

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

## MARCH - 2026



<p><b>Authority</b></p>		<p><b>National Highways Infrastructure Development Corporation Limited</b></p>
<p><b>Independent Engineer</b></p>		<p><b>M/s Agnitio Infrastructure Projects Pvt. Ltd. in JV with M/s Ayoleeza Consultants Pvt. Ltd.</b></p>
<p><b>Concessionaire</b></p>		<p><b>MKC Badarpur Churaibari Kamakhya (PKG-4) Highways Pvt. Ltd.</b></p>

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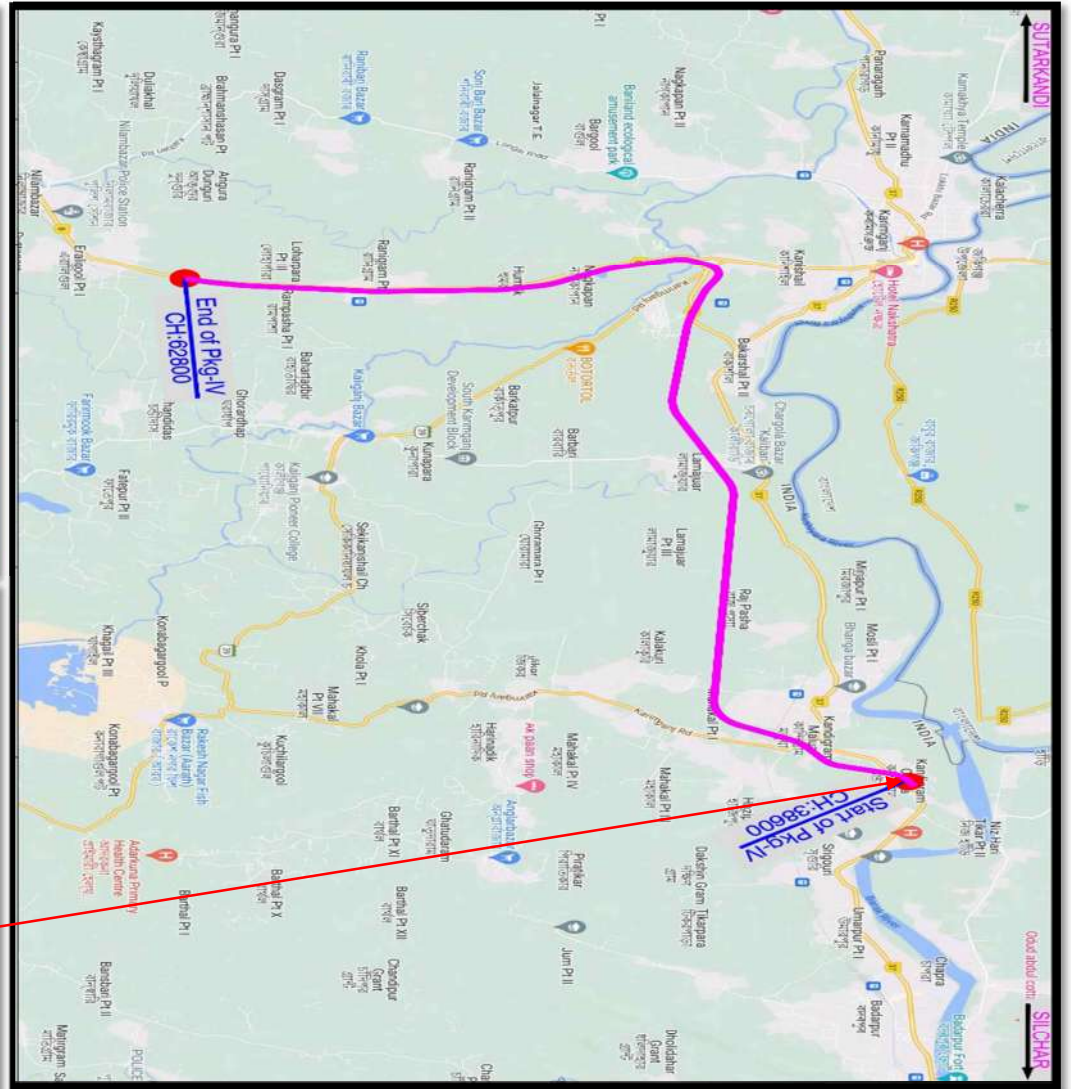
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PROJECT LOCATION MAP / INDEX MAP



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**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-04/414, dated 18.12.2025 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	19.85	82.02%	BHS	4.350	17.97%

**b) Hindered due to Tree Cutting:**

Description	Total Nos.	Total Tree Cutting	Balance	Impacted Length (km)	Remarks
Total Trees	648	192	456	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	Danptra (masjid)	55+200	RHS	Saidambor Part-I	
4	Sani Mandir (ROW)	56+200	LHS	Saidambor Part-II	

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5	Danpra (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.	40+000	40+200	BHS	200.000	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+220	55+270	BHS	50.000	Assam Type House/RCC Building
12.	55+540	55+580	RHS	40.000	Assam Type House/RCC Building
13.	55+670	55+700	RHS	30.000	Assam Type House/RCC Building
14.	56+120	56+200	BHS	80.000	Assam Type House/RCC Building
15.	56+510	56+550	BHS	40.000	Assam Type House/RCC Building
16.	56+800	56+900	RHS	100.000	Assam Type House/RCC Building
17.	57+100	57+130	BHS	30.000	Assam Type House/RCC Building
18.	57+600	57+660	RHS	60.000	Assam Type House/RCC Building
19.	57+950	58+000	LHS	50.000	Assam Type House/RCC Building
20.	58+030	58+080	BHS	50.000	Assam Type House/RCC Building
21.	59+100	59+100	BHS	0.000	Assam Type House/RCC Building
22.	59+400	59+960	BHS	560.000	Assam Type House/RCC Building
23.	60+000	60+250	RHS	250.000	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
<b>Total Hindered Length</b>				<b>4310.00</b>	

**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) **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.
- b) **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-04/574 dated 28.02.2026)
- c) **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	<ul style="list-style-type: none"> <li>• 3A- 19.37 Ha</li> <li>• 3G- 4.91 Ha</li> </ul>	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)



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

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- d) Existing Road Maintainance:** 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.

- e) 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**

<b>Sr. No.</b>	<b>Items</b>	<b>Description</b>
1.	<b>Name of Project</b>	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.	<b>Project Length</b>	24.200 km
3.	<b>Project Bid Cost</b>	554.16 Cr.
4.	<b>Authority</b>	National Highways & Infrastructure Development Corporation Limited
5.	<b>Independent Engineer</b>	Agnitio Infrastructure Projects Pvt. Ltd. In JV with Ayoleeza Consultant Pvt Ltd.
6.	<b>Concessionaire</b>	MKC Badarpur Churaibari Kamakhya (PKG-4) Highways Private Limited
7.	<b>Design Consultant</b>	MKC Infrastructure Ltd.
8.	<b>DPR Consultant</b>	Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
9.	<b>LOA No. &amp; Date</b>	NHIDCL/Procurement/Assam/2023-24/228965/3085 dated 11.03.2024
10.	<b>Date of Concession Agreement</b>	September 17, 2024
11.	<b>Appointed Date</b>	August 18, 2025
12.	<b>Construction Period</b>	730 days (from Appointed Date) [24-Months]
13.	<b>Schedule Completion Date</b>	August 18, 2027
14.	<b>O&amp;M Period</b>	15 Years from the date of COD

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15.	<b>Project Milestone</b>	
	<b>Milestone- I</b>	<p>The Project Milestone-I shall occur on the date falling on the 256<sup>th</sup> (two hundred and fifty sixth) day from the Appointed Date (i.e., <b>May 01, 2026</b>)-</p> <p>(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)</p>
	<b>Milestone- II</b>	<p><b>438<sup>th</sup> Day from Appointed Date (i.e., October 30, 2026)</b>- (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.).</p>
	<b>Milestone- III</b>	<p><b>620<sup>th</sup> Day from Appointed Date (i.e., April 30, 2027)</b> (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).</p>
	<b>Scheduled Completion Date</b>	<p><b>730<sup>th</sup> Day from Appointed Date (i.e., August 18, 2027)</b></p> <p>The concessionaire shall have completed the Project in accordance with the Concession Agreement.</p>

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**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	
13.	Cross Road		Nos.	30	
14.	W-beam Single faced metal crash barrier		Rmt.	31092	
15.	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	Completed	
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	
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:

<b>Sl. No.</b>	<b>Utility/ Hindrance Type</b>	<b>Unit</b>	<b>Scope Qty.</b>	<b>Status</b>	<b>Remarks</b>
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.

<b>Sr. No.</b>	<b>Description</b>	<b>Total</b>	<b>Remarks</b>
1.	Total Number of Trees	648	
2.	Total Felling of Trees	20	
3.	Balance Trees	628	

**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	SPM	Project
3	Manoj Singh Rawat	Deputy Manager	Highway
4	Navin Kumar	Sr. Engineer	Highway
5	Prabir Samanta	Asst. Manager	Highway
6	Amar deep Chaudhary	Supervisor	Highway
7	Sujit Pramanik	DY MANAGER	Survey
8	Jaibhan Pratap	Surveyor	Survey
9	Sudheer Raturi	Sr. Engineer	BILLING/PLANNING
10	Surajit Samanta	Engineer	BILLING/PLANNING
11	ROBIN CHAUHAN	Lab tech	QA/QC
12	Vinay Kumar Tripathi	Manager	QA/QC
13	Viplob	Sr. Engineer	QA/QC
14	ARVIND KUMAR	HSD SUPERVISOR	Store
15	Dinesh Gehlot	Manager	structure
16	Manmotha Mondal	Dy. Manager	structure
17	Rahul Kumar	Supervisor	structure
18	Lokesh Sahu	Sr. Engineer	structure
19	Manish Dixit	EXECUTIVE	HR/Admin
20	Deepak Sharma	Executive	Liaising
21	Ram Nirajan Vishwakarma	Manager	Liaising
22	Jakir Hussain	GM	Project
23	Kishore Pejjayi	Project Manager	Project
24	Prashant Gangwar	Project Manager	Project
25	Debasish Sinha	Project Manager	Project
26	Adan Khan	Sr. STR Engineer	Structure
27	Pradip Kumar Das	Site Engineer	Structure
28	Prasenjit Sinha	STR Engineer	Structure
29	Sonu Paswan	STR Supervisor	Structure
30	Bhupen Gogoi	STR Supervisor	Structure
31	Biswajit Das	STR Supervisor	Structure

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32	Ashok Kumar Mondal	Material Engineer	QA/QC
33	Govinda Pashi	Sr. Lab Technician	QA/QC
34	Arun Kumar Mondal	Lab Technician	QA/QC
35	Jay Kumar Pashi	Lab Technician	QA/QC
36	Abhijit Paul	Lab Helper	QA/QC
37	shuvam Das	Lab Helper	QA/QC
38	Biplob Das	Lab Helper	QA/QC
39	Parvez Hussain	Lab Helper	QA/QC
40	Pranjal Deory	Site Engineer	Highway
41	Manas Protim Laskar	Senior Supervisor	Highway
42	Gitartha Goutam Saikia	Senior Supervisor	Highway
43	Ajit Tanti	Supervisor	Highway
44	Rituraj Bora	Supervisor	Highway
45	Pranab Mohanta	Supervisor	Highway
46	Jamil Uddin Tapadar	Supervisor	Highway
47	Kamrul Hussain	Supervisor	Highway
48	Anuj Tanti	Supervisor	Highway
49	Vinayak Choudhury	Supervisor	Highway
50	Ruhul Amin	Supervisor	Highway
51	Joinal uddin	Supervisor	Highway
52	Rana Sinha	Supervisor	Highway
53	Nirmalendu Roy	Supervisor	Highway
54	Bapan Namasudra	Safety supervisor	Highway
55	Enamul Islam Tapadar	Safety Helper	Highway
56	Iftehad Hussain	Safety Supervisor	Highway
57	Shamim Ahmed	QS (Manager)	QS
58	Partha Protim Phukan	HR/Admin Manager	HR/Admin
59	Sora Tama	Supervisor	HR/Admin
60	Bishal Bikram Dey	Computer Operator	QS
61	Shakil Ahmed	Office Boy	HR/Admin
62	Satyam Dey	Liasoning	Liaising
63	Ruhul Amin	Supervisor (borrow area)	Highway
64	Jainal Ahmed	Supervisor (borrow area)	Highway
65	Md Taufique Ahmed	camp In-Charge	HR/Admin
66	Tahmid Al Zaman	office asst	HR/Admin
67	Md Mehboob	Mess In-Charge	HR/Admin

**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.**

68	KH Sanjib sinha	Store Manager	Store
69	KH Iboton Singha	Store Asst /Purchaser	Store
70	Bipul Sinha	Store Helper	Store
71	Biswajit Dhara	Survey Manager	Survey
72	Rajesh Mallik	Surveyor	Survey
73	Sudip Bhowmik	Senior Surveyor	Survey
74	Bitupan Bora	Assitant Surveyor	Survey
75	Ajay Namasudra	Survey Helper	Survey
76	Debabrata Namasudra	Survey Helper	Survey
77	Yogeswara Reddy	Mechanical Head	P&M
78	H Bishal Singh	Diesel Mechanic	P&M
79	Ajmal Hussain Laskar	Mechanical Foreman	P&M
80	Robin Singh	Mechanical Foreman	P&M
81	Karan Rajbonshi	Diesel Mechanic	P&M
82	Sunadhan Singha	Diesel Mechanic	P&M
83	Maruf Ahmed Tapadar	Electrician	P&M
84	Mustafa Kamal	Diesel Helper	P&M
85	Nurul Islam Borbhuyan	Plumber	P&M
86	Karan Rajbonshi	Store Asst /Purchaser	Store
87	Sunadhan Singha	Store Helper	Store

**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**

<b>S.no</b>	<b>Equipment type</b>	<b>Unit</b>	<b>Qty</b>	<b>Remarks</b>
1	LMV	Nos.	20	
2	TIPPER	Nos.	55	
3	MOBILE CRANE	Nos.	02	
4	SOIL COMPACTOR	Nos.	8	
5	EXCAVATOR	Nos.	11	
6	BACK HOE LOADER	Nos.	07	
7	DIESEL DISPENCER	Nos.	02	
8	TRANSIT MIXER	Nos.	10	
9	TRACTOR	Nos.	02	
10	GRADER	Nos.	5	
11	BABY ROLLER	Nos.	0	
12	HM PLANT	Nos.	02	Installation In progress
13	BATCHING PLANT	Nos.	3	30CPH
14	RE BLOCK PLANT	Nos.	1	Installation In progress
15	DG	Nos.	15	25KV+15 KV
16	TRAILER	Nos.	4	
17	CRUSHER	Nos.	2	Kalain, Karimganj
18	WATER TANKER	Nos.	4	
19	FARANA	Nos	03	
20	LOADER	Nos.	2	
21	JCB	Nos	7	
22	DOZER	Nos	02	
23	Boom Placer	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 January 31<sup>st</sup>, 2026, 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	1.00	0.00	
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:-**

<b>Structure</b>				
<b>Description</b>	<b>Total Nos</b>	<b>Submitted</b>	<b>Approved</b>	<b>Balance</b>
<b>Box Underpass</b>	7	7	7	0.00
<b>LVUP</b>	4	4	4	0.00
<b>VUP</b>	5	5	5	0.00
<b>MNB</b>	13	13	13	0.00
<b>MJB</b>	2	2	2	0.00
<b>ROB</b>	2	2	2	0.00
<b>Box Culvert</b>	43	43	43	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 (%)	<b>16.50%</b>
Cumulative Physical Progress up to current month (%)	<b>21.79%</b>
Physical Progress during current month (%)	<b>5.29%</b>
Financial progress (%)	<b>8.00%</b>
Cumulative Expenditure against Financial till March Progress date (Rs Cr)	<b>44.33</b>
Cumulative Expenditure against Physical till Progress date (Rs Cr)	<b>120.77</b>
Test passed as % of total tests witnessed by AE	<b>8.00%</b>
Test passed as % of total tests conducted by AE	<b>8.00%</b>
Number of pending COS proposals	<b>0</b>
Amount for pending COS (Rs Cr)	<b>0</b>

**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**

<b>Project Name :-</b>	<b>Four Laning of Badarpur – Churaibari section of NH-37 &amp; 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)</b>						
<b>Authority :-</b>	<b>National Highways &amp; Infrastructure Development Corporation Limited</b>						
<b>Independent Engineer :-</b>	<b>M/s Agnitio Infrastructure Projects Pvt. Ltd. in JV with M/s Ayoleeza Consultants Pvt. Ltd.</b>						
<b>Concessionaire :-</b>	<b>MKC BADARPUR CHURAIBARI KAMAKHYA (PKG-4) HIGHWAYS PRIVATE LIMITED</b>						
<b>Bid Project Cost :-</b>	<b>5,54,16,00,000.00</b>						
<b>SCHEDULE - G</b>							
<b>Item</b>	<b>Stage for measurement of Physical Progress</b>	<b>Unit</b>	<b>Quantity</b>	<b>Unit Rate (INR)</b>	<b>Weightage in percentage to the contract Price</b>	<b>Physical progres Qty</b>	<b>Over All Physical Progress</b>
						<b>Qty</b>	
<b>Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads)</b>	<b>A - Widening and strengthening of existing road</b>						
	<b>(1) Earthwork upto top of Sub-grade</b>						
	(1.a) Earthwork upto 50% of Embankment Height	L-Km	18.68	1,15,00,668.22	3.88%	9.38	1.95%
	(1.b) Earthwork upto top of Embankment	L-Km	18.68	1,15,00,668.22	3.88%	8.50	1.76%
	(1.c) Earthwork upto top of Sub-grade	L-Km	18.68	57,50,334.11	1.94%	6.45	0.67%
	<b>(2) Granular work (Sub-base, base, shoulder)</b>						
	(a) R-GSB	L-Km	18.68	1,00,73,098.90	3.40%		-
	(b) R-WMM	L-Km	18.68	66,33,141.46	2.24%		-
	<b>(3) Shoulders</b>						
	(a) DBM	L-Km	18.68	8,00,757.34	0.27%		-
	<b>(4) Bituminous Work</b>						
	(a) DBM	L-Km	18.68	34,08,469.24	1.15%		-
	(b) BC	L-Km	18.68	21,22,782.62	0.72%		-
	<b>(7) Widening and repair of Minor Bridges</b>						
	(a) DBM	No.	6.00	43,86,794.28	0.47%		-
	<b>B- New Realignment/Bypass</b>						
	<b>(1) Earthwork upto top of Sub-grade</b>						
	(1.a) Earthwork upto 50% of Embankment Height	L-Km	28.16	2,33,05,805.73	11.84%	11.44	4.81%
	(1.b) Earthwork upto top of Embankment	L-Km	28.16	2,33,05,805.73	11.84%	10.53	4.43%
	(1.c) Earthwork upto top of Sub-grade	L-Km	28.16	1,16,52,902.87	5.92%	5.84	1.23%
	<b>(2) Granular work (sub- base, base, shoulders)</b>						
	(a) R-GSB	L-Km	28.16	1,05,89,777.32	5.38%		-
	(b) R-WMM	L-Km	28.16	65,93,042.18	3.35%		-
<b>(3) Shoulders</b>							
(a) DBM	L-Km	28.16	10,26,158.61	0.52%		-	
<b>(4) Bituminous work</b>							
(a) DBM	L-Km	28.16	33,37,717.24	1.70%		-	
(b) BC	L-Km	28.16	20,78,718.53	1.06%		-	

**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.**

<b>Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads)</b>	<b>C- New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:</b>					
	<b>(1) Culverts</b>	No.	86.00	32,45,592.34	5.04%	40.00 2.34%
	<b>(2) Minor bridges</b>					
	(a) Foundation	No.	33.00	47,77,010.13	2.84%	9.00 0.78%
	(b) Sub-structure	No.	33.00	28,08,051.17	1.67%	2.00 0.10%
	(c) Super-structure (including crash barriers etc. complete) <b>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.</b>					
	(i) Pre-cast girders/segments - Casting	No.	8.00	26,11,012.22	0.38%	-
	(ii) Deck Slab including crash barriers etc. complete	No.	25.00	12,53,285.87	0.57%	-
	<b>(5) Grade separated structures</b>					
	<b>(a) Underpasses</b>					
	(i) Foundation	No.	44.00	49,19,347.83	3.91%	14.00 1.24%
	(ii) Sub-structure	No.	44.00	19,88,786.84	1.58%	4.00 0.14%
	(iii) Super-structure (including crash barriers etc. complete) <b>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.</b>					
	(a) Pre-cast girders/segments - Casting	No.	12.00	24,34,804.50	0.53%	-
	(b) Deck Slab including crash barriers etc. complete	No.	32.00	13,69,577.53	0.79%	4.00 0.10%

**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.**

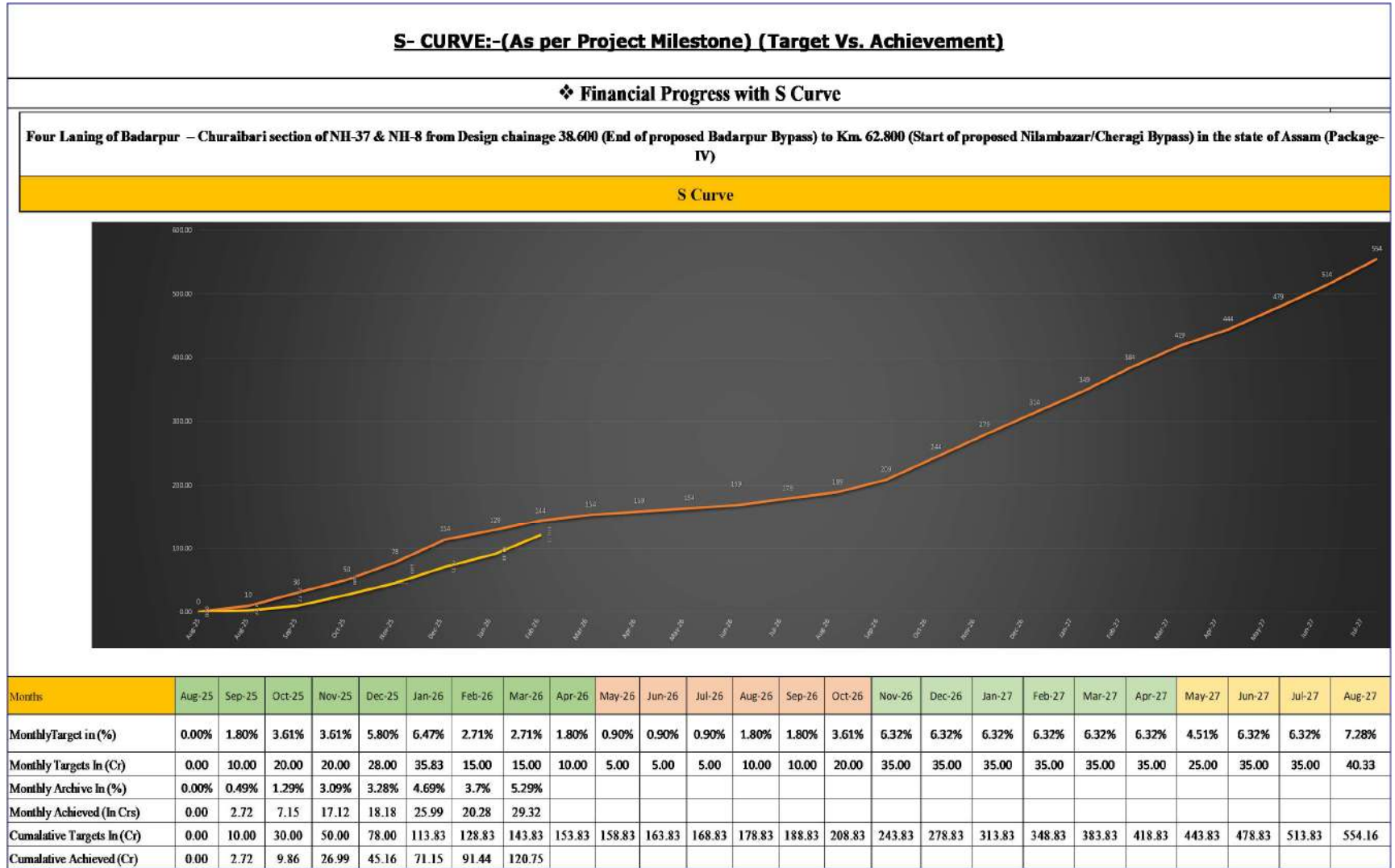
<b>Major Bridge works and ROB/RUB</b>	<b>A- Widening and repairs of Major Bridges</b>						
	<b>(1) Foundation</b>						
	(b) Pile Foundation/Well Foundation	No.	3.00	1,26,97,092.70	0.69%	3.00	0.69%
	<b>(2) Sub-structure</b>	No.	3.00	27,78,351.74	0.15%	2.00	0.10%
	<b>(3) Super-structure (including crash barriers 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.</b>						
	(a) Pre-cast girders/segments - Casting	No.	2.00	47,67,325.32	0.17%		-
	(b) Deck Slab including crash barriers etc. complete	No.	2.00	71,50,987.98	0.26%		-
	<b>B- Widening and repair of ROB</b>						
	<b>(a) ROB</b>						
	(1) Foundation	No.	4.00	1,78,87,787.65	1.29%		-
	(2) Sub-structure	No.	4.00	52,15,670.35	0.38%		-
	<b>(3) Super-structure (including crash barriers 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.</b>						
	(a) Pre-cast girders/segments - Casting	No.	3.00	12,64,851.97	0.07%		0.00%
	(b) Deck Slab including crash barriers etc. complete	No.	3.00	18,97,277.95	0.10%		0.00%
	<b>C- New Major Bridges</b>						
	<b>(1) Foundation</b>						
	(b) Pile Foundation/Well Foundation	No.	8.00	1,14,87,311.87	1.66%	6.00	1.24%
	(2) Sub-structure	No.	8.00	25,60,786.03	0.37%		-
	<b>(3) Super-structure (including crash barriers 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.</b>						
	(a) Pre-cast girders/segments - Casting	No.	6.00	23,95,808.14	0.26%	2.00	0.09%
	(b) Deck Slab including crash barriers etc. complete	No.	6.00	35,93,712.21	0.39%		-
	<b>D- New Rail road Bridges</b>						
	<b>(a) ROB</b>						
	(1) Foundation	Nos	8.00	1,72,80,617.22	2.49%		-
	(2) Sub-structure	No.	8.00	61,02,786.17	0.88%		-
	<b>(3) Super-structure (including crash barriers 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.</b>						
	(a) Pre-cast girders/segments - Casting	No.	6.00	18,77,606.31	0.20%		-
	(b) Deck Slab including crash barriers etc. complete	No.	6.00	28,16,409.47	0.30%		-

**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.**

Structures (elevated sections, 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 Block/Pannel Casting (5%)	Sqm	39840.00	49.41	0.04%		-
	ii) Re Block/Pannel Erection (95%)	Sqm	39840.00	938.82	0.67%		-
Electrical and Public Health Utilities	HT/LT lines (including Transformers if any)	Km	24.20	37,33,814.72	1.63%	-	-
	HT/LT crossings	No.	85.00	4,55,588.15	0.70%	-	-
	Water pipeline	L-Km	9.07	4,27,735.99	0.07%		-
	Water pipeline crossings	No.	11.00	1,51,068.57	0.03%		-
Other Works	(i) Service roads/ Slip Roads	L-Km	7.15	1,42,86,490.20	1.84%		-
	(ii) Toll Plaza	No.	1.00	1,64,65,387.74	0.30%		-
	(iii) Road side drains	L-Km	5.30	54,90,178.90	0.53%		-
	(iv) Road signs, markings, km stones, safety devices.						
	(a) Road signs, markings, km stones, ...	Km	24.20	8,23,896.60	0.36%		-
	(b) Concrete crash Barrier/W-Beam Crash Barrier in Road work	L-Km	34.27	26,29,461.89	1.63%		-
	(v) Project facilities						
	(a) Bus bays	No.	2.00	1,47,386.54	0.01%		-
	(c) Rest Area	No.	2.00	42,00,516.45	0.15%		-
	(viii) Protection Works						
	(a) Boulder Pitching on Slopes	L-Km	1.32	1,01,21,033.84	0.24%		-
	(b) Toe / Retaining / Breast wall	L-Km	6.51	2,27,99,351.25	2.68%	0.291	0.12%
	(x) Miscellaneous						
	(a) Street Lightning	No.	849.00	18,386.81	0.28%		-
	(b) Junction/Interchange	No.	45.00	5,47,883.05	0.44%		-
	(c) Precast Boundary Wall	L-Km	48.40	11,49,615.03	1.00%		-
(d) ATMS, HTMS, Traffic Aid Posts, Medical aid Posts, Vehicle Recue Posts, Telecom System	Km	24.20	14,07,380.09	0.61%		-	
(e) Rain Water Harvesting	No.	48.00	1,06,750.60	0.09%		-	
(f) Pedestrian Guardrails	L-Km	5.30	19,85,296.72	0.19%		-	
<b>GRAND TOTAL &gt;&gt;&gt;</b>					<b>100%</b>		<b>21.79%</b>

**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:**

LHS	Chainage	RHS						Chainage	LHS					
		C&G	Embankment	Sub-Grade	GSB	WMM	O		DBM	BC	DBM	WMM	GSB	Embankment
	38.600							38.610						
	38.610							38.620						
	38.620							38.630						
	38.630							38.640						
	38.640							38.650						
	38.650							38.660						
	38.660							38.670						
	38.670							38.680						
	38.680							38.690						
	38.690							38.700						
	38.700							38.710						
	38.710							38.720						
	38.720							38.730						
	38.730							38.740						
	38.740							38.750						
	38.750							38.760						
	38.760							38.770						
	38.770							38.780						
	38.780							38.790						
	38.790							38.800						
	38.800							38.810						
	38.810							38.820						
	38.820							38.830						
	38.830							38.840						
	38.840							38.850						
	38.850							38.860						
	38.860							38.870						
	38.870							38.880						
	38.880							38.890						
	38.890							38.900						
	38.900							38.910						
	38.910							38.920						
	38.920							38.930						
	38.930							38.940						
	38.940							38.950						
	38.950							38.960						
	38.960							38.970						
	38.970							38.980						
	38.980							38.990						
	38.990							39.000						
	39.000							39.010						
	39.010							39.020						
	39.020							39.030						
	39.030							39.040						
	39.040							39.050						
	39.050							39.060						
	39.060							39.070						
	39.070							39.080						
	39.080							39.090						
	39.090							39.100						
	39.100							39.110						
	39.110							39.120						
	39.120							39.130						
	39.130							39.140						
	39.140							39.150						
	39.150							39.160						
	39.160							39.170						
	39.170							39.180						
	39.180							39.190						
	39.190							39.200						
	39.200							39.210						
	39.210							39.220						
	39.220							39.230						
	39.230							39.240						
	39.240							39.250						
	39.250							39.260						
	39.260							39.270						
	39.270							39.280						
	39.280							39.290						
	39.290							39.300						
	39.300							39.310						
	39.310							39.320						
	39.320							39.330						
	39.330							39.340						
	39.340							39.350						
	39.350							39.360						
	39.360							39.370						
	39.370							39.380						
	39.380							39.390						
	39.390							39.400						
	39.400							39.410						
	39.410							39.420						
	39.420							39.430						
	39.430							39.440						
	39.440							39.450						
	39.450							39.460						
	39.460							39.470						
	39.470							39.480						
	39.480							39.490						
	39.490							39.500						
	39.500							39.510						
	39.510							39.520						
	39.520							39.530						
	39.530							39.540						
	39.540							39.550						
	39.550							39.560						
	39.560							39.570						
	39.570							39.580						
	39.580							39.590						
	39.590							39.600						

**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	Chainage	C&G	Embankment	Sub-Grade	GSB	WMM	0	DBM	BC	LHS	Chainage	C&G	Embankment	Sub-Grade	GSB	WMM	0	DBM	BC		
																				BC	DBM
	40+610										40+610										
	40+620										40+620										
	40+630										40+630										
	40+640										40+640										
	40+650										40+650										
	40+660										40+660										
	40+670										40+670										
	40+680										40+680										
	40+690										40+690										
	40+700										40+700										
	40+710										40+710										
	40+720										40+720										
	40+730										40+730										
	40+740										40+740										
	40+750										40+750										
	40+760										40+760										
	40+770										40+770										
	40+780										40+780										
	40+790										40+790										
	40+800										40+800										
	40+810										40+810										
	40+820										40+820										
	40+830										40+830										
	40+840										40+840										
	40+850										40+850										
	40+860										40+860										
	40+870										40+870										
	40+880										40+880										
	40+890										40+890										
	40+900										40+900										
	40+910										40+910										
	40+920										40+920										
	40+930										40+930										
	40+940										40+940										
	40+950										40+950										
	40+960										40+960										
	40+970										40+970										
	40+980										40+980										
	40+990										40+990										
	41+000										41+000										
	41+010										41+010										
	41+020										41+020										
	41+030										41+030										
	41+040										41+040										
	41+050										41+050										
	41+060										41+060										
	41+070										41+070										
	41+080										41+080										
	41+090										41+090										
	41+100										41+100										
	41+110										41+110										
	41+120										41+120										
	41+130										41+130										
	41+140										41+140										
	41+150										41+150										
	41+160										41+160										
	41+170										41+170										
	41+180										41+180										
	41+190										41+190										
	41+200										41+200										
	41+210										41+210										
	41+220										41+220										
	41+230										41+230										
	41+240										41+240										
	41+250										41+250										
	41+260										41+260										
	41+270										41+270										
	41+280										41+280										
	41+290										41+290										
	41+300										41+300										
	41+310										41+310										
	41+320										41+320										
	41+330										41+330										
	41+340										41+340										
	41+350										41+350										
	41+360										41+360										
	41+370										41+370										
	41+380										41+380										
	41+390										41+390										
	41+400										41+400										
	41+410										41+410										
	41+420										41+420										
	41+430										41+430										
	41+440										41+440										
	41+450										41+450										
	41+460										41+460										
	41+470										41+470										
	41+480										41+480										
	41+490										41+490										
	41+500										41+500										
	41+510										41+510										
	41+520										41+520										
	41+530										41+530										
	41+540										41+540										
	41+550										41+550										
	41+560										41+560										
	41+570										41+570										
	41+580										41+580										
	41+590										41+590										
	41+600										41+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	Chainage	RHS								
		C&G	Embankment	Sub-Grade	GSB	WMM	0	DBM	BC	
BC	42+610									
DBM	42+620									
WMM	42+630									
GSB	42+640									
Sub-Grade	42+650									
Embankment	42+660									
C&G	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									

LHS	Chainage	RHS								
		C&G	Embankment	Sub-Grade	GSB	WMM	0	DBM	BC	
BC	43+610									
DBM	43+620									
WMM	43+630									
GSB	43+640									
Sub-Grade	43+650									
Embankment	43+660									
C&G	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									
	44+230									
	44+240									
	44+250									
	44+260									
	44+270									
	44+280									
	44+290									
	44+300									
	44+310									
	44+320									
	44+330									
	44+340									
	44+350									
	44+360									
	44+370									
	44+380									
	44+390									
	44+400									
	44+410									
	44+420									
	44+430									
	44+440									
	44+450									
	44+460									
	44+470									
	44+480									
	44+490									
	44+500									
	44+510									
	44+520									
	44+530									
	44+540									
	44+550									
	44+560									
	44+570									
	44+580									
	44+590									
	44+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	Chainage	C&G	Embankment	Sub-Grade	GSB	WMM	O	DBM	BC
	46+610								
	46+620								
	46+630								
	46+640								
	46+650								
	46+660								
	46+670								
	46+680								
	46+690								
	46+700								
	46+710								
	46+720								
	46+730								
	46+740								
	46+750								
	46+760								
	46+770								
	46+780								
	46+790								
	46+800								
	46+810								
	46+820								
	46+830								
	46+840								
	46+850								
	46+860								
	46+870								
	46+880								
	46+890								
	46+900								
	46+910								
	46+920								
	46+930								
	46+940								
	46+950								
	46+960								
	46+970								
	46+980								
	46+990								
	47+000								
	47+010								
	47+020								
	47+030								
	47+040								
	47+050								
	47+060								
	47+070								
	47+080								
	47+090								
	47+100								
	47+110								
	47+120								
	47+130								
	47+140								
	47+150								
	47+160								
	47+170								
	47+180								
	47+190								
	47+200								
	47+210								
	47+220								
	47+230								
	47+240								
	47+250								
	47+260								
	47+270								
	47+280								
	47+290								
	47+300								
	47+310								
	47+320								
	47+330								
	47+340								
	47+350								
	47+360								
	47+370								
	47+380								
	47+390								
	47+400								
	47+410								
	47+420								
	47+430								
	47+440								
	47+450								
	47+460								
	47+470								
	47+480								
	47+490								
	47+500								
	47+510								
	47+520								
	47+530								
	47+540								
	47+550								
	47+560								
	47+570								
	47+580								
	47+590								
	47+600								
	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	Chainage	RHS						LHS						
		BC	DBM	WMM	GSB	Sub-Grade	Embankment	C&G	Embankment	Sub-Grade	GSB	WMM	DBM	BC
	52+610													
	52+620													
	52+630													
	52+640													
	52+650													
	52+660													
	52+670													
	52+680													
	52+690													
	52+700													
	52+710													
	52+720													
	52+730													
	52+740													
	52+750													
	52+760													
	52+770													
	52+780													
	52+790													
	52+800													
	52+810													
	52+820													
	52+830													
	52+840													
	52+850													
	52+860													
	52+870													
	52+880													
	52+890													
	52+900													
	52+910													
	52+920													
	52+930													
	52+940													
	52+950													
	52+960													
	52+970													
	52+980													
	52+990													
	53+000													
	53+010													
	53+020													
	53+030													
	53+040													
	53+050													
	53+060													
	53+070													
	53+080													
	53+090													
	53+100													
	53+110													
	53+120													
	53+130													
	53+140													
	53+150													
	53+160													
	53+170													
	53+180													
	53+190													
	53+200													
	53+210													
	53+220													
	53+230													
	53+240													
	53+250													
	53+260													
	53+270													
	53+280													
	53+290													
	53+300													
	53+310													
	53+320													
	53+330													
	53+340													
	53+350													
	53+360													
	53+370													
	53+380													
	53+390													
	53+400													
	53+410													
	53+420													
	53+430													
	53+440													
	53+450													
	53+460													
	53+470													
	53+480													
	53+490													
	53+500													
	53+510													
	53+520													
	53+530													
	53+540													
	53+550													
	53+560													
	53+570													
	53+580													
	53+590													
	53+600													

LHS	Chainage	RHS						LHS						
		BC	DBM	WMM	GSB	Sub-Grade	Embankment	C&G	Embankment	Sub-Grade	GSB	WMM	DBM	BC
	53+610													
	53+620													
	53+630													
	53+640													
	53+650													
	53+660													
	53+670													
	53+680													
	53+690													
	53+700													
	53+710													
	53+720													
	53+730													
	53+740													
	53+750													
	53+760													
	53+770													
	53+780													
	53+790													
	53+800													
	53+810													
	53+820													
	53+830													
	53+840													
	53+850													
	53+860													
	53+870													
	53+880													
	53+890													
	53+900													
	53+910													
	53+920													
	53+930													
	53+940													
	53+950													
	53+960													
	53+970													
	53+980													
	53+990													
	54+000													
	54+010													
	54+020													
	54+030													
	54+040													
	54+050													
	54+060													
	54+070													
	54+080													
	54+090													
	54+100													
	54+110													
	54+120													



**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	Chainage	LHS						Chainage	RHS									
		C&G	Embankment	Sub-Grade	GSB	WMM	O		DBM	BC	C&G	Embankment	Sub-Grade	GSB	WMM	O	DBM	BC
	56+610							56+610										
	56+620							56+620										
	56+630							56+630										
	56+640							56+640										
	56+650							56+650										
	56+660							56+660										
	56+670							56+670										
	56+680							56+680										
	56+690							56+690										
	56+700							56+700										
	56+710							56+710										
	56+720							56+720										
	56+730							56+730										
	56+740							56+740										
	56+750							56+750										
	56+760							56+760										
	56+770							56+770										
	56+780							56+780										
	56+790							56+790										
	56+800							56+800										
	56+810							56+810										
	56+820							56+820										
	56+830							56+830										
	56+840							56+840										
	56+850							56+850										
	56+860							56+860										
	56+870							56+870										
	56+880							56+880										
	56+890							56+890										
	56+900							56+900										
	56+910							56+910										
	56+920							56+920										
	56+930							56+930										
	56+940							56+940										
	56+950							56+950										
	56+960							56+960										
	56+970							56+970										
	56+980							56+980										
	56+990							56+990										
	57+000							57+000										
	57+010							57+010										
	57+020							57+020										
	57+030							57+030										
	57+040							57+040										
	57+050							57+050										
	57+060							57+060										
	57+070							57+070										
	57+080							57+080										
	57+090							57+090										
	57+100							57+100										
	57+110							57+110										
	57+120							57+120										
	57+130							57+130										
	57+140							57+140										
	57+150							57+150										
	57+160							57+160										
	57+170							57+170										
	57+180							57+180										
	57+190							57+190										
	57+200							57+200										
	57+210							57+210										
	57+220							57+220										
	57+230							57+230										
	57+240							57+240										
	57+250							57+250										
	57+260							57+260										
	57+270							57+270										
	57+280							57+280										
	57+290							57+290										
	57+300							57+300										
	57+310							57+310										
	57+320							57+320										
	57+330							57+330										
	57+340							57+340										
	57+350							57+350										
	57+360							57+360										
	57+370							57+370										
	57+380							57+380										
	57+390							57+390										
	57+400							57+400										
	57+410							57+410										
	57+420							57+420										
	57+430							57+430										
	57+440							57+440										
	57+450							57+450										
	57+460							57+460										
	57+470							57+470										
	57+480							57+480										
	57+490							57+490										
	57+500							57+500										
	57+510							57+510										
	57+520							57+520										
	57+530							57+530										
	57+540							57+540										
	57+550							57+550										
	57+560							57+560										
	57+570							57+570										
	57+580							57+580										
	57+590							57+590										
	57+600							57+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	Chainage	LHS							RHS							
		BC	DBM	WMM	GSB	Sub-Grade	Embankment	C&G	BC	DBM	0	WMM	GSB	Sub-Grade	Embankment	C&G
	60+610															
	60+620															
	60+630															
	60+640															
	60+650															
	60+660															
	60+670															
	60+680															
	60+690															
	60+700															
	60+710															
	60+720															
	60+730															
	60+740															
	60+750															
	60+760															
	60+770															
	60+780															
	60+790															
	60+800															
	60+810															
	60+820															
	60+830															
	60+840															
	60+850															
	60+860															
	60+870															
	60+880															
	60+890															
	60+900															
	60+910															
	60+920															
	60+930															
	60+940															
	60+950															
	60+960															
	60+970															
	60+980															
	60+990															
	61+000															
	61+010															
	61+020															
	61+030															
	61+040															
	61+050															
	61+060															
	61+070															
	61+080															
	61+090															
	61+100															
	61+110															
	61+120															
	61+130															
	61+140															
	61+150															
	61+160															
	61+170															
	61+180															
	61+190															
	61+200															
	61+210															
	61+220															
	61+230															
	61+240															
	61+250															
	61+260															
	61+270															
	61+280															
	61+290															
	61+300															
	61+310															
	61+320															
	61+330															
	61+340															
	61+350															
	61+360															
	61+370															
	61+380															
	61+390															
	61+400															
	61+410															
	61+420															
	61+430															
	61+440															
	61+450															
	61+460															
	61+470															
	61+480															
	61+490															
	61+500															
	61+510															
	61+520															
	61+530															
	61+540															
	61+550															
	61+560															
	61+570															
	61+580															
	61+590															
	61+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.**

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

**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 Underpass**

Box Underpass																										
SN	LHS											BUP 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	39+123	A1												
												A2		A2												
2												A1	39+360	A1												
												A2		A2												
3												A1	43+430	A1												
												A2		A2												
4												A1	51+725	A1												
												A2		A2												
5												A1	42+165	A1												
												A2		A2												

**9.5.2 Status of Minor Bridge**

Minor Bridge																										
SN	LHS											Minor Bridge Chainage														
	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	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											

**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 Major Bridge**

SN	LHS										RHS																
	Miscellaneous Item	Crash Barrier	Approach Slab	Desk Slab	RCC Girder	Dirt Wall	Pier Cap	Pier Shaft	Pile Cap	Pile	Layout & Excavation	Span	Span	Layout & Excavation	Pile	Pile Cap	Pier Shaft	Pier Cap	Dirt Wall	RCC Girder	Desk Slab	Approach Slab	Crash Barrier	Miscellaneous Item			
1												48+557	A1														
													P1														
													P2														
													A2														
2												54+460	A1	Existing													
											P1																
											A2																

**9.5.3 Status of Vehicle Underpass**

SN	LHS										VUP Chainage	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	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												40+522	A1													
													A2													
2												52+750	A1													
													A2													
3												54+117	A1													
													A2													
4												55+046	A1													
													A2													
5												59+983	A1													
													A2													

**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 Light Vehicle 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	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	41+468	A1												
											A2	LVUP	A2												
2											A1	42+811	A1												
											A2	LVUP	A2												
3											A1	46+878	A1												
											A2	LVUP	A2												
4											A1	50+858	A1												
											A2	LVUP	A2												

**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	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																									
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.**

**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<sup>st</sup> January, 2026 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.

**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.**

**10.3.4 Status of materials source approval & Mix Design**

<b>Cement</b>				
<b>Sr. No.</b>	<b>Brand Name</b>	<b>Letter No.</b>	<b>Status</b>	<b>IE Letter No.</b>
1.	Dalmia Cement	MKCIL/ASSA M/PKG-04/192	Approved	AIPPL- AYOLEEZA/IE/NHIDCL/Karimganj/Pkg-04/037
2.	Max Cement	MKCIL/ASSA M/PKG-04/199	Approved	AIPPL- AYOLEEZA/IE/NHIDCL/Karimganj/Pkg-04/039
3.	Star Cement	MKCIL/ASSA M/PKG-04/198	Approved	AIPPL- AYOLEEZA/IE/NHIDCL/Karimganj/Pkg-04/038

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

<b>Admixture</b>				
<b>Sr. No.</b>	<b>Brand Name</b>	<b>Letter No.</b>	<b>Status</b>	<b>IE Letter No.</b>
1.	Berger Paints Pvt. Ltd.	MKCIL/ASSAM/PKG- 04/200	Approved	AIPPL- AYOLEEZA/IE/NHIDCL/Karimganj/Pkg- 04/045
2.	CHRYSO India Pvt. Ltd	MKCIL/ASSAM/PKG- 04/201	Approved	AIPPL- AYOLEEZA/IE/NHIDCL/Karimganj/Pkg- 04/042
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
6.	TP Buildtech Limited	MKCIL/Assam/Pkg- 4/400	Approved	AIPPL- AYOLEEZA/IE/NHIDCL/Karimganj/Pkg- 04/168

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7.	HEXATRON INDUSTRIES LIMITED	MKCIL/Assam/Pkg-4/403	Approved	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/Pkg-04/169
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**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	Bearing	MKCIL/ASSAM/PKG-04/333		

**Lab Mix Design & Other**




Sr. No.	Grade Of Concrete	Submission Letter No.	Status	Approval IE Letter No.
1.	M-10 PCC	MKCIL/Assam/Pkg-4/475	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/475
2.	M-15 PCC	MKCIL/Assam/Pkg-4/337	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/124
3.	M-20PCC	MKCIL/Assam/Pkg-4/475	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/475
4.	M-20RCC	MKCIL/Assam/Pkg-4/475	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/475
5.	M-25RCC	MKCIL/Assam/Pkg-4/599	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/251
5.	M-30 RCC	MKCIL/Assam/Pkg-4/337	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/124
6.	M-35 RCC	MKCIL/Assam/Pkg-4/465	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/201
7.	M-35 Pile	MKCIL/Assam/Pkg-4/418	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/173
8.	M-40 RCC	MKCIL/Assam/Pkg-4/465	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/201
9.	M-40 Pile	MKCIL/Assam/Pkg-4/465	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/212

**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.**

10	M-45 RCC	MKCIL/ASSAM/PKG- 04/599	Approved	AIPPL-AY0LEEZA/IE/NHIDCL/Karimganj/PKG04/251
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**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 Laboratory Report**

  																	
Name of the Project	:- Four Laning of Badarpur - Churaibari Section of NH-37 & NH-8 from Design chainage 38.600(End of proposed Badarpur Bypass) to Km.62800 (Start of proposed Nilambazar/Cheragi Bypass)in the state of Assam (Package-iv)																
Client	:- National Highways & Infrastructure Development Corporation Limited																
Independent Engineer	:-Agnitio Infrastructure Projects Private Limited(AIPPL)																
Contractor	:-MKC Infrastructure Ltd																
Concessionaire	:-MKC Badarpur Churaibari Kamakhya Highways Private Limited																
<b>Monthly Progress Report month of March-2026</b>																	
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		
<b>LAB &amp; FIELD TESTS</b>																	
<b>(I) OGL samples</b>		<b>MORTH 305</b>															
1.1	Free Swell Index (FSI)	IS: 2720 (P-40)	1 test / every 250 m interval	194	194	0	0	0	0	194	194	0	20	20	0	10.31	
1.2	Grain size analysis	IS: 2720 (P-4)	1 test / every 250 m interval	194	194	0	0	0	0	194	194	0	20	20	0	10.31	
1.3	Atterberg limits (LL & PI)	IS: 2720 (P-5)	1 test / every 250 m interval	194	194	0	0	0	0	194	194	0	20	20	0	10.31	
1.4	Proctor test (MDD Vs OMC)	IS: 2720 (P-8)	1 test / every 250 m interval	194	194	0	0	0	0	194	194	0	20	20	0	10.31	
1.5	4 days soaked CBR	IS: 2720 (P-16)	as required	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
<b>(II) Borrow area samples</b>		<b>MORTH 305</b>															
2.1	Free Swell Index (FSI)	IS: 2720 (P-40)	2 test / 3000 m3	422	422	0	36	36	0	458	458	0	48	48	0	10.48	
2.2	Grain size analysis	IS: 2720 (P-4)	2 tests / 3000 m3	422	422	0	36	36	0	458	458	0	48	48	0	10.48	
2.3	Atterberg limits (LL & PI)	IS: 2720 (P-5)	2 tests / 3000 m3	422	422	0	36	36	0	458	458	0	48	48	0	10.48	
2.4	Proctor test (MDD Vs OMC)	IS: 2720 (P-8)	2 tests / 3000 m3	422	422	0	36	36	0	458	458	0	48	48	0	10.48	
2.5	CBR	IS: 2720 (P-16)	One Set of three specimen tests: As required by Engineer	100	100	0	18	18	0	118	118	0	14	14	0	11.86	
2.6	Soluble sulphate content	IS: 2720 (P-16)	1 test / 3000 m3	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
<b>(III) Field Density Tests</b>		<b>MORTH 305</b>															
3.1	Field density test on OGL	IS: 2720 (P-28)	1 set of tests / 3000m2	68	68	0	0	0	0	68	68	1	7	7	0	10.29	
3.2	Field density test on Emb.	IS: 2720 (P-28)	1 set of tests / 3000m2	310	310	10	21	21	0	331	331	2	40	40	0	12.08	
3.3	Field density test on Subgrade	IS: 2720 (P-28)	1 set of tests / 2000 m2	12	11	1	9	9	0	21	20	0	3	3	0	15.00	
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 All.	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														
<b>(IV) Coarse Agg. for Concrete</b>		<b>MORTH 1000</b>															
4.1	Gradation	IS: 2386 (P-1)	1 test / day	119	119	0	30	30	0	149	149	0	18	18	0	12.08	
4.2	FI & EI	IS: 2386 (P-1)	1 test for source / month	15	15	0	4	4	0	19	19	0	2	2	0	10.53	
4.3	Aggregate Impact Value	IS: 2386 (P-4)	1 test for source / month	22	22	0	4	4	0	26	26	0	3	3	0	11.54	
4.4	Specific Gravity	IS: 2386 (P-3)	1 test for source / month	5	5	0	0	0	0	5	5	0	0	0	0	0.00	
4.5	Water Absorption	IS: 2386 (P-3)	1 test for source / month	5	5	0	0	0	0	5	5	0	0	0	0	0.00	
4.6	Deleterious Content	IS: 2386 (P-1)	1 test / Source	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
4.7	Moisture correction	IS: 2386 (P-3)	1 test / Day	91	91	0	30	30	0	121	121	0	15	15	0	12.40	
<b>(V) Fine Agg. for Concrete</b>		<b>0</b>															
5.1	Gradation	IS: 383	1 test / day	119	119	0	30	30	0	149	149	0	15	15	0	10.07	
5.2	Specific Gravity	IS: 2386 (P-3)	1 test for source / month	5	5	0	0	0	0	5	5	0	0	0	0	0.00	
5.3	Water Absorption	IS: 2720 (P-3)	1 test for source / month	5	5	0	0	0	0	5	5	0	0	0	0	0.00	
5.4	Silt Content	IS: 383	1 test / day	66	66	3	30	30	0	96	96	3	10	10	0	10.42	
5.5	Moisture correction	IS: 2386 (P-3)	1 test / day	119	119	0	30	30	0	149	149	0	16	16	0	10.74	

**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.**

<b>(VI) Site Concrete Cube Compressive strength Tests</b>																
<b>For M 10 Grade</b>																
5.6	for 7 days		for 7 days	8	8	0	11	11	0	19	19	0	2	2	0	10.5
5.8	for 28 days		for 28 days	4	4	0	20	20	0	24	24	0	3	3	0	12.5
<b>For M 15 Grade</b>																
6.1	for 7 days	IS: 516	for 7 days	51	51	0	19	19	0	70	70	0	8	8	0	11.43
6.2	for 28 days	IS: 516	for 28 days	50	50	0	34	34	0	84	84	0	10	10	0	11.90
<b>For M 20 Grade</b>																
6.3	for 7 days	IS: 516	for 7 days													
6.4	for 28 days	IS: 516	for 28 days													
<b>For M 20 Grade for KERB</b>																
6.5	for 7 days	IS: 516	for 7 days													
6.6	for 28 days	IS: 516	for 28 days													
<b>For M 25 Grade</b>																
6.7	for 7 days	IS: 516	for 7 days	3	3	0	5	5	0	8	8	0	0	0	0	0.00
6.8	for 28 days	IS: 516	for 28 days	0	0	0	5	5	0	5	5	0	0	0	0	0.00
<b>For M 30 Grade</b>																
6.9	for 7 days	IS: 516	for 7 days	146	146	0	55	55	0	201	201	0	22	22	0	10.95
6.10	for 28 days	IS: 516	for 28 days	148	148	0	158	158	0	306	306	0	35	35	0	11.44
<b>For M 35 Grade</b>																
6.11	for 7 days	IS: 516	for 7 days	4	4	0	0	0	0	4	4	0	1	1	0	25.00
6.12	for 28 days	IS: 516	for 28 days	3	3	0	11	11	0	14	14	0	2	2	0	14.29
<b>For M 35 Pile</b>																
6.13	for 7 days	IS: 516	for 7 days	12	12	0	1	1	0	13	13	0	2	2	0	15.38
6.14	for 28 days	IS: 516	for 28 days	10	10	0	14	14	0	24	24	0	2	2	0	8.33
<b>For M 40 Pile Grade</b>																
6.15	for 7 days	IS: 516	for 7 days	48	48	0	10	10	0	58	58	0	8	8	0	13.79
6.16	for 28 days	IS: 516	for 28 days	38	38	0	129	129	0	167	167	0	18	18	0	10.78
<b>For M 40 RCC Grade</b>																
6.17	for 7 days	IS: 516	for 7 days	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6.18	for 28 days	IS: 516	for 28 days	3	3	0	13	13	0	16	16	0	0	0	0	0.00
<b>For M 45 Grade</b>																
6.19	for 7 days	IS: 516	for 7 days	1	1	0	1	1	0	2	2	0	0	0	0	0.00
6.2	for 28 days	IS: 516	for 28 days	0	0	0	1	1	0	1	1	0	0	0	0	0.00
<b>For M 55 PSC Grade</b>																
6.21	for 7 days	IS: 516	for 7 days	0	0	0	6	6	0	6	6	0	0	0	0	0.00
6.22	for 28 days	IS: 516	for 28 days	0	0	0	4	4	0	4	4	0	0	0	0	0.00
<b>For Grouting of PSC Girders</b>																
6.21	for 7 days	MORTH	for 7 days													
6.22	for 28 days	MORTH	for 28 days													
<b>(VII) Cement tests</b>																
7.1	Fineness of cement	IS: 4031 (P-1)	1 test /lot of cement	11	11	0	4	4	0	15	15	0	2	2	0	13.33
7.2	Normal consistency	IS: 4031 (P-4)	1 test /lot of cement	11	11	0	4	4	0	15	15	0	2	2	0	13.33
7.3	Initial, final setting times	IS: 4031 (P-5)	1 test /lot of cement	11	11	0	4	4	0	15	15	0	2	2	0	13.33
7.4	Compressive strength - 03 days	IS: 516	for 3 days	16	16	0	4	4	0	20	20	0	2	2	0	10.00
7.5	- 7 days	"	for 7 days	13	13	0	4	4	0	17	17	0	2	2	0	11.76
7.6	- 28 days	"	for 28 days	24	24	0	4	4	0	28	28	0	3	3	0	10.71
<b>(VIII) SUB-BASE (GSB)</b>																
<b>MORTH 401</b>																
8.1	Gradation	Table 400-2	1 test /400 m3	0	0	0	6	6	0	6	6	0	1	1	0	16.67
8.2	Atterberg limits (LL & PI)	IS: 2720 (P-5)	1 test /400 m3	0	0	0	4	4	0	4	4	0	1	1	0	25.00
8.3	4 days soaked CBR	IS: 2720 (P-16)	1 test per source & as required	0	0	0	1	1	0	1	1	0	0	0	0	0.00
8.4	Water Absorption	IS: 2720 (P-3)	1 test per source & as required	0	0	0	1	1	0	1	1	0	0	0	0	0.00
8.5	AIV	IS: 2386 (P-4)	1 test per source & as required	0	0	0	1	1	0	1	1	0	1	1	0	100.00
8.6	Proctor test (MDD Vs OMC)	IS: 2720 (P-8)	1 test per source & as required	0	0	0	1	1	0	1	1	0	0	0	0	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.**

<b>(IX) BASE (WMM)</b>		<b>MORTH 406</b>													
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												
<b>(X) DRY LEAN CONCRETE</b>		<b>MORTH 600</b>													
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												
<b>(XI) PAVEMENT QUALITY</b>		<b>MORTH 600</b>													
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												
<b>(XII) DENSE BITUMINOUS MACADAM (DBM)</b>															
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)	ASTMD 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												



**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-11  
CORRESPONDENCE**

**11.1 Outward Letter**

<b>Sr. No.</b>	<b>Letter No.</b>	<b>Date</b>	<b>Subject</b>	<b>To</b>
1.	MKCIL/ASSAM/P KG-04/578	03-03-2026	Refutation of Notice for Short-Term Maintenance Works at Risk & Cost of the Concessionaire – Reg.	"Regional Office (R.O.) NHIDCL
2.	MKCIL/ASSAM/P KG-04/579	03-03-2026	"Notification for delay in providing ROW at Km.40+400 to 42+000 near ROB Ch.40+978".	The Team Leader"
3.	MKCIL/ASSAM/P KG-04/582	06-03-2026	Reg: Submission of Monthly Progress Report for the Month of February 2026.	NHIDCL, PMU- Karimganj
4.	MKCIL/ASSAM/P KG-04/585	09-03-2026	Regarding Submissin Hard Copy Of Bar Bending Schedule BBS.	The Team Leader
5.	MKCIL/ASSAM/P KG-04/586	09-03-2026	"Obstruction by Local Public -Hindrance to highway Constrction Work From Chainage 42+800 to 48+000"	" GM
6.	MKCIL/ASSAM/P KG-04/587	09-03-2026	"Obstruction by Local Public And Request for immediate intervention -Chainage 40+978(ROB) and 48+557 ( MJB )	NHIDCL"
7.	MKCIL/ASSAM/P KG-04/590	10-03-2026	Clarification/Compliance regarding Third-Party Testing of Steel, Borrow Area Soil Approval and SPT Test Reports – Reg	The Team Leader
8.	MKCIL/ASSAM/P KG-04/592	11-03-2026	Regarding Submission of Revised Design and Drawing of MNB at Ch. 49+807 (1x6)	The Team Leader
9.	MKCIL/ASSAM/P KG-04/593	11-03-2026	Regarding Submission of test results for Borrow area No 04 for source approval	The Team Leader
10.	MKCIL/ASSAM/P KG-04/594	11-03-2026	Regarding Submission of Concrete mix design of Grade- M-55 PSC (Third Party) for Final approval	The Team Leader
11.	MKCIL/ASSAM/P KG-04/595	11-03-2026	Regarding Submission of Concrete mix design of Grade- M-50 RCC (Third Party) for Final approval	The Team Leader
12.	MKCIL/ASSAM/P KG-04/596	11-03-2026	Regarding Submission of Revised Design and Drawings for Foundation & Sub Structure (A1 & A2) Highway Span for ROB at Ch. 53+328	The Team Leader
13.	MKCIL/ASSAM/P KG-04/599	13-03-2026	Regarding Submission of Concrete mix design of Grade- M25 RCC & M45 RCC Grade for approval	The Team Leader
14.	MKCIL/ASSAM/P KG-04/600	13-03-2026	Regarding Submission of test results for Borrow area No 07 (Extention-01) for source approval	The Team Leader
15.	MKCIL/ASSAM/P KG-04/605	17-03-2026	Change of Location of Culvert 50+471 [1x5] on Public Demand – Intimation	The Team Leader

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16.	MKCIL/ASSAM/P KG-04/607	19-03-2026	Reg: - Intimation for Road maintenance work on routine basis	The Team Leader
17.	MKCIL/ASSAM/P KG-04/608	19-03-2026	Request to provide permission through APDCL for Transformer Installation with All Electrical Items by Third Party Supply	The Team Leader
18.	MKCIL/ASSAM/P KG-04/609	19-03-2026	Notifying of the Force Majeure events u/d clause 28.5 Duty to Report Force Majeure Event of the Concession Agreement	The Team Leader
19.	MKCIL/ASSAM/P KG-04/611	20-03-2026	Regarding Submission of test results for Borrow area No 01 (extension-02) for source approval	The Team Leader
20.	MKCIL/ASSAM/P KG-04/614	23-03-2026	"Re-Submission of Payment Milestone -II	The Team Leader
21.	MKCIL/ASSAM/P KG-04/617	26-03-2026	Reg: "Engagement of TPIA (ThirdParty Inspection Agency) for Welding and NDT for ROB CH.40+978 /Railway Km.176+150 & ROB CH.53+328 /Railway Km.2+07".	The Team Leader
22.	MKCIL/ASSAM/P KG-04/620	27-03-2026	Regarding Submission of test results for Borrow area No 05 for source approval	The Team Leader
23.	MKCIL/ASSAM/P KG-04/621	27-03-2026	Submissin Of Company profile and Credentilas of Maithan steel for approval	The Team Leader
24.	MKCIL/ASSAM/P KG-04/622	27-03-2026	Submissin Of Company profile and Credentilas of Amit Metalics for approval	The Team Leader
25.	MKCIL/ASSAM/P KG-04/627	28-03-2026	Request for Grant of Priority Status and Issuance of Necessary Directions for Ensuring Uninterrupted Supply of Diesel, Petrol and LPG for Project Execution.	The Team Leader

**11.2 Inward Letter (NHIDCL & AIPPL)**

Sr. No.	Letter No.	Date	Subject	From
1.	NHIDCL/PMU-Karimganj/MKC/Pkg-4/2026-27/642	06-03-2026	COS Notice for Change of Service Road Composition	NHIDCL
2.	NHIDCL/PMU-Karimganj/MKC/Pkg-4/2026-27/675	25-03-2026	Mobilisation Of Intermittent staff at the respective project site -reg	NHIDCL
3.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/240	05.03.2026	"Regarding - Reply to your compliance regarding Non-Satisfactory Borehole Cleaning	AIPPL
4.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/241	06.03.2026	& Flushing with Bentonite Slurry during Pile Concreting (as per MoRTH Specifications)"	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.**

6.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/242	06-03-2026	Submission of Permission-wise Utilization and Reconciliation of Approved Borrow Areas for Earthwork – reg.	AIPPL
7.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/243	07-03-2026	COS Notice for Change of Service Road composition reg.	AIPPL
8.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/244	07-03-2026	Forwarding of Reviewed Documents for ROB at Km 40+981 & Km 53+328	AIPPL
9.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/245	09-03-2026	"Regarding - Non-Compliance regarding third party testing of SEL Tiger Steel Structural	AIPPL
10.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/248	10.03.2026	and execution of soil dumping work from unapproved borrow area and Standard penetration test.	AIPPL
11.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/249	10.02.2026	Observation of GM(P) During his site visit on dated 02.03.2026"	AIPPL
12.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/250	10.02.2026	Regarding - Monthly Progress Reports for the month of February 2026.	AIPPL
13.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/252	25.03.2026	Review and Approval of Borrow area No 07 (Extension-01) for Embankment and Subgrade	AIPPL
15.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/253	25.03.2026	Review and Approval of Borrow area No 01 (Extension-02) for Embankment and Subgrade	AIPPL
17.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/254	25.03.2026	Final Approval of Concrete Mix Design M-55 PSC (Third Party)-Grade of Concrete.	AIPPL
18.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/256	25.03.2026	Approval of Concrete mix Design M-50 RCC (Third Party)- Grade of Concrete	AIPPL
19.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/258	27.03.2026	Regarding Submission of Revised Design and Drawing of MNB at Ch. 49+807 (1x6)	AIPPL
20.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/259	27.03.2026	Engagement of TPIA (Third-Party Inspection Agency) for Welding and NDT for ROB CH.40+978 /Railway Km.176+150 & ROB CH.53+328 /Railway Km.2+07	AIPPL
21.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/260	28.03.2026	Reminder for submission of Chainage Wise Details of Cutting & Filling Quantity of Approved and to be Approved PNP and Verification of FRL-reg	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.**

22.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/263	30.03.2026	Regarding Conditional Approval for Source Approval of Macca Ferri Geogrid / Geocomposite Material	AIPPL
23.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/264	30.03.2026	Regarding Review and Approval of Borrow area No 04 for Embankment	AIPPL
24.	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/265	30.03.2026	Regarding Review and Approval of Borrow area No 05 for Embankment	AIPPL

**CHAPTER-12**

**NON-CONFORMANCE REPORT**

Sr No	Letter No	Date	Clouser Letter No	Remarks
1	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/183	02.01.2026	MKCIL/Assam/Pkg-4/568 Dated 25.02.2026	Closed
2	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/184	03.01.2026	MKCIL/Assam/Pkg-4/548 Dated 19.02.2026	Closed
3	Assam-04 Letter File\Assam-04 AIPPL File\Letter No-207-pdf	30.01.2026	MKCIL/Assam/Pkg-4/569 Dated 25.02.2026	Closed
4	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/215	04.02.2026	MKCIL/Assam/Pkg-4/515 Dated 07.02.2026	Closed
5	AIPPL-AYOLEEZA/IE/NHIDCL/Karimganj/PKG04/221	10.02.2026	(Reg: - Non-Compliance in Embankment Construction at CH-45+000 to 45+500 (BHS) & CH-47+400 to 47+900 (BHS)	Pending

**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**



Name of the Project :	Four Laning of Badarpur - Churaibari Section of NH-37 & NH-8 from Design
Client :	National Highway & Infrastructure Development Corporation Limited
Independent Engineer :	Agnitio Infrastructure Project Private Limited(AIPPL)
Contractor :	MKC Infrastructure Limited
Concessionaire:	MKC Badarpur Churaibari Kamakhya Highway Limited

**WEATHER REPORT MONTH OF March- 2026**

SI No	Date	Weather condition	Rain fall(mm)	Temperature(°C)		Humidity(%)		Remarks
				Min.	Max.	Min.	Max.	
1	01-03-2026	Cloudy/Rainy	1	16.9	30.2	54	83	
2	02-03-2026	Sunny	0	17.6	31.1	52	84	
3	03-03-2026	Sunny	0	17.8	32.5	48	80	
4	04-03-2026	Sunny	0	18.2	33.2	46	78	
5	05-03-2026	Sunny	0	18.6	32.4	48	80	
6	06-03-2026	Sunny	0	17.9	33.2	49	79	
7	07-03-2026	Sunny	0	18.2	32.6	52	82	
8	08-03-2026	Sunny	0	18.6	33.1	49	79	
9	09-03-2026	Sunny/Cloudy	0	17.8	32.6	51	81	
10	10-03-2026	Sunny	0	18.2	31.3	49	79	
11	11-03-2026	Sunny/Cloudy	0	17.6	30.8	52	81	
12	12-03-2026	Cloudy/Rainy	56.4	16.8	29.7	48	79	
13	13-03-2026	Cloudy/Rainy	25.6	16.4	25.4	61	93	
14	14-03-2026	Cloudy/Rainy	90.0	18.0	24.6	60	94	
15	15-03-2026	Cloudy/Rainy	135.6	16.5	24.4	62	95	
16	16-03-2026	Cloudy/Rainy	45.8	16.4	24.2	66	95	
17	17-03-2026	Sunny/Cloudy	0	18.6	29.5	54	82	
18	18-03-2026	Sunny/Cloudy	0	19.8	32.4	52	84	
19	19-03-2026	Sunny	0	18.6	30.4	55	87	
20	20-03-2026	Sunny	0	19.4	31.8	53	89	
21	21-03-2026	Cloudy/Rainy	25.6	17.5	30.2	56	92	
22	22-03-2026	Sunny/Cloudy	0	18.4	29.6	55	88	
23	23-03-2026	Sunny/Cloudy	0	19.2	32.8	53	87	
24	24-03-2026	Sunny/Cloudy	5.0	19.6	31.6	51	88	
25	25-03-2026	Sunny	0	19.8	33.2	48	80	
26	26-03-2026	Sunny	0	19.7	33.4	49	82	
27	27-03-2026	Cloudy/Rainy	43.6	17.5	32.4	55	86	
28	28-03-2026	Sunny/Cloudy	0	16.2	28.8	63	89	
29	29-03-2026	Cloudy/Rainy	26.6	15.8	28.2	66	91	
30	30-03-2026	Cloudy/Rainy	42.5	16.6	29.0	64	92	
31	31-03-2026	Sunny/Cloudy	0	18.2	32.5	54	84	

**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.**

Rainfall Data				
Sr.no.	Description	Total Rainfall	Up to previous month	This month
1	Rainfall	1,670.60	1,670.60	00.00

The maximum & minimum weather records are summarized below:

TEMPERATURE/ RAINFALL PERIOD: 1 <sup>st</sup> March, 2026 to 31 <sup>st</sup> MARCH, 2026				
Temperature		Rainfall		
Maximum (in <sup>0</sup> C)	Minimum (in <sup>0</sup> C)	Maximum (in mm)	Minimum (in mm)	Total Days
33.4	15.8	135	0	0

**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-16  
PROJECT PROGRESS PHOTOGRAPHS**



**SG TOP LAYER ROLLING AT CH. 57+160 TO 57+580 RHS**



**SG TOP LAYER ROLLING AT CH. 56+080 TO 56+180 RHS**

**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.**



**SG TOP LAYER LEVEL CHECKING AT CH. 62+200 TO 62+400 RHS**



**48+557 PILE CAP CASTING**

**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.**



**Toe wall raft concrete pouring work in progress AT 55+600 to 55+640 RHS**



**TOE WALL 1ST LIFT CASTING WORK IN PROGRESS AT CH FROM 55+624 TO 55+648(RHS SIDE)**