bed	Raft	Bottom Slab Haunch	Abutment Wall	RCC Top Slab	Top Slab Haunch	Top Slab Bracket	Approach Slab	Crash Barrier	Miscellaneous Item
1												A1	88+886	A1											
												A2		A2											
2												A1	92+248	A1											
												A2		A2											
3												A1	94+625	A1											
												A2		A2											
4												A1	98+586	A1											
												A2		A2											

1	Not Available	1
2	In Progress	
3	Completed	

9.7 Detailed Structure Work Progress

CHAPTER-10

QUALITY CONTROL AND MATERIAL

10.1 Quality Control

The execution of works is mainly governed by the specified Technical Specifications for the project. The quality control of the works is required to be monitored on daily basis both at site and in the laboratory. Standard formats have been devised to control the required quality of the works. The Concessionaire Engineers are monitoring the required quality control works and maintaining the records accordingly for each item of works being executed.

10.2 Site Laboratory

The Site Laboratory is established at Base Camp located at CH: -88+700. All the required material tests are being conducted in the laboratory for the project road.

10.3 Materials Testing & Third-Party Test

The testing to be carried out in the site laboratory includes tests of soil, aggregates, cement, steel, sand, embankment fill, sub grade, granular subbase and cement concrete. The details of test conducted up to **30 August, 2025** are enclosed.

10.3.1 Soil and Aggregates

The test reports for borrow area earth for available borrow area are approved & test reports for Aggregates are also approved for the available Quarry.

10.3.2 Cement

The Concessionaire is using approved sources of Cement as Dalmia Cement (OPC 53 Grade), Star Cement (OPC 53 Grade) & Max Cement (OPC 53 Grade) for the project work.

10.3.3 Reinforcement Steel

The Concessionaire is using approved sources of TMT from M/s Rashmi Metaliks Limited, M/s Shyam Steel Industries limited, M/s SRMB Srijan Private Limited, M/s Shyam Metalics and Energy Limited Elegant Steel.

10.3.4 Status of materials source approval & Mix Design

Mix Design				
Sr. No.	Grade	Letter No.	Status	IE Letter No.
1.	PCC (M-10, M-15 M-20) RCC (M-20, M-25, M-30, M-35, M-35 Pile, M-40, M-45 (RCC & PSC) M-35 RE Block. (Cement-Dalmia cement)	MKCIL/ASSAM/PKG-06/188 dt. 09.04.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/38

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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	PCC (M-10, M-15 M-20) RCC (M-20, M-25, M-30, M-35, M-35 Pile, M-40, M-45 (RCC & PSC) M-35 RE Block. (Cement- Star cement)	MKCIL/ASSAM/PKG-06/188 dt. 09.04.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/39
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Cement				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Black Tiger Cement	MKCIL/ASSAM/PKG-06/148 dt. 22.03.2025	Not approved	
2.	Dalmia Cement	MKCIL/ASSAM/PKG-06/149 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/11
3.	Max Cement	MKCIL/ASSAM/PKG-06/150 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/26
4.	Star Cement	MKCIL/ASSAM/PKG-06/151 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/12
5.	Amrit Cement	MKCIL/ASSAM/PKG-06/157 dt. 24.03.2025		

Reinforcement Steel				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Rashmi Metaliks Limited	MKCIL/ASSAM/PKG-06/106 dt. 29.01.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/63
2.	Shyam Steel industries Ltd.	MKCIL/ASSAM/PKG-06/107 dt. 29.01.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/13
3.	SRMB Srijan Pvt. Ltd.	MKCIL/ASSAM/PKG-06/152 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/16
4.	Elegant Steel	MKCIL/ASSAM/PKG-06/203 dt. 19.04.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/64
4.	Shyam Metalics & Energy Ltd.	MKCIL/ASSAM/PKG-06/175 dt. 04.04.2025		

Admixture				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Berger Paints Pvt. Ltd.	MKCIL/ASSAM/PKG-06/143 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/15
2.	CHRYSO India Pvt. Ltd	MKCIL/ASSAM/PKG-06/144 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/18
3.	CICO Technologies Ltd.	MKCIL/ASSAM/PKG-06/145 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/19
4.	FOSROC Chemicals (India) Ltd.	MKCIL/ASSAM/PKG-06/146 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/20
5.	Vista Chemtech Pvt. Ltd.	MKCIL/ASSAM/PKG-06/147 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/17

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GFRP Bar				
Sr. No.	Brand Name	Letter No.	Status	IE letter no.
(a)	Tata steel	MKCIL/ASSAM/PKG-06/272 dt. 31.05.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/58
(b)	Fibertron Composite Private	MKCIL/ASSAM/PKG-06/408 dt. 28.07.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/106

Test Laboratory				
Sr. No.	Brand Name	Letter No.	Status	IE letter no.
1	Avian Lab	MKCIL/ASSAM/PKG-06/270 dt. 31.05.2025	Approved	L AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/54
2	Delhi test house	MKCIL/ASSAM/PKG-06/154 dt. 22.03.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/10
3	Universal Lab	MKCIL/ASSAM/PKG-06/193 dt. 12.04.2025	Approved	L AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/32
4	Shree Bala ji	MKCIL/ASSAM/PKG-06/194 dt. 12.04.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/31

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Monthly Laboratory Report

Summary of Quality Control Test For The Month of August-2025

Sr.No.	Name of test	Reference as per IS/ MoRT&H	Frequency of Tests	Total Tests Conducted upto Previous Month			No. of Tsts Conducted during this Month			No. of Tests Conducted upto this Month			No. of Tests cChecked by IE			% Checked by IE	Remarks
				Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
LAB & FIELD TEST'S																	
(I). OGL Samples		IRC :36-2010															
1.1	Free Swelling Index (FSI)	IS : 2720 (P-40)	1 Test / Every 500 m Interval's	58	58	0	0	0	0	58	58	0	0	0	0	0.00	
1.2	Grain size analysis	IS : 2720 (P-4)	1 Test / Every 500 m Interval's	58	58	0	0	0	0	58	58	0	0	0	0	0.00	
1.3	Liquid limits (LL)	IS : 2720 (P-5)	1 Test / Every 500 m Interval's	58	58	0	0	0	0	58	58	0	0	0	0	0.00	
1.4	Plasticity Index (PI)	IS : 2720 (P-5)	1 Test / Every 500 m Interval's	58	58	0	0	0	0	58	58	0	0	0	0	0.00	
1.5	Proctor test (MDD & OMC)	IS : 2720 (P-8)	1 Test / Every 500 m Interval's	58	58	0	0	0	0	58	58	0	0	0	0	0.00	
1.6	California Bearing Ratio Test (CBR)	IS : 2720 (P-16)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
1.7	Field Compaction Test (OGL)	IS : 2720 (P-28)	1 Set / 3000 Sqm. (1Set = 10 Pit's)	496	478	18	7	7	0	503	485	18	0	0	0	0.00	
(II). Borrow area Samples (EMB/SG)		MoRT&H (Clause-305)															
2.1	Free Swelling Index (FSI)	IS : 2720 (P-40)	2 Test's / 3000 Cum.	196	196	0	4	4	0	200	200	0	1	1	0	25.00	
2.2	Grain size analysis (GSA)	IS : 2720 (P-4)	2 Test's / 3000 Cum.	196	196	0	4	4	0	200	200	0	1	1	0	25.00	
2.3	Liquid limits (LL)	IS : 2720 (P-5)	2 Test's / 3000 Cum.	196	196	0	4	4	0	200	200	0	1	1	0	25.00	
2.4	Plasticity Index (PI)	IS : 2720 (P-5)	2 Test's / 3000 Cum.	196	196	0	4	4	0	200	200	0	1	1	0	25.00	
2.5	Proctor test (MDD & OMC)	IS : 2720 (P-8)	2 Test's / 3000 Cum.	196	196	0	4	4	0	200	200	0	1	1	0	25.00	
2.6	California Bearing Ratio Test (CBR)	IS : 2720 (P-16)	1 Test's / 3000 Cum.	97	98	0	2	2	0	99	100	0	1	1	0	50.00	
2.7	Field Compaction Test (Emb)	IS : 2720 (P-28)	1 Set / 3000 Sqm. (1Set = 10 Pit's)	2766	2701	65	68	65	3	2834	2766	68	10	10	0	14.71	
2.8	Field Compaction Test (Subgrade)	IS : 2720 (P-28)	1 Set / 2000 Sqm. (1Set = 10 Pit's)	592	560	32	0	0	0	592	560	32	3	3	0	0.00	

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(III). Coarse Agg. for Concrete Work's		MoRT&H Table -900-6																
3.1	Gradation of Coarse Aggregate	IS : 2386 (P-1)	1 Test / Every day's work	145	145	0	31	31	0	176	176	0	5	5	0	16.13		
3.2	Flakiness Index (FI)	IS : 2386 (P-1)	1 Test for source / Weekly	19	19	0	4	4	0	23	23	0	1	1	0	25.00		
3.3	Aggregate Impact Value (A.I.V)	IS : 2386 (P-4)	1 Test for source / Weekly	19	19	0	4	4	0	23	23	0	1	0	0	25.00		
3.4	Specific Gravity	IS : 2386 (P-3)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00		
3.5	Water Absorption	IS : 2386 (P-3)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00		
3.6	Deleterious Constituents	IS : 2386 (P-2)	1 Test / As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
3.7	Moisture correction	IS : 2386 (P-3)	1 Test / Day	145	145	0	31	31	0	176	176	0	5	5	0	16.13		
3.8	Soundness	IS : 2386 (P-5)	1 Test / Source	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
3.9	Alkali Aggregate Reactivity	IS : 2386 (P-7)	1 Test / Source	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
(IV). Fine Agg. for Concrete		MoRT&H Table -900-6																
4.1	Gradation	IS : 383	1 Test / Every day's work	145	145	0	31	31	0	176	176	0	4	4	0.0	12.90		
4.2	Specific Gravity	IS : 2386 (P-3)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0.0	0.00		
4.3	Water Absorption	IS : 2720 (P-3)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0.0	0.00		
4.4	Silt Content	IS : 383	1 Test / Weekly	11	11	0	5	5	0	16	16	0	0	0	0.0	0.00		
4.5	Moisture correction	IS : 2386 (P-3)	1 Test / Every day's work	145	145	0	31	31	0	176	176	0	5	5	0.0	16.13		
(V). Concrete Cube's Compressive Strength Test		IS: 516																
♣ Grade of Concrete : M-10 PCC																		
5.1	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	23	23	0	3	3	0	26	26	0	0	0	0	0.00		
5.2	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	50	50	0	13	13	0	63	63	0	2	2	0	15.38		
♣ Grade of Concrete : M-15 PCC																		
5.3	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	1	1	0	1	1	0	0	0	0	0.00		
5.4	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
♣ Grade of Concrete : M-20 PCC																		
5.5	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
5.6	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
♣ Grade of Concrete : M-20 RCC																		
5.7	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
5.8	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
♣ Grade of Concrete : M-20 for KERB																		
5.9	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
5.10	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
♣ Grade of Concrete : M-25 RCC																		
5.11	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
5.12	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00		
♣ Grade of Concrete : M-30 RCC																		
5.13	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	92	92	0	37	37	0	129	129	0	4	4	0	10.81		
5.14	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	247	247	0	52	52	0	299	299	0	30	10	0	57.69		
♣ Grade of Concrete : M-35 RCC																		
5.15	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	39	39	0	14	14	0	53	53	0	2	2	0	14.29		
5.16	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	47	47	0	62	62	0	109	109	0	40	40	0	64.52		

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♣ Grade of Concrete : M-35 Pile																	
5.17	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
5.18	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
♣ Grade of Concrete : M-35 RE BLOCK																	
5.19	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	35	35	0	23	23	0	58	58	0	4	4	0	17.39	
5.20	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	48	48	0	82	82	0	130	130	0	40	40	0	48.78	
♣ Grade of Concrete : M-40 RCC																	
5.21	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	8	8	0	10	10	0	18	18	0	3	3	0	30.00	
5.22	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	1	1	0	18	18	0	19	19	0	5	5	0	27.78	
♣ Grade of Concrete : M-45 RCC/PSC																	
5.23	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
5.24	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
♣ Grade of Concrete : M-50 RCC/PSC																	
5.25	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
5.26	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
♣ Grouting of PSC Girders																	
5.27	for 7 days	IS : 516	As per Frequency MoRT&H	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
5.28	for 28 days	IS : 516	As per Frequency MoRT&H	0	0	0	0	0	0	0	0	0	0	0	0	0.00	

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(VI). Cement tests																
6.1	Fineness of Cement	IS : 4031 (P-1)	1 Test Every Batch of Cement	21	21	0	4	4	0	25	25	0	2	2	0	50.00
6.2	Normal Consistency	IS : 4031 (P-4)	1 Test Every Batch of Cement	21	21	0	4	4	0	25	25	0	2	2	0	50.00
6.3	Initial Setting Time	IS : 4031 (P-5)	1 Test Every Batch of Cement	21	21	0	4	4	0	25	25	0	2	2	0	50.00
6.4	Final Setting time	IS : 4031 (P-5)	1 Test Every Batch of Cement	21	21	0	4	4	0	25	25	0	2	2	0	50.00
6.5	Compressive Strength (03 Days)	IS : 516	1 Test Every Batch of Cement	21	21	0	6	6	0	27	27	0	3	3	0	50.00
6.6	Compressive Strength (07 Days)	IS : 516	1 Test Every Batch of Cement	21	21	0	8	8	0	29	29	0	3	3	0	37.50
6.7	Compressive Strength (28 Days)	IS : 516	1 Test Every Batch of Cement	18	18	0	9	9	0	27	27	0	3	3	0	33.33
6.8	Soundness	IS : 4031 (P-3)	1 Test Every Batch of Cement	0	0	0	0	0	0	0	0	0	0	0	0	0.0
6.9	Specific Gravity	IS : 4031 (P-11)	1 Test Every Batch of Cement	0	0	0	0	0	0	0	0	0	0	0	0	0.0
(VII). Granular Sub-Base (GSB) MoRT&H Clause - 401																
7.1	Gradation	Table 400-2	1 Test /400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.2	Liquid limits (LL)	IS : 2720 (P-5)	1 Test /400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.3	Plasticity Index (PI)	IS : 2720 (P-5)	1 Test /400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.4	Moisture Prior to Compaction Test	IS : 2720 (P-2)	1 Test /400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.5	Proctor test (MDD & OMC)	IS : 2720 (P-8)	1 Test Per Source / As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.6	California Bearing Ratio Test (CBR)	IS : 2720 (P-16)	1 Test Per Source / As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.7	Water Absorption	IS : 2720 (P-3)	1 Test Per Source / As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.8	Aggregate Impact Value (AIV)	IS : 2386 (P-4)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7.9	Field Compaction Test (GSB)	IS : 2720 (P-28)	1 Set / 1000 Sqm. (1Set = 3 Pit's)	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(VIII). Wet Mix Macadam (WMM) MoRT&H-406																
8.1	Gradation	Table 400-13	1 Test /200 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.2	Atterberg limits (LL & PI)	IS : 2720 (P-5)	1 Test /200 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.3	Proctor test (MDD Vs OMC)	IS : 2720 (P-8)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.4	Aggregate Impact Value (A.I.V)	IS : 2386 (P-4)	1 Test/ 1000 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.5	Combined Flakiness & Elongation (FI & EL)	IS : 2386 (P-1)	1 Test /500 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.6	Water Absorption	IS : 2386 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.7	Soundness	IS : 2386 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.8	Field Compaction Test (WMM)	IS : 2720 (P-28)	1 Set / 1000 Sqm. (1Set = 3 Pit's)	0	0	0	0	0	0	0	0	0	0	0	0	0.00

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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(IX). Dense Bituminous Macadam (DBM)		MoRT&H-500															
9.1	Binder Content & Gradation	As per MoRT&H	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.2	Mix Combined Gradation	As per MoRT&H	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.3	Marshall Test (In Sets)	ASTM-D :1559	1 Set/ 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.4	Aggregate Impact Value (A.I.V)	IS : 2386 (P-4)	1 Test / 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.5	Combined Flakiness & Elongation (FI & EI)	IS : 2386 (P-1)	1 Test / 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.6	Water Absorption & Specific Gravity	IS : 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.7	Stripping Value	IS : 6241	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.8	Maximum Sp.Gravity(Gmm)	ASTM D 2041	1 Set/ 400 MTMix	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.9	Density of compacted layer	MoRT&H Sec.900	1 Test / 700 Sq.m	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.10	Soundness	IS : 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.11	Sand equivalent test	IS : 2720 (P-37)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.12	plasticity Index	MoRT&H Sec.900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.13	percentage of Fractured face	MoRT&H Sec.900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.14	Polished Stone Value	BS: 812 (P-114)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(X). Bituminous Concrete (BC)		MoRTH-500															
10.1	Binder Content & Gradation	As per MoRT&H	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.2	Mix Combined Gradation	As per MoRT&H	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.3	Marshall Test (In Sets)	ASTM-D :1559	1 Test/ 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.4	Aggregate Impact Value (A.I.V)	IS : 2386 (P-4)	1 Test / 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.5	Combined Flakiness & Elongation (FI & EI)	IS : 2386 (P-1)	1 Test / 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.6	Water Absorption & Specific Gravity	IS : 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.7	Stripping Value	IS : 6241	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.8	Maximum Sp.Gravity(Gmm)	ASTM D 2041	1 set/ 400 MTMix	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.9	Density of Compacted Layer	MoRT&H Sec.900	1 test / 700 Sq.m	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.10	Soundness	IS : 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.11	Sand equivalent test	IS : 2720 (P-37)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.12	plasticity Index	MoRT&H Sec.900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.13	percentage of Fractured face	MoRT&H Sec.900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.14	Polished Stone Value	BS: 812 (P-114)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(XI). Bitumen (VG-40)																	
11.1	Softening Point(°c)	IS : 1205	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.2	Penetration at 25°c 100gm 5 Sec	IS : 1203	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.3	Ductility at 25°c	IS : 1208	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.4	Absolute Viscosity at 60°/135°c (CST)	IS : 1206 (P-2)	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.5	Kinematic Viscosity at 135°c (CST)	IS : 1206 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.6	Specific Gravity at 27°c	IS : 2380 (P-4)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.7	Flash Pint	IS : 1209 (IS: 1448 P-69)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.8	Solubility Test	IS : 1216	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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(XII). MODIFIED BITUMEN (PMB 76E-10)																	
12.1	Specific Gravity at 27 ⁰ C	IS : 2380 (P-4)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
12.2	Softening Point (°C)	IS : 1205	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
12.3	Seperation, Difference in Softening Point (0 ⁰ C)	IS : 15462: 2019	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
12.4	Elastic Recovery at 15 ⁰ C	IS : 15462: 2019	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XIII). Emulsion (SS-1)																	
13.1	Viscosity @ 25 ⁰ C	IS : 8887:2004	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	
13.2	Water Content	IS : 8887:2004	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	
13.3	Prime coat	IS : 8887:2004	3 test / Day	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XIV). Emulsion (RS-1)																	
14.1	Viscosity @ 50 ⁰ C	IS : 8887:2004	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	
14.2	Water Content	IS : 8887:2004	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	
14.3	Tack Coat	IS : 8887:2004	3 test / Day	0	0	0	0	0	0	0	0	0	0	0	0	0.00	

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THIRD PARTY TESTS (NABL ACCREDITED LABORATORY)																	
(XV). Coarse Aggregates																	
15.1	Gradation	IS : 2386 (P-1)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.2	FI & EI	IS : 2386 (P-1)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.3	Aggregate Impact Value	IS : 2386 (P-4)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.4	Specific Gravity	IS : 2386 (P-3)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.5	Water Absorption	IS : 2386 (P-3)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.6	Deleterious Content	IS : 2386 (P-1)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.7	L.A.V.	IS : 2386 (P-4)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.8	Alkali Aggregate Reactivity	IS : 2386 (P-7)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.9	Soundness	IS : 2386(P-5)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
15.10	Petrographic Examination	IS : 2386 (P-8)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0	0.00	
15.11	Stone Polished Value	BS-812 (P-114)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0	0.00	
(XVI). Fine Aggregates																	
16.1	Gradation	IS : 383	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.2	Specific Gravity	IS : 2386 (P-3)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.3	Water Absorption	IS : 2386 (P-3)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.4	Deleterious Content	IS : 2386 (P-1)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.5	Silt Content	IS : 2386 (P-4)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.6	Alkali Aggregate Reactivity	IS : 2386 (P-7)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.7	Soundness	IS : 2386(P-5)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.8	Organic Impurities	IS : 2386 (P-8)	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
16.9	Fineness Modulus	IS : 383	1 Test / Source	2	2	0	1	1	0	3	3	0	0	0	0	0.00	
(XVII). TMT Bar's (Steel)																	
17.1	Physical properties	IS : 1786	< 10mm - 1 sample/25 MT, 10-16mm-1sample/35 MT,	11	11	0	0	0	0	11	11	0	0	0	0	0.00	
17.2	Chemical properties	IS : 1786	> 16mm - 1 sample/45 MT	11	11	0	0	0	0	11	11	0	0	0	0	0.00	
(XVIII). Construction Water																	
18.1	Suitability for construction	IS : 456	1 Test Per Source / As Required	1	1	0	0	0	0	1	1	0	0	0	0	0.00	
(XIX). Chemical Admixture																	
19.1	Physical & Chemical properties	IS : 9103	1 Test/ Per Lot	1	1	0	0	0	0	1	1	0	0	0	0	0.00	
(XX). Cement (OPC-53 Grade)																	
20.1	Physical & Chemical properties	IS : 8112	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00	
(XXI). Soil - Borrow Area																	
21.1	Mechanical	IS : 2720 (P-39)	1 Test / Source	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XXII). NP-4 Hume Pipe Test																	
22.1	600 MM	IS : 458	1 test per Lot /of 50 Pipes	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XXIII). Bitumen (Emulsion)																	
23.1	Bitumen Emulsion SS-1	IS : 8887	1 Test/ Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
23.2	Bitumen Emulsion RS-1	IS : 8887	1 Test/ Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XXIV). Bitumen (VG-40)																	
24.1	Bitumen VG-40	IS : 73	1 Test/ Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XXV). Bitumen (PMB)																	
25.1	Bitumen PMB	IS : 15462-2019	1 Test/ Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XXVI). Curing Compound																	
26.1	Physical & Chemical properties	ASTM C309	1 Test/ Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XXVII). Soil																	
26.1	Direct Shear Test	ASTM C309	As per Source 1 Test/ As Required	0	0	0	3	3	0	3	3	0	0	0	0	0.00	

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**CHAPTER-11
CORRESPONDENCE**

11.1 Outward Letter

S.N	Letter No.	Date	Subject	To
1	<u>MKCIL/ASSAM/PKG-06/415</u>	07.08.2025	Submission of monthly progress report for the month of july.	TL (AIPPL)
2	<u>MKCIL/ASSAM/PKG-06/418</u>	10.08.2025	Request for the clearance of hindrance of structure as per article 10, Clause 10.3 and 10.4 of Concession agreement	GM (NHIDCL)
3	<u>MKCIL/ASSAM/PKG-06/421</u>	11.08.2025	Regarding Submission of Design and Drawing for MNB at Ch. 105+378 (1x6)	TL (AIPPL)
4	<u>MKCIL/ASSAM/PKG-06/422</u>	11.08.2025	Regarding Submission of Revised Design and Drawing for MNB at Ch.102+508 (1x6) & 103+116 (1x6)	TL (AIPPL)
5	<u>MKCIL/ASSAM/PKG-06/425</u>	12.08.2025	Regarding Submission of Pipe Culvert Drawings at Ch.98+052 & 98+896	TL (AIPPL)
6	<u>MKCIL/ASSAM/PKG-06/427</u>	13.08.2025	Regarding Submission of Design and Drawing for MNB at Ch. 103+440 (3x6).	TL (AIPPL)
7	<u>MKCIL/ASSAM/PKG-06/428</u>	13.08.2025	Regarding Submission of GAD for Box Culvert (1x2x2) at Ch. 101+883.	TL (AIPPL)
8	<u>MKCIL/ASSAM/PKG-06/431</u>	14.08.2025	Reg. Submission of Borrow Area Soil Samples for Conducting Third Party Test.	Managing Director (Avian Test Lab)
9	<u>MKCIL/ASSAM/PKG-06/432</u>	14.08.2025	Submission of Aggregate 20mm & 10mm Samples for Conducting Third Party Test.	Managing Director (Avian Test Lab)
10	<u>MKCIL/ASSAM/PKG-06/433</u>	14.08.2025	“Request for APDCL Power Connection Permission for Crusher at Kalain.	GM (NHIDCL)
11	<u>MKCIL/ASSAM/PKG-06/436</u>	18.08.2025	Reg. maintenance of existing road during construction period.	TL (AIPPL)
12	<u>MKCIL/ASSAM/PKG-06/437</u>	18.08.2025	Reg. availability of PPE kit for worker/staff at site projects.	TL (AIPPL)
13	<u>MKCIL/ASSAM/PKG-06/438</u>	18.08.2025	Reg. submission of List of survey equipment and calibration certificates.	TL (AIPPL)
14	<u>MKCIL/ASSAM/PKG-06/440</u>	19.08.2025	Regarding Submission of Design and Drawing for MNB at Ch. 105+697.	TL (AIPPL)
15	<u>MKCIL/ASSAM/PKG-06/442</u>	21.08.2025	Regarding Submission of Geotech & Hydrology Reports of Structures	TL (AIPPL)
16	<u>MKCIL/ASSAM/PKG-06/444</u>	22.08.2025	“Regarding review Comments of Independent Engineer & Submission of MPR of July 2025	TL (AIPPL)
17	<u>MKCIL/ASSAM/PKG-06/446</u>	23.08.2025	Regarding Submission of Revised D&D for Minor Bridges (Widening) at Ch. 97+784 & 99+050 (Span-1x6)	TL (AIPPL)
18	<u>MKCIL/ASSAM/PKG-06/450</u>	25.08.2025	“Regarding Encumbrances on Site	TL (AIPPL)
19	<u>MKCIL/ASSAM/PKG-06/451</u>	25.08.2025	Regarding Submission of Design and Drawing for Cast-in-situ Box culvert at Ch. 94+927	TL (AIPPL)
20	<u>MKCIL/ASSAM/PKG-06/453</u>	27.08.2025	Regarding Submission of Design and Drawing for Cast-in-situ Box culvert (1x2x1.5) at Ch.101+883 (1x2)	TL (AIPPL)
21	<u>MKCIL/ASSAM/PKG-06/455</u>	28.08.2025	Regarding Submission of Design and Drawings for Minor Bridges at Ch. 87+787 (1x25) & 89+593 (1x20)	TL (AIPPL)
22	<u>MKCIL/ASSAM/PKG-06/457</u>	29.08.2025	Submission of third-party test report of aggregate of 10mm,20mm for source approval for Meghalaya Quarry	TL (AIPPL)
23	<u>MKCIL/ASSAM/PKG-06/458</u>	29.08.2025	Submission of third-party test report of soil	TL (AIPPL)
24	<u>MKCIL/ASSAM/PKG-06/461</u>	30.08.2025	Clarification Regarding ROW and Structure Width in Reference to Contract Agreement	TL (AIPPL)

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11.2. Inward Letter AIPPL and NHIDCL

Sr.No.	Letter No.	Date	Subject	From
1	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/64</u>	01.07.2025	Regarding submission of third-party test report and updated document of Elegant steel for source approval	AIPPL-AYOLEEZ A (JV)
2	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/65</u>	01.07.2025	Regarding storage of reinforcement bar	AIPPL-AYOLEEZ A (JV)
3	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/66</u>	12.07.2025	Regarding Observation on submitted pavement design Report.	AIPPL-AYOLEEZ A (JV)
4	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/67</u>	12.07.2025	Regarding submission of contract price weightage as per Annexure-I of schedule-G of Concessionaire Agreement.	AIPPL-AYOLEEZ A (JV)
5	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/68</u>	14.07.2025	Review Comments of Independent Engineer Regarding submission of Monthly Progress Report of June 2025.	AIPPL-AYOLEEZ A (JV)
6	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/69</u>	14.07.2025	Regarding Submission of Design of Staging of Deck Slab for MNB, LVUP & VUP.	AIPPL-AYOLEEZ A (JV)
7	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/71</u>	16.07.2025	Regarding Submission of Design & Drawing for Foundation & Substructure of VUP at Ch-97+000 (1x20) and Ch 100+290 (1x20).	AIPPL-AYOLEEZ A (JV)
8	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/72</u>	16.07.2025	Regarding Submission of Design & Drawing for Box Culvert at Ch. 101+064 (1x4x2).	AIPPL-AYOLEEZ A (JV)
9	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/73</u>	16.07.2025	Regarding Submission of Typical Design & Drawing for Precast Box Culvert (1x2x2).	AIPPL-AYOLEEZ A (JV)
10	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/74</u>	16.07.2025	Regarding Submission of Typical Design & Drawing for Precast Box Culvert (1x3x3).	AIPPL-AYOLEEZ A (JV)
11	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/75</u>	16.07.2025	Regarding Submission of Typical Design & Drawing for Precast Box Culvert (1x4x3).	AIPPL-AYOLEEZ A (JV)
12	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/76</u>	17.07.2025	Regarding Submission of GAD Box Culverts (1x2x2) at Ch. 93+355, 99+447 & 99+517.	AIPPL-AYOLEEZ A (JV)
13	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/77</u>	18.07.2025	Maintenance of Existing Road during Construction Period.	AIPPL-AYOLEEZ A (JV)
14	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/78</u>	18.07.2025	Finalization of Contract Price Weight-age as per Annexure-I of Schedule-G of Concession Agreement.	AIPPL-AYOLEEZ A (JV)
15	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/79</u>	21.07.2025	Regarding Submission of Profile & Credentials of Tech-fab India for source Approval.	AIPPL-AYOLEEZ A (JV)
16	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG-06/80</u>	23.07.2025	Submission of Typical Design & Drawing of RE Wall	AIPPL-AYOLEEZ A (JV)

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17	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/93</u>	28.07.2025	Regarding - Submission of Payment Milestone-I (First).	AIPPL-AYOLEEZ A (JV)
18	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/94</u>	01.08.2025	Regarding-Arrangement for Traffic during construction of Structure work at Site.	AIPPL-AYOLEEZ A (JV)
19	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/98</u>	07.08.2025	Reg. Storage of reinforcement bar at base camp.	AIPPL-AYOLEEZ A (JV)
20	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/99</u>	07.08.2025	Maintenance of Existing Road during Construction Period.	AIPPL-AYOLEEZ A (JV)
21	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/101</u>	11.08.2025	Non-availability of PPE kits for worker/staff at project site	AIPPL-AYOLEEZ A (JV)
22	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/102</u>	11.08.2025	Regarding observation on submitted Pavement design report.	AIPPL-AYOLEEZ A (JV)
23	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/105</u>	13.08.2025	Review comments of IE regarding submission of MPR of July 2025	AIPPL-AYOLEEZ A (JV)
24	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/106</u>	13.08.2025	Regarding submission of profile and credential of Fibertrone composite pvt. Ltd for source approval	AIPPL-AYOLEEZ A (JV)
25	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/107</u>	13.08.2025	Regarding submission of profile and credentials for GFRP bars	AIPPL-AYOLEEZ A (JV)
26	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/111</u>	19.08.2025	Monthly Progress Report for the Month of July 2025 Regarding.	AIPPL-AYOLEEZ A (JV)
27	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/112</u>	21.08.2025	Regarding submission of contract price weightage as per Annexure-I of schedule-G of Concessionaire Agreement.	AIPPL-AYOLEEZ A (JV)
28	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/113</u>	25.08.2025	Regarding submission of pipe culvert at ch-989+052and 98+896 (2x1.2)	AIPPL-AYOLEEZ A (JV)
29	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/114</u>	25.08.2025	Regarding submission of design and drawing of MNB 103+440(3X6)	AIPPL-AYOLEEZ A (JV)
30	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/115</u>	25.08.2025	Regarding submission of design and drawing of MNB 105+368	AIPPL-AYOLEEZ A (JV)
31	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/116</u>	25.08.2025	Regarding submission of design and drawing of MNB 102+508 and 103+116	AIPPL-AYOLEEZ A (JV)
32	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/117</u>	25.08.2025	Regarding maintenance of existing road	AIPPL-AYOLEEZ A (JV)
33	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/118</u>	28.08.2025	Regarding submission of Design and drawing for Cast-in-situ Box-culvert (1x2x1.5) at ch-101+883(1x2)	AIPPL-AYOLEEZ A (JV)
34	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/119</u>	28.08.2028	Regarding submission of Design and drawing for super-Structure of VUP at ch-97+000 and 100+290	AIPPL-AYOLEEZ A (JV)
35	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/120</u>	28.08.2025	Regarding observation on submission for finalization of schedule -G	AIPPL-AYOLEEZ A (JV)

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36	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/121</u>	29.08.20 25	Regarding submission of design and drawing for Cast-in - situ-Box-Culvert at ch-94+927	AIPPL-AYOLEEZ A (JV)
37	<u>AIPPL-AYOLEEZA/IE/NHIDCL/Karimgani/PKG-06/122</u>	30.08.20 25	Submission of third-party test report of aggregate of 10mm,20mm for source approval for Meghalaya quarry.	AIPPL-AYOLEEZ A (JV)
38	<u>NHIDCL/PMU-Karimgani/2025-26/404</u>	29.08.20 25	Estimate of utility shifting	1) GM (NHIDCL) 2) AIPPL (HO)

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CHAPTER-12

Force Majeures

12.1 Force Majeures- Due to certain non-political event the overall progress of the Project is being obstructed, the details of non-political event are as mentioned in terms of correspondence below.

SN	Letter no.	Date	Subject	To
1	MKCIL/ASSAM/PKG-06/308	16.06.2025	Notifying the delay in Providing Right of Way to the Concessionaire in respect of all land.	GM (NHIDCL)

CHAPTER-13

NON-CONFORMANCE REPORT

NIL

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CHAPTER-14

WEATHER REPORT

Sl no.	Date	Temperature (In °C)		Humidity (In %)		Rainfall (mm)	Weather Condition
		Minimum	Maximum	Minimum	Maximum		
1	01-08-2025	28.2	30.8	80.0	85.0	0.0	Sunny
2	02-08-2025	27.5	29.9	80.0	86.0	0.0	Cloudy
3	03-08-2025	28.2	30.1	82.0	90.0	12.6	Cloudy/Rainy
4	04-08-2025	26.3	28.2	86.0	92.0	130.8	Cloudy/Rainy
5	05-08-2025	27.1	29.5	81.0	90.0	10.2	Cloudy/Rainy
6	06-08-2025	27.9	29.1	88.0	93.0	45.0	Cloudy/Rainy
7	07-08-2025	27.5	29.9	84.0	98.0	16.2	Cloudy/Rainy
8	08-08-2025	27.1	28.7	81.0	90.0	11.0	Cloudy/Rainy
9	09-08-2025	27.8	29.5	82.0	93.0	20.4	Cloudy/Rainy
10	10-08-2025	28.4	30.8	80.0	91.0	0.0	Sunny
11	11-08-2025	28.9	30.2	81.0	89.0	15.0	Sunny/Rainy
12	12-08-2025	27.5	29.9	83.0	92.0	80.6	Rainy
13	13-08-2025	27.8	29.2	86.0	91.0	25.0	Rainy
14	14-08-2025	28.4	30.1	81.0	89.0	30.2	Rainy
15	15-08-2025	28.1	30.8	75.0	88.0	18.0	Sunny/Rainy
16	16-08-2025	28.3	30.1	78.0	89.0	0.0	Sunny
17	17-08-2025	28.6	30.2	80.0	86.0	0.0	Sunny
18	18-08-2025	28.5	30.6	76.0	84.0	95.4	Sunny/Rainy
19	19-08-2025	29.1	31.9	74.0	83.0	0.0	Sunny
20	20-08-2025	28.4	30.8	76.0	84.0	22.6	Rainy
21	21-08-2025	28.1	29.9	77.0	83.0	12.0	Rainy
22	22-08-2025	28.5	30.8	81.0	87.0	15.6	Rainy
23	23-08-2025	28.6	31.2	78.0	84.0	28.0	Rainy
24	24-08-2025	28.8	30.7	79.0	86.0	0.0	Sunny
25	25-08-2025	28.1	29.8	80.0	85.0	120.2	Rainy
26	26-08-2025	28.5	31.2	75.0	84.0	28.0	Rainy
27	27-08-2025	28.1	29.8	78.0	82.0	17.0	Sunny/Rainy
28	28-08-2025	28.2	30.5	81.0	92.0	0.0	Sunny
29	29-08-2025	28.1	29.9	80.0	89.0	18.2	Sunny/Rainy
30	30-08-2025	28.6	30.3	89.0	90.0	0.0	Sunny
31	31-08-2025	29.4	31.5	82.0	91.0	0.0	Sunny

Rainfall Data					
SN	Description	Total Rainfall(mm)	Up to previous month(mm)	This month(mm)	Remark
1	Rainfall	3238.8	2466.8	772.0	

The maximum & minimum weather records are summarized below:

TEMPERATURE/ RAINFALL PERIOD: 1 st June, 2025 to 30 th June, 2025				
Temperature		Rainfall		
Maximum (in °C)	Minimum (in °C)	Maximum (in mm)	Minimum (in mm)	Total Days
31.9	26.3	130.8	10.2	21

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**CHAPTER-15
ACCIDENT REPORT**

NIL

CHAPTER-16

ROAD MAINTENANCE & SAFETY REPORT

The Traffic Safety Arrangements during the execution of works is being carried out by the Concessionaire for safe movement of vehicles on the project highway. The Concessionaire has provided sufficient road signs, temporary barriers, gunny bags filled with soil with reflective stickers etc. at the construction sites.

CHAPTER-17



Reinforcement and formwork of checking at ch-100+290(VUP)



Reinforcement and formwork checking of ch-98+587(LVUP)

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Steel placing and fixing work at ch-92+248(LVUP)



Preparation of sub-grade top at chainage-98+100

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Pot hole filling work at chainage-94+000



Excavation work at ch-97+102(MNB)

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FDD checking at chainage-92+400



Cube test in presence of IE's representative

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Concrete pouring at chainage-100+290 (VUP)



FSCB Casting work



Curing work at chainage-100+290(VUP)