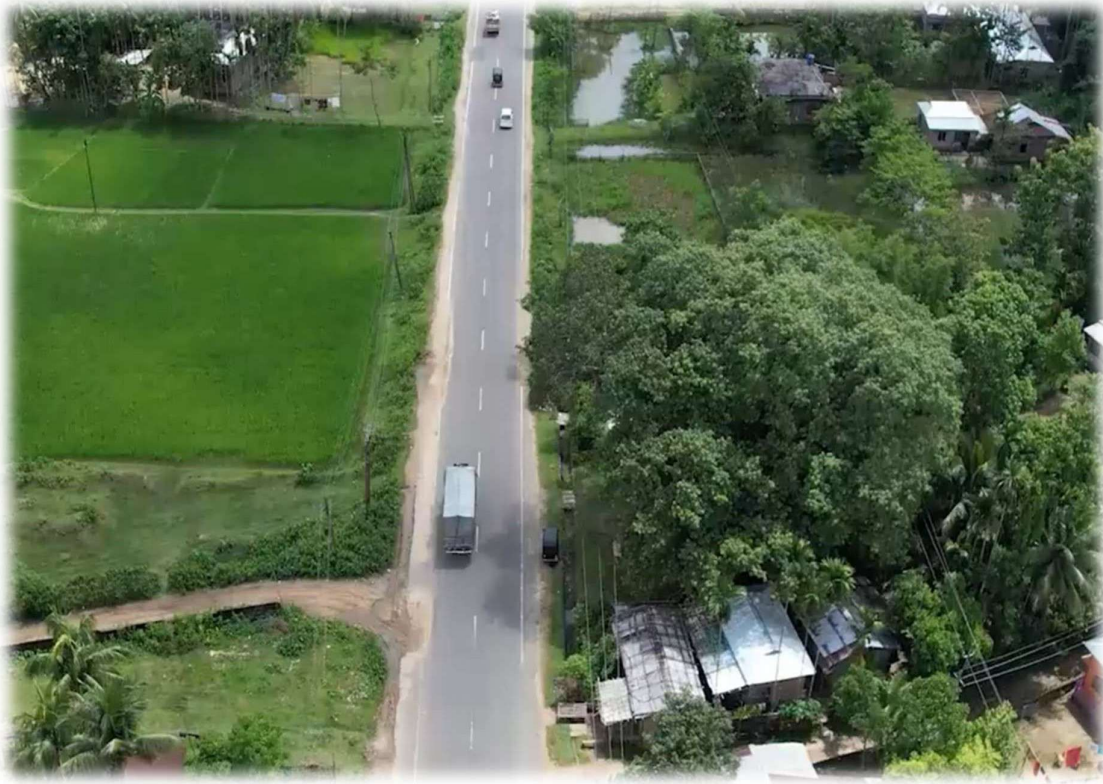


Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

Monthly Progress Report

December-2025



Authority		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		MKC Badarpur Churaibari Kamakhya Highways Pvt. Ltd.

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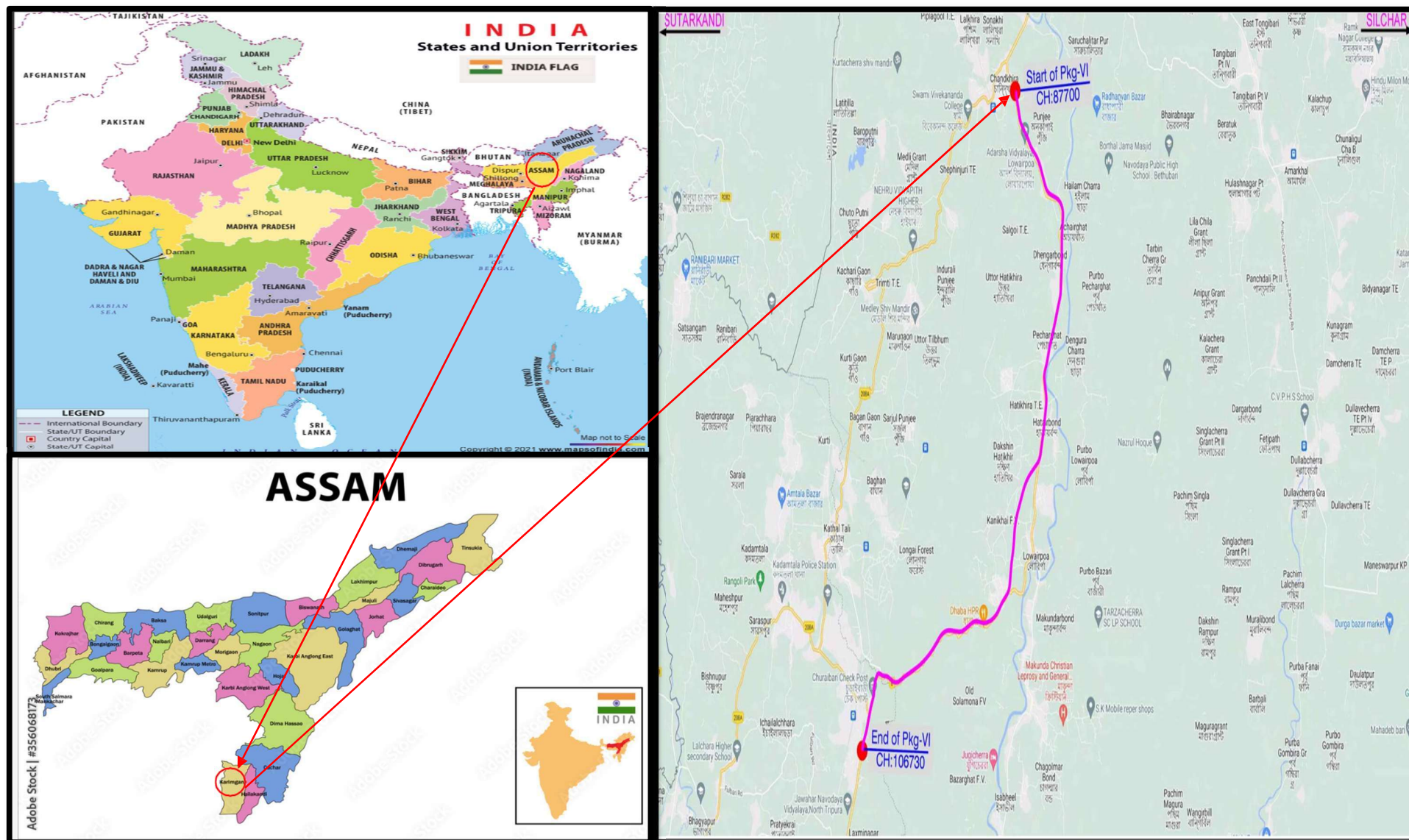
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Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 87.700 (Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI (Length=18.80 km)

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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)

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)

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 LHS (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 **31-12-2025** 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	5.00	3.00	3.00	2.00	
4.	Minor Bridge	Nos.	24.00	23.00	22.00	1.00	
5.	Underpass	Nos.	6.00	6.00	6.00	0.00	
6.	Box-Culvert	Nos.	38.00	38.00	38.00	0.00	Revised 4 Nos D & D Submitted under letter reference MKCIL/ASSAM/PKG-6/571 dated-18.11.2025
7.	HPC	Nos.	10.00	10.00	10.00	0.00	

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)

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)

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

Procurement of ROW- The existing ROW and the stretches of 18.80 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	12.715	67.6%	BHS	6.085	32.36%

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	92+780	LHS	
6.	Small Temple Structure	94+300	RHS	
7.	Temple	94+760	LHS	
8.	Jama Masjid	95+650	RHS	
9.	Temple	95+750	RHS	
10.	Bishnu Temple	100+800	LHS	
11.	Old Temple Shed & Pipal Tree	102+610	RHS	
12.	Shiv Temple Shed	104+400	LHS	
13.	Temple Building	105+800	RHS	
14.	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)

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	90+100	90+270	RHS	0.170	structure
3	88+960	88+980	LHS	0.020	structure	91+300	91+340	RHS	0.040	structure
4	89+390	89+530	LHS	0.140	structure	91+700	91+800	RHS	0.100	structure
5	89+700	89+830	LHS	0.130	structure	92+290	92+320	RHS	0.030	structure
6	89+870	89+900	LHS	0.030	structure	92+580	92+640	RHS	0.060	structure
7	90+030	90+060	LHS	0.030	structure	92+900	93+000	RHS	0.100	structure
8	90+080	90+100	LHS	0.020	structure	93+430	93+460	RHS	0.030	structure
9	92+130	90+180	LHS	0.050	structure	93+950	94+000	RHS	0.050	structure
10	90+200	90+430	LHS	0.230	structure	94+540	94+560	RHS	0.020	structure
11	90+800	90+900	LHS	0.100	structure	94+620	94+640	RHS	0.020	structure
12	91+530	91+630	LHS	0.100	structure	95+100	95+200	RHS	0.100	structure
13	91+700	91+920	LHS	0.220	structure	95+650	95+680	RHS	0.030	structure
14	92+370	92+400	LHS	0.030	structure	95+700	95+850	RHS	0.150	structure
15	93+500	93+530	LHS	0.030	structure	100+430	100+450	RHS	0.020	structure
16	93+740	93+760	LHS	0.020	structure	100+500	100+600	RHS	0.100	structure
17	94+200	94+400	LHS	0.200	structure	100+720	100+800	RHS	0.080	structure
18	94+480	94+500	LHS	0.020	structure	100+950	101+050	RHS	0.100	structure
19	94+630	94+700	LHS	0.070	structure	102+208	106+500	RHS	4.292	Forest Land
20	95+250	95+350	LHS	0.100	structure					
21	95+480	95+500	LHS	0.020	structure					
22	95+600	95+795	LHS	0.195	structure					
23	100+700	100+850	LHS	0.150	structure					
24	100+950	101+050	LHS	0.100	structure					
25	101+230	101+350	LHS	0.120	structure					
26	101+920	102+000	LHS	0.080	structure					
27	102+208	106+500	LHS	4.292	Forest Land					
Total Hindered Length				6.637	LHS				5.532	RHS
Total Hindered Length BHS in RMT				12.169						

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)

14. Current Issues: -

The reference and notice issues mentioned below have been considered as hinderances that are directly affecting the Concessionaire's progress, achievement of various milestones, and cash flow:

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 67.6% of the land is currently free from encumbrances.

As per Joint Handover Memorandum (Appendix-I) dated 07.03.2025

SUMMARY OF LAND ACQUISITION & CLEARANCES

Sl. No	Total Land Required (in Ha)	Available Land (in Ha)	Remaining Land (In Ha)	Encumbrance free length (in Km)	% Available encumbrance free length	% Available encumbrance free length excluding forest land
1	86.65	64.7969	• 3A- 5.0266 Ha • Forest Land – 14.11 Ha. Total : 19.1366 Ha.	14.508 Km	77.17%	100%

Authorized Representative:



M/s. KCB Infrastructure Churaibari Kamakhya (Pkg-6) Highways Pvt. Ltd.

General Manager(P)

General Manager (P)
NHIDCL, PMU-Karimganj

Karimganj, Assam
PMU-Karimganj
NHIDCL

Date: 07/03/2025

Place: Sri Bhumi (Karimganj)

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)

b) Proposal of COS: -

1. The proposal of Change of scope for Retaining wall is still pending by the end of the IE/Authority.

The Concessionaire has intimated the Independent Engineer vide letter MKCIL/ASSAM/PKG 6/550 dated 07.11.2025 regarding the proposal for the construction of a retaining wall that mainly arise due to ROW constraint in high-embankment stretches, covering a total length of approximately 440 meters.

2. The proposal of Change of scope for unsuitable soil is still pending by the end of the IE /Authority.

1st Case: The Concessionaire has intimated the Authority/I.E. vide letter MKCIL/ASSAM/PKG 6/222 dated 01.05.2025 regarding the Change of Scope as per Article 16 due to presence of unsuitable soil encountered at several stretches of the project highway.

During the Field Soil Investigation (FSI) conducted at our site laboratory, the soil samples found fail in the test. When placed in water, the soil samples were observed to float, indicating unsuitable for construction purpose. Due to abnormal behavior of the soil, no further standard testing could be carried out on these samples.

2nd Case: The Concessionaire has intimated the Authority/I.E. vide letter MKCIL/ASSAM/PKG 6/224 dated 01.05.2025 regarding the Change of Scope as per Article 16 for several weaker stretches of weak soil strata which have been encountered during the geotechnical investigations. These weak soil zones were neither identified or indicated in the Detailed Project Report (DPR) nor in Concession Agreement for the above-mentioned project.

- c) Decision for COS on MNBs (Experienced settlement) –** The decision for COS on existing MNBs experiencing settlement, as referred vide letter no. **MKCIL/ASSAM/PKG-06/629**, is still pending with the IE/Authority. The matter relates to settlement observed in the foundations of the existing minor bridges, for which clarification and approval from the Authority are awaited before any further action can be taken.
- d) Proposal of COS on Existing Box-culvert-** The proposal for COS on the existing box culvert, as submitted vide letter no. MKCIL/ASSAM/PKG-06/607, is pending with the IE/Authority for review and decision. The existing box culvert is currently in a distressed condition, and the proposed COS has been submitted to address the structural deficiencies.
- e) Finalization of Pavement design: -** The pavement design is yet to be finalized by the IE/Authority, which has resulted in a gradual slowdown in the overall progress of the project.
- f) Delay in Completion of Formalities: -** The necessary formalities for the EHT line shifting works have not yet been finalized by the Authority.
- g) Non-Permission from PWD Authorities: -** PWD authorities are not allowing machinery movement through the PWD road for transporting good and construction materials.

It is essential to transport forest materials such as aggregates, soil, sand, and other construction materials from the designated quarry and borrow areas to the project site.

These materials are to be transported through certain PWD rural roads, as these routes form the only available access between the material sources and the construction stretch.

However, the **Karimganj PWD Divisional Officer** has restricted the movement of construction vehicles carrying these materials through the said rural roads, which has caused a significant hindrance to the ongoing project works and may adversely affect the overall project timeline.

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)

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)

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	449.81 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)

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.

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)

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	GSB	R-WMM	DBM	BC
	From	To						
MCW	87+700	106+500	18.800	500.00	200.00	205.00	65.00	40.00
				Sub-Grade	R-GSB	R-WMM	DBM	BC
Service Road/Slip Road				500.00	200.00	175.00	50.00	30.00
Note: -The approval of Pavement design is still pending by the end of Authority.								

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, 48- Culverts.
- Construction of Slip Road of 10.460 Km (L)
- Construction of Sr. 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) 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
- b) Operation and Maintenance centres
- c) Way side Amenities/ Service Areas
- d) Bus Bay and Bus Shelter
- e) Pedestrian Facilities
- f) Highway Lighting
- g) Rainwater Harvesting
- h) Environmental Management Plan
- i) Advanced Traffic Management System (ATMS)
- j) Highway Patrol Unit
- k) Emergency Medical Services
- l) 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)

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	Submitted	
2	Article 11	Shifting and Relocation Electrical Utilities	In-progress	
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	Submitted	MKCIL-169 dt. 01.04.2025
11		Construction Methodology	Submitted	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)

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	460.00	
3.	Balance Trees	231.00	

5.4 Land Acquisition

As appended above in executive summary, Serial no. 13.

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)

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	90+100	90+270	RHS	0.170	structure
3	88+960	88+980	LHS	0.020	structure	91+300	91+340	RHS	0.040	structure
4	89+390	89+530	LHS	0.140	structure	91+700	91+800	RHS	0.100	structure
5	89+700	89+830	LHS	0.130	structure	92+290	92+320	RHS	0.030	structure
6	89+870	89+900	LHS	0.030	structure	92+580	92+640	RHS	0.060	structure
7	90+030	90+060	LHS	0.030	structure	92+900	93+000	RHS	0.100	structure
8	90+080	90+100	LHS	0.020	structure	93+430	93+460	RHS	0.030	structure
9	92+130	90+180	LHS	0.050	structure	93+950	94+000	RHS	0.050	structure
10	90+200	90+430	LHS	0.230	structure	94+540	94+560	RHS	0.020	structure
11	90+800	90+900	LHS	0.100	structure	94+620	94+640	RHS	0.020	structure
12	91+530	91+630	LHS	0.100	structure	95+100	95+200	RHS	0.100	structure
13	91+700	91+920	LHS	0.220	structure	95+650	95+680	RHS	0.030	structure
14	92+370	92+400	LHS	0.030	structure	95+700	95+850	RHS	0.150	structure
15	93+500	93+530	LHS	0.030	structure	100+430	100+450	RHS	0.020	structure
16	93+740	93+760	LHS	0.020	structure	100+500	100+600	RHS	0.100	structure
17	94+200	94+400	LHS	0.200	structure	100+720	100+800	RHS	0.080	structure
18	94+480	94+500	LHS	0.020	structure	100+950	101+050	RHS	0.100	structure
19	94+630	94+700	LHS	0.070	structure	102+208	106+500	RHS	4.292	Forest Land
20	95+250	95+350	LHS	0.100	structure					
21	95+480	95+500	LHS	0.020	structure					
22	95+600	95+795	LHS	0.195	structure					
23	100+700	100+850	LHS	0.150	structure					
24	100+950	101+050	LHS	0.100	structure					
25	101+230	101+350	LHS	0.120	structure					
26	101+920	102+000	LHS	0.080	structure					
27	102+208	106+500	LHS	4.292	Forest Land					
Total Hindered Length				6.637	LHS				5.532	RHS
Total Hindered Length BHS in RMT				12.169						

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)

CHAPTER -6

MOBILIZATION

6.1 Manpower Mobilization of Concessionaire

Sr. No.	Name of Employee	Designation	Department
1.	Satish Chandra Pandey	Sr.GM	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.	Asim Pal	Asst. Manager	Survey
8.	Sunil Singh	Senior Surveyor	Survey
9.	Lakshman Samai	Surveyor	Survey
10.	Saurav Nayak	Junior Surveyor	Survey
11.	Vinay Ram Dubey	Assistant Manager	Liaison
12.	Gulzar Ahmed	Executive	Liaison
13.	Biswajit Santra	Manager	QA/ QC
14.	Jitendra Kumar Sah	Engineer	QA/QC
15.	Kanhaiya Singh	Lab Technician	QA/QC
16.	Shivam Dubey	Lab Technician	QA/QC
17.	Sandeep Kumar Vishwakarma	Lab Technician	QA/QC
18.	Nilamber Mahto	Lab Technician	QA/QC
19.	Shivam Shroshria	G.E.T	QA/QC
20.	Pritom Manna	Junior Engineer	QA/QC
21.	Debjoyti jena	Junior Engineer	QA/QC
22.	Deepak Kumar Mishra	Deputy Manager	Highway
23.	Mohan Kumar Jha	Senior Engineer	Highway
24.	Sonu	Senior Engineer	Highway
25.	Beetan Banarje	Senior Engineer RE Wall	Highway
26.	Ashwini Gupta	Engineer	Highway
27.	Md Shariqre Alam	Jr. Engineer	Highway
28.	Pawan Gupta	Jr. Engineer	Highway
29.	Sadanand Yadav	Jr. Engineer	Highway
30.	Ram Narain Sharma	Sr. Supervisor	Highway
31.	Surendra Sharma	Sr. Supervisor	Highway

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)

32.	Bharat Mahto	Sr. Supervisor	Highway
33.	Gopal Karol	Supervisor	Highway
34.	Karuparthi Kumarswamy	DPM	Structure
35.	Sohan Mishra	Manager	Structure
36.	Jagdish Yadav	Senior Engineer	Structure
37.	Varun Kumar Gautam	Engineer	Structure
38.	Abhishek Singh	Engineer	Structure
39.	Vishal Kumar	Engineer	Structure
40.	Nilesh Kumar	Junior Engineer	Structure
41.	Barun Dubey	Junior Engineer	Structure
42.	Sumit Kumar	Junior Engineer	Structure
43.	Shubham Pandey	Junior Engineer	Structure
44.	Ankit Krishnaut	GET	Structure
45.	Jagdish Pandey	Manager	Planning & Billing
46.	Abhay Kr. Singh	Senior Engineer	Planning & Billing
47.	Rajesh Gantayata	Assistant Engineer	Planning & Billing
48.	Abhinab Kishore	Engineer	Planning & Billing
49.	Harsh	Engineer	Planning & Billing
50.	Tarun Kumar	Get	Planning & Billing
51.	Bikash Chandra Sahu	Senior Executive	IT
52.	Santosh Kumar Jena	Manager	Store
53.	Santosh Kumar Yadav	Senior Executive	Store
54.	Ankit Kumar	Executive	Store
55.	Shiva Dutta Pani	Executive	Store
56.	Asheesh Shukla	Executive	Store
57.	Govind Ram Nagar	Officer	Store
58.	Rahul Mandal	Jr. Executive	Store
59.	Vikas Kumar Ojha	Supervisor	Store
60.	Shailesh Kumar Singh	Supervisor	Store
61.	Ram Mohan Pandey	Supervisor	Store
62.	Sanjay Singh	Supervisor	Store
63.	Arvind Ray	Supervisor	Store
64.	Yashwant Raj	Supervisor	Store
65.	Bhaskar Ganguly	Manager	Mechanical
66.	Milan Kumar Swain	Sr. Engineer	Mechanical
67.	Rajiv Ranjan	Engineer	Mechanical
68.	Sahajan Alom Choudhury	Executive	Mechanical
69.	Aman Kumar	Executive	Mechanical

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)

70.	Mithilesh Kumar	Executive	Mechanical
71.	Debasis Sahoo	Sr, Supervisor	Mechanical
72.	Vijay Ram Dubey	Fleet In-Charge	Mechanical
73.	Shiv Kr. Pareek	Executive	F & A
74.	Shivam Singh	Junior Executive	H.S.E - Safety
75.	Rishu Kumar	Engineer	Electrical

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	Swadesh suman	Assistant Bridge Engineer	13.08.2025
8	Lakhan Singh	Survey Engineer	18.08.2025
9	Pushkar Mishra	Assistant Quality Material Engineer	24.07.2025

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)

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	13	
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	11	
14	Diesel Tanker	02	
15	Trailer	02	
16	DG	13	
17	Tractor	04	
18	Boom Placer	01	
19	Water Tanker	02	
20	Loader	02	
21	Paver	01	

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)

**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 **December 31, 2025**, is enclosed in this chapter of the report.

Road Works

S N	Description	Unit	Total	Submitted	Approval	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	0.00	Approval is still pending by the end of IE/authority.
5.	RE Wall	Nos	5.00	3.00	3.00	
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	24	22	
Box Culverts	38	38	38	Revised 4 Nos D & D Submitted under letter reference MKCIL/ASSAM/PKG-6/571 dated-18.11.2025
Pipe Culvert	10	10	10	

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)

CHAPTER-9

PROJECT WORK PROGRESS

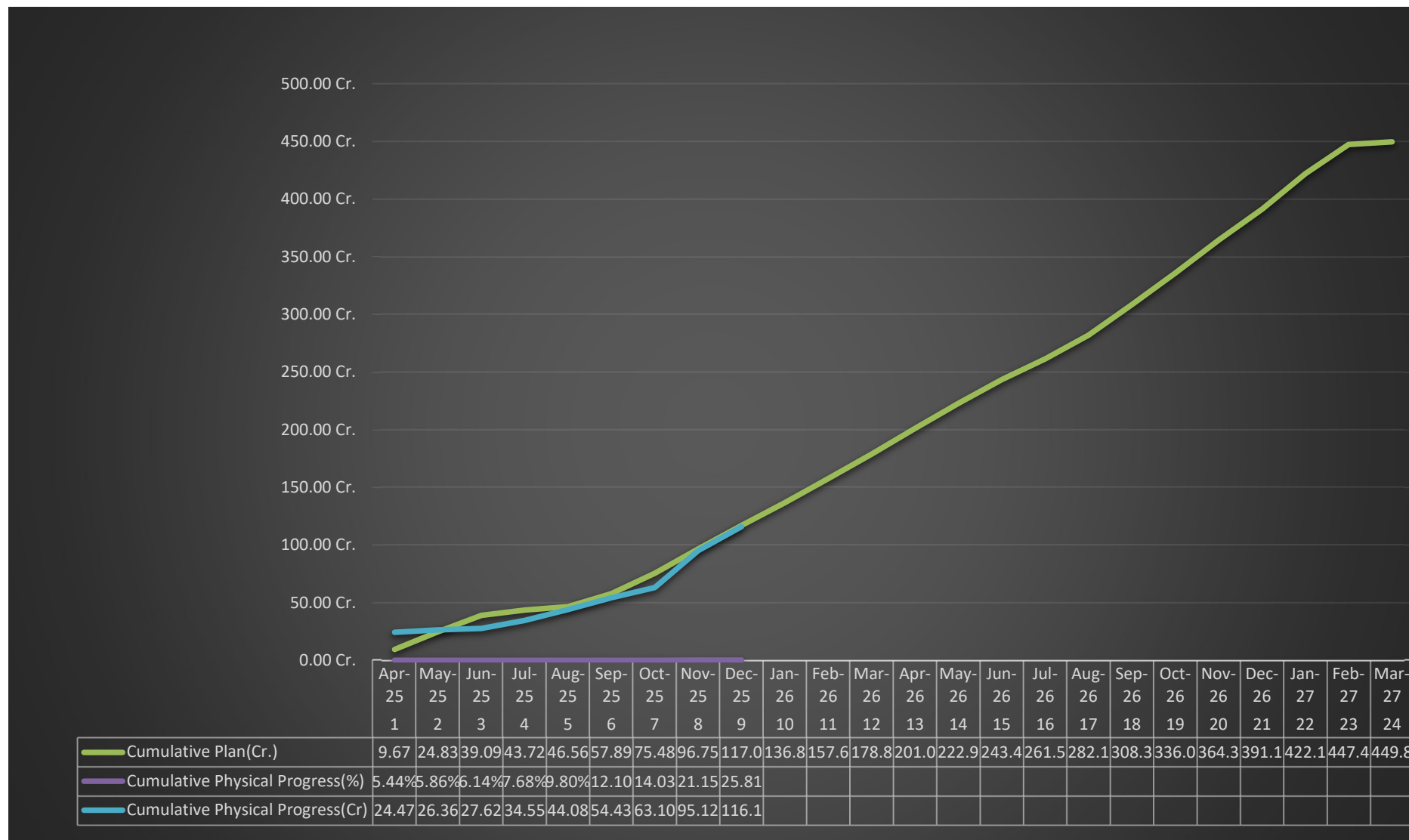
9.1 Work Progress:

Progress as per Schedule G for the month December-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	Physical Progress	% of Physical Progress	Value of Physical progress
Road works including culverts, minor Bridges, underpasses, overpasses, approaches to ROB/RUB/Major Bridges/Strctures (But excluding service road)	A - Widening and strengthening of existing road						
	(1) Earthwork upto top of Sub-grade	L-Km	26.17	15.79%	5.75	22.0%	3.5%
	(2) Granular work (Sub-base, base,shoulder)						
	(a) GSB	L-Km	26.17	5.19%	4.50	17.2%	0.9%
	(b) WMM	L-Km	26.17	4.89%		0.0%	0.0%
	(3) Shoulders	L-Km	26.17	0.21%		0.0%	0.0%
	(4) Bituminous Work						
	(a) DBM	L-Km	26.17	3.80%		0.0%	0.0%
	(b) BC	L-Km	26.17	2.57%		0.0%	0.0%
	(6) Widening and repair of culverts	No.	32.00	1.30%	14.00	43.8%	0.6%
	(7) Widening and repair of Minor Bridges	No.	18.00	4.44%	14.00	77.8%	3.5%
	B - New 4 Lane Realignment/Bypass						
	(1) Earthwork upto top of Sub-grade	L-Km	10.67	5.16%	0.96	9.0%	0.5%
	(2) Granular work (Sub-base, base, Shoulder)						
	(a) GSB	L-Km	10.67	2.50%	0.70	6.6%	0.2%
	(b) WMM	L-Km	10.67	1.83%		0.0%	0.0%
	(3) Shoulders	L-Km	10.67	0.43%		0.0%	0.0%
	(4) Bituminous Work						
	(a) DBM	L-Km	10.67	1.38%		0.0%	0.0%
	(b) BC	L-Km	10.67	0.92%		0.0%	0.0%
	C- New Culverts, Minor Bridges, underpasses, overpasses on existing road, realignment, bypasses:						
	1) Culverts	No.	64.00	3.52%	50.00	78.1%	2.8%
	2) Minor Bridges						
	a) Foundation	No.	62.00	7.87%	22.00	35.5%	2.8%
	b) Sub-Structure	No.	62.00	2.54%	12.00	19.4%	0.5%
	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-a) Precast Girder - On Casting (40%)	No.	20.00	2.32%	8.00	40.0%	0.9%
	c-ii) Slab - after Completion of Slab (60%)	No.	42.00	3.48%	11.00	26.2%	0.9%
	5) Grade Separated Structures						
	a) Underpasses						
	i) Foundation	No.	16.00	3.12%	16.00	100.0%	3.1%
	ii) Sub-Structure	No.	16.00	1.38%	16.00	100.0%	1.4%
	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	0.74%	4.00		
	iii-b) Slab - after Completion of Slab (60%)	No.	12.00	1.10%	8.00	66.7%	0.7%
4) Reinforced Earth Wall (includes Approaches of ROB,Underpasses, Over passes, Flyover etc.) If RE-wall is used with facia panels/blocks, 5% of weightage of the stage in percentage to bid project cost is assigned to the casting of such facia panels/blocks, for a complete approach.							
i) Re-Wall using Panel/Blocks Casting (5%)	Sq.m	52,300.00	0.08%	44,033.18	84.2%	0.1%	
ii) Re-Wall using Panel/Blocks Erection (95%)	Sq.m	52,300.00	1.56%	450.00	0.9%	0.0%	
Electrical and Public Health Utilities	UTILITY SHIFTING						
	EHT Crossing	No.	8.00	1.59%			
	HT/LT lines (including Transformers if any)	Km	18.80	0.35%	9.00	47.9%	0.2%
	HT/LT crossings	No.	67.00	2.36%	34.00	50.7%	1.2%
	Water pipeline	L-Km	26.98	0.49%	26.98	100.0%	0.5%
	Water pipeline crossings	No.	23.00	0.32%	10.00	43.5%	0.1%
	MISSCELANEOUS WORKS						
Other Works	i) - Service Road / Slip Road	L-Km	20.90	4.23%			
	iii) Road Side Drains	L-Km	20.90	3.78%	3.80	18.2%	0.7%
	iv) - Road signs,markings, Km Stone, Safety devices						
	(a) Road signs,markings, Km Stone	L-Km	37.60	0.53%		0.0%	0.0%
	(b) Concrete Crash Barrier/W Beam Crash Barrier in Road work	L-Km	25.96	2.20%		0.0%	0.0%
	v) - Project Facilities						
	(a) Bus bays	No.	12.00	0.03%		0.0%	0.0%
	(c) Rest Area	No.	1.00	0.59%			
	viii) - Protection Work						
	(b) Toe / Retaining Wall	L-Km	2.56	2.60%	0.91	35.5%	0.9%
	x)Miscellaneous						
	(a) Street Lightning	No.	1,672.00	0.54%		0.0%	0.0%
	(b)ATMS, HTMS, Traffic Aid Posts, Medical aid Posts, Vehicle Recue Posts, Telecom System	L-Km	37.60	0.44%		0.0%	0.0%
	(c) Boundary Wall	L-Km	37.51	1.37%		0.0%	0.0%
	(d) Junction	No.	24.00	0.33%		0.0%	0.0%
	(e) Rain Water Harwesting (RWH)	No.	38.00	0.13%		0.0%	0.0%
Grand Total >>>				100.00%			25.813%

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)

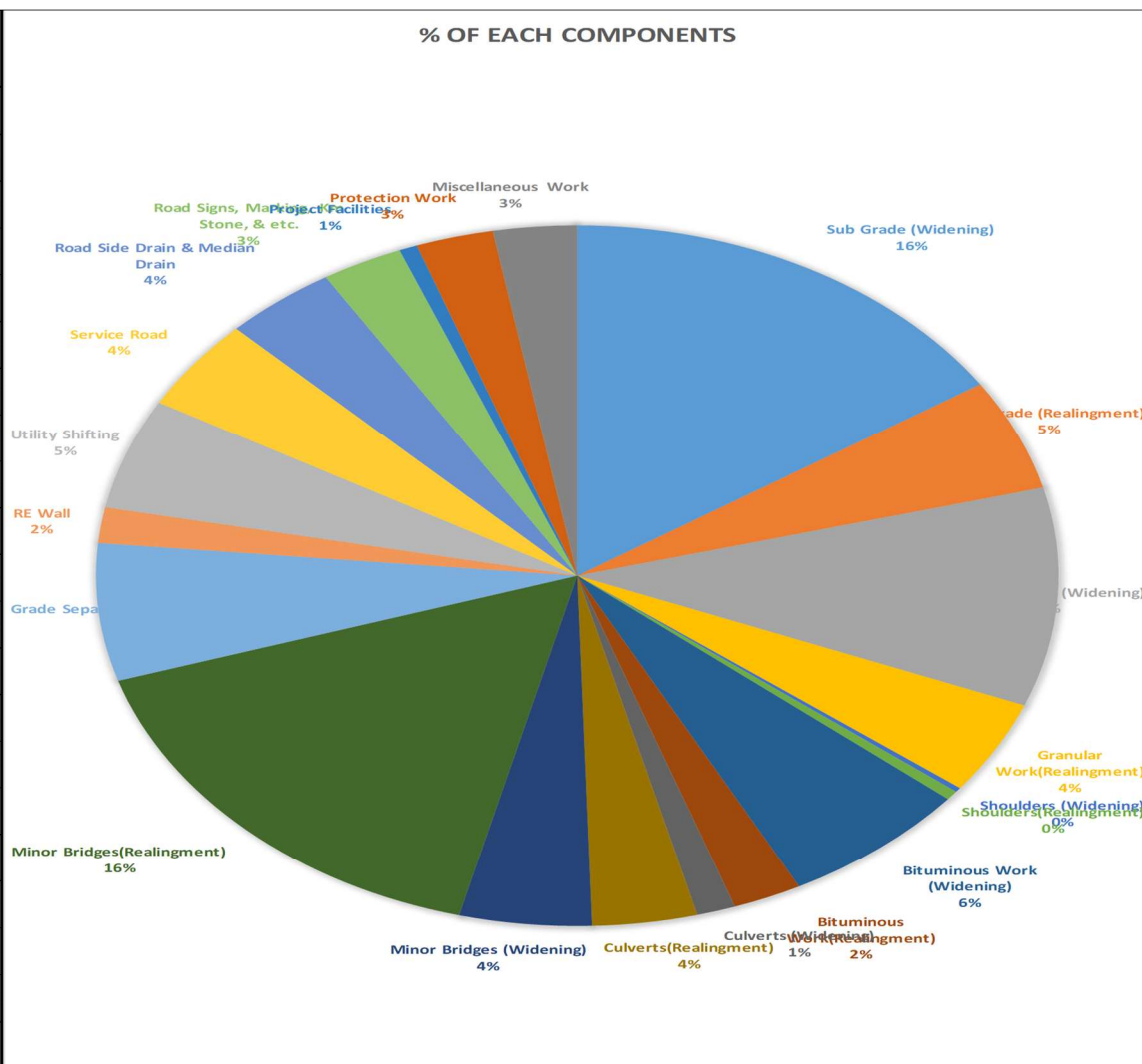
9.2 S Curve



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)

9.3 Weightages

Work Description	% of Each sub components	Amount (Cr.)
Sub Grade (Widening)	15.79%	71,02,49,990.00
Sub Grade (Realingment)	5.16%	23,21,01,960.00
Granular Work (Widening)	10.09%	45,38,58,290.00
Granular Work(Realingment)	4.33%	19,47,67,730.00
Shoulders (Widening)	0.21%	94,46,010.00
Shoulders(Realingment)	0.43%	1,93,41,830.00
Bituminous Work (Widening)	6.37%	28,65,28,970.00
Bituminous Work(Realingment)	2.31%	10,39,06,110.00
Culverts (Widening)	1.30%	5,84,75,300.00
Culverts(Realingment)	3.52%	15,83,33,120.00
Minor Bridges (Widening)	4.44%	19,97,15,640.00
Minor Bridges(Realingment)	16.20%	72,86,92,200.00
Grade Separated Structures	6.34%	28,51,79,540.00
RE Wall	1.64%	7,37,68,840.00
Utility Shifting	5.11%	22,98,52,910.00
Service Road	4.23%	19,02,69,630.00
Road Side Drain & Median Drain	3.78%	17,00,28,180.00
Road Signs, Marking, Km Stone, & etc.	2.73%	12,27,98,130.00
Project Facilities	0.61%	2,74,38,410.00
Protection Work	2.60%	11,69,50,600.00
Miscellaneous Work	2.81%	12,63,96,610.00



9.4 Highway Progress:

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[illegible]

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)									
LHS	BC								
	DBM								
RHS	AIL								
	WMM								
LHS	CTS/ GSB								
	Sub-Grade								
RHS	Embankment								
	C&G								
Chainage		93+70	93+72	93+74	93+76	93+78	93+80	93+82	93+84
		93+86	93+88	93+90	93+92	93+94	93+96	93+98	93+100
LHS	BC								
	DBM								
RHS	AIL								
	WMM								
LHS	CTS/ GSB								
	Sub-Grade								
RHS	Embankment								
	C&G								
Chainage		94+70	94+72	94+74	94+76	94+78	94+80	94+82	94+84
		94+86	94+88	94+90	94+92	94+94	94+96	94+98	94+100
LHS	BC								
	DBM								
RHS	AIL								
	WMM								
LHS	CTS/ GSB								
	Sub-Grade								
RHS	Embankment								
	C&G								
Chainage		95+70	95+72	95+74	95+76	95+78	95+80	95+82	95+84
		95+86	95+88	95+90	95+92	95+94	95+96	95+98	95+100
LHS	BC								
	DBM								
RHS	AIL								
	WMM								
LHS	CTS/ GSB								
	Sub-Grade								
RHS	Embankment								
	C&G								
Chainage		96+70	96+72	96+74	96+76	96+78	96+80	96+82	96+84
		96+86	96+88	96+90	96+92	96+94	96+96	96+98	96+100
LHS	BC								
	DBM								
RHS	AIL								
	WMM								
LHS	CTS/ GSB								
	Sub-Grade								
RHS	Embankment								
	C&G								
Chainage		97+70	97+72	97+74	97+76	97+78	97+80	97+82	97+84
		97+86	97+88	97+90	97+92	97+94	97+96	97+98	97+100
LHS	BC								
	DBM								
RHS	AIL								
	WMM								
LHS	CTS/ GSB								
	Sub-Grade								
RHS	Embankment								
	C&G								
Chainage		98+70	98+72	98+74	98+76	98+78	98+80	98+82	98+84
		98+86	98+88	98+90	98+92	98+94	98+96	98+98	98+100
LHS	BC								
	DBM								
RHS	AIL								
	WMM								

RHS	Chainage	LHS						
		BC	DBM	AIL	WMM	CTS/ GSB	Sub-Grade	Embankment
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						
		Sub-Grade						
RHS	Chainage	Embankment						
		C&G						
RHS	Chainage	BC						
		DBM						
RHS	Chainage	AIL						
		WMM						
RHS	Chainage	CTS/ GSB						

RHS		LHS															
Chainage	BC	DBM	AIL	WMM	CTSB/ GSB	Sub-Grade	Embankment	C&G	Chainage	BC	DBM	AIL	WMM	CTSB/ GSB	Sub-Grade	Embankment	C&G
101+710									100+710								
101+720									100+720								
101+730									100+730								
101+740									100+740								
101+750									100+750								
101+760									100+760								
101+770									100+770								
101+780									100+780								
101+790									100+790								
101+800									100+800								
101+810									100+810								
101+820									100+820								
101+830									100+830								
101+840									100+840								
101+850									100+850								
101+860									100+860								
101+870									100+870								
101+880									100+880								
101+890									100+890								
101+900									100+900								
101+910									100+910								
101+920									100+920								
101+930									100+930								
101+940									100+940								
101+950									100+950								
101+960									100+960								
101+970									100+970								
101+980									100+980								
101+990									100+990								
102+000									101+000								
102+010									101+010								
102+020									101+020								
102+030									101+030								
102+040									101+040								
102+050									101+050								
102+060									101+060								
102+070									101+070								
102+080									101+080								
102+090									101+090								
102+100									101+100								
102+110									101+110								
102+120									101+120								

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)

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

RHS	Chainage	LHS							
		BC	DBM	AIL	WMM	CTSB/ GSB	Sub-Grade	Embankment	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								
	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								

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)

9.5 Detailed Structure Work Progress

9.5.1 Status of HPC

SN	LHS							HPC Chainage	RHS						
	H/W Final Lift	H/W-2nd Lift	H/W-1st Lift	H/W-PCC M15	Laying of Pipe	PCC/Granular Bed	Layout & Excavation		Layout & Excavation	PCC/Granular Bed	Laying of Pipe	H/W-PCC M15	H/W-1st Lift	H/W-2nd Lift	H/W Final Lift
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)

9.5.2 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 A2	88+612	A1 A2										
2												A1 A2	89+049	A1 A2										
3												A1 A2	89+847	A1 A2										
4												A1 A2	90+323	A1 A2										
5												A1 A2	90+747	A1 A2										
6												A1 A2	90+970	A1 A2										
7												A1 A2	91+349	A1 A2										
8												A1 A2	91+665	A1 A2										
9												A1 A2	92+047	A1 A2										
10												A1 A2	92+862	A1 A2										
11												A1 A2	93+118	A1 A2										
12												A1 A2	93+354	A1 A2										
13												A1 A2	94+345	A1 A2										
14												A1 A2	94+814	A1 A2										
15												A1 A2	94+925	A1 A2										
16												A1 A2	96+430	A1 A2										
17												A1 A2	96+692	A1 A2										
18												A1 A2	96+951	A1 A2										
19												A1 A2	98+374	A1 A2										
20												A1 A2	98+444	A1 A2										
21												A1 A2	99+443	A1 A2										
22												A1 A2	99+517	A1 A2										
23												A1 A2	99+693	A1 A2										
24												A1 A2	99+895	A1 A2										
25												A1 A2	100+477	A1 A2										
26												A1 A2	100+666	A1 A2										
27												A1 A2	100+864	A1 A2										
28												A1 A2	101+061	A1 A2										
29												A1 A2	101+192	A1 A2										
30												A1 A2	101+383	A1 A2										
31												A1 A2	101+538	A1 A2										
32												A1 A2	101+883	A1 A2										
33												A1 A2	102+969	A1 A2										
34												A1 A2	103+662	A1 A2										
35												A1 A2	103+918	A1 A2										
36												A1 A2	104+744	A1 A2										
37												A1 A2	104+941	A1 A2										
38												A1 A2	105+088	A1 A2										

1	Not Available	
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)

9.5.3 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			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)

9.5.4 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	

9.5.5 Status of LVUP

SN	LHS									LVUP Chainage	RHS										
	Miscellaneous Item	Crash Barrier	Approach Slab	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	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	

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 **31th December 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
2.	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
3.	RCC M-50 (RCC & PSC) (Cement- Dalmia cement)	MKCIL/ASSAM/ PKG-06/579 dt. 24.11.2025	Partially Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/216

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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
5.	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
6.	Haxatron Industry Limited	MKCIL/ASSAM/PKG-06/580 dt. 24.11.2025	Approved	AIPPL-AYOLEEZ/IE/NHIDCL-Karimganj/Pkg-06/215

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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	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 December -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)	556	533	23	25	23	2	581	556	25	5	4	1	20.00	
(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.	231	231	0	24	24	0	255	255	0	6	6	0	25.00	
2.2	Grain size analysis (GSA)	IS : 2720 (P-4)	2 Test's / 3000 Cum.	231	231	0	24	24	0	255	255	0	6	6	0	25.00	
2.3	Liquid limits (LL)	IS : 2720 (P-5)	2 Test's / 3000 Cum.	231	231	0	24	24	0	255	255	0	5	5	0	20.83	
2.4	Plasticity Index (PI)	IS : 2720 (P-5)	2 Test's / 3000 Cum.	231	231	0	24	24	0	255	255	0	5	5	0	20.83	
2.5	Proctor test (MDD & OMC)	IS : 2720 (P-8)	2 Test's / 3000 Cum.	231	231	0	24	24	0	255	255	0	7	7	0	29.17	
2.6	California Bearing Ratio Test (CBR)	IS : 2720 (P-16)	1 Test's / 3000 Cum.	117	117	0	12	12	0	129	129	0	5	5	0	41.67	
2.7	Field Compaction Test (Emb)	IS : 2720 (P-28)	1 Set / 3000 Sqm. (1Set = 10 Pit's)	3378	3286	92	405	394	11	3783	3680	103	150	139	11	37.04	
2.8	Field Compaction Test (Subgrade)	IS : 2720 (P-28)	1 Set / 2000 Sqm. (1Set = 10 Pit's)	795	752	43	141	137	4	936	889	47	40	36	4	28.37	
(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	267	267	0	31	31	0	298	298	0	10	10	0	32.26	
3.2	Flakiness Index (FI)	IS : 2386 (P-1)	1 Test for source / Weekly	35	35	0	5	5	0	40	40	0	1	1	0	20.00	
3.3	Aggregate Impact Value (A.I.V)	IS : 2386 (P-4)	1 Test for source / Weekly	35	35	0	5	5	0	40	40	0	1	1	0	20.00	
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	267	267	0	31	31	0	298	298	0	12	12	0	38.71	
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	267	267	0	31	31	0	298	298	0	9	9	0.0	29.03	
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	32	32	0	5	5	0	37	37	0	1	1	0.0	20.00	
4.5	Moisture correction	IS : 2386 (P-3)	1 Test / Every day's work	267	267	0	31	31	0	298	298	0	12	12	0.0	38.71	

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)

(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	69	69	0	38	38	0	107	107	0	0	0	0	0.00	
5.2	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	103	103	0	65	65	0	168	168	0	0	0	0	0.00	
➤ Grade of Concrete : M-15 PCC																	
5.3	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	45	45	0	15	15	0	60	60	0	0	0	0	0.00	
5.4	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	62	62	0	30	30	0	92	92	0	7	7	0	23.33	
➤ 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	69	69	0	49	49	0	118	118	0	6	6	0	12.24	
5.12	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	115	115	0	102	102	0	217	217	0	35	35	0	34.31	
➤ Grade of Concrete : M-30 RCC																	
5.13	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	259	259	0	90	90	0	349	349	0	30	15	0	33.33	
5.14	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	591	591	0	183	183	0	774	774	0	70	60	0	38.25	
➤ Grade of Concrete : M-35 RCC																	
5.15	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	83	83	0	9	9	0	92	92	0	2	2	0	22.22	
5.16	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	202	202	0	41	41	0	243	243	0	25	25	0	60.98	
➤ 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	127	127	0	24	24	0	151	151	0	6	6	0	25.00	
5.20	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	339	339	0	60	60	0	399	399	0	20	20	0	33.33	
➤ Grade of Concrete : M-40 RCC																	
5.21	for 7 days	IS : 516	As per Frequency MoRT&H Table 1700-09	81	81	0	24	24	0	105	105	0	6	6	0	25.00	
5.22	for 28 days	IS : 516	As per Frequency MoRT&H Table 1700-09	218	218	0	71	71	0	289	289	0	22	22	0	30.99	
➤ 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	5	5	0	5	5	0	2	2	0	40.00	
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	
(VI). Cement tests																	
6.1	Fineness of Cement	IS : 4031 (P-1)	1 Test Every Batch of Cement	48	48	0	8	8	0	56	56	0	4	4	0	50.00	
6.2	Normal Consistency	IS : 4031 (P-4)	1 Test Every Batch of Cement	48	48	0	8	8	0	56	56	0	6	6	0	75.00	
6.3	Initial Setting Time	IS : 4031 (P-5)	1 Test Every Batch of Cement	48	48	0	8	8	0	56	56	0	6	6	0	75.00	
6.4	Final Setting time	IS : 4031 (P-5)	1 Test Every Batch of Cement	48	48	0	8	8	0	56	56	0	6	6	0	75.00	
6.5	Compressive Strength (03 Days)	IS : 516	1 Test Every Batch of Cement	50	50	0	8	8	0	58	58	0	2	2	0	25.00	
6.6	Compressive Strength (07 Days)	IS : 516	1 Test Every Batch of Cement	53	53	0	7	7	0	60	60	0	3	3	0	42.86	
6.7	Compressive Strength (28 Days)	IS : 516	1 Test Every Batch of Cement	49	49	0	6	6	0	55	55	0	4	4	0	66.67	
6.8	Soundness	IS : 4031 (P-3)	1 Test Every Batch of Cement	0	0	0	1	1	0	1	1	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	

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)

(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	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	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	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	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	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	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	0	0.00
8.8	Field Compaction Test (WMM)	IS : 2720 (P-28)	1 Set / 1000 Sqm. (1 Set = 3 Pit's)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(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	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	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	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	0.00
9.5	Combined Flakiness & Elongation (FI & EL)	IS : 2386 (P-1)	1 Test / 350 Cum	0	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	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	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	0.00
9.9	Density of compacted layer	MoRT&H Sec.900	1 Test / 700 Sqm	0	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	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	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	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	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	0.00
(X). Bituminous Concrete (BC)		MoRT&H-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	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	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	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	0.00
10.5	Combined Flakiness & Elongation (FI & EL)	IS : 2386 (P-1)	1 Test / 350 Cum	0	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	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	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	0.00
10.9	Density of Compacted Layer	MoRT&H Sec.900	1 test / 700 Sqm	0	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	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	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	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	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	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	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	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	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	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	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	0.00
11.7	Flash Point	IS : 1209 (IS: 1448 P-69)	As Required	0	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	0
(XII). MODIFIED BITUMEN (PMB 76E-10)																		
12.1	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	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	0	0.00
12.3	Seperation, Difference in Softening Point (0°C)	IS : 15462: 2019	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12.4	Elastic Recovery at 15°C	IS : 15462: 2019	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(XIII). Emulsion (SS-1)																		
13.1	Viscosity @ 25°C	IS : 8887:2004	1 Test Per Lot	0	0	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	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	0	0.00
(XIV). Emulsion (RS-1)																		
14.1	Viscosity @ 50°C	IS : 8887:2004	1 Test Per Lot	0	0	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	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	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)

THIRD PARTY TESTS (NABL ACCREDITED LABORATORY)																
(XV). Coarse Aggregates																
15.1	Gradation	IS : 2386 (P-1)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.2	FI & EI	IS : 2386 (P-1)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.3	Aggregate Impact Value	IS : 2386 (P-4)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.4	Specific Gravity	IS : 2386 (P-3)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.5	Water Absorption	IS : 2386 (P-3)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.6	Deleterious Content	IS : 2386 (P-1)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.7	L.A.V.	IS : 2386 (P-4)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.8	Alkali Aggregate Reactivity	IS : 2386 (P-7)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.9	Soundness	IS : 2386(P-5)	1 Test / Source	3	3	0	0	0	0	3	3	0	0	0	0	0.00
15.10	Petrographic Examination	IS : 2386 (P-8)	1 Test / Source	4	4	0	0	0	0	4	4	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	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.2	Specific Gravity	IS : 2386 (P-3)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.3	Water Absorption	IS : 2386 (P-3)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.4	Deleterious Content	IS : 2386 (P-1)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.5	Silt Content	IS : 2386 (P-4)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.6	Alkali Aggregate Reactivity	IS : 2386 (P-7)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.7	Soundness	IS : 2386(P-5)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.8	Organic Impurities	IS : 2386 (P-8)	1 Test / Source	4	4	0	0	0	0	4	4	0	0	0	0	0.00
16.9	Fineness Modulus	IS : 383	1 Test / Source	4	4	0	0	0	0	4	4	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	3	3	0	0	0	0	3	3	0	0	0	0	0.00
26.2	SBC Test (by PLT)	IS : 1888-2021	As per Source 1 Test/ As Required	9	9	0	0	0	0	9	9	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)

**CHAPTER-11
CORRESPONDENCE**

11.1 Outward Letter

Sr.no.	Letter no.	Date	Subject	To
1	MKCIL/ASSAM/PKG-06/596	03.12.2025	Submission of Detailed Cost Estimate along with design and drawing of Service Road / Slip Road under Article 16 (COS).	TL (AIPPL)
2	MKCIL/ASSAM/PKG-06/598	04.12.2025	Reminder for Confirmation and Constitution of DRB Member from NHIDCL.	GM (NHIDCL)
3	MKCIL/ASSAM/PKG-06/600	05.12.2025	Submission of Monthly Progress Report for the month of November-2025.	TL (AIPPL)
4	MKCIL/ASSAM/PKG-06/603	06.12.2025	Regarding Submission of Compliances for chainage-wise details of Level Difference, Cutting & Filling Quantity of Approved and to-be-Approved Plan & Profile, and Verification of FRL	TL (AIPPL)
5	MKCIL/ASSAM/PKG-06/606	08.12.2025	Regarding repairing of damaged PHE Water Pipelines and protection at utilities during execution.	TL (AIPPL)
6	MKCIL/ASSAM/PKG-06/607	08.12.2025	Request to Consider Reconstruction of Existing Box-Culvert as Change of Scope under Article 16.”	TL (AIPPL)
7	MKCIL/ASSAM/PKG-06/608	08.12.2025	Compliance to observations on the submitted COS of AUP at Ch. 104+450.	TL (AIPPL)
8	MKCIL/ASSAM/PKG-06/611	11.12.2025	Compliance Submission of Observations on Pipe Culvert Drawing at Ch. 97+271 & 97+381.	TL (AIPPL)
9	MKCIL/ASSAM/PKG-06/614	13.12.2025	Resubmission of Detailed Cost Estimate of Service Road / Slip Road under Article 16 (COS).	TL (AIPPL)
10	MKCIL/ASSAM/PKG-06/617	15.12.2025	"Notification of Force majeure event under clause 28.5 of Concession Agreement regarding hindrance to project work due to closure of Gammon Bridge on NH-6."	TL (AIPPL)
11	MKCIL/ASSAM/PKG-06/619	16.12.2025	Regarding Submission of Typical Design and Drawing for U-Wall of Box Culvert - 1x2x2m.	TL (AIPPL)
12	MKCIL/ASSAM/PKG-06/620	16.12.2025	Regarding Submission of Design and Drawing for Minor Bridge at Ch. 92+714.	TL (AIPPL)
13	MKCIL/ASSAM/PKG-06/623	17.12.2025	Regarding Submission of Revised Design & Drawing for Widening Box Culvert at Ch. 99+447 & 99+517.	TL (AIPPL)
14	MKCIL/ASSAM/PKG-06/625	18.12.2025	Submission of Compliance and Clarifications on Observations in MPR (November 2025).	TL (AIPPL)
15	MKCIL/ASSAM/PKG-06/626	18.12.2025	Request for Review and Finalization of Locations of Additional Box Culvert.	TL (AIPPL)
16	MKCIL/ASSAM/PKG-06/629	19.12.2025	Regarding Reconstruction of Minor Bridges at Ch. 98 + 267 and 99+247 under Article 16 of Concession Agreement.	TL (AIPPL)

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)

17	MKCIL/ASSAM/PKG-06/631	20.12.2025	Regarding Submission of Mix Design of Granular Sub-Base (Garding-V).	TL (AIPPL)
18	MKCIL/ASSAM/PKG-06/633	21.12.2025	Regarding Submission of CBR Report.	TL (AIPPL)
19	MKCIL/ASSAM/PKG-06/637	22.12.2025	Regarding Compliance of Observations on submitted COS for AUP at Ch. 104+450.	TL (AIPPL)
20	MKCIL/ASSAM/PKG-06/638	22.12.2025	Regarding Submission of Updated Chainage wise Level Difference, Cutting & Filling Quantity.	TL (AIPPL)
21	MKCIL/ASSAM/PKG-06/639	22.12.2025	"Regarding Submission of Profile & Credential of Shyam Metalics for Source Approval."	TL (AIPPL)
22	MKCIL/ASSAM/PKG-06/642	24.12.2025	"Reminder: Non-Availability of Complete and Encumbrance-Free Right of Way (ROW) - Reg."	TL (AIPPL)
23	MKCIL/ASSAM/PKG-06/645	25.12.2025	Submission of Payment Milestone -III (3rd)	TL (AIPPL)
24	MKCIL/ASSAM/PKG-06/648	29.12.2025	Regarding Submission of Revised Design & Drawing for Box Culvert at Ch. 101+064.	TL (AIPPL)
25	MKCIL/ASSAM/PKG-06/651	30.12.2025	Reimbursement of 50% of IE Expenses - Reg.”.	RO (Guwahati)

11.2. Inward Letter AIPPL and NHIDCL

Sr.no.	Letter no.	Date	Subject	From
1	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/218	01.12.2025	Technical Observations on COS Detailed Cost Estimate Submitted for AUP at Ch.104+450- Request for Revised Submission.	AIPPL-AYOLEEZA (JV)
2	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/219	02.12.2025	Submission of Repair & Rehabilitation Proposal for Existing Box Culvert at Ch. Km 101+061 as per Provisions of Concession Agreement.	AIPPL-AYOLEEZA (JV)
3	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/220	04.12.2025	Submission of details required for Plan & Profile, ROW Calculation and Embankment Height in connection with the proposal of Retaining Wall under Article 16.	AIPPL-AYOLEEZA (JV)
4	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/221	04.12.2025	Submission of required Technical Details w.r.t proposal for Settlement of existing Minor Bridges and COS consideration for Construction of New Bridges at Ch. 98+267 & Ch. 99+247.	AIPPL-AYOLEEZA (JV)
5	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/222	04.12.2025	Submission of details required for Plan & Profile, ROW Calculation and Embankment Height in connection with the proposal of Retaining Wall under Article 16.	AIPPL-AYOLEEZA (JV)
6	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/223	04.12.2025	Forwarding of Concessionaire's Proposed Pavement Design Incorporating Geogrid Stabilized Layers – Request for Review and Approval.	AIPPL-AYOLEEZA (JV)
7	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/224	06.12.2025	Regarding Failure of Existing Box Culvert at Ch. Km 101+061.	AIPPL-AYOLEEZA (JV)
8	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/225	06.12.2025	Submission of Weekly Progress Report.	AIPPL-AYOLEEZA (JV)

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(Chandkhira) to km. 106.500 (Churaibari) in the state of Assam on HAM mode. Package-VI
(Length=18.80 km)**

9	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/226	12.12.2025	Submission of Compliances regarding Chainage-wise Level Difference, Cutting & Filling Quantity and Verification of FRL - Observation & Resubmission Required	AIPPL-AYOLEEZA (JV)
10	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/227	12.12.2025	Technical Review Comments on Revised COS (R1) Submitted for AUP at Ch.104+450 - Further Clarification Required.	AIPPL-AYOLEEZA (JV)
11	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/228	12.12.2025	Observation on Submitted COS for Service Road / Slip Road – Reg. Technical Clarification & Resubmission Required.	AIPPL-AYOLEEZA (JV)
12	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/229	12.12.2025	Recommendation for Construction of New Bridges at Ch. 98+267 & Ch. 99+247.	AIPPL-AYOLEEZA (JV)
13	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/230	12.12.2025	Regarding Failure of Existing Box Culvert at Ch. Km 101+061.	AIPPL-AYOLEEZA (JV)
14	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/233	13.12.2025	Submission of Weekly Progress Report.	AIPPL-AYOLEEZA (JV)
15	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/234	13.12.2025	Proposal of Retaining Wall Under Article 16-Reg.	AIPPL-AYOLEEZA (JV)
16	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/235	15.12.2025	Review & Comments of Independent Engineer Regarding Submission of Monthly Progress Report for the month of November 2025.	AIPPL-AYOLEEZA (JV)
17	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/236	15.12.2025	Regarding Monthly Progress Report for the Month of November 2025.	AIPPL-AYOLEEZA (JV)
18	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/237	17.12.2025	"Regarding Compliance Submission of Observations on Hume Pipe Culvert Drawing at Ch. 97+271 & Ch.97+381."	AIPPL-AYOLEEZA (JV)
19	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/238	17.12.2025	Repeated Breakdown of Concrete Batching Plant & Boom Placer - Non-Compliance of MoRT&H Section 106(j).	AIPPL-AYOLEEZA (JV)
20	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/239	17.12.2025	Forwarding of Concessionaire's Proposed Pavement Design Incorporating Geogrid Stabilized Layers – Request for Review and Approval.	AIPPL-AYOLEEZA (JV)
21	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/240	18.12.2025	Compliance of FRL with Volume-III Provisions – Service Road & Slip Road.	AIPPL-AYOLEEZA (JV)
22	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/241	19.12.2025	Joint site visit for Finalization of Locations of Additional Box Culverts & Hume Pipe Culverts as per CA.	AIPPL-AYOLEEZA (JV)
23	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/242	19.12.2025	Deviation from Approved Foundation Type - Submission of Open Foundation Drawings instead of Pile Foundation.	AIPPL-AYOLEEZA (JV)
24	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/243	19.12.2025	NCR No.01/2025 Non-Compliance with Approved Concrete Mix Design- Variations in Concrete Admixtures.	AIPPL-AYOLEEZA (JV)
25	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/244	20.12.2025	Submission of Weekly Progress Report.	AIPPL-AYOLEEZA (JV)
26	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/245	20.12.2025	Regarding Third-Party Laboratory Testing of Geogrids Proposed for Use in RE Block.	AIPPL-AYOLEEZA (JV)
27	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/246	20.12.2025	Review of Approved Designs & Drawings of MNB at Ch. 87+787 (1×25) and Ch. 89+593 (1×20).	AIPPL-AYOLEEZA (JV)
28	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/247	21.12.2025	Forwarding of Concessionaire's Proposed Pavement Design Incorporating Geogrid Stabilized Layers – Request for Review and Approval.	AIPPL-AYOLEEZA (JV)

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)

29	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/248	22.12.2025	Regarding Submission of Mix Design of Granular Sub-Base (Grading-V).	AIPPL-AYOLEEZA (JV)
30	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/249	22.12.2025	Use of Unapproved Brand of Steel Reinforcement TMT bar.	AIPPL-AYOLEEZA (JV)
31	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/250	23.12.2025	Unauthorized Dumping and Laying of GSB Material before Approval of Pavement Design - reg.	AIPPL-AYOLEEZA (JV)
32	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/251	23.12.2025	Submission of Third-Party Geological / Geotechnical Investigation Reports for All Structures.	AIPPL-AYOLEEZA (JV)
33	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/252	24.12.2025	Conduct of Trial Patch for DBM/BC - Compliance to MoRTH Clause 505.3.5	AIPPL-AYOLEEZA (JV)
34	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/253	24.12.2025	Regarding Submission of Profile and Credentials for Approval - "Shyam Metalics" TMT Bar for source approval.	AIPPL-AYOLEEZA (JV)
35	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/254	26.12.2025	Technical Review of Pavement Design for Service/Slip Roads and Clarification on COS Proposal – regarding.	AIPPL-AYOLEEZA (JV)
36	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/255	26.12.2025	Payment during Construction period on Achievement of Payment Milestone-III (Third).	AIPPL-AYOLEEZA (JV)
37	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/256	27.12.2025	Recommendation for Construction of New Bridges at Ch. 98+267 & Ch. 99+247.	AIPPL-AYOLEEZA (JV)
38	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/257	27.12.2025	Submission of Weekly Progress Report.	AIPPL-AYOLEEZA (JV)
39	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/258	30.12.2025	Recommendation of Revised Cost Estimate (COS – R2) Submitted for AUP at Ch. 104+450.	AIPPL-AYOLEEZA (JV)
40	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/259	30.12.2025	Submission of Revised Plan & Profile as per Concession Agreement.	AIPPL-AYOLEEZA (JV)
41	AIPPL-AYOLEEZA/IE/NHIDCL/K arimganj/PKG-06/260	30.12.2025	Regarding Third-Party Factory Inspection of M/s Shyam Metalics and Energy Ltd. (SELTIGER Brand) before Source Approval.	AIPPL-AYOLEEZA (JV)

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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-06/617	15.12.2025	"Notification of Force majeure event under clause 28.5 of Concession Agreement regarding hindrance to project work due to closure of Gammon Bridge on NH-6."	TL (AIPPL)

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)

CHAPTER-13
NON-CONFORMANCE REPORT

NIL

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)

**CHAPTER-14
WEATHER REPORT**

Sl no.	Date	Temperature (In °c)		Humidity (In %)		Rainfall (mm)	Weather Condition	Remarks
		Minimum	Maximum	Minimum	Maximum			
1	01-12-2025	23.2	24.8	73.0	80.0	0.0	Cloudy	
2	02-12-2025	23.9	25.7	75.0	78.0	0.0	Cloudy	
3	03-12-2025	22.8	25.9	74.0	81.0	0.0	Cloudy	
4	04-12-2025	22.1	24.3	75.0	83.0	0.0	Cloudy	
5	05-12-2025	23.7	25.1	76.0	81.0	0.0	Sunny	
6	06-12-2025	23.1	26.0	72.0	78.0	0.0	Sunny	
7	07-12-2025	22.4	25.8	71.0	78.0	0.0	Sunny	
8	08-12-2025	23.1	25.7	72.0	79.0	0.0	Sunny	
9	09-12-2025	22	24.6	70.0	78.0	0.0	Sunny	
10	10-12-2025	20.7	24.8	72.0	80.0	0.0	Sunny	
11	11-12-2025	23.4	25.1	70.0	78.0	0.0	Sunny	
12	12-12-2025	22.9	24.8	71.0	81.0	0.0	Sunny	
13	13-12-2025	20.8	25.2	70.0	83.0	0.0	Sunny	
14	14-12-2025	22	25.6	71.0	78.0	0.0	Sunny	
15	15-12-2025	22.4	25.8	71.0	82.0	0.0	Sunny	
16	16-12-2025	22.8	24.9	72.0	77.0	0.0	Sunny	
17	17-12-2025	20.6	25.9	71.0	80.0	0.0	Sunny	
18	18-12-2025	22.6	24.6	73.0	78.0	0.0	Sunny	
19	19-12-2025	22.9	25.4	72.0	80.0	0.0	Sunny	
20	20-12-2025	20.4	26.1	71.0	79.0	0.0	Sunny	
21	21-12-2025	19.8	27.0	70.0	77.0	0.0	Sunny	
22	22-12-2025	17.9	26.7	73.0	81.0	0.0	Sunny	
23	23-12-2025	16.8	25.8	70.0	82.0	0.0	Sunny	
24	24-12-2025	18.3	24.5	75.0	80.0	0.0	Sunny	
25	25-12-2025	16.8	26.1	74.0	81.0	0.0	Sunny	
26	26-12-2025	17.1	25.8	72.0	80.0	0.0	Sunny	
27	27-12-2025	18.3	26.1	72.0	79.0	0.0	Sunny	
28	28-12-2025	16.6	25.7	73.0	80.0	0.0	Sunny	
29	29-12-2025	17.8	24.9	70.0	81.0	0.0	Sunny	
30	30-12-2025	18.0	24.5	71.0	78.0	0.0	Sunny	
31	31-12-2025	17.8	24.7	72.0	81.0	0.0	Sunny	

Rainfall Data					
SN	Description	Total Rainfall(mm)	Up to previous month(mm)	This month(mm)	Remark
1	Rainfall	4429.9	4429.9	0.00	

The maximum & minimum weather records are summarized below:

TEMPERATURE/ RAINFALL PERIOD: 1 st December, 2025 to 31 st December, 2025				
Temperature		Rainfall		
Maximum (in ° C)	Minimum (in ° C)	Maximum (in mm)	Minimum (in mm)	Total Days
27.0	16.6	0.00	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)

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.

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)

CHAPTER-17



Service Road GSB work at chainage-88+870 RHS



Sub-Grade top at chainage-101+860 to 101+930 LHS MCW

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)



Drain Excavation Work in Progress



Kanikhai F.v., Assam, India 🇮🇳
F8m9+3vx, Nh 8, Kanikhai F.v., Assam 788726, India
Lat 24.484072° Long 92.318595°
Friday, 19/12/2025 09:37 AM GMT +05:30

Drain Slab at Ch-97+212

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)



Wall 2nd Lift casting for MNB at Ch-95+595 RHS



Bracket work at 97+000 VUP