

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

Monthly Progress Report

November - 2025



Authority	 NAIDCL BUILDING INFRASTRUCTURE - BUILDING THE NATION	National Highways Infrastructure Development Corporation Limited
Independent Engineer	 AGNITIO	M/s Agnitio Infrastructure Projects Pvt. Ltd. in JV with M/s Ayoleeza Consultants Pvt. Ltd.
Concessionaire	 MKC Since-1963	MKC Badarpur Churaibari Kamakhya (PKG-4) Highways Pvt. Ltd.

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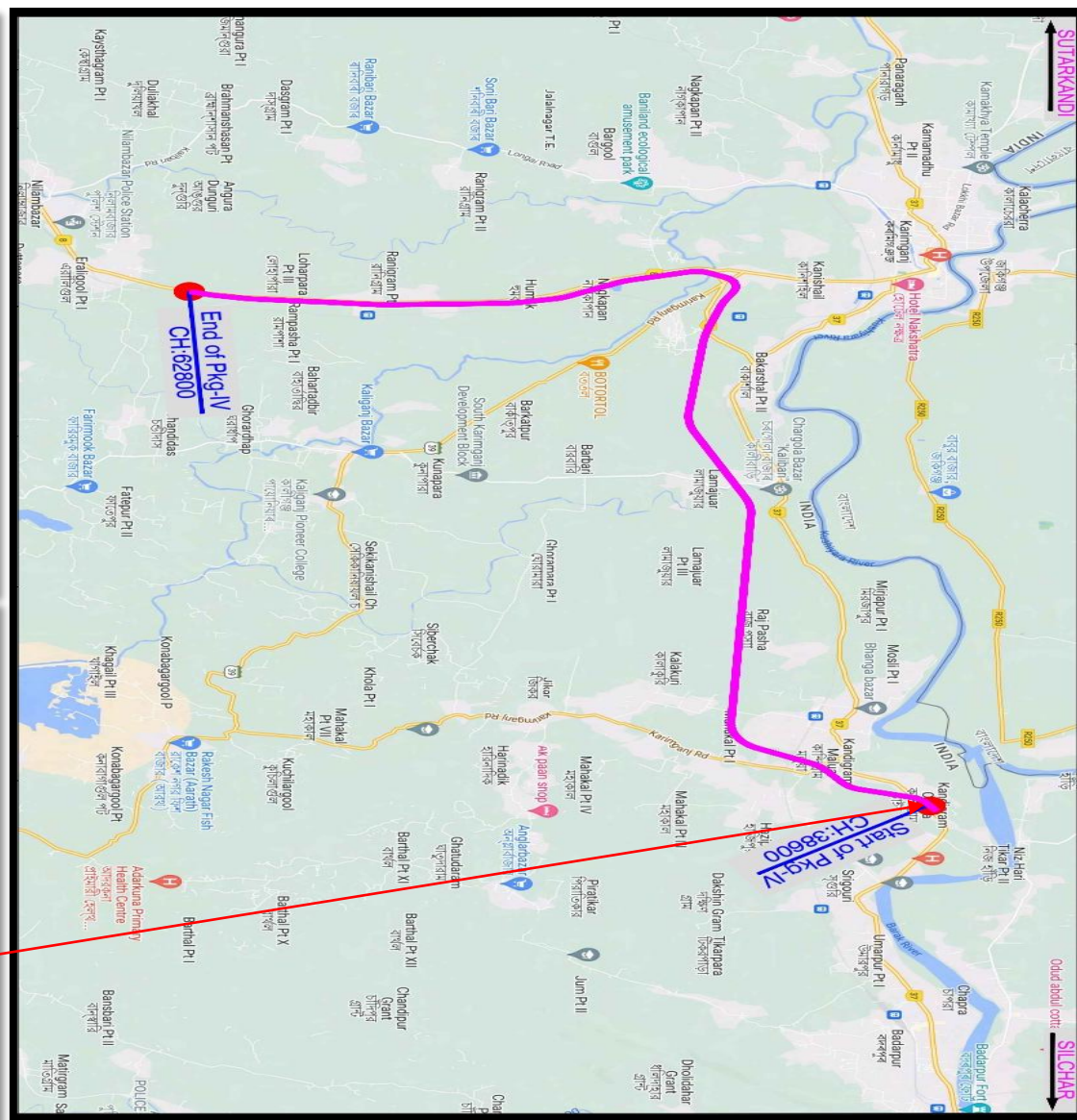
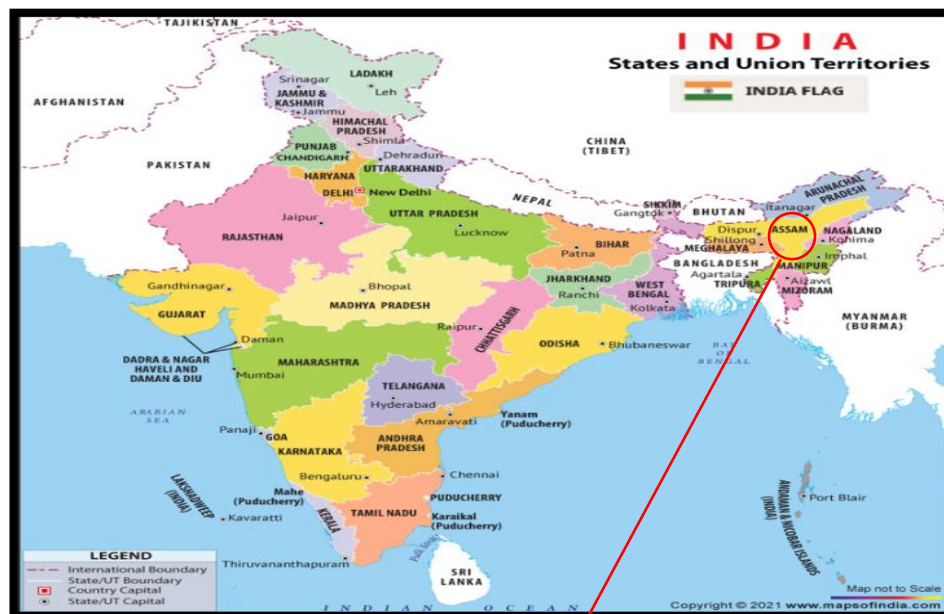
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PROJECT LOCATION MAP / INDEX MAP



Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

EXECUTIVE SUMMARY

The Concessionaire has signed the Concession Agreement with National Highway Infrastructure Development Corporation Limited (NHIDCL) on dated September 17, 2024. This Executive Summary presents the works progress of the Project Highway during the construction period from August 18, 2025 to August 18, 2027.

1. The Project Road:

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2. Mobilization:

The Concessionaire has mobilized the required Engineers/ Staff Personnel, Machineries/Equipment's, Plants and established main Base Camp at CH: - 55+200 RHS (Sharifnagar).

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. Design and Drawing

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

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-04/363, dated 29.11.2025 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-04/167 on dated 05.08.2025. 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

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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 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 August 18, 2025, the Scheduled completion Date shall occur on August 18, 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.

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

Procurement of ROW- The existing ROW and the stretches of 24.20 km. are subjected to following:

a) Stretches/ Hindered Free Land 19.50 Km out of 24.20 Km:

Stretches/ Hindered Free Land				Encumbrances/ Hindered Land		
Sr. No.	Side	Length (Km)	%	Side	Length (Km)	%
1.	BHS	19.50	80.58%	BHS	4.700	19.42%

b) Hindered due to Tree Cutting:

Description	Total Nos.	Impacted Length (km)	Remarks
Total Trees	648	7.0	

c) Encumbrances due to Religious Structure:

Sr. No.	Types	Chainage	Side	Village	Remarks
1	Tree Tample	40+000	RHS	Kankalesh Part-I	
2	Masjid	50+800	RHS	Nathupur Part-I	
3	Danpra (masjid)	55+200	RHS	Saidambor Part-I	
4	Sani Mandir (ROW)	56+200	LHS	Saidambor Part-II	

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5	Danptra (Kali Mandir)	56+550	LHS	Saidambor Part-II	
6	Kali Mandir	56+800	RHS	Saidambor Part-II	
7	Kali Mandir	57+800	RHS	Umarpur Part-I	
8	Sahid Smark	58+875	LHS	Umarpur Part-II	
9	Sani mandir & Pipal	58+975	RHS	Umarpur Part-II	
10	Kali Mandir	59+750	RHS	Umarpur Part-III	
11	Satsang bhawan	60+030	RHS	Umarpur Part-III	
12	Hajrat ali Masjid	61+800	RHS	Berajal	
13	Kali Mandir	62+800	LHS	Bhuja	

d) Details of Hidered Land:

DETAILS OF ENCUMBRANCES WITHIN ROW					
Sr. No	Chainage		Side	Total Length (KM)	Description
	From	To			
1	39+950	40+200	BHS	250.000	Residencial & Boundary Wall
2	40+550	40+650	BHS	100.000	Building and other Zirats
3	41+400	41+700	RHS	300.000	House and Boundary Wall
4	43+000	43+200	BHS	200.000	Pond/ shades
5	48+350	48+900	BHS	550.000	Residential Building
6	50+800	50+850	RHS	50.000	Residential Building
7	52+920	53+000	BHS	80.000	Office Building
8	53+700	53+900	RHS	200.000	Assam Type House
9	54+360	54+400	RHS	40.000	Assam Type House/ Tin Shade
10	54+700	55+100	LHS	400.000	Assam Type House/RCC Building
11	55+000	55+050	LHS	50.000	Assam Type House/RCC Building
12	55+220	55+270	BHS	50.000	Assam Type House/RCC Building
13	55+540	55+580	RHS	40.000	Assam Type House/RCC Building
14	55+670	55+700	RHS	30.000	Assam Type House/RCC Building
15	56+120	56+200	BHS	80.000	Assam Type House/RCC Building
16	56+510	56+550	BHS	40.000	Assam Type House/RCC Building
17	56+800	56+900	RHS	100.000	Assam Type House/RCC Building
18	57+100	57+130	BHS	30.000	Assam Type House/RCC Building
19	57+600	57+660	RHS	60.000	Assam Type House/RCC Building
20	57+800	58+000	BHS	200.000	Assam Type House/RCC Building
21	58+030	58+080	BHS	50.000	Assam Type House/RCC Building
22	58+950	59+100	BHS	150.000	Assam Type House/RCC Building
23	59+400	60+250	BHS	850.000	Assam Type House/RCC Building
24	60+300	60+550	RHS	250.000	Assam Type House/RCC Building
25	60+580	60+610	RHS	30.000	Assam Type House/RCC Building
26	60+780	60+880	RHS	100.000	Assam Type House/RCC Building

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27	60+980	61+000	RHS	20.000	Assam Type House/RCC Building
28	61+400	61+550	RHS	150.000	Assam Type House/RCC Building
29	61+780	61+810	RHS	30.000	Assam Type House/RCC Building
30	62+030	62+060	RHS	30.000	Assam Type House/RCC Building
31	62+080	62+110	RHS	30.000	Assam Type House/RCC Building
32	62+250	62+400	RHS	150.000	Assam Type House/RCC Building
33	62+500	62+560	RHS	60.000	Assam Type House/RCC Building
52	57+800	58+000	BHS	200.000	Assam Type House/RCC Building
53	58+030	58+080	BHS	50.000	Assam Type House/RCC Building
54	58+950	59+100	BHS	150.000	Assam Type House/RCC Building
55	59+400	60+250	BHS	850.000	Assam Type House/RCC Building
56	60+300	60+550	RHS	125.000	Assam Type House/RCC Building
57	60+580	60+610	RHS	15.000	Assam Type House/RCC Building
58	60+780	60+880	RHS	50.000	Assam Type House/RCC Building
59	60+980	61+000	RHS	10.000	Assam Type House/RCC Building
60	61+400	61+550	RHS	75.000	Assam Type House/RCC Building
61	61+780	61+810	RHS	15.000	Assam Type House/RCC Building
62	62+030	62+060	RHS	15.000	Assam Type House/RCC Building
63	62+080	62+110	RHS	15.000	Assam Type House/RCC Building
64	62+250	62+400	RHS	75.000	Assam Type House/RCC Building
65	62+500	62+560	RHS	30.000	Assam Type House/RCC Building
Total Hindered Length				4700.00	

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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) **Water logging in PROW :-** Due to heavy rainfall, water has accumulated along almost the entire length of the project within the ROW, which has hampered construction activities.
- b) **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.
- c) **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 80.58% of the land is currently free from encumbrances(refer the Concessionaire's letter no. MKCIL/ASSAM/PKG-04/358 dated 28.11.2025)
- d) .

As per Joint Handover Memorandum (Appendix-I) dated 18.08.2025

SUMMARY OF LAND ACQUISITION & CLEARANCES

Sl. No	Total Land Required (in Ha)	Available Land (in Ha)	Remaining Land (In Ha)	% Available Land	Hindrance free length (in Km)	% Available Hindrance free length
1	138.06	113.78	3A- 19.37 Ha 3G- 4.91 Ha	82.41%	19.500 Km	80.58%

Note: The hindrance free length is calculated based on the right of way required against construction zone. M/s MKC Badarpur Churaibari Kamakhya (Pkg-4) Highways Pvt. Ltd. will not claim any damages from the Authority as specified in Cl 4.2 of Concession Agreement for the period delay and time extension in accordance with Cl 4.1.2 of Concession Agreement.

Authorized Representative:

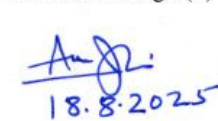


M/s MKC Badarpur Churaibari Kamakhya (Pkg-4) Highways Pvt. Ltd.

Date: 18/08/25

Place: Karimganj.

General Manager(P)


18.8.2025

PMU-Karimganj
NHIDCL
General Manager (P)
NHIDCL, PMU-Karimganj
Karimganj, Assam

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- e) Existing Road Maintenance:** One time tender flotating decision for maintenance of the existing road is pending by the end of the Authority.

The Concessionaire has submitted its concern regarding the deteriorated condition of the existing road and clarified that it has only a limited scope of work, which includes only pothole repairs. During the meeting held at HQ, NHIDCL, New Delhi under the chairmanship of the MD (NHIDCL), this issue was acknowledged by the Hon'ble MD (NHIDCL), who directed the PMU and RO to float a one-time tender for the maintenance of the existing road.

- f) Non-Permission from PWD Authorities:** - The Concessinaire has submit it concern regaiding the permission for using the PWD rural roads for carrying of forest materials under Bharat Mala Project vide letter no. MKCIL/ASSAM/PKG-04/056 dated 26.02.2025.

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.

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CHAPTER-1

INTRODUCTION

General

The NHIDCL proposes to implement the development, maintenance, and management of National Highway No. 37 & NH-8 stretch from end of Badarpur Bypass to Nilambazar/Cheragi Bypass Km. 38.600 to Km. 62.800 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 / SilcharChuraibari /222542/ 2581 and the agreement was signed on September 1, 2023. The entire project is divided into 5 packages.

This executive summary is submitted along with the Final detailed project report to cover the key aspects of the project.

Project Overview

As described earlier the project road stretch from end of Badarpur Bypass to Nilambazar/Cheragi Bypass. The proposed alignment passes through Karimganj district in the state of Assam connecting villages Kandigram, Sharifnagar, Nagkapan, Ranigram, Loharpara, Etc.

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CHAPTER-2

CONTRACT DATA

Sr. No.	Items	Description
1.	Name of Project	Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.
2.	Project Length	24.200 km
3.	Project Bid Cost	554.16 Cr.
4.	Authority	National Highways & Infrastructure Development Corporation Limited
5.	Independent Engineer	Agnitio Infrastructure Projects Pvt. Ltd. In JV with Ayoleeza Consultant Pvt Ltd.
6.	Concessionaire	MKC Badarpur Churaibari Kamakhya (PKG-4) Highways Private Limited
7.	Design Consultant	MKC Infrastructure Ltd.
8.	DPR Consultant	Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
9.	LOA No. & Date	NHIDCL/Procurement/Assam/2023-24/228965/3085 dated 11.03.2024
10.	Date of Concession Agreement	September 17, 2024
11.	Appointed Date	August 18, 2025
12.	Construction Period	730 days (from Appointed Date) [24-Months]
13.	Schedule Completion Date	August 18, 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 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

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., May 01, 2026)- (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., October 30, 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., April 30, 2027) (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., August 18, 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 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER -3

SALIENT FEATURES OF PROJECT HIGHWAY

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

Section	Design Chainage		Stretch in Km.	Pavement Composition in mm.						
	From	To		Sub-Grade	R-GSB	R-WMM	DBM	BC	DLC	PQC
MCW	38+600	62+800	24.200	500.00	200.00	190.00	50.00	30.00	-	-
				Sub-Grade	GSB	R-WMM	BC	-		
Service Road				500.00	200.00	185.00	30.00	-		

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

Sr. No.	Description		Unit	As per CA	Remarks
1.	Railway over Bridge	New Construction	Nos.	2	
2.	Major Bridge	New Construction	Nos.	2	
3.	Minor Bridge	New Construction	Nos.	10	
		Widening and Retained	Nos.	3	
4.	VUP	New Construction	Nos.	5	
5.	LVUP	New Construction	Nos.	4	
6.	SVUP	New Construction	Nos.	0	
7.	Box Underpass	New Construction	Nos.	7	
8.	Box Culvert	New Construction	Nos.	43	
		Reconstruction	Nos.	0	
9.	Hume Pipe Culvert	New Construction	Nos.	0	
10.	Bus Bay		Nos.	1	
11.	Major Junction		Nos.	3	
12.	Minor Junction		Nos.	7	
	Cross Road		Nos.	30	
13.	W-beam Single faced metal crash barrier		Rmt.	31092	
14.	Drain (covered)		Rmt.	5300	

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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 2- ROB, 2- Major Bridge, 13- Minor Bridge, 16- Underpasses, 43- Culverts.
- Construction of Slip Road of 6.290 Km
- Construction of Service Road of 0.860 Km

4.2 Project Facilities

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

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

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CHAPTER -5

PRE-CONSTRUCTION ACTIVITIES

5.1 Obligations

Obligations of Authority-

Sr. No.	Clause No.	Obligation	Status	Remark/ Reference
1	Clause 4.1.2	Condition Precedent	Not Done	
2	Article 11	Utilities, Associated Roads and Trees		
3	Clause 18.1.2	Safety Consultant	Not Done	
4	Article 21	Appointment of Independent Engineer	Appointed	
5	Clause 10.3	Joint Memorandum	Executed	

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 Licence	Done	
10	Clause 12.1	Quality Assurance Plan	Done	MKCIL/ASSAM/PKG-04/168
11		Construction Methodology	Done	MKCIL/ASSAM/PKG-04/168

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

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	Scope Qty.	Status	Remarks
1.	HT/ LT Lines (including Transformer if any)	Kms	24.20	In Progress	
2.	HT/ LT crossing	Nos.	85	In Progress	
3.	Water Pipelines	Kms	9.07	In Progress	
4.	Water Pipeline Crossing	Nos.	11	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	648	
2.	Total Felling of Trees	14	
3.	Balance Trees	634	

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 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER -6

MOBILIZATION

6.1 Manpower Mobilization of Concessionaire

Sr. No.	Name of Employee	Designation	Department
1	Satish Kumar Pandey	Sr. GM	HQ
2	Manoj Kumar Singh	General Manager	Project
3	Manoj Kumar Das	Project Manager	Project
4	Biraj Hazarika	Project Manager	Project
5	Srinivasarao Avula	Deputy Project Manager	Project
6	Dhirendra Thapa	Asst. Manager	HR/Admin
7	Saurabh Kumar	Sr. Executive	HR/Admin
8	Manoj Kumar Dixit	Executive	HR/Admin
9	Golu Meena	Supervisor (Mess)	HR/Admin
10	Shyam babu Singh	Manager	Liaison
11	Deepak Sharma	Executive	Liaison
12	Satyam Dey	Executive	Liaison
13	Samil Hussain Laskar	Executive	Liaison
14	Jagdish Pandey	Asst. Manager	Billing & Planning
15	Vimlesh Tailor	Sr. Engineer	Billing & Planning
16	Sudheer Kumar	Sr. Engineer	Billing & Planning
17	Ranjan Akash Jha	Sr. Engineer	Billing & Planning
18	Surajit Samanta	Engineer	Billing & Planning
19	Partha Phukan	Asst. Engineer	Billing & Planning
20	Santosh Singh	Dy. Manager	Structure
21	Vageesh Tripathi	Senior Engineer	Structure
22	Ranjan Kumar	Senior Engineer	Structure
23	Brijendra Giri	Senior Engineer	Structure
24	Ajay Kumar	Senior Engineer	Structure
25	Souvik Paul	Engineer	Structure
26	Deepak Chauhan	Engineer	Structure
27	Sujit Kumar Ray	Sr. Supervisor	Structure
28	Ankit Chaurasia	Supervisor	Structure
29	Narayan Kumar	Supervisor	Structure
30	Ankit Solanki	Supervisor	Structure
31	Sai Prakash Maddinani	Manager	Highway
32	Avneesh Kumar Pandey	Dy. Manager	Highway
33	Samarjeet Singh	Engineer	Highway
34	Rishab Pal	Senior Engineer	Highway
35	Tapas Basak	Engineer	Highway
36	Arya Yadav	Engineer	Highway
37	Subhash Kumar	Jr. Engineer	Highway
38	Jay Prakash Singh	Senior Supervisor	Highway
39	Anmol	Supervisor	Highway
40	Md. Mohbub Ahmed	Supervisor	Highway
41	Imrat Ahirwar	Supervisor	Highway
42	Yogendra Rai	Supervisor	Highway
43	Ratan Thakur	Supervisor	Highway
44	Krishna Singh	Supervisor	Highway
45	Chandrakant	Supervisor	Highway
46	Manosh Pritm Laskar	Supervisor	Highway
47	Grithartha Gautam Saikia	Supervisor	Highway
48	Jamil Uddin Tappadar	Supervisor	Highway
49	Ashish Koley	Dy. Manager	Survey

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

50	Jayanta Mallick	Sr. Surveyor	Survey
51	Koushik Rout	Sr. Surveyor	Survey
52	Biswajit Dhara	Sr. Surveyor	Survey
53	Ram Poojan	Surveyor	Survey
54	Amit Singh	Surveyor	Survey
55	Subrata Dinda	Sr. Manager	P & M
56	Ajay kumar	Manager	P & M
57	Amit Bhaduria	Executive	P & M
58	Ramkaran Sahu	Engineer	P & M
59	Deepak Thakur	Executive	P & M
60	Amit Tiwari	Supervisor	P & M
61	Indrajit Majumder	Supervisor	P & M
62	Prabhakar Kumar	Jr. Engineer	P & M
63	Subham Kar	Supervisor	P & M
64	Ajmal Hussain Laskar	Foreman	P & M
65	Srihari.CH	Supervisor	P & M
66	Tama	Supervisor	P & M
67	Surajit Das	Asst. Manager	Store
68	Amit Sikarwar	Sr. Executive	Store
69	Deepak Purty	Jr. Executive	Store
70	Sujeet Sharma	Supervisor	Store
71	Sumanta Datta	Supervisor	Store
72	Milan Samanta	Supervisor	Store
73	Ravi Shankar Tripathi	Sr. Manager	QA/QC
74	Ranjan Kumar	Engineer	QA/QC
75	Sujay De Sarkar	Engineer	QA/QC
76	Ashok Kumar Mondal	Engineer	QA/QC
77	Subham Singh	Asst. Engineer	QA/QC
78	Daya Shankar	Lab Tech.	QA/QC
79	Ramprakash Mishra	Lab Tech.	QA/QC
80	Karan Kumar	Lab Tech.	QA/QC
81	Amit Pathak	Lab Tech.	QA/QC
82	Arun Kumar Mondal	Lab Tech.	QA/QC
83	Ravikhanth Kumar	Lab Tech.	QA/QC
84	Pankaj Baser	Jr. Engineer	Electrical
85	Kapil Sharma	Executive	Accounts

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER-7

DEPLOYMENT OF PLANTS AND EQUIPMENT / PROJECT SET UP PLAN

7.1 Plants and Equipment Deployed

S.no	Equipment type	UNIT	QTY	Remarks
1	LMV	Nos.	10	
2	TIPPER	Nos.	23	
3	MOBILE CRANE	Nos.	01	
4	SOIL COMPACTOR	Nos.	2	
5	EXCAVATOR	Nos.	11	
6	BACK HOE LOADER	Nos.	07	
7	DIESEL DISPENCER	Nos.	02	
8	TRANSIT MIXER	Nos.	2	
9	TRACTOR	Nos.	01	
10	GRADER	Nos.	2	
11	BABY ROLLER	Nos.	0	
12	HM PLANT	Nos.	0	
13	BATCHING PLANT	Nos.	2	30CPH
14	RE BLOCK PLANT	Nos.	0	
15	DG	Nos.	3	25KV
16	TRAILER	Nos.	3	
17	CRUSHER	Nos.	2	Kalain, Karimganj
18	WATER TANKER	Nos.	1	
19	FARANA	Nos	01	
20	LOADER	Nos.	1	
21	JCB	Nos	7	
22	DOZER	Nos	02	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER-8

DESIGN AND DRAWING

The project highway has been designed for four lane divided carriageway facility with provision of central raised median of 1.6m. 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 September-30, 2025, is enclosed in this chapter of the report.

Road Works

S N	Description	Unit	Total	Submitted	Approval	Balance	Remarks
1.	Plan & Profile MCW	Km	24.20	24.20	24.20	0.000	
2.	Plan & Profile Slip Road	Km	6.29	0.00	0.000	0.000	
3.	Typical Cross Section	Nos	1.00	1.00	1.00	0.00	
4.	Pavement Design Report	Nos	1.00	1.00	0.00	1.00	
5.	RE Wall	Sqm.	46480.00	-	-	-	
6.	Major Junction	Nos	3.00	-	-	-	
7.	Minor Junction	Nos	7.00	-	-	-	
8.	Bus Bay Drawing	Nos	1.00	-	-	-	
9.	Road Signage Plan	Km	24.20	-	-	-	
10	Boundry Wall	NOS	01	1.00	1.00	0.00	
11	FSCB	NOS	01	1.00	1.00	0.00	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

Structure Works:-

Structure				
Description	Total Nos	Submitted	Approved	Balance
Box Underpass	7	5	5	0.00
LVUP	4	3	3	0.00
VUP	5	5	4	0.00
MNB	13	13	10	0.00
MJB	2	1	1	0.00
ROB	2	2	2	2.00
Box Culvert	43	40	38	0.00

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER-9

PROJECT WORK PROGRESS

9.1 Work Progress:

9.1.1 Progress Summary

Key reporting metrics	Value/ %/ Amount
Scheduled Physical Progress (%)	5.29%
Cumulative Physical Progress up to current month (%)	0.95%
Physical Progress during current month (%)	0.95%
Financial progress (%)	0.00%
Cumulative Expenditure against Financial till Progress date (Rs Cr)	0.00
Cumulative Expenditure against Physical till Progress date (Rs Cr)	5.26
Test passed as % of total tests witnessed by AE	99.00%
Test passed as % of total tests conducted by AE	99.00%
Number of pending COS proposals	0
Amount for pending COS (Rs Cr)	0

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

9.1.1 Progress With Proposed Sch-G

Project Name	Four Laning of Badarpur – Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of proposed Badarpur Bypass) to Km. 62.800 (Start of proposed Nilambazar/Cheragi Bypass) in the state of Assam (Package-IV)						
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 Badarapur Churaibari Kamakhya Highways Private Limited						
Total Contract Price	5,54,16,00,000						
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/Strtcures (But excluding service road)	B-New 4 Lane Realignment/Bypass						
	(1) Earthwork upto top of Sub-grade	L-Km	46.52	37.14%	1.00	2%	1%
	(2) Granular work (Sub-base, base,shoulder)						
	(a) GSB	L-Km	46.52	6.21%	-	0%	0%
	(b) WMM	L-Km	46.52	4.45%	-	0%	0%
	(3) Shoulders	L-Km	46.52	0.19%	-	0%	0%
	(4) Bituminous Work						
	(a) DBM	L-Km	46.52	2.90%	-	0%	0%
	(b) BC	L-Km	46.52	1.80%	-	0%	0%
	Sub Total-B						
	C- New Culverts, Minor Bridges, underpasses, overpasses on existing road, realignment, bypasses:						
	1) Culverts	No.	86.00	5.20%	1.88	2%	0%
	2) Minor Bridge						
	a) Foundation	No.	39.00	3.02%	-	0%	0%
	b) Sub-Structure	No.	39.00	1.36%	-	0%	0%
	c) Super-Structure (including Crash Barrier etc. Complete) If pre-cast girders/ segments are used, 40% of the weightage of the stage in percentage to the bid project cost is assigned to the casting of such precast girders/ segments						
	c-i) Precast Girder - On Casting (40%)	No.	8.00	0.25%	-	0%	0%
	c-ii) Slab - after Completion of Slab (60%)	No.	31.00	1.09%	-	0%	0%
	5) Grade Separated Structures						
	a) Underpasses						
	i) Foundation	No.	44.00	4.01%	-	0%	0%
	ii) Sub-Structure	No.	44.00	1.11%	-	0%	0%
	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.	12.00	0.47%	-	0%	0%
	iii-b) Slab - after Completion of Slab (60%)	No.	32.00	1.29%	-	0%	0%

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

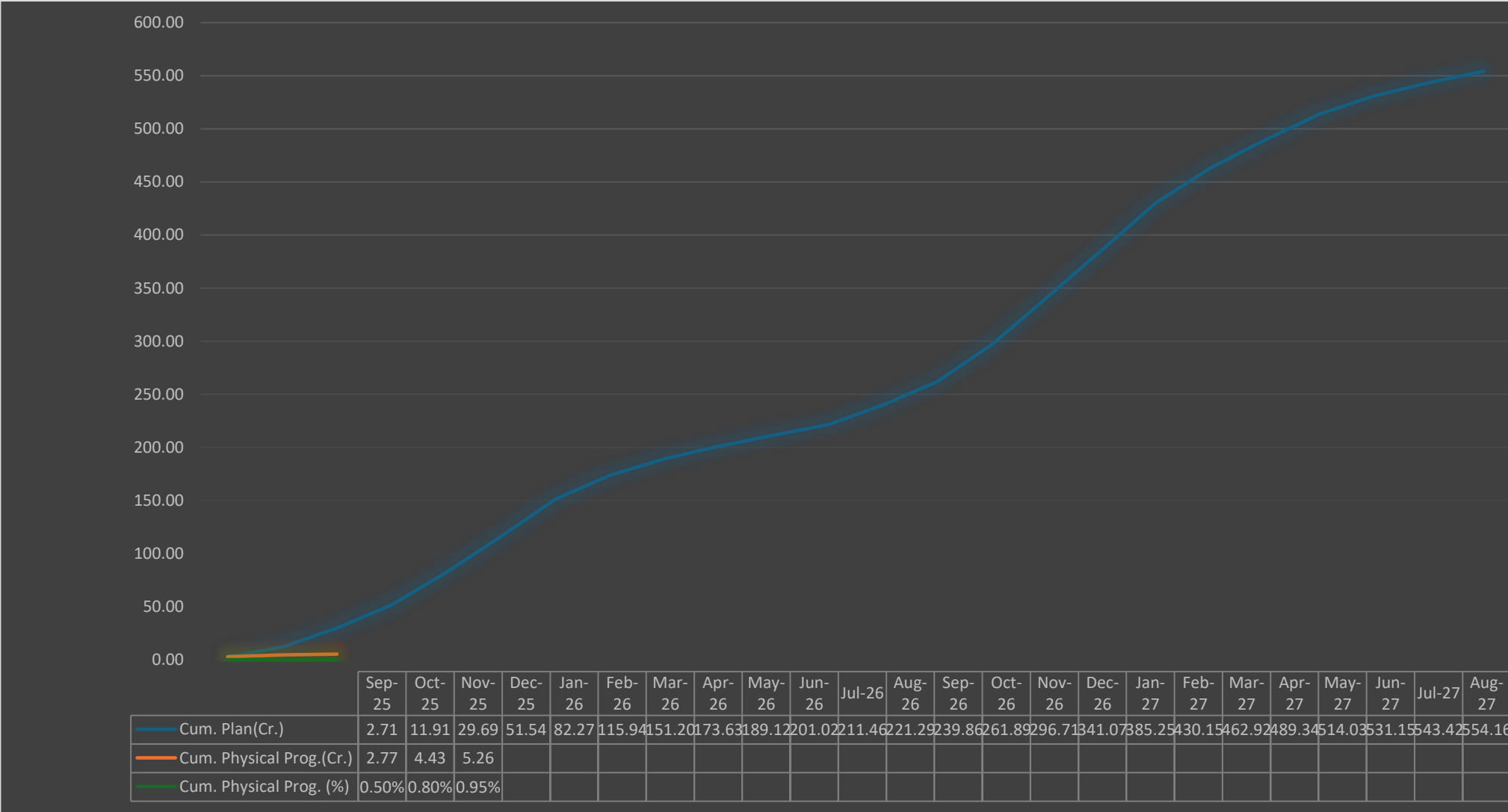
	C- New Major Bridges						
	(1) Foundation						
	(b) Pile Foundation/Well Foundation	No.	14.00	2.63%	-	0%	0%
	(2) Sub-structure	No.	14.00	0.59%	-	0%	0%
Major Bridge works and ROB/RUB	(3) Super-Structure (including Crash Barrier,Wearing coat etc. Complete) If pre-cast girders/ segments are used, 40% of the weightage of the stage in percentage to the bid project cost is assigned to the casting of such precast girders/ segments.						
	3-a) Precast Girder - On Casting (40%)	No.	10.00	0.41%	-	0%	0%
	3-b) Slab - after Completion of Slab (60%)	No.	10.00	0.61%	-	0%	0%
	D- New rail-road bridges						
	(a) ROB						
	(1)Foundation	No.	16.00	3.17%	-	0%	0%
	(2) Sub-structure	No.	16.00	1.44%	-	0%	0%
	(3) 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.						
	3-a) Precast Girder - On Casting (40%)	No.	12.00	1.36%	-	0%	0%
	3-b) Slab - after Completion of Slab (60%)	No.	12.00	2.05%	-	0%	0%
Structures (Elevated Section, Reinforced earth)	4) Reinforced Earth Wall (includes Approaches of ROB, Underpasses, Overpasses, 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 one complete approach						
	i) Re Panel/Blocks Casting (5%)	Sq.m	46,480.00	0.04%	-	0%	0%
	ii) Re Panel/Blocks Erection (95%)	Sq.m	46,480.00	0.80%	-	0%	0%

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

	UTILITY SHIFTING						
Electrical and Public Health Utilities	HT/LT lines (including Transformers if any)	Km	24.20	1.72%	0.60	2%	0%
	HT/LT crossings	No.	85.00	0.65%	-	0%	0%
	Water pipeline	Km	9.07	0.07%	-	0%	0%
	Water pipeline crossings	No.	11.00	0.06%	-	0%	0%
Other Works	MISSCELANEOUS WORKS						
	i) Service Road/ Slip Road	L-Km	7.15	1.59%	-	0%	0%
	ii) Toll Plaza	No	1.00	0.57%	-	0%	0%
	iii) Road Side Drains	L-Km	5.30	0.53%	-	0%	0%
	iv) Road signs,markings, Km Stone, Safety devices						
	(a) Road signs,markings, Km Stone	L-Km	48.40	0.37%	-	0%	0%
	(d) Concrete Crash Barrier/W Beam Crash Barrier in Road work	L-Km	33.674	1.62%	-	0%	0%
	v) Project Facilities						
	(a) Bus bay	No.	2.00	0.05%	-	0%	0%
	(c) Rest Area	No.	2.00	0.41%	-	0%	0%
	v) Protection Work						
	(a) Boulder Pitching on Slopes	L-Km	18.040	1.15%	-	0%	0%
	(b) Toe Wall / Retaining Wall	L-Km	6.51	5.45%	-	0%	0%
	vi) Miscellaneous						
	(a) Boundary Wall	RMT	46,520.00	0.79%	-	0%	0%
	(b) Junctions	No.	45.00	0.46%	-	0%	0%
	(c) Street Lightning	No.	913.00	0.29%	-	0%	0%
	(d) ATMS, HTMS, Traffic Aid Posts, Medical aid Posts, Vehicle Recue Posts, Telecom System	Km	24.20	0.63%	-	0%	0%
	Sub Total-G						
	Grand Total			100.00%			0.954%

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

9.2 S - Curve



Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

9.3 Highway Progress:

RHS	Chainage	BC	DBM	WMM	GSB	Sub-Grade	Embankment	C&G	LHS	Chainage	BC	DBM	WMM	GSB	Sub-Grade	Embankment	C&G
	41+610									41+610							
	41+620									41+620							
	41+630									41+630							
	41+640									41+640							
	41+650									41+650							
	41+660									41+660							
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	41+800									41+800							
	41+810									41+810							
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	41+980									41+980							
	41+990									41+990							
	42+000									42+000							
	42+010									42+010							
	42+020									42+020							
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	42+060									42+060							
	42+070									42+070							
	42+080									42+080							
	42+090									42+090							
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	42+550									42+550							
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	42+570									42+570							
	42+580									42+580							
	42+590									42+590							
	42+600									42+600							

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

RHS			Chainage			LHS		
BC			41+610			BC		
DBM				41+620		DBM		
WMM				41+630		WMM		
GSB				41+640		GSB		
Sub-Grade				41+650		Sub-Grade		
Embankment				41+660		Embankment		
C&G				41+670		C&G		
				41+680				
				41+690				
				41+700				
				41+710				
				41+720				
				41+730				
				41+740				
				41+750				
				41+760				
				41+770				
				41+780				
				41+790				
				41+800				
				41+810				
				41+820				
				41+830				
				41+840				
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				41+860				
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				41+970				
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				42+030				
				42+040				
				42+050				
				42+060				
				42+070				
				42+080				
				42+090				
				42+100				
				42+110				
				42+120				
				42+130				
				42+140				
				42+150				
				42+160				
				42+170				
				42+180				
				42+190				
				42+200				
				42+210				
				42+220				
				42+230				
				42+240				
				42+250				
				42+260				
				42+270				
				42+280				
				42+290				
				42+300				
				42+310				
				42+320				
				42+330				
				42+340				
				42+350				
				42+360				
				42+370				
				42+380				
				42+390				
				42+400				
				42+410				
				42+420				
				42+430				
				42+440				
				42+450				
				42+460				
				42+470				
				42+480				
				42+490				
				42+500				
				42+510				
				42+520				
				42+530				
				42+540				
				42+550				
				42+560				
				42+570				
				42+580				
				42+590				
				42+600				
				42+610				
				42+620				
				42+630				
				42+640				
				42+650				
				42+660				
				42+670				
				42+680				
				42+690				
				42+700				
				42+710				
				42+720				
				42+730				
				42+740				
				42+750				
				42+760				
				42+770				
				42+780				
				42+790				
				42+800				
				42+810				
				42+820				
				42+830				
				42+840				
				42+850				
				42+860				
				42+870				
				42+880				
				42+890				
				42+900				
				42+910				
				42+920				
				42+930				
				42+940				
				42+950				
				42+960				
				42+970				
				42+980				
				42+990				
				43+000				
				43+010				
				43+020				
				43+030				
				43+040				
				43+050				
				43+060				
				43+070				
				43+080				
				43+090				
				43+100				
				43+110				
				43+120				
				43+130				
				43+140				
				43+150				
				43+160				
				43+170				
				43+180				
				43+190				
				43+200				
				43+210				
				43+220				
				43+230				
				43+240				
				43+250				
				43+260				
				43+270				
				43+280				
				43+290				
				43+300				
				43+310				
				43+320				
				43+330				
				43+340				
				43+350				
				43+360				
				43+370				
				43+380				
				43+390				
				43+400				
				43+410				
				43+420				
				43+430				
				43+440				
				43+450				
				43+460				
				43+470				
				43+480				
				43+490				
				43+500				
				43+510				
				43+520				
				43+530				
				43+540				
				43+550				
				43+560				
				43+570				
				43+580				
				43+590				
				43+600				
				43+610				
				43+620				
				43+630				
				43+640				
				43+650				
				43+660				
				43+670				
				43+680				
				43+690				
				43+700				
				43+710				
				43+720				
				43+730				
				43+740				
				43+750				
				43+760				
				43+770				
				43+780				
				43+790				
				43+800				
				43+810				
				43+820				
				43+830				
				43+840				
				43+850				
				43+860				
				43+870				
				43+880				
				43+890				
				43+900				
				43+910				
				43+920				
				43+930				
				43+940				
				43+950				
				43+960				
				43+970				
				43+980				
				43+990				
				44+000				
				44+010				
				44+020				
				44+030				
				44+040				
				44+050				
				44+060				
				44+070				
				44+080				
				44+090				
				44+100				
				44+110				
				44+120				
				44+130				
				44+140				
				44+150				
				44+160				
				44+170				
				44+180				
				44+190				
				44+200				
				44+210				
				44+220		</		

Four Lining of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

		RHS										LHS									
Chainage	C&G	Embankment	Sub-Grade	GSB	WMM	DBM	BC	Box Culvert	MNB	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert	Box Culvert
44+610																					
44+620																					
44+630																					
44+640																					
44+650																					
44+660																					
44+670																					
44+680																					
44+690																					
44+700																					
44+710																					
44+720																					
44+730																					
44+740																					
44+750																					
44+760																					
44+770																					
44+780																					
44+790																					
44+800																					
44+810																					
44+820																					
44+830																					
44+840																					
44+850																					
44+860																					
44+870																					
44+880																					
44+890																					
44+900																					
44+910																					
44+920																					
44+930																					
44+940																					
44+950																					
44+960																					
44+970																					
44+980																					
44+990																					
45+000																					
45+010																					
45+020																					
45+030																					
45+040																					
45+050																					
45+060																					
45+070																					
45+080																					
45+090																					
45+100																					
45+110																					
45+120																					
45+130																					
45+140																					
45+150																					
45+160																					
45+170																					
45+180																					
45+190																					
45+200																					
45+210																					
45+220																					
45+230																					
45+240																					
45+250																					
45+260																					
45+270																					
45+280																					
45+290																					
45+300																					
45+310																					
45+320																					
45+330																					
45+340																					
45+350																					
45+360																					
45+370																					
45+380																					
45+390																					
45+400																					
45+410																					
45+420																					
45+430																					
45+440																					
45+450																					
45+460																					
45+470																					
45+480																					
45+490																					
45+500																					
45+510																					
45+520																					
45+530																					
45+540																					
45+550																					
45+560																					
45+570																					
45+580																					
45+590																					
45+600																					

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

RHS	Chainage	LHS					
		BC	DBM	WMM	GSB	Sub-Grade	Embankment
	47+610						
	47+620						
	47+630						
	47+640						
	47+650						
	47+660						
	47+670						
	47+680						
	47+690						
	47+700						
	47+710						
	47+720						
	47+730						
	47+740						
	47+750						
	47+760						
	47+770						
	47+780						
	47+790						
	47+800						
	47+810						
	47+820						
	47+830						
	47+840						
	47+850						
	47+860						
	47+870						
	47+880						
	47+890						
	47+900						
	47+910						
	47+920						
	47+930						
	47+940						
	47+950						
	47+960						
	47+970						
	47+980						
	47+990						
	48+000						
	48+010						
	48+020						
	48+030						
	48+040						
	48+050						
	48+060						
	48+070						
	48+080						
	48+090						
	48+100						
	48+110						
	48+120						
	48+130						
	48+140						
	48+150						
	48+160						
	48+170						
	48+180						
	48+190						
	48+200						
	48+210						
	48+220						
	48+230						
	48+240						
	48+250						
	48+260						
	48+270						
	48+280						
	48+290						
	48+300						
	48+310						
	48+320						
	48+330						
	48+340						
	48+350						
	48+360						
	48+370						
	48+380						
	48+390						
	48+400						
	48+410						
	48+420						
	48+430						
	48+440						
	48+450						
	48+460						
	48+470						
	48+480						
	48+490						
	48+500						
	48+510						
	48+520						
	48+530						
	48+540						
	48+550						
	48+560						
	48+570						
	48+580						
	48+590						
	48+600						

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

LHS	RHS
BC	C&G
DBM	Embankment
WMM	Sub-Grade
GSB	GSB
Sub-Grade	WMM
Embankment	DBM
C&G	BC
Chainage	C&G
50+610	50+610
50+620	50+620
50+630	50+630
50+640	50+640
50+650	50+650
50+660	50+660
50+670	50+670
50+680	50+680
50+690	Box Culvert
50+700	Box Culvert
50+710	50+710
50+720	50+720
50+730	50+730
50+740	50+740
50+750	50+750
50+760	50+760
50+770	50+770
50+780	50+780
50+790	50+790
50+800	50+800
50+810	50+810
50+820	50+820
50+830	50+830
50+840	50+840
50+850	50+850
50+860	LVUP
50+870	50+870
50+880	50+880
50+890	50+890
50+900	50+900
50+910	50+910
50+920	50+920
50+930	50+930
50+940	50+940
50+950	50+950
50+960	50+960
50+970	50+970
50+980	50+980
50+990	50+990
51+000	51+000
51+010	51+010
51+020	51+020
51+030	51+030
51+040	51+040
51+050	Box Culvert
51+060	51+060
51+070	51+070
51+080	51+080
51+090	51+090
51+100	51+100
51+110	51+110
51+120	51+120
51+130	51+130
51+140	51+140
51+150	51+150
51+160	51+160
51+170	51+170
51+180	51+180
51+190	51+190
51+200	51+200
51+210	51+210
51+220	51+220
51+230	51+230
51+240	51+240
51+250	51+250
51+260	51+260
51+270	51+270
51+280	51+280
51+290	51+290
51+300	Box Culvert
51+310	51+310
51+320	51+320
51+330	51+330
51+340	51+340
51+350	51+350
51+360	51+360
51+370	51+370
51+380	51+380
51+390	51+390
51+400	51+400
51+410	51+410
51+420	51+420
51+430	51+430
51+440	51+440
51+450	51+450
51+460	51+460
51+470	51+470
51+480	51+480
51+490	51+490
51+500	51+500
51+510	51+510
51+520	51+520
51+530	51+530
51+540	51+540
51+550	51+550
51+560	51+560
51+570	51+570
51+580	51+580
51+590	51+590

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

[illegible]

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

[illegible]

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

LHS	BC																					
	DBM																					
	WMM																					
	GSB																					
	Sub-Grade																					
	Embankment																					
	C&G																					
Chainage		62+610	62+620	62+630	62+640	62+650	62+660	62+670	62+680	62+690	62+700	62+710	62+720	62+730	62+740	62+750	62+760	62+770	62+780	62+790	62+800	
RHS	C&G																					
	Embankment																					
	Sub-Grade																					
	GSB																					
	WMM																					
	DBM																					
	BC																					

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

9.5.1 Status of Box Culvert

S/N	LHS												Box Culvert Chainage	RHS											
	Protection Work	Parapet Wall	Top Slab	Top Haunch	Wall Final Lift	Wall 2nd Lift	Wall 1st Lift	Haunch	Raft	PCC/Granular Bed	Layout & Excavation	Abutment		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	38+823	A1 A2											
2												A1 A2	39+194	A1 A2											
3												A1 A2	39+726	A1 A2											
4												A1 A2	40+040	A1 A2											
5												A1 A2	40+240	A1 A2											
6												A1 A2	40+780	A1 A2											
7												A1 A2	41+166	A1 A2											
8												A1 A2	41+300	A1 A2											
9												A1 A2	41+666	A1 A2											
10												A1 A2	41+903	A1 A2											
11												A1 A2	42+300	A1 A2											
12												A1 A2	42+577	A1 A2											
13												A1 A2	43+028	A1 A2											
14												A1 A2	43+165	A1 A2											
15												A1 A2	43+506	A1 A2											
16												A1 A2	43+872	A1 A2											
17												A1 A2	43+959	A1 A2											
18												A1 A2	44+105	A1 A2											
19												A1 A2	44+488	A1 A2											
20												A1 A2	44+670	A1 A2											
21												A1 A2	44+945	A1 A2											
22												A1 A2	45+184	A1 A2											
23												A1 A2	45+340	A1 A2											
24												A1 A2	45+606	A1 A2											
25												A1 A2	45+855	A1 A2											
26												A1 A2	46+195	A1 A2											
27												A1 A2	46+406	A1 A2											
28												A1 A2	46+980	A1 A2											
29												A1 A2	47+211	A1 A2											
30												A1 A2	47+483	A1 A2											
31												A1 A2	47+714	A1 A2											
32												A1 A2	48+232	A1 A2											
33												A1 A2	48+930	A1 A2											
34												A1 A2	49+364	A1 A2											
35												A1 A2	49+635	A1 A2											
36												A1 A2	50+288	A1 A2											
37												A1 A2	50+471	A1 A2											
38												A1 A2	50+700	A1 A2											
39												A1 A2	51+045	A1 A2											
40												A1 A2	51+294	A1 A2											
41												A1 A2	52+130	A1 A2											
42												A1 A2	52+390	A1 A2											
43												A1 A2	53+804	A1 A2											

1	Not Available	
2	In Progress	
3	Completed	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

9.5.2 Status of Minor Bridge

SN	LHS											Minor BridgeChainage															
	Miscellaneous Item	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	Miscellaneous Item	
1												A1	40+344	A1													
												A2		A2													
2												A1	42+120	A1													
												A2		A2													
3												A1	44+798	A1													
												A2		A2													
4												A1	46+572	A1													
												A2		A2													
5												A1	49+807	A1													
												A2		A2													
6												A1	51+988	A1													
												A2		A2													
7												A1	53+067	A1													
												A2		A2													
8												A1	53+200	A1													
												A2		A2													
9												A1	55+742	A1													
												A2		A2													
10												A1	56+998	A1													
												A2		A2													
11												A1	58+103	A1													
												A2		A2													
12												A1	59+732	A1													
												A2		A2													
13												A1	61+029	A1													
												A2		A2													

1	Not Available	
2	In Progress	
3	Completed	

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

9.5.3 Status of Major Bridge

SN	LHS											RHS											
	Miscellaneous Item	Crash Barrier	Approach Slab	Desk Slab	RCC Girder	Dirt Wall	Abutment Cap	Abutment Shaft	Abutment Pile Cap	Abutment Pile	Layout & Excavation	Abutment	Layout & Excavation	Abutment Pile	Abutment Pile Cap	Abutment Shaft	Abutment Cap	Dirt Wall	RCC Girder	Desk Slab	Approach Slab	Crash Barrier	Miscellaneous Item
1												A1	48+557	A1									
												A2		A2									
2												A1	54+460	A1									
												A2		A2									

1	Not Available	
2	In Progress	
3	Completed	

9.5.4 Status of ROB

SN	LHS											RHS												
	Miscellaneous Item	Crash Barrier	Approach Slab	Desk Slab	RCC Girder	Dirt Wall	Abutment Cap	Abutment Shaft	Abutment Pile Cap	Abutment Pile	Layout & Excavation	Abutment	Layout & Excavation	Abutment Pile	Abutment Pile Cap	Abutment Shaft	Abutment Cap	Dirt Wall	RCC Girder	Desk Slab	Approach Slab	Crash Barrier	Miscellaneous Item	
1												A1	40+978	A1										
												A2		A2										
2												A1	53+328	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 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

9.5.5 Status of Underpass

SN	LHS											LVUP 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	39+123	A1										
												A2	Box Underpass	A2										
2												A1	39+360	A1										
												A2	Box Underpass	A2										
3												A1	42+165	A1										
												A2	Box Underpass	A2										
4												A1	43+430	A1										
												A2	Box Underpass	A2										
5												A1	48+695	A1										
												A2	Box Underpass	A2										
6												A1	49+508	A1										
												A2	Box Underpass	A2										
7												A1	51+725	A1										
												A2	Box Underpass	A2										
8												A1	41+468	A1										
												A2	LVUP	A2										
9												A1	42+811	A1										
												A2	LVUP	A2										
10												A1	46+878	A1										
												A2	LVUP	A2										
11												A1	50+858	A1										
												A2	LVUP	A2										
1	Not Available																							
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: -55+200. 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 31 October, 2025 are enclosed.

10.3.1 Soil and Agreegates

The test reports for borrow area earth for available borrow area are approved & test reports for Aggregates are also approved for the available Quarry. Test reports for new borrow area earth are submitted to IE for approval.

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.

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10.3.4 Status of materials source approval & Mix Design

Cement				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Dalmia Cement	MKCIL/ASSAM/PKG-04/192	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/037
2.	Max Cement	MKCIL/ASSAM/PKG-04/199	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/039
3.	Star Cement	MKCIL/ASSAM/PKG-04/198	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/038

Reinforcement Steel				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Rashmi Metaliks Limited	MKCIL/ASSAM/PKG-04/196	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/045A
2.	Shyam Steel industries Ltd.	MKCIL/ASSAM/PKG-04/195	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/040
3.	SRMB Srijan Pvt. Ltd.	MKCIL/ASSAM/PKG-04/197	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/046
4.	Elegant steel	MKCIL/ASSAM/PKG-04/214	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/047
5.	Tata Steel (GFRP)	MKCIL/ASSAM/PKG-04/213		

Admixture				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Berger Paints Pvt. Ltd.	MKCIL/ASSAM/PKG-04/200	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/045
2.	CHRYSO India Pvt. Ltd	MKCIL/ASSAM/PKG-04/201	Approved	AIPPL-AYOLEEEZA/IE/NHIDCL/Karimganj/Pkg-04/042

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3.	CICO Technologies Ltd.	MKCIL/ASSAM/PKG-04/202	Approved	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/Pkg-04/043
4.	FOSROC Chemicals (India) Ltd.	MKCIL/ASSAM/PKG-04/203	Approved	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/Pkg-04/044
5.	Vista Chemtech Pvt. Ltd.	MKCIL/ASSAM/PKG-04/204	Approved	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/Pkg-04/045

Other

Sr. No.	Brand Name	Description	Letter No.	Status	IE Letter No.
1.	Z-TECH (INDIA) PRIVATE LIMITED	Re-Wall	MKCIL/ASSAM/PKG-04/332		
2.	MAURER SANFIELD (INDIA) LIMITED	Dearing	MKCIL/ASSAM/PKG-04/333		

Lab Mix Design & Other

Sr. No.	Grade Of Concrete	Submission Letter No.	Status	Approval IE Letter No.
1.	M15, M30	MKCIL/ASSAM/PKG-04/337	Approved	AIPPLAYOLEEZA/IE/NHIDCL/Karimganj/PKG04/123
2.	M35 Pile	MKCIL/ASSAM/PKG-04/359	Approved	AIPPLAYOLEEZA/IE/NHIDCL/Karimganj/PKG04/142

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Monthly Laboratory Report

Monthly Progress Report month of November2025																	
Sr.No.	Name of test	Reference as per IS/ MORTH	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 checked by IE			% Checked by AE	Remarks
				Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
LAB & FIELD TESTS																	
(I) OGL samples		MORTH 305															
1.1	Free Swell Index (FSI)	IS : 2720 (P-40)	1 test / every 250 m interval		46	0	0	0	0	96	96	0	10	10	0		
1.2	Grain size analysis	IS : 2720 (P-4)	1 test / every 250 m interval		46	0	0	0	0	96	96	0	10	10	0		
1.3	Atterberg limits (LL & PI)	IS : 2720 (P-5)	1 test / every 250 m interval		46	0	0	0	0	96	96	0	10	10	0		
1.4	Proctor test (MDD Vs OMC)	IS : 2720 (P-8)	1 test / every 250 m interval		46	0	0	0	0	96	96	0	10	10	0		
1.5	4 days soaked CBR	IS : 2720 (P-16)	as required		46	0	0	0	0	96	96	0	10	10	0		
(II) Borrow area samples		MORTH 305															
2.1	Free Swell Index (FSI)	IS : 2720 (P-40)	2 test / 3000 m3		40	0	19	19	0	59	59	0	2	2	0		
2.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000 m3		40	0	19	19	0	59	59	0	2	2	0		
2.3	Atterberg limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000 m3		40	0	19	19	0	59	59	0	2	2	0		
2.4	Proctor test (MDD Vs OMC)	IS : 2720 (P-8)	2 tests / 3000 m3		40	0	19	19	0	59	59	0	2	2	0		
2.5	CBR	IS : 2720 (P-16)	One Set of three spcimen tests As required by Engineer		20	0	13	13	0	33	33	0	2	2	0		
2.6	Soluble sulphate content	IS : 2720 (P-16)	1 test / 3000 m3														
(III) Field Density Tests		MORTH 305															
3.1	Field density test on OGL	IS : 2720 (P-28)	1 set of tests / 3000m2		30	0	20	20	0	50	50	0	2	2	0		
3.2	Field density test on Emb.	IS : 2720 (P-28)	1 set of tests / 3000m2		30	0	28	25	3	58	55	3	4	3	1		
3.3	Field density test on Subgrade	IS : 2720 (P-28)	1 set of tests / 2000 m2														
3.4	Field density test on GSB	IS : 2720 (P-28)	1 tests / 1000m2														
3.5	Field density test on WMM	IS : 2720 (P-28)	1 set(3 pit) of tests / 1000 m2														
3.6	Field density test on AIL	IS : 2720 (P-28)	1 set(3 pit) of tests / 1000 m2														
3.7	Field density test on Shoulder	IS : 2720 (P-28)	1 set of tests /2000 m2														
3.8	Field density test on Median	IS : 2720 (P-28)	1 set of tests /3000 m2														
(IV) Coarse Agg. for Concrete		MORTH 1000															
4.1	Gradation	IS : 2386 (P-1)	1 test / day		26	0	22	22	0	48	48	0	3	3	0		
4.2	FI & EI	IS : 2386 (P-1)	1 test for source / month		3	0	2	2	0	5	5	0	0	0	0		
4.3	Aggregate Impact Value	IS : 2386 (P-4)	1 test for source / month		5	0	4	4	0	9	9	0	1	1	0		
4.4	Specific Gravity	IS : 2386 (P-3)	1 test for source / month		5	0	0	0	0	5	5	0	0	0	0		
4.5	Water Absorption	IS : 2386 (P-3)	1 test for source / month		5	0	0	0	0	5	5	0	0	0	0		
4.6	Deleterious Content	IS : 2386 (P-1)	1 test / Source		0	0	0	0	0	0	0	0	0	0	0		
4.7	Moisture correction	IS : 2386 (P-3)	1 test / Day		26	0	22	22	0	48	48	0	3	3	0		

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(V) Fine Agg. for Concrete		0														
5.1	Gradation	IS: 383	1 test / day		26	0	22	22	0	48	48	0	2	2	0	
5.2	Specific Gravity	IS: 2386 (P-3)	1 test for source / month		5	0	0	0	0	5	5	0	0	0	0	
5.3	Water Absorption	IS: 2720 (P-3)	1 test for source / month		5	0	0	0	0	5	5	0	0	0	0	
5.4	Silt Content	IS: 383	1 test / day		26	0	4	4	0	30	30	0	0	0	0	
5.5	Moisture correction	IS: 2386 (P-3)	1 test / day		26	0	22	22	0	48	48	0	2	2	0	
(VI) Site Concrete Cube Compressive strength Tests																
For M 15 Grade																
6.1	for 7 days	IS: 516	for 7 days		0	0	0	3	3	0	3	3	0	0	0	
6.2	for 28 days	IS: 516	for 28 days													
For M 20Grade																
6.3	for 7 days	IS: 516	for 7 days													
6.4	for 28 days	IS: 516	for 28 days													
For M 20Grade for KERB																
6.5	for 7 days	IS: 516	for 7 days													
6.6	for 28 days	IS: 516	for 28 days													
For M 25 Grade																
6.7	for 7 days	IS: 516	for 7 days													
6.8	for 28 days	IS: 516	for 28 days													
For M 30 Grade																
6.9	for 7 days	IS: 516	for 7 days		15	15	0	20	20	0	35	35	0	3	3	0
6.10	for 28 days	IS: 516	for 28 days		10	10	0	8	8	0	18	18	0	1	1	0
For M 35 Grade																
6.11	for 7 days	IS: 516	for 7 days													
6.12	for 28 days	IS: 516	for 28 days													
For M 35 Pile																
6.13	for 7 days	IS: 516	for 7 days													
6.14	for 28 days	IS: 516	for 28 days													
For M 40 Grade																
6.15	for 7 days	IS: 516	for 7 days													
6.16	for 28 days	IS: 516	for 28 days													
For M 45 Grade																
6.17	for 7 days	IS: 516	for 7 days													
6.18	for 28 days	IS: 516	for 28 days													
For Grouting of PSC Girders																
6.19	for 7 days	MORTH	for 7 days													
6.20	for 28 days	MORTH	for 28 days													
(VII) Cement tests																
7.1	Fineness of cement	IS: 4031 (P-1)	1 test / lot of cement		3	3	0	3	3	0	6	6	0	1	1	0
7.2	Normal consistency	IS: 4031 (P-4)	1 test / lot of cement		3	3	0	3	3	0	6	6	0	1	1	0
7.3	Initial, final setting times	IS: 4031 (P-5)	1 test / lot of cement		3	3	0	3	3	0	6	6	0	1	1	0
7.4	Compressive strength - 03 days	IS: 516	for 3 days		3	3	0	3	3	0	6	6	0	1	1	0
7.5	- 7 days	"	for 7 days		3	3	0	3	3	0	6	6	0	1	1	0
7.6	- 28 days	"	for 28 days		0	0	0	3	3	0	3	3	0	1	1	0
(VIII) SUB-BASE (GSB)		MORTH 401														
8.1	Gradation	Table 400-2	1 test / 400 m3													
8.2	Atterberg limits (LL & PI)	IS: 2720 (P-5)	1 test / 400 m3													
8.3	4 days soaked CBR	IS: 2720 (P-16)	1 test per source & as required													
8.4	Water Absorption	IS: 2720 (P-3)	1 test per source & as required													
8.5	AIV	IS: 2386 (P-4)	1 test per source & as required													
8.6	Proctor test (MDD Vs OMC)	IS: 2720 (P-8)	1 test per source & as required													

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(IX) BASE (WMM)		MORTH 406															
9.1	Gradation	Table 400-13	1 test / 200 m3														
9.2	Atterberg limits (LL & PI)	IS : 2720 (P-5)	1 test / 200 m3														
9.3	Proctor test (MDD Vs OMC)	IS : 2720 (P-8)	As required														
9.4	A.I.V	IS : 2386 (P-4)	1 test / 1000 m3														
9.5	FI & EI	IS : 2386 (P-1)	1 test /500 m3														
9.6	Water Absorption	IS : 2386 (P-3)	As required														
9.7	L.A.V.	IS : 2386 (P-4)	as required														
9.8	Soundness	IS : 2386 (P-3)	As required														
(X) DRY LEAN CONCRETE (DLC)		MORTH 600															
10.1	Gradation	Table 600-1	1 test / 200 m3														
10.2	Field density test (FDD)	IS : 2720 (P-28)	1 set(3 pit) of tests / 1000 m2														
10.3	Proctor test (MDD Vs OMC)	IS : 2720 (P-8)	As required														
10.4	A.I.V	IS : 2386 (P-4)	1 test / 1000 m3														
10.5	FI & EI	IS : 2386 (P-1)	1 test /500 m3														
10.6	Water Absorption	IS : 2386 (P-3)	As required														
10.7	Moisture correction	IS : 2386 (P-3)	1 test / Day														
10.8	for 7 days (Cube)	IS : 516	for 7 days														
10.9	for 28 days (Cube)	IS : 516	for 28 days														
(XI) PAVEMENT QUALITY CONCRETE (PQC)		MORTH 600															
11.1	Gradation	Table 600-1	1 test / 200 m3														
11.4	A.I.V	IS : 2386 (P-4)	1 test / 1000 m3														
11.5	FI & EI	IS : 2386 (P-1)	1 test /500 m3														
11.6	Water Absorption	IS : 2386 (P-3)	As required														
11.7	Slump Test	IS : 1199	1 test each dumper														
11.8	for 7 days (Cube)	IS : 516	for 7 days														
11.9	for 28 days (Cube)	IS : 516	for 7 days														
11.10	for 7 days (Beams)	IS : 516	for 7 days														
11.11	for 28 days (Beams)	IS : 516	for 7 days														
(XII) DENSE BITUMINOUS MACADAM (DBM)																	
12.1	Binder Content & Gradation	As per MORST & H	1 test / 400 MT Mix														
12.2	Combined Gradation	As per MORST & H	1 test / 400 MT Mix														
12.3	Marshall Test (in Sets)	ASTM D 1559	1set/ 400 MT Mix														
12.4	A.I.V	IS : 2386 (P-4)	1 test / 350 m3 of Agg.														
12.5	FI & EI	IS : 2386 (P-1)	1 test / 350 m3 of Agg.														
12.6	Water Absorption & Specific Gravity	IS : 2386 (P-3)	1 test per source & as required														
12.7	L.A.V.	IS : 2386 (P-4)	1 test per source & as required														
12.8	Stripping Value	IS : 6241	1 test per source & as required														
12.9	Density of compacted layer	MoRT&H Sec.900	1 test / 700 Sq.m														
12.10	Soundness	IS : 2386 (P-3)	1 test per source & as required														
12.11	Sand equivalent test	IS : 2720(P-37)	1 test per source & as required														
12.12	plasticity Index	MoRT&H Sec.900	1 test per source & as required														
12.13	percentage of Fractured face	MoRT&H Sec.900	1 test per source & as required														
12.14	Polished stone value	BS: 812 (P-114)	1 test per source & as required														
(XIII) BITUMINOUS CONCRETE (BC)																	
13.1	Binder Content & Gradation	As per MORST & H	1 test / 400 MT Mix														
13.2	Combined Gradation	As per MORST & H	1 test / 400 MT Mix														
13.3	Individual Gradation	As per MORST & H	1 test day														
13.4	Marshall Test (in Sets)	ASTM D 1559	1set/ 400 MTMix														
13.5	Maximum Sp.Gravity(Gmm)	ASTM D 2041	1set/ 400 MTMix														
13.6	A.I.V	IS : 2386 (P-4)	1 test / 350 m3 of Agg.														
13.7	FI & EI	IS : 2386 (P-1)	1 test / 350 m3 of Agg.														
13.8	Water Absorption & Specific Gravity	IS : 2386 (P-3)	As required														
13.9	L.A.A.V	IS : 2386 (P-4)	As required														
14.0	Stripping Value	IS : 6241	As required														
14.1	Core Density Test	MoRT&H Sec.900	1 test / 700 Sq.m														
14.2	Soundness	IS : 2386 (P-3)	1 test per source & as required														
14.3	Sand equivalent test	IS : 2720(P-37)	1 test per source & as required														
14.4	plasticity Index	MoRT&H Sec.900	1 test per source & as required														
(XIV) Cement Treated Sub Base(CTSB)		IRC-37: 2018															
14.1	Gradation	Table 400-1	1 test / 200 m3														
14.2	Atterberg limits (LL & PI)	IS : 2720 (P-5)	1 test / 200 m3														
14.3	Proctor test (MDD Vs OMC)	IS : 2720 (P-8)	As required														
14.4	A.I.V	IS : 2386 (P-4)	1 test / 1000 m3														
14.5	UCS Test	is: 516	One Set day (03 nos)														
14.6	Field density test on CTSB	IS : 2720 (P-28)	1 set(3 pit) of tests / 1000 m2														

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(XV) BITUMEN-VG-40																
15.1	Specific Gravity at 27°C	IS: 2380 (P-4)	As required													
15.2	Softening Point (°C)	IS: 1205	1 test per Lot													
15.3	Penetration at 25°C 100gm 5 Sec	IS: 1203	1 test per Lot													
15.4	Ductility at 27°C	IS: 1208	1 test per Lot													
15.5	Viscosity at 60°/135°C (CST)	IS: 1206	As required													
(XVI) MODIFIED BITUMEN (PMB 76E-10)																
16.1	Specific Gravity at 27°C	IS: 2380 (P-4)	As required													
16.2	Softening Point (°C)	IS: 1205	1 test per Lot													
16.3	Seperation, difference in softening point (0°C)	IS: 15462: 2019	1 test per Lot													
16.4	Elastic Recovery at 15°C	IS: 15462: 2019	1 test per Lot													
(XVII) RATE OF SPRAY																
17.1	Prime coat	IS: 8887	1 test / 500 sqm													
17.2	Tack Coat	IS: 8887	1 test / 500 sqm													
THIRD PARTY TESTS																
(XVIII) COARSE AGGREGATE		MORTH 1000														
18.1	Gradation	IS: 2386 (P-1)	1 test / source	1	1	0	0	0	0	1	1	0				
18.2	FI & EI	IS: 2386 (P-1)	1 test / source	1	1	0	0	0	0	1	1	0				
18.3	Aggregate Impact Value	IS: 2386 (P-4)	1 test / source	1	1	0	0	0	0	1	1	0				
18.4	Specific Gravity	IS: 2386 (P-3)	1 test / source	1	1	0	0	0	0	1	1	0				
18.5	Water Absorption	IS: 2386 (P-3)	1 test / source	1	1	0	0	0	0	1	1	0				
18.6	Deleterious Content	IS: 2386 (P-1)	1 test / source	1	1	0	0	0	0	1	1	0				
18.7	L.A.V.	IS: 2386 (P-4)	1 test / source	1	1	0	0	0	0	1	1	0				
18.8	Alkali Aggregate Reactivity	IS: 2386 (P-7)	1 test / source	1	1	0	0	0	0	1	1	0				
18.9	Soundness	IS: 2386(P-5)	1 test / source	1	1	0	0	0	0	1	1	0				
18.10	Petrographic Examination	IS: 2386 (P-8)	1 test / source	1	1	0	0	0	0	1	1	0				
18.11	Stone Polished Value	BS-812 (P-114)	1 test / source	1	1	0	0	0	0	1	1	0				
(XIX) FINE AGGREGATE																
19.1	Gradation	IS: 383	1 test / source	1	1	0	0	0	0	1	1	0				
19.2	Specific Gravity	IS: 2386 (P-3)	1 test / source	1	1	0	0	0	0	1	1	0				
19.3	Water Absorption	IS: 2386 (P-3)	1 test / source	1	1	0	0	0	0	1	1	0				
19.4	Deleterious Content	IS: 2386 (P-1)	1 test / source	1	1	0	0	0	0	1	1	0				
19.5	Silt Content	IS: 2386 (P-4)	1 test / source	1	1	0	0	0	0	1	1	0				
19.6	Alkali Aggregate Reactivity	IS: 2386 (P-7)	1 test / source	1	1	0	0	0	0	1	1	0				
19.7	Soundness	IS: 2386(P-5)	1 test / source	1	1	0	0	0	0	1	1	0				
19.8	Organic Impurities	IS: 2386 (P-8)	1 test / source	1	1	0	0	0	0	1	1	0				
19.9	Fineness Modulus	IS: 383	1 test / source	1	1	0	0	0	0	1	1	0				
(XX) STEEL - MORTH 1000																
20.1	Physical properties	IS: 1786	< 10mm - 1 sample/25 MT, 10-16mm-1sample/35 MT,	1	1	0	0	0	0	1	1	0				
20.2	Chemical properties	IS: 1786	> 16mm - 1 sample/45 MT	1	1	0	0	0	0	1	1	0				
(XXI) WATER - MORTH 1000																
21.1	Suitability for construction	IS: 456	1 test per source & as required	1	1	0	0	0	0	1	1	0				
(XXII) ADMIXTURE - MORTH 1000																
22.1	Physical & Chemical properties	IS: 9103	1 test per Lot	1	1	0	0	0	0	1	1	0				
(XXIII) CEMENT 53 GRADE OPC - MORTH 1000																
23.1	Physical & Chemical properties	IS: 8112	1 test / source	1	1	0	0	0	0	1	1	0				
(XXIV) SOIL - Borrow Area																
24.1	Mechanical	IS: 2720 (P-39)	1 test / source													
(XXV) NP-4 HUME PIPE TEST																
25.1	600 MM	IS: 458	1 test per Lot of 50 Pipes													
(XXVI) BITUMEN & BITUMEN EMULSION																
26.1	Bitumen	IS: 73	1 test per Lot													
26.2	Bitumen Emulsion SS-1	IS: 8887	1 test per Lot													
26.3	Bitumen Emulsion RS-1	IS: 8887	1 test per Lot													
(XXVII) CURING COMPOUND																
27.1	Physical & Chemical properties		1 test per Lot													
Contractor,s Representative Concessionaire Representative IE Representative																

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**CHAPTER-11
CORRESPONDENCE**

11.1 Outward Letter

Sr. No.	Letter No.	Date	Subject	To
1.	MKCIL/ASSAM /PKG-04/313	01-11-2025	Regarding Submission of Design & Drawing for MNB at Ch. 40+344	TL (AIPPL)
2.	MKCIL/ASSAM /PKG-04/314	03.11.2025	"Notification of Force Majeure event under clause 28.5 of Concession Agreement".	TL (AIPPL)
3.	MKCIL/ASSAM /PKG-04/315	04.11.2025	Reg: Submission of Monthly Progress Report for the Month of October 2025	TL (AIPPL)
4.	MKCIL/ASSAM /PKG-04/316	04.11.2025	Regarding Submission of Design & Drawing for MNB at Ch. 55+742	TL (AIPPL)
5.	MKCIL/ASSAM /PKG-04/320	05-11-2025	Regarding Submission of Concrete mix design of Grade- M15, M30 for approval.	TL (AIPPL)
6.	MKCIL/ASSAM /PKG-04/327	10.11.2025	Regarding Submission of Design & Drawing for VUP at Ch. 54+117 (1x20)	TL (AIPPL)
7.	MKCIL/ASSAM /PKG-04/329	12.11.2025	"Notification about the resistance offered by the local residents to the construction activity".	TL (AIPPL)
8.	MKCIL/ASSAM /PKG-04/330	12.11.2025	Regarding Submission of Design & Drawing for Box Culvert at Ch. 49+959 (2x4)	TL (AIPPL)
9.	MKCIL/ASSAM /PKG-04/331	12.11.2025	Regarding Submission of GAD for Precast Box Culvert at Ch.40+240 (1x2x2)	TL (AIPPL)
10.	MKCIL/ASSAM /PKG-04/332	12.11.2025	Submission Company profile of Z-TECH (INDIA) PRIVATE LIMITED for Re-Wall Construction.	TL (AIPPL)
11.	MKCIL/ASSAM /PKG-04/333	12.11.2025	Regarding Submission of Company profile of MAURER SANFIELD (INDIA) LIMITED for source approval of Bearing	TL (AIPPL)
12.	MKCIL/ASSAM /PKG-04/336	13.11.2025	Regarding Submission of test results of OGL Sampling.	TL (AIPPL)
13.	MKCIL/ASSAM /PKG-04/337	13.11.2025	Regarding Submission of Concrete mix design of Grade- M15, M30 for final approval.	TL (AIPPL)
14.	MKCIL/ASSAM /PKG-04/342	15.11.2025	Regarding Submission of Design and Drawing for MNB at Ch. 53+067 (1x6m).	TL (AIPPL)
15.	MKCIL/ASSAM /PKG-04/346	20.11.2025	Regarding Submission of IIT Vetted Drawings for ROB at Ch.40+978 & Ch.53+328 for further railway approval.	TL (AIPPL)
16.	MKCIL/ASSAM /PKG-04/348	21.11.2025	Regarding Submission of Design and Drawing for MNB at Ch. 49+807 (1x6m).	TL (AIPPL)
17.	MKCIL/ASSAM /PKG-04/353	25.11.2025	Regarding Submission of test results of OGL Sampling.	TL (AIPPL)

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18.	MKCIL/ASSAM /PKG-04/356	27.11.2025	Regarding arrangement of water tanker at site	TL (AIPPL)
19.	MKCIL/ASSAM /PKG-04/357	27.11.2025	Regarding Submission of Design and Drawing for MNB at Ch. 46+565 (3x6.7m).	TL (AIPPL)
20.	MKCIL/ASSAM /PKG-04/358	28.11.2025	ASSAM PKG-04 Letter No. 358 Request to Providing encumbrance free Right of Way to the Concessionaire	TL (AIPPL)
21.	MKCIL/ASSAM /PKG-04/359	28.11.2025	Regarding Submission of Concrete mix design of Grade- M35 Pile Grade for provisional approval.	TL (AIPPL)
22.	MKCIL/ASSAM /PKG-04/363	29.11.2025	"Submission of work program along with S-curve"	TL (AIPPL)

11.2 Inward Letter (NHIDCL & AIPPL)

Sr. No.	Letter No.	Date	Subject	From
1.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/116	15.11.2025	Notice Regarding Slow Progress of Works	AIPPL
2.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/118	12.11.2025	Standard Penetration test Report (SPT) for Foundation Work	AIPPL
3.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/119	13.11.2025	Re Submission of Revised Work Program.	AIPPL
4.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/120	13.11.2025	Third Party CBR Test at NIT Silchar	AIPPL
5.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/121	13.11.2025	Work Executed without Dewatering and without prior intimation (Ch. 38+800 to 39+100)	AIPPL
6.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/123	15.11.2025	Submission of Weekly Progress Report	AIPPL
7.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/124	17.11.2025	Regarding Submission of Concrete mix Design of Grade-M15 & M30 Grade for Final Approval	AIPPL

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8.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/125	21.11.2025	IIT Vetted Design and Drawings for ROB at Ch. 40+978 & Ch. 53+328 for further Railway Approval	AIPPL
9.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/126	22.11.2025	Regarding: - Weekly Report from Dated 15.11.2025 To 21.11.2025.	AIPPL
10.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/127	22.11.2025	Submission of Third- Party test report Fine Aggregate (River Sand), Water, Cement, Steel & Admixture for Source Approval. Reg.	AIPPL
11.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/129	25.11.2025	Regarding Submission of D&D for MNB at 53+067	AIPPL
12.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/130	26.11.2025	Regarding Submission of D&D for MNB 49+807(1x6)	AIPPL
13.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/131	26.11.2025	Regarding Submission of D&D for MNB at 55+742	AIPPL
14.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/132	26.11.2025	Regarding Submission of D&D for Box Culvert at 49+635 (1x3)	AIPPL
15.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/133	26.11.2025	No barricading	AIPPL
16.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/134	26.11.2025	No arrangement for water tanker	AIPPL
17.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/135	27.11.2025	Reg: -Immediate Water Tanker Required on Construction Site.	AIPPL
18.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/136	27.11.2025	Immediate Water Tanker Required on Construction Site.	AIPPL
19.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/137	28.11.2025	Existing Culverts being extended into Minor Bridge (MNB) No safety measures in place risk of collapse leading to Major Accidents.	AIPPL

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

20.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/138	28.11.2025	Regarding Submission of Quarterly Videography as per Contractual Provisions.	AIPPL
21.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/139	28.11.2025	Regarding: - Weekly Report from Dated 22.11.2025 To 28.11.2025.	AIPPL
22.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/140	29.11.2025	Request to Providing encumbrance free Right of way to the Concessionaire	AIPPL
23.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/141	29.11.2025	Reg: -Additional Water Tanker Required to Control Dust Suppression of 24.2Km Highway Stretch.	AIPPL
24.	AIPPL-AYOLEEZA/IE/NHIDC L/Karimganj/PKG04/142	28.11.2025	Regarding Submission of Concrete mix Design of M30 Pile Grade for Provisional Approval	AIPPL

CHAPTER-12
NON-CONFORMANCE REPORT
NIL

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER-13

WEATHER REPORT

Sl no.	Date	Temperature (In °c)		Humidity (In %)		Rainfall (mm)	Weather Condition	Remarks
		Minimum	Maximum	Minimum	Maximum			
1	01.11.2025	31.6	35.4	50	96.4	0	Sunny	
2	02.11.2025	26	34	38.4	52	36.2	Ranny/ Sunny	
3	03.11.2025	32.8	39.4	71	79	0	Sunny	
4	04.11.2025	32.6	35.3	69	83	0	Sunny	
5	05.11.2025	25.4	38	84.6	49	0	Sunny	
6	06.11.2025	27	36	49	83	0	Sunny	
7	07.11.2025	26	37.8	48	94	0	Sunny	
8	08.11.2025	26.4	34.8	42.4	93	0	Sunny	
9	09.11.2025	25.8	35.4	42.6	94	0	Sunny	
10	10.11.2025	27.6	42.6	44.3	92	0	Sunny	
11	11.11.2025	25	33.9	49	84	0	Sunny	
12	12.11.2025	24.9	32.8	52	82	0	Sunny	
13	13.11.2025	25.2	32.6	55	84	0	Sunny	
14	14.11.2025	26	32.9	58	83	0	Sunny	
15	15.11.2025	23	30.2	60	82	0	Sunny	
16	16.11.2025	19	30	64	80	0	Sunny	
17	17.11.2025	19.5	29.9	63	82	0	Sunny	
18	18.11.2025	19.6	29.8	60	83	0	Sunny	
19	19.11.2025	18.2	29.2	64	84	0	Sunny	
20	20.11.2025	17.5	29.5	58	84	0	Sunny	
21	21.11.2025	17.5	29.7	60	83	0	Sunny	
22	22.11.2025	16.8	29.5	58	85	0	Sunny	
23	23.11.2025	16.2	29.8	56	84	0	Sunny	
24	24.11.2025	16	30.2	52	81	0	Sunny	
25	25.11.2025	16.5	30.5	50	80	0	Sunny	
26	26.11.2025	16.9	30	48	83	0	Sunny	
27	27.11.2025	17.0	29.9	50	85	0	Sunny	
28	28.11.2025	17.2	30.2	47	84	0	Sunny	
29	29.11.2025	17.5	30.5	45	83	0	Sunny	
30	30.11.2025	17.0	30.4	48	82	0	Sunny	

Rainfall Data

Sr.no.	Description	Total Rainfall	Up to previous month	This month
1	Rainfall	1,670.60	1634.4	36.2

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

The maximum & minimum weather records are summarized below:

TEMPERATURE/ RAINFALL PERIOD: 1st November, 2025 to 30th November, 2025				
Temperature		Rainfall		
Maximum (in ⁰ C)	Minimum (in ⁰ C)	Maximum (in mm)	Minimum (in mm)	Total Days
42.6	16	36.2	0	1

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER-14

ACCIDENT REPORT

NIL

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER-15

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 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.

CHAPTER-16

PROJECT PROGRESS PHOTOGRAPHS



BOX Culvert PCC Complete at 39+194 BHS



Embankment Layer in Progress at 60+300 To 60+400 LHS

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.



FDD Checking of Embankment Layer 61+230 To 61+380 RHS



C&G Work in Progress at 52+750 LHS

Four Laning of Badarpur-Churaibari section of NH-37 & NH-8 from Design chainage 38.600 (End of Proposed Badarpur Bypass) to Km. 62.800 (Start of Proposed Nilambazar/ Cheragi Bypass) in the state of Assam (Package-IV) on HAM mode.



Box Culvert Segment Curing in progress 39+000



Embankment 5th Layer FDD Checking at 61+030 to 61+500 RHS