


4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

Monthly Progress Report

February - 2026



<p>Authority</p>		<p>National Highways Infrastructure Development Corporation Limited</p>
<p>Independent Engineer</p>		<p>M/s Technocrafts Advisory Services Private Limited in association with M/s MAV Associates LLP</p>
<p>Concessionaire</p>		<p>MKC Badarpur Churaibari Kamakhya (PKG-7) Highways Pvt. Ltd.</p>

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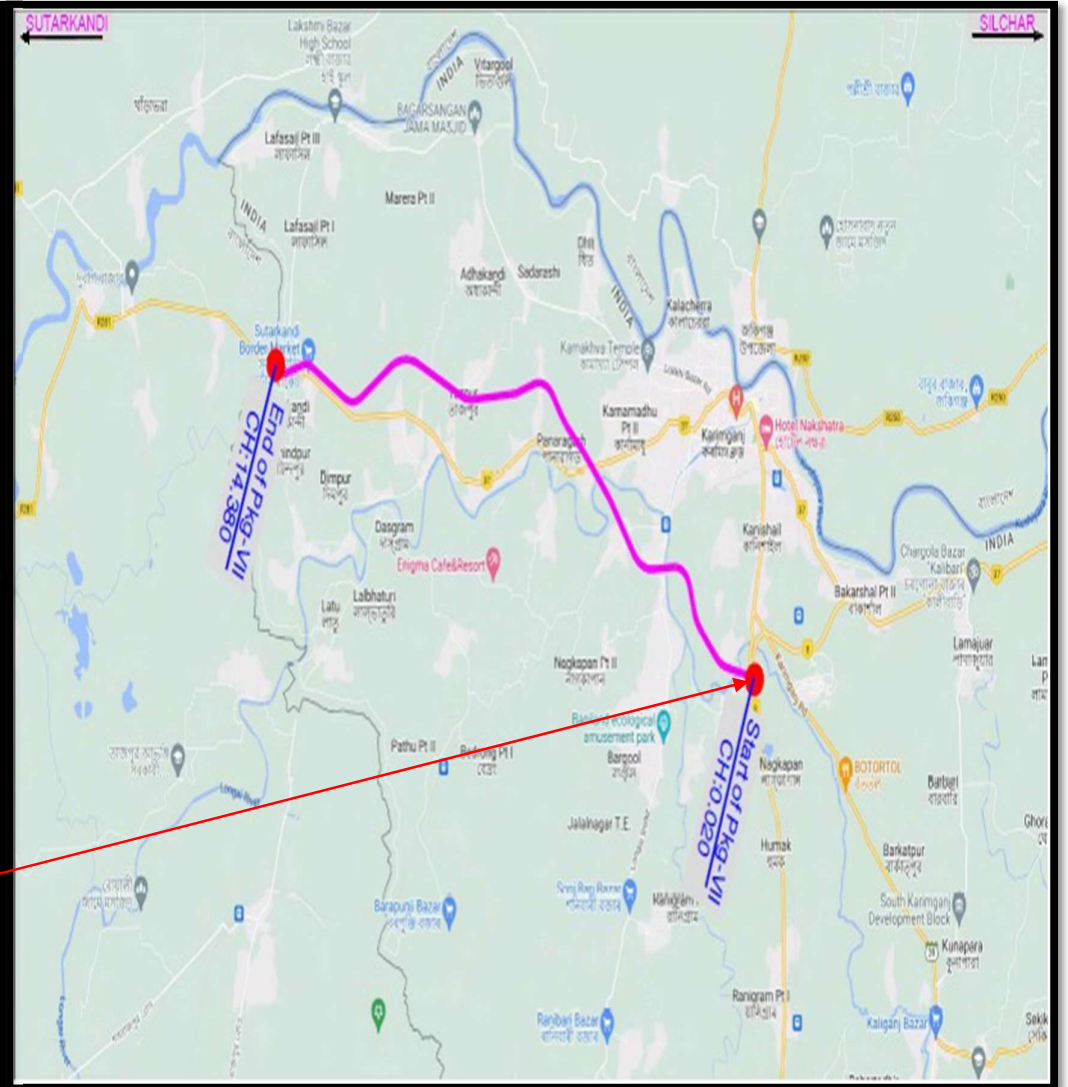
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PROJECT LOCATION MAP / INDEX MAP



4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

EXECUTIVE SUMMARY

The Concessionaire has signed the Concession Agreement with National Highway Infrastructure Development Corporation Limited (NHIDCL) on dated September 17, 2024. This Executive Summary presents the works progress of the Project Highway during the construction period from February 28, 2025 to February 27, 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: - 5+600 LHS (Darakona).

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 the details of project highway works have been included in Chapter-09 of this report.

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-07/162, dated 17.04.2025 for Authority/IE's approval. Based on the monthly works plan, the works is being carried out by the Concessionaire.

8. Quality Control and Material:

The works is being carried out by the Concessionaire as per Quality Assurance Plan submitted to Authority Vide Letter MKCIL/ASSAM/PKG-07/139 on dated 07.04.2025. Each construction activity is being checked/verified as per the RFI's submitted to Authority/ IE by the Concessionaire.

9. Supervision and Monitoring of Project works:

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

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10. Site Visit and Meeting:

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

11. Schedule Completion Date:

As per Schedule-G of the Concession Agreement shall occur on the 730th day from the Appointed Date. The declared Appointed Date being February 28, 2025, the Scheduled completion Date shall occur on February 27, 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 14.360 km. are subjected to following:

a) Stretches/ Hindered Free Land 11.51 Km out of 14.36 Km:

Stretches/ Hindered Free Land				Encumbrances/ Hindered Land		
Sr. No.	Side	Length (Km)	%	Side	Length (Km)	%
1.	BHS	12.200	90.20%	BHS	2.180	10.80%

b) Hindered due to Tree Cutting:

Description	Total Nos.	Cutting Tree	Balance	Impacted Length (km)	Remarks
Total Trees	407	156	251	1.0	

c) Encumbrances due to Religious Structure:

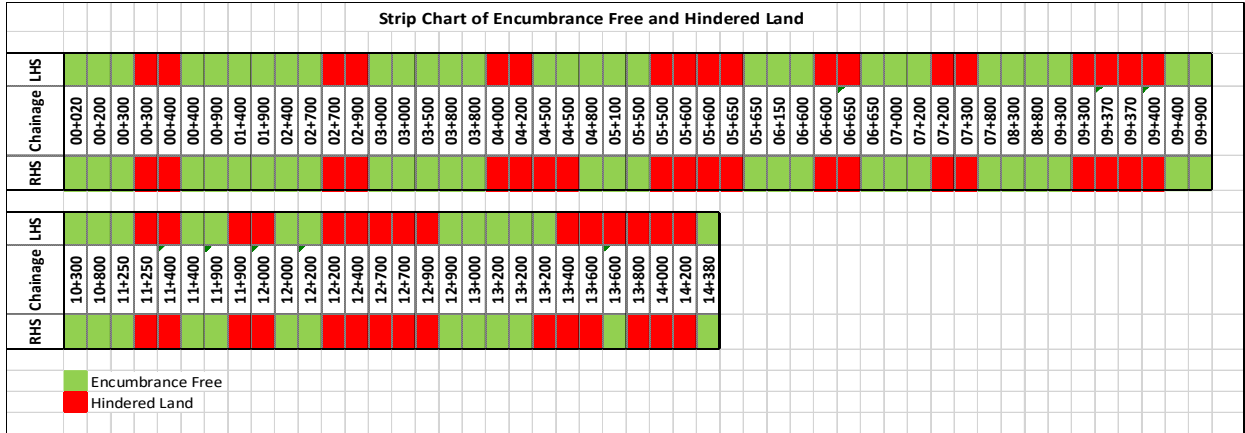
Sr. No.	Types	Chainage	Side	Status	Remarks
1.	Small Temple	2+750	RHS	Done	
2.	Temple	4+150	LHS	Shifting in Progress	
3.	Kabristan	4+300	BHS	Done	
4.	Masjid	4+500	BHS		Delay by CALA
5.	Kabristan	7+300	BHS	Done	

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d) Details of Hidered Land:

DETAILS OF ENCUMBRANCES WITHIN ROW							
Sr. No	Chainage		Side	Total Length (KM)	Description	Work Affected	Remarks
	From	To					
1	0+250	0+350	BHS	100.00	Brick Industry	Earth Work	
2	2+700	2+850	BHS	150.00	Residential Houses	RE Wall	
3	3+650	3+700	BHS	50.00	Residential Houses	Earth work	
4	3+900	3+980	BHS	80.00	Assam Type House & Shade	Earth Work	
4	4+080	4+180	LHS	100.00	Assam Type House& Temple	Earth Work	
5	4+200	4+300	BHS	100.00	Assam Type House	Earth Work	
5	4+420	4+550	RHS	130.00	Masjid & Kabristan	Earth Work	
6	4+650	4+700	RHS	50.00	Assam Type House	Earth Work	
6	5+400	5+450	BHS	50.00	Assam Type House	Earth Work	
7	5+450	5+480	BHS	30.00	Assam Type residential houses	Earth work	
7	5+550	5+650	BHS	100.00	Assam Type residential houses	VUP	
8	6+600	6+650	BHS	50.00	RCC & Assam Type Houses	Box-culvert	
8	7+250	7+300	BHS	50.00	Assam/RCC Type Houses & Kabristan	Box-culvert	
9	9+280	9+400	BHS	120.00	Assam Type residential houses	Toe Wall and earth work	
9	10+900	10+950	BHS	50.00	Assam Type residential houses	Earth work	
10	11+250	11+400	BHS	150.00	Assam Type residential houses	Earth Work	
10	12+250	12+450	BHS	200.00	Assam Type residential houses	Earth Work	
11	12+590	12+620	BHS	30.00	Assam Type residential houses	Earth Work	
11	12+800	12+900	BHS	100.00	Assam Type residential houses	Earth Work	
12	13+100	13+200	RHS	100.00	Assam Type residential houses	Earth Work	
12	13+400	13+500	BHS	100.00	Assam Type residential houses	Earth Work	
13	13+650	13+680	LHS	30.00	Assam Type residential houses	Earth Work	
13	13+800	13+900	BHS	100.00	Assam Type residential houses	Earth Work	
14	13+950	14+050	LHS	100.00	LPAI Boundary wall and Gate	Earth Work	
14	14+150	14+200	BHS	50.00	ICP-BSF Gate	Minor Bridge	
15	14+240	14+250	RHS	10.00	ICP-BSF Vehicles Scanning Machine	Earth Work	
Total Hindered Length				2180.00			

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Current Issues:-

- a) **Non-availability of land:-** As per the Concession Agreement, 100% of the land is to be handed over to the Concessionaire within 90 days from the Appointed Date. However, only approximately 80.20% of the land is currently free from encumbrances (refer the Concessionaire’s letter no. MKCIL/ASSAM/PKG-07/490 dated 29.11.2025)

As per Joint Handover Memorandum (Appendix-I) dated 28.02.2025

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	63.59	56.17	7.42	88.33%	11.510 Km	80.20%

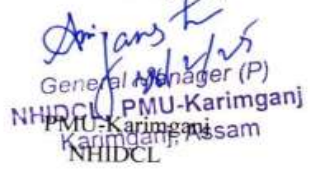
Note: The hindrance free length is calculated based on the right of way required against construction zone. M/s MKC Badarpur Churaibari Kamakhya (Pkg-7) Highways Pvt. Ltd will not claim any damages from the Authority as specified in CI 4.2 of Concession Agreement for the period delay and time extension in accordance with CI 4.1.2 of Concession Agreement.

Authorized Representative:



M/s MKC Badarpur Churaibari Kamakhya (Pkg-7) Highways Pvt. Ltd.

General Manager(P)



Date: 28/02/25

Place: Karimganj

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b) Approval of Material Source:- Approval from the Independent Engineer is still pending for the proposed material sources, and admixtures (refer the Concessionaire's Chapter no. 10 & Table no 10.3.4)

c) 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.

d) 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-07/176 dated 24.04.2025.

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 the Spur from NH-8 near Karimganj to Sutarkandi (India-Bangladesh border) Km. 0.020 to Km. 14.380 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 Awarded was communicated vide letter No. NHIDCL / Assam / DPR / Silchar-Churaibari /222542/2581 and the agreement was signed on September 1st, 2023.

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 is a spur to NH-8 near Karimganj and ends at Sutarkandi. The proposed alignment passes through Karimganj district in the state of Assam connecting villages Karimganj, Fakirabazar, Jarpata and Sutarkandi.

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CHAPTER-2

CONTRACT DATA

Sr. No.	Items	Description
1.	Name of Project	4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.
2.	Project Length	14.360 km
3.	Project Bid Cost	380.26 Cr.
4.	Authority	National Highways & Infrastructure Development Corporation Limited
5.	Independent Engineer	M/s Technocrats Advisory Services Private Limited in association with M/s MAV Associates LLP
6.	Concessionaire	MKC Badarpur Churaibari Kamakhya (PKG-7) Highways Private Limited
7.	Design Consultant	Geo Designs & Research Pvt. Ltd.
8.	DPR Consultant	Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
9.	LOA No. & Date	NHIDCL/ Assam/ NH-37/ Sil-Churai/ Pkg-VII/ 233357/ 3087 dated 11.03.2024
10.	Date of Concession Agreement	September 17, 2024
11.	Appointed Date	February 28, 2025
12.	Construction Period	730 days (from Appointed Date) [24-Months]
13.	Schedule Completion Date	February 27, 2027
14.	O&M Period	15 Years from the date of COD

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15.	Project Milestone	
	Milestone- I	<p>The Project Milestone-I shall occur on the date falling on the 256th (two hundred and fifty sixth) day from the Appointed Date (i.e., November 11, 2025)-</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>
	Milestone- II	<p>438th Day from Appointed Date (i.e., May 12, 2026)- (Prior to the occurrence of Project Milestone-II, the Concessionaire shall have expended not less than 35% of the total capital cost set forth in the Financial Package. Provided, however, that at least 70% of the expenditure referred to hereinabove shall have been incurred on physical works which shall not include advances of any kind to any person or expenditure of any kind on plant and machinery and the concessionaire shall have commenced construction of the project and achieved 35% Physical Progress.).</p>
	Milestone- III	<p>620th Day from Appointed Date (i.e., November 10, 2026) (The concessionaire shall have commenced construction of all Project Facilities and expended not less than 75% of the total capital cost set forth in the Financial Package and the concessionaire shall have commenced construction of the Project and achieved 75% Physical Progress).</p>
	Scheduled Completion Date	<p>730th Day from Appointed Date (i.e., February 27, 2027)</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	00+020	12+900	12.880	500.00	200.00	190.00	50.00	30.00	-	-
	12+900	14+380	1.480	500.00	150.00	-	-	-	150.00	180.00
				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.	1
2.	Major Bridge	New Construction	Nos.	3
3.	Minor Bridge	New Construction	Nos.	7
		Reconstruction	Nos.	1
4.	VUP	New Construction	Nos.	2
5.	LVUP	New Construction	Nos.	9
6.	SVUP	New Construction	Nos.	1
7.	Box Underpass	New Construction	Nos.	4
8.	Box Culvert	New Construction	Nos.	28
		Reconstruction	Nos.	4
		Additional	Nos.	20
9.	Pipe Culvert	Additional	Nos.	20
10.	Bus Bay		Nos.	2
11.	Major Junction		Nos.	2
12.	Minor Junction		Nos.	4
13.	W-beam Single faced metal crash barrier		Rmt.	17602
14.	Drain (covered)		Rmt.	2960

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 1- ROB, 3- Major Bridge, 8- Minor Bridge, 16- Underpasses, 52- Culverts.
- Construction of Slip Road of 4.16 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) Roadside Furniture
 - i. Kilometer and Hectometer Stones
 - ii. Traffic Signs
 - iii. Overhead Sign
 - iv. Road Marking
 - v. Road Delineators
 - vi. Reflective Pavement Markers & Solar Studs
 - vii. Traffic Impact Attenuators
 - viii. Boundary wall and Fencing
- b) Operation and Maintenance centres
- c) Way side Amenities/ Service Areas
- d) Bus Bay and Bus Shelter
- e) Pedestrian Facilities
- f) Highway Lighting
- g) Rainwater Harvesting
- h) Environmental Management Plan
- i) Advanced Traffic Management System (ATMS)
- j) Highway Petrol Unit
- k) Emergency Medical Services
- l) 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	Done	MKCIL/ASSAM/PKG-07/261
2	Article 11	Utilities, Associated Roads and Trees	In Progress	
3	Clause 18.1.2	Safety Consultant	Awaited	
4	Article 21	Appointment of Independent Engineer	Done	Partially Mobilized
5	Clause 10.3	Joint Memorandum	Done	

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	Done	
8		Permission of the State Govt. from drawing water from river/ reservoir	Done	
9		Labour Licence	Done	
10	Clause 12.1	Quality Assurance Plan	Submitted	MKCIL/ASSAM/PKG-07/139 dt. 07.04.2025
11		Construction Methodology	Submitted	MKCIL/ASSAM/PKG-07/150 dt. 14.04.2025

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5.2 Shifting of Utilities

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

Sl. No.	Utility/ Hindrance Type	Unit	Nos.	Remarks
1.	HT/LT Lines (including Transformer if any)	Kms	4.36	In progress
2.	HT/ LT crossing	Nos.	8	50% Done
3.	Water Pipelines	Kms	4.65	Done
4.	Water Pipeline Crossing	Nos.	14.00	Done

5.3 Tree Cutting

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

Sr. No.	Description	Total	Remarks
1.	Total Number of Trees	407.00	
2.	Total Felling of Trees	156.00	
3.	Balance Trees	251.00	

5.4 Land Acquisition

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

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**CHAPTER -6
MOBILIZATION**

6.1 Manpower Mobilization of Concessionaire

Sr. No.	Name of Employee	Designation	Department
1	Vinay Kumar Pandey	Gm (Projects)	Project
2	Gaijianpov Gonmei	Asst. Manager	Accounts
3	Surajit Samanta	Engineer	Billing/Planning
4	Harsh Singh	Asst.Engineer	Billing/Planning
5	Rituraj Gop	Sr. Engineer	Billing/Planning
6	Shubham Kumar	Engineer	Billing/Planning
7	Pankaj Baser	Jr. Engineerr	Electrical
8	Tapas Basak	Engineer	Highway
9	Krishna Singh	Supervisor	Highway
10	Arya Yadav	Jr.Engineer	Highway
11	Chandrakant	Supervisor	Highway
12	Md Mohbub Ahmed	Supervisor	Highway
13	Janmejay Kar	Asst. Manager	Highway
14	Alok Kumar Choudhary	Deputy Manager	Highway
15	Vishal Mishra	Asst. Manager	Highway
16	Joga Ram	Supervisor	Highway
17	Dinesh Kumar	Engineer	Highway
18	Saurav Singh	Supervisor	Highway
19	Amardeep Chaudhary	Supervisor	Highway
20	Pawan Kumar	Jr.Engineer	Highway
21	Golu Meena	Supervisor	HR/Admin
22	Sanjeev Kumar Pandey	Executive	HR/Admin
23	Tupidhar Das	Executive	HR/Admin
24	Sambasiva Rao Chilla	Deputy Manager	HR/Admin
25	Shyambabu Singh	Manager	Liaison
26	Sahil	Sr. Executive	Liaison
27	Amit Bhadauriya	Executive	P&M
28	Subrata Dinda	Senior Manager	P&M
29	Indrajit Majumdar	Supervisor	P&M
30	Prabhakar Kumar	Jr. Engineer	P&M
31	Joy Kanoo	Supervisor	P&M
32	Priyesh Kumar Sharma	Supervisor	P&M
33	Sandeep Kumar Gejwal	Sr. Manager	P&M
34	Alok Kumar Ghadai	Engineer	P&M
35	Ranjit Kumar Prajapati	Exective	P&M
36	Lakshman Shil	Fleet Supervisor	P&M
37	Sachin	Engineer	P&M
38	Shubham Singh	Assistant Engineer	QA/QC
39	Ram Prakash	Techanician	QA/QC
40	Daya Shankar Sharma	Techanician	QA/QC

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

41	Sujay De Sarkar	Engineer	QA/QC
42	Ravi Shanker Tripathi	Sr. Manager	QA/QC
43	Amit Pathak	Techanician	QA/QC
44	Ankit Kumar	Sr. Engineer	QA/QC
45	Deepak Kumar Pandey	Executive	QA/QC
46	Manish Kumar Mandal	Lab Tech	QA/QC
47	Shiv Shankhadhar	Lab Tech	QA/QC
48	Vivek Kumar Singh	Sr.Lab Tec	QA/QC
49	Debabrata Nath	Engineer	QA/QC
50	Abhishek Raj	Lab Asst	QA/QC
51	Pawan Kumar	Safety Asst.	Safety
52	Chandan Kumar Dash	Sr. Manager	Store
53	Sujeet Kumar	Supervisor	Store
54	Sumanta Datta	Supervisor	Store
55	Milan Samantha	Supervisor	Store
56	Amit Sikarwar	Executive	Store
57	Neeraj Kumar	Sr. Executive	Store
58	Amit Kumar	Jr.Executive	Store
59	Pradip Kumar Saha	Sr. Exective	Store
60	Abhishek Dwivedi	Jr. Executive	Store
61	Mohit	Supervisor	Store
62	Narayan Kumar	Supervisor	Structure
63	Sujit Kumar Ray	Sr. Supervisor	Structure
64	Omprakash	Foreman	Structure
65	Ankit Solanki	Supervisor	Structure
66	Shri Prakash Chaudhary	Engineer	Structure
67	SANTOSH SINGH	Dy Manager	Structure
68	Ranjan Kumar	Sr. Engineer	Structure
69	Ankit Chaurasiya	Supervisor	Structure
70	Deepak Chahuan	Jr. Engineer	Structure
71	Ratan Thakur	Supervisor	Structure
72	Souvik Paul	Engineer	Structure
73	Rakesh Kumar Singh	Engineer	Structure
74	Ankit Patel	Get	Structure
75	Anjanay awasthi	Asst. Manager	Structure
76	Indrajit Samanta	Engineer	Structure
77	Sandeep Kumar	Supervisor	Structure
78	Brijesh Kumar	Engineer	Structure
79	Vageesh Tripathi	Senior Engineer	Structure
80	Amit Singh	Surveyor	Survey
81	Ram Pojan	Surveyor	Survey
82	Koushik Routh	Sr. Surveyor	Survey
83	Ashis Koley	Deputy Manager	Survey
84	Anish Ghosh	Asst. Manager	Survey
85	Koushik Samanta	Survyer	Survey

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

CHAPTER-7

DEPLOYMENT OF PLANTS AND EQUIPMENT / PROJECT SET UP PLAN

7.1 Plants and Equipment Deployed

S.no	Equipment type	Unit	Qty	Remarks
1	LMV	Nos.	17	
2	TIPPER	Nos.	35	
3	MOBILE CRANE	Nos.	4	
4	SOIL COMPACTOR	Nos.	12	
5	EXCAVATOR	Nos.	09	
6	BACK HOE LOADER	Nos.	05	
7	DIESEL DISPENCER	Nos.	2	
8	TRANSIT MIXER	Nos.	09	
9	TRACTOR	Nos.	2	
10	GRADER	Nos.	3	
11	BABY ROLLER	Nos.	1	
12	HM PLANT	Nos.	1	
13	BATCHING PLANT	Nos.	1	
14	RE BLOCK PLANT	Nos.	1	
15	DG	Nos.	9	
16	TRAILER	Nos.	2	
17	CRUSHER	Nos.	2	
18	WATER TANKER	Nos.	05	
19	LOADER	Nos.	2	
20	BOOM PLACER	Nos	01	

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam 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 December-31, 2025, is enclosed in this chapter of the report.

Road Works

S N	Description	Unit	Total	Submitted	Approval	Balance	Remarks
1.	Plan & Profile MCW	Km	14.360	14.360	2.380	12.000	
2.	Plan & Profile SR	Km	4.164	4.164	0.000	0.000	
3.	Typical Cross Section	Nos	1.00	1.00	0.00	0.00	
4.	Pavement Design Report	Nos	1.00	1.00	1.00	0.00	
5.	RE Wall	Nos	20820.00	-	-	-	
6.	Major Junction	Nos	2.00	-	-	-	
7.	Minor Junction	Nos	4.00	-	-	-	
8.	Bus Bay Drawing	Nos	2.00	-	-	-	
9.	Road Signage Plan	Km	14.360	-	-	-	

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

Structure Works:-

Structure				
Description	Total Nos	Submitted	Approved	Balance
Box Underpass	4	4	4	0.00
SVUP	1	1	0	1.00
LVUP	9	8	8	1.00
VUP	2	2	2	0.00
MNB	8	7	5	2.00
MJB	3	3	1	2.00
ROB	1	1	1	0.00
Box Culvert	32	30	25	5.00

**4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border)
Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.**

CHAPTER-9

PROJECT WORK PROGRESS

Project Name :-	Four Laning of Karimganj - Sutarkandi section of NH-37 from Design chainage 0.020 (Assam-Agartala Road NH-8 near Kanisail Pt II) to Km. 14.380 (Sutarkandi, India-Bangladesh Border) in the state of Assam (Package-7)						
Authority Engineer :-	National Highways & Infrastructure Development Corporation Limited						
Independent Engineer :-	M/s Technocrats Advisory Services Pvt. Ltd. in association with M/s MAV Associates LLP						
Concessionaire :-	MKC Badarpur Churaibari Kamakhya (PKG-7) Highways Pvt. Ltd.						
Total Contract Price :-	3,80,26,00,000						
Schedule-G							
Item	Stage for measurement of Physical Progress	Unit	Qty.	Weightage in percentage to the contract price	Physical Progress	% of Physical Progress	Value of Physical Progress
Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads)	A- Widening and strengthening of existing road						
	(1) Earthwork upto top of Sub-grade	L-Km	3.27	0.46%	1.00	30.59%	0.14%
	(2) Granular work (Sub-base, base,shoulder)						
	(a) GSB	L-Km	3.27	0.43%	1.00	30.59%	0.13%
	(b) WMM	L-Km	0.34	0.03%			
	(3) Shoulders	L-Km	0.34	0.01%			
	(4) Bituminous Work						
	(a) DBM	L-Km	0.34	0.06%			
	(b) BC	L-Km	0.34	0.02%			
	(5) Rigid Pavement						
	Concrete Work	L-Km	2.93	1.55%			
	B- New 4 Lane Realignment/Bypass						
	(1) Earthwork upto top of Sub-grade	L-Km	23.77	26.87%	10.05	42.27%	11.36%
	(2) Granular work (Sub-base, base,shoulder)						
	(a) GSB	L-Km	23.77	4.07%			
	(b) WMM	L-Km	23.77	2.76%			
	(3) Shoulder	L-Km	23.77	0.67%			
	(4) Bituminous Work						
	(a) DBM	L-Km	23.77	1.78%			
	(b) BC	L-Km	23.77	1.15%			
	C- New Culverts, Minor Bridges, underpasses, overpasses on existing road, realignment, bypasses:						
	1) Culverts	No.	64.00	4.55%	35.00	54.69%	2.49%
2) Minor Bridge							
a) Foundation	No.	22.00	2.76%	14.00	63.64%	1.76%	
b) Sub-Structure	No.	22.00	1.27%	6.00	27.27%	0.35%	

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border)
Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

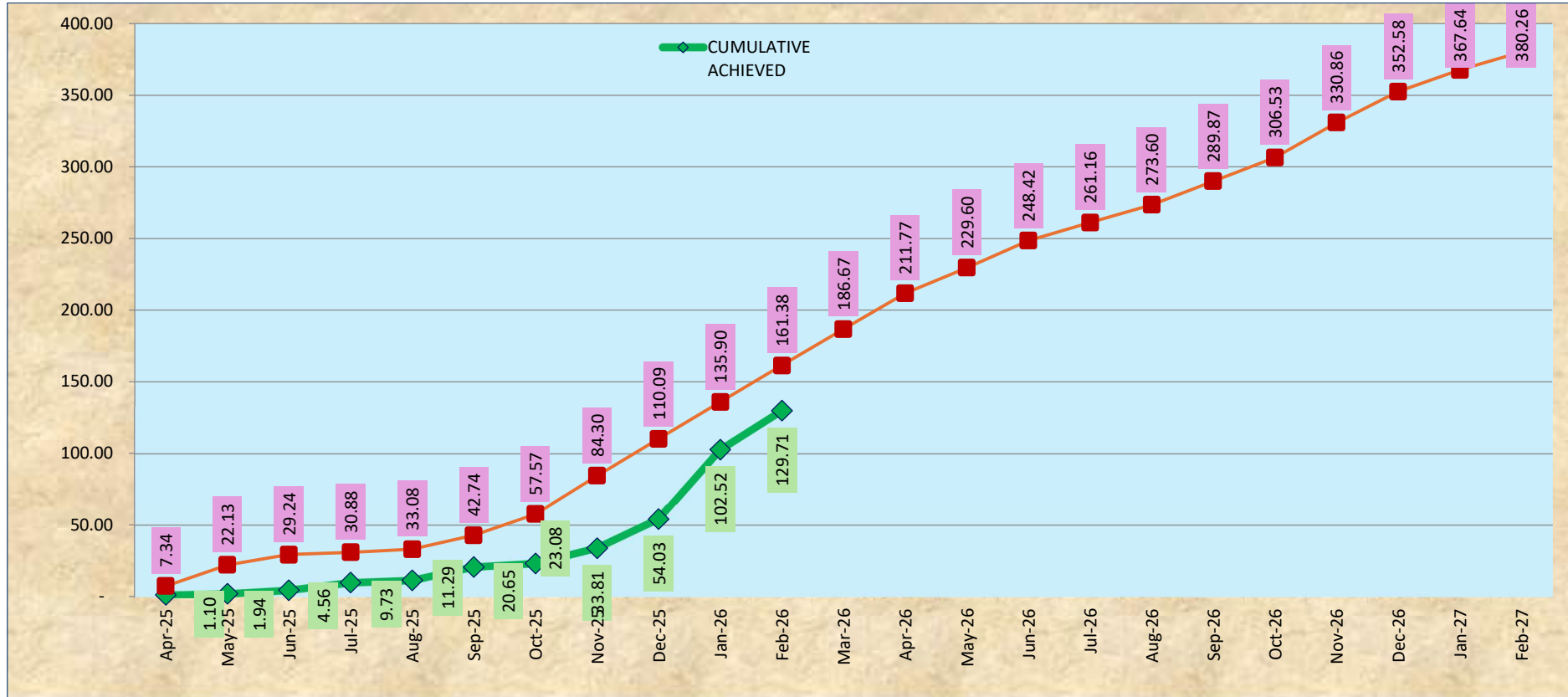
	c) Super-Structure (including Crash Barrier etc. Complete) If pre-cast girders/ segments are used, 40% of the weightage of the stage in percentage to the bid project cost is assigned to the casting of such precast girders/ segments.					
	c-i) Precast Girder - On Casting (40%)	No.	6.00	0.72%		
	c-ii) Slab - after Completion of Slab (60%)	No.	16.00	1.07%	2.00	0.13%
	5) Grade Separated Structures					
	a) Underpasses (Box Underpass, SVUP, LVUP, VUP)					
	i) Foundation	No.	38.00	5.31%	24.00	3.35%
	ii) Sub-Structure	No.	38.00	3.61%	20.00	1.90%
	iii) Super-Structure (including Crash Barrier, Wearing coat etc. Complete) If pre-cast girders/ segments are used, 40% of the weightage of the stage in percentage to the bid project cost is assigned to the casting of such precast girders/ segments.					
	- Girder Type - Precast Girder (40%)	No.	6.00	1.41%		
	c-ii) Slab - after Completion of Slab (60%)	No.	32.00	2.12%	12.00	0.79%
Major Bridge works and ROB/RUB	C- New Major Bridges					
	(1) Foundation					
	(b) Pile Foundation / Well Foundation	No.	24.00	5.91%	24.00	5.91%
	(2) Sub-structure	No.	24.00	1.61%	6.00	
	(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.					
	-Super-structure - Precast Girder (40%)	No.	18.00	1.09%	10.00	0.61%
	c-ii) Slab - after Completion of Slab (60%)	No.	18.00	1.64%		
	D- New rail-road bridges					
	(a) ROB					
	(1) Foundation	No.	10.00	2.50%	4.00	1.00%
	(2) Sub-structure	No.	10.00	1.06%		
	(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.					
	-Super-structure - Precast Girder (40%)	No.	8.00	0.90%		
c-ii) Slab - after Completion of Slab (60%)	No.	8.00	1.34%			

**4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border)
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Structures (Elevated Section, Reinforced earth)	4) Reinforced Earth Wall (includes Approaches of ROB, Underpasses, Over passes, Flyover etc.)						
	i) Re Block Casting (5%)	Sq.m	24,984.00	0.03%	10,559.56	42.27%	0.01%
	ii) Re Block Erection (95%)	Sq.m	24,984.00	0.63%			
Electrical and Public Health Utilities	UTILITY SHIFTING						
	HT/LT lines (including Transformers if any)	Km	4.36	0.04%	2.38	54.59%	0.02%
	HT/LT crossings	No.	65.00	1.03%	20.00	30.77%	0.32%
	Water pipeline	Km	4.65	0.03%	4.65	100.00%	0.03%
	Water pipeline crossings	No.	14.00	0.06%	14.00	100.00%	0.06%
Other Works	OTHER WORKS						
	i) Service Road / Slip Road	L-Km	4.164	1.78%			
	iii) Road Side Drain	L-Km	2.96	0.44%	0.50	16.89%	0.07%
	iv) - Road signs, markings, Km Stone, Safety devices						
	(a) Road signs, markings, Km Stone	L-Km	14.36	0.30%			
	(b) Concrete Crash Barrier/W Beam Crash Barrier in Road work	L-Km	30.96	2.42%			
	v) - Project Facilities						
	(a) Bus bay	No.	2.00	0.08%			
	viii) Protection Work						
	(a) Boulder Pitching on Slope / Slope Protection Work	L-Km	4.32	2.32%			
	(b) Precast Toe Wall / Retaining Wall	L-Km	13.81	10.94%	4.65	33.67%	3.68%
	x) Miscellaneous						
	(a) Street Lightning	No.	188.00	0.09%			
	(b) Junction/Interchange	No.	6.00	0.18%			
	(c) Precast Boundary Wall	L-Km	27.04	0.42%			
(d) ATMS, HTMS, Traffic Aid Posts, Medical aid Posts, Vehicle Recue Posts, Telecom System	L-Km	28.72	0.34%				
(e) Rain Water Harvesting	No.	28.00	0.17%				
Grand Total >>>				100.00%			34.11%

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border)
 Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

9.2 S Curve

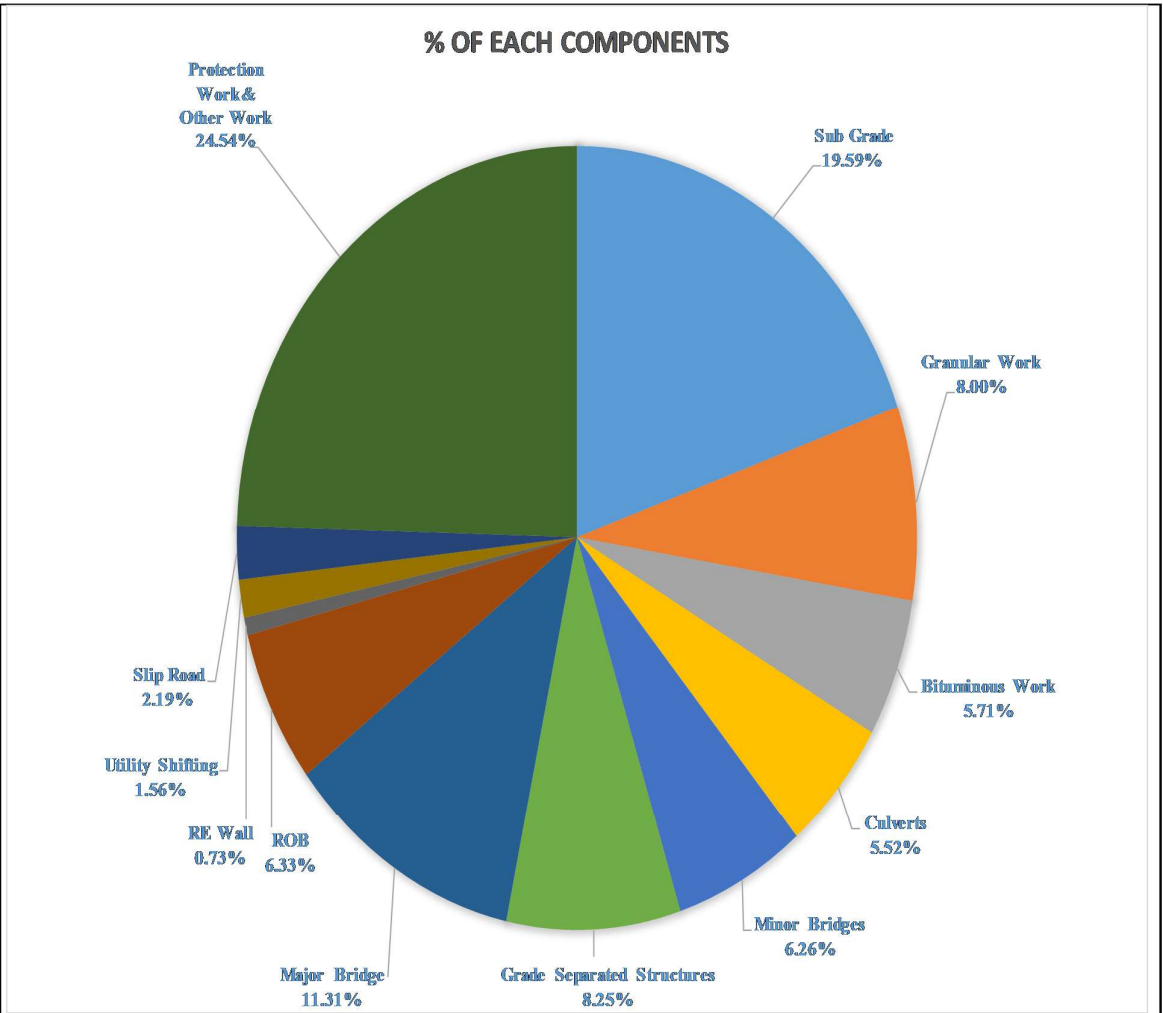


VALUES (IN CR.)	MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
	MONTH	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	
CUMULATIVE PLANNED		7.34	22.13	29.24	30.88	33.08	42.74	57.57	84.30	110.09	135.90	161.38	186.67	211.77	229.60	248.42	261.16	273.60	289.87	306.53	330.86	352.58	367.64	380.26	
CUMULATIVE ACHIEVED		1.10	1.94	4.56	9.73	11.29	20.65	23.08	33.81	54.03	102.52	129.71													
		0.29%	0.51%	1.20%	2.56%	2.97%	5.43%	6.07%	8.89%	14.21%	26.96%	34.11%													

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border)
Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

9.3 Weightages (Earthwork, Granular Work, Bituminous Work, Culvert, MJB, MNB, Underpass, ROB, RE Wall, Utility Shifting, SR and Others)

Work Description	% of Each sub components	Amount (Cr.)
Sub Grade	19.59%	74,50,23,653.02
Granular Work	8.00%	30,43,19,594.30
Bituminous Work	5.71%	21,70,88,192.72
Culverts	5.52%	20,99,29,557.88
Minor Bridges	6.26%	23,80,73,489.15
Grade Separated Structures	8.25%	31,37,15,716.05
Major Bridge	11.31%	43,00,02,339.39
ROB	6.33%	24,07,16,649.18
RE Wall	0.73%	2,78,77,340.41
Utility Shifting	1.56%	5,92,90,359.01
Slip Road	2.19%	8,34,60,380.79
Protection Work& Other Work	24.54%	93,31,02,728.10
Total	100.00%	3,80,26,00,000.00



4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border)
 Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

RHS	Chainage						LHS
	BC	DBM	R-WMM	R-GSB	Sub-Grade	Embankment	
	9+030	9+040	9+040	9+050	9+060	9+070	
	9+080	9+090	9+100	9+110	9+120	9+130	
	9+140	9+150	9+160	9+170	9+180	9+190	
	9+200	9+210	9+220	9+230	9+240	9+250	
	9+260	9+270	9+280	9+290	9+300	9+310	
	9+320	9+330	9+340	9+350	9+360	9+370	
	9+380	9+390	9+400	9+410	9+420	9+430	
	9+440	9+450	9+460	9+470	9+480	9+490	
	9+500	9+510	9+520	9+530	9+540	9+550	
	9+560	9+570	9+580	9+590	9+600	9+610	
	9+620	9+630	9+640	9+650	9+660	9+670	
	9+680	9+690	9+700	9+710	9+720	9+730	
	9+740	9+750	9+760	9+770	9+780	9+790	
	9+800	9+810	9+820	9+830	9+840	9+850	
	9+860	9+870	9+880	9+890	9+900	9+910	
	9+920	9+930	9+940	9+950	9+960	9+970	
	9+980	9+990	10+000	10+010	10+020	10+030	
	10+040	10+050	10+060	10+070	10+080	10+090	
	10+100	10+110	10+120	10+130	10+140	10+150	
	10+160	10+170	10+180	10+190	10+200	10+210	
	10+220	10+230	10+240	10+250	10+260	10+270	
	10+280	10+290	10+300	10+310	10+320	10+330	
	10+340	10+350	10+360	10+370	10+380	10+390	
	10+400	10+410	10+420	10+430	10+440	10+450	
	10+460	10+470	10+480	10+490	10+500	10+510	
	10+520	10+530	10+540	10+550	10+560	10+570	
	10+580	10+590	10+600	10+610	10+620	10+630	
	10+640	10+650	10+660	10+670	10+680	10+690	
	10+700	10+710	10+720	10+730	10+740	10+750	
	10+760	10+770	10+780	10+790	10+800	10+810	
	10+820	10+830	10+840	10+850	10+860	10+870	
	10+880	10+890	10+900	10+910	10+920	10+930	
	10+940	10+950	10+960	10+970	10+980	10+990	
	11+000	11+010	11+020	11+030	11+040	11+050	
	11+060	11+070	11+080	11+090	11+100	11+110	
	11+120	11+130	11+140	11+150	11+160	11+170	
	11+180	11+190	11+200	11+210	11+220	11+230	
	11+240	11+250	11+260	11+270	11+280	11+290	
	11+300	11+310	11+320	11+330	11+340	11+350	
	11+360	11+370	11+380	11+390	11+400	11+410	
	11+420	11+430	11+440	11+450	11+460	11+470	
	11+480	11+490	11+500	11+510	11+520	11+530	
	11+540	11+550	11+560	11+570	11+580	11+590	
	11+600	11+610	11+620	11+630	11+640	11+650	
	11+660	11+670	11+680	11+690	11+700	11+710	
	11+720	11+730	11+740	11+750	11+760	11+770	
	11+780	11+790	11+800	11+810	11+820	11+830	
	11+840	11+850	11+860	11+870	11+880	11+890	
	11+900	11+910	11+920	11+930	11+940	11+950	
	11+960	11+970	11+980	11+990	12+000	12+010	
	12+020	12+030	12+040	12+050	12+060	12+070	
	12+080	12+090	12+100	12+110	12+120	12+130	
	12+140	12+150	12+160	12+170	12+180	12+190	
	12+200	12+210	12+220	12+230	12+240	12+250	
	12+260	12+270	12+280	12+290	12+300	12+310	
	12+320	12+330	12+340	12+350	12+360	12+370	
	12+380	12+390	12+400	12+410	12+420	12+430	
	12+440	12+450	12+460	12+470	12+480	12+490	
	12+500	12+510	12+520	12+530	12+540	12+550	
	12+560	12+570	12+580	12+590	12+600	12+610	
	12+620	12+630	12+640	12+650	12+660	12+670	
	12+680	12+690	12+700	12+710	12+720	12+730	
	12+740	12+750	12+760	12+770	12+780	12+790	
	12+800	12+810	12+820	12+830	12+840	12+850	
	12+860	12+870	12+880	12+890	12+900	12+910	
	12+920	12+930	12+940	12+950	12+960	12+970	
	12+980	12+990	13+000	13+010	13+020	13+030	
	13+040	13+050	13+060	13+070	13+080	13+090	
	13+100	13+110	13+120	13+130	13+140	13+150	
	13+160	13+170	13+180	13+190	13+200	13+210	
	13+220	13+230	13+240	13+250	13+260	13+270	
	13+280	13+290	13+300	13+310	13+320	13+330	
	13+340	13+350	13+360	13+370	13+380	13+390	
	13+400	13+410	13+420	13+430	13+440	13+450	
	13+460	13+470	13+480	13+490	13+500	13+510	
	13+520	13+530	13+540	13+550	13+560	13+570	
	13+580	13+590	13+600	13+610	13+620	13+630	
	13+640	13+650	13+660	13+670	13+680	13+690	
	13+700	13+710	13+720	13+730	13+740	13+750	
	13+760	13+770	13+780	13+790	13+800	13+810	
	13+820	13+830	13+840	13+850	13+860	13+870	
	13+880	13+890	13+900	13+910	13+920	13+930	
	13+940	13+950	13+960	13+970	13+980	13+990	
	14+000	14+010	14+020	14+030	14+040	14+050	
	14+060	14+070	14+080	14+090	14+100	14+110	
	14+120	14+130	14+140	14+150	14+160	14+170	
	14+180	14+190	14+200	14+210	14+220	14+230	
	14+240	14+250	14+260	14+270	14+280	14+290	
	14+300	14+310	14+320	14+330	14+340	14+350	
	14+360	14+370	14+380	14+390	14+400	14+410	
	14+420	14+430	14+440	14+450	14+460	14+470	
	14+480	14+490	14+500	14+510	14+520	14+530	
	14+540	14+550	14+560	14+570	14+580	14+590	
	14+600	14+610	14+620	14+630	14+640	14+650	
	14+660	14+670	14+680	14+690	14+700	14+710	
	14+720	14+730	14+740	14+750	14+760	14+770	
	14+780	14+790	14+800	14+810	14+820	14+830	
	14+840	14+850	14+860	14+870	14+880	14+890	
	14+900	14+910	14+920	14+930	14+940	14+950	
	14+960	14+970	14+980	14+990	15+000	15+010	
	15+020	15+030	15+040	15+050	15+060	15+070	
	15+080	15+090	15+100	15+110	15+120	15+130	
	15+140	15+150	15+160	15+170	15+180	15+190	
	15+200	15+210	15+220	15+230	15+240	15+250	
	15+260	15+270	15+280	15+290	15+300	15+310	
	15+320	15+330	15+340	15+350	15+360	15+370	
	15+380	15+390	15+400	15+410	15+420	15+430	
	15+440	15+450	15+460	15+470	15+480	15+490	
	15+500	15+510	15+520	15+530	15+540	15+550	
	15+560	15+570	15+580	15+590	15+600	15+610	
	15+620	15+630	15+640	15+650	15+660	15+670	
	15+680	15+690	15+700	15+710	15+720	15+730	
	15+740	15+750	15+760	15+770	15+780	15+790	
	15+800	15+810	15+820	15+830	15+840	15+850	
	15+860	15+870	15+880	15+890	15+900	15+910	
	15+920	15+930	15+940	15+950	15+960	15+970	
	15+980	15+990	16+000	16+010	16+020	16+030	
	16+040	16+050	16+060	16+070	16+080	16+090	
	16+100	16+110	16+120	16+130	16+140	16+150	
	16+160	16+170	16+180	16+190	16+200	16+210	
	16+220	16+230	16+240	16+250	16+260	16+270	
	16+280	16+290	16+300	16+310	16+320	16+330	
	16+340	16+350	16+360	16+370	16+380	16+390	
	16+400	16+410	16+420	16+430	16+440	16+450	
	16+460	16+470	16+480	16+490	16+500	16+510	
	16+520	16+530	16+540	16+550	16+560	16+570	
	16+580	16+590	16+600	16+610	16+620	16+630	
	16+640	16+650	16+660	16+670	16+680	16+690	
	16+700	16+710	16+720	16+730	16+740	16+750	
	16+760	16+770	16+780	16+790	16+800	16+810	
	16+820	16+830	16+840	16+850	16+860	16+870	
	16+880	16+890	16+900	16+910	16+920	16+930	
	16+940	16+950	16+960	16+970	16+980	16+990	
	17+000	17+010	17+020	17+030	17+040	17+050	
	17+060	17+070	17+080	17+090	17+100	17+110	
	17+120	17+130	17+140	17+150	17+160	17+170	
	17+180	17+190	17+200	17+210	17+220	17+230	
	17+240	17+250	17+				

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border)
 Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

RHS		Chainage		LHS	
BC	DBM	Embankment	C&G	Embankment	BC
			12+030		
			12+040		
			12+050		
			12+060		
			12+070		
			12+080		
			12+090		
			12+100		
			12+110		
			12+120		
			12+130		
			12+140		
			12+150		
			12+160		
			12+170		
			12+180		
			12+190		
			12+200		
			12+210		
			12+220		
			12+230		
			12+240		
			12+250		
			12+260		
			12+270		
			12+280		
			12+290		
			12+300		
			12+310		
			12+320		
			12+330		
			12+340		
			12+350		
			12+360		
			12+370		
			12+380		
			12+390		
			12+400		
			12+410		
			12+420		
			12+430		
			12+440		
			12+450		
			12+460		
			12+470		
			12+480		
			12+490		
			12+500		
			12+510		
			12+520		
			12+530		
			12+540		
			12+550		
			12+560		
			12+570		
			12+580		
			12+590		
			12+600		
			12+610		
			12+620		
			12+630		
			12+640		
			12+650		
			12+660		
			12+670		
			12+680		
			12+690		
			12+700		
			12+710		
			12+720		
			12+730		
			12+740		
			12+750		
			12+760		
			12+770		
			12+780		
			12+790		
			12+800		
			12+810		
			12+820		
			12+830		
			12+840		
			12+850		
			12+860		
			12+870		
			12+880		
			12+890		
			12+900		
			12+910		
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			12+940		
			12+950		
			12+960		
			12+970		
			12+980		
			12+990		
			13+000		
			13+010		
			13+020		
			13+030		
			13+040		
			13+050		
			13+060		
			13+070		
			13+080		
			13+090		
			13+100		
			13+110		
			13+120		
			13+130		
			13+140		
			13+150		
			13+160		
			13+170		
			13+180		
			13+190		
			13+200		
			13+210		
			13+220		
			13+230		
			13+240		
			13+250		
			13+260		
			13+270		
			13+280		
			13+290		
			13+300		
			13+310		
			13+320		
			13+330		
			13+340		
			13+350		
			13+360		
			13+370		
			13+380		
			13+390		
			13+400		
			13+410		
			13+420		
			13+430		
			13+440		
			13+450		
			13+460		
			13+470		
			13+480		
			13+490		
			13+500		
			13+510		
			13+520		
			13+530		
			13+540		
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			13+810		
			13+820		
			13+830		
			13+840		
			13+850		
			13+860		
			13+870		
			13+880		
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			13+940		
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			13+970		
			13+980		
			13+990		
			14+000		
			14+010		
			14+020		
			14+030		
			14+040		
			14+050		
			14+060		
			14+070		
			14+080		
			14+090		
			14+100		
			14+110		
			14+120		
			14+130		
			14+140		
			14+150		
			14+160		
			14+170		
			14+180		
			14+190		
			14+200		
			14+210		
			14+220		
			14+230		
			14+240		
			14+250		
			14+260		
			14+270		
			14+280		
			14+290		
			14+300		
			14+310		
			14+320		
			14+330		
			14+340		
			14+350		
			14+360		
			14+370		
			14+380		
			14+390		
			14+400		
			14+410		
			14+420		
			14+430		
			14+440		
			14+450		
			14+460		
			14+470		
			14+480		
			14+490		
			14+500		
			14+510		
			14+520		
			14+530		
			14+540		
			14+550		
			14+560		
			14+570		
			14+580		
			14+590		
			14+600		
			14+610		
			14+620		
			14+630		
			14+640		
			14+650		
			14+660		
			14+670		
			14+680		
			14+690		
			14+700		
			14+710		
			14+720		
			14+730		
			14+740		
			14+750		
			14+760		
			14+770		
			14+780		
			14+790		
			14+800		
			14+810		
			14+820		
			14+830		
			14+840		
			14+850		
			14+860		
			14+870		
			14+880		
			14+890		
			14+900		
			14+910		
			14+920		
			14+930		
			14+940		
			14+950		
			14+960		
			14+970		
			14+980		
			14+990		
			15+000		
			15+010		
			15+020		
			15+030		
			15+040		
			15+050		
			15+060		
			15+070		
			15+080		
			15+090		
			15+100		
			15+110		
			15+120		
			15+130		
			15+140		
			15+150		
			15+160		
			15+170		
			15+180		
			15+190		
			15+200		
			15+210		
			15+220		
			15+230		
			15+240		
			15+250		
			15+260		
			15+270		
			15+280		
			15+290		
			15+300		
			15+310		
			15+320		
			15+330		
			15+340		
			15+350		
			15+360		
			15+370		
			15+380		
			15+390		

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

9.5.1 Status of Box Culvert: -

SN	LHS										Box Culvert Chainage	RHS												
	Protection Work	Parape 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	Paraped Wall
1											A1	00+043	A1											
											A2		A2											
2											A1	00+207	A1											
											A2		A2											
3											A1	00+341	A1											
											A2		A2											
4											A1	01+254	A1											
											A2		A2											
5											A1	01+652	A1											
											A2		A2											
6											A1	01+973	A1											
											A2		A2											
7											A1	02+143	A1											
											A2		A2											
8											A1	02+340	A1											
											A2		A2											
9											A1	02+440	A1											
											A2		A2											
10											A1	03+418	A1											
											A2		A2											
11											A1	03+646	A1											
											A2		A2											
12											A1	03+925	A1											
											A2		A2											
13											A1	04+018	A1											
											A2		A2											
14											A1	04+340	A1											
											A2		A2											
15											A1	04+534	A1											
											A2		A2											
16											A1	04+847	A1											
											A2		A2											
17											A1	05+126	A1											
											A2		A2											
18											A1	05+920	A1											
											A2		A2											
19											A1	06+190	A1											
											A2		A2											
20											A1	06+642	A1											
											A2		A2											
21											A1	07+668	A1											
											A2		A2											
22											A1	07+832	A1											
											A2		A2											
23											A1	07+906	A1											
											A2		A2											
24											A1	08+188	A1											
											A2		A2											
25											A1	08+926	A1											
											A2		A2											
26											A1	08+576	A1											
											A2		A2											
27											A1	09+543	A1											
											A2		A2											
28											A1	09+779	A1											
											A2		A2											
29											A1	10+529	A1											
											A2		A2											
30											A1	11+073	A1											
											A2		A2											
31											A1	11+921	A1											
											A2		A2											
32											A1	12+223	A1											
											A2		A2											
33											A1	12+663	A1											
											A2		A2											
34											A1	13+065	A1											
											A2		A2											
35											A1	13+380	A1											
											A2		A2											
36											A1	13+740	A1											
											A2		A2											

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

9.5.2 Status of SVUP Culvert:

SN	LHS									SVUP 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	Haunch	Wall 1st Lift	Wall 2nd Lift	Wall Final Lift	Top Haunch	Top Slab	Parapet Wall	Protection Work	
1											A1	03+728	A1												
											A2		A2												

9.5.3 Status of Minor Bridge: -

Sr.No	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	00+742	A1												
													A2		A2												
2													A1	01+768	A1												
													A2		A2												
3													A1	06+213	A1												
													A2		A2												
4													A1	07+306	A1												
													A2		A2												
5													A1	09+003	A1												
													A2		A2												
6													A1	09+293	A1												
													A2		A2												
7													A1	11+363	A1												
													A2		A2												
8													A1	14+195	A1												
													A2		A2												

9.5.3 Status of Major Bridge: -

SN	LHS											RHS															
	Miscellaneous Item	Crash Barrier	Approach Slab	Desk Slab	RCC Girder	Dirt Wall	Abutment Cap	Abutment Shaft	Abutment Pile Cap	Abutment Pile		Layout & Excavation	Abutment	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													00+526	A1													
														P1													
														P2													
														A2													
2													02+880	A1													
														P1													
														P2													
														A2													
3													05+322	A1													
														P1													
														P2													
														A2													

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

9.5.4 Status of ROB:-

SN	LHS										04+624	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	04+624	A1												
											A2		A2												
2											P1	04+624	P1												
											P2		P2												
													P3	P3											

9.5.5 Status of Underpass:-

SN	LHS										Underpass 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	1+142	A1											
												A2	LVUP	A2											
2												A1	3+886	A1											
												A2	LVUP	A2											
3												A1	4+212	A1											
												A2	LVUP	A2											
4												A1	5+414	A1											
												A2	LVUP	A2											
5												A1	7+213	A1											
												A2	LVUP	A2											
6												A1	9+332	A1											
												A2	LVUP	A2											
7												A1	10+098	A1											
												A2	LVUP	A2											
8												A1	10+834	A1											
												A2	LVUP	A2											
9												A1	12+310	A1											
												A2	LVUP	A2											
10												A1	03+728	A1											
												A2	SVUP	A2											
11												A1	2+999	A1											
												A2	VUP	A2											
12												A1	5+622	A1											
												A2	VUP	A2											

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												A1	02+999	A1											
												A2		A2											
2												A1	05+622	A1											
												A2		A2											

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: -5+600. 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 31st December, 2025 are enclosed.

10.3.1 Soil and Agreegates

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

10.3.2 Cement

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

10.3.3 Reinforcement Steel

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

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

10.3.4 Status of Materials Source approval

Cement				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Black Tiger Cement	MKCIL/ASSAM/PKG-07/106 dt. 24.03.2025		
2.	Dalmia Cement	MKCIL/ASSAM/PKG-07/107 dt. 24.03.2025	Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/34
3.	Max Cement	MKCIL/ASSAM/PKG-07/108 dt. 24.03.2025		
4.	Star Cement	MKCIL/ASSAM/PKG-07/109 dt. 24.03.2025		
5.	Amrit Cement	MKCIL/ASSAM/PKG-07/110 dt. 24.03.2025	Approved	TASPL-MAV/NH-37/MKCIL/2026/JAN/141

Reinforcement Steel				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Rashmi Metaliks Limited	MKCIL/ASSAM/PKG-07/483 dt. 25.11.2025	Approved	TASPL-MAV/NH-37/MKCIL/2026/JAN/139
2.	Shyam Steel industries Ltd.	MKCIL/ASSAM/PKG-07/112 dt. 24.03.2025	In-Principle Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/26
3.	SRMB Srijan Pvt. Ltd.	MKCIL/ASSAM/PKG-07/113 dt. 24.03.2025	In-Principle Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/32
4.	Shyam Metalics & Energy Ltd.	MKCIL/ASSAM/PKG-07/132 dt. 04.04.2025	Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/16
5.	Elegant steel	MKCIL/ASSAM/PKG-07/167 dt. 19.04.2025	Approved	TASPL-MAV/NH-37/MKICL/2025/AUG/59
6.	M/s AMIT METALINKS LTD	MKCIL/ASSAM/PKG-07/609 dt. 18.02.2026	Submitted	

Admixture				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Berger Paints Pvt. Ltd.	MKCIL/ASSAM/PKG-07/101 dt. 24.03.2025	Approved	TASPL-MAV/NH-37/MKCIL/2026/JAN/146
2.	CHRYSO India Pvt. Ltd	MKCIL/ASSAM/PKG-07/102 dt. 24.03.2025	Approved	TASPL-MAV/NH-37/MKCIL/2026/JAN/147
3.	CICO Technologies Ltd.	MKCIL/ASSAM/PKG-07/103 dt. 24.03.2025	Approved	TASPL-MAV/NH-37/MKICL/2025/SEPT/71
4.	FOSROC Chemicals (India) Ltd.	MKCIL/ASSAM/PKG-07/104 dt. 24.03.2025	Approved	TASPL-MAV/NH-37/MKICL/2025/SEPT/70
5.	Vista Chemtech Pvt. Ltd.	MKCIL/ASSAM/PKG-07/105 dt. 24.03.2025		
6.	Shyam Metalics & Energy Limited	MKCIL/ASSAM/PKG-07/132 Dt. 04.04.2025	Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/08
7.	STP Pvt Limited	MKCIL/ASSAM/PKG-07/491		

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8.	TP	MKCIL/ASSAM/PKG-07/492	Approved	TASPL-MAV/NH-37/MKCIL/2026/JAN/151
9.	HEXATRON Industries Limited	MKCIL/ASSAM/PKG-07/503	Approved	TASPL-MAV/NH-37/MKCIL/2026/JAN/145
10.	CAC Pvt Limited	MKCIL/ASSAM/PKG-07/489	Approved	TASPL-MAV/NH-37/MKCIL/2026/JAN/152

Other				
Sr. No.	Brand Name	Letter No.	Status	IE Letter No.
1.	Titan Technovators.	MKCIL/ASSAM/PKG-07/264 dt. 04.07.2025	Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/39
2.	Abhuva innovation	MKCIL/ASSAM/PKG-07/265 dt. 04.07.2025	Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/40
3.	Elegant steel	MKCIL/ASSAM/PKG-07/167 Dt 19.04.2025	Approved	TASPL-MAV/NH-37/MKCIL/2025/MAY/28
4.	Geogrid	MKCIL/ASSAM/PKG-07/577 Dt 19.04.2025	Submitted	
5.	Expansion Joint	MKCIL/ASSAM/PKG-07/578 Dt 19.04.2025	Submitted	
6.	Ms DP Wire,Usha Martin & TATA Steel	MKCIL/ASSAM/PKG-07/620 Dt 18.02.2026	Submitted	
7.	Ms HINCOL, HPCL, BITUMIX INDIA LLP & JALNIDHI BITUMEN	MKCIL/ASSAM/PKG-07/619 Dt 26.02.2026	Submitted	
8.	M/s Techfab India Industries Limited,GeoSys India & Maccaferri	MKCIL/ASSAM/PKG-07/606 Dt 18.02.2026	Submitted	
9.	OM SAI CONSULTANTS KNP PVT LTD	MKCIL/ASSAM/PKG-07/587 Dt 06.02.2026	Submitted	
10.	Shree Balaji Test House Pvt.Ltd	MKCIL/ASSAM/PKG-07/584 Dt 05.02.2026	Submitted	

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10.3.5 Monthly Laboratory Report

Sr.No.	Name of test	Reference as per IS/ MoRT&H	Frequency of Tests	Total Tests Conducted upto Previous Month			No. of Tests Conducted during this Month			No. of Tests Conducted upto this Month			No. of Tests Cecked by IE			% Checked by IE	Remarks
				Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
LAB & FIELD TEST'S																	
(I). OGL Samples		IRC :36-2010															
1.1	Free Swelling Index (FSI)	IS :2720 (P-40)	1 Test / Every 500 m Interval's	33	33	0	0	0	0	33	33	0	0	0	0	0.00	
1.2	Grain size analysis	IS :2720 (P-4)	1 Test / Every 500 m Interval's	33	33	0	0	0	0	33	33	0	0	0	0	0.00	
1.3	Liquid limits (LL)	IS :2720 (P-5)	1 Test / Every 500 m Interval's	33	33	0	0	0	0	33	33	0	0	0	0	0.00	
1.4	Plasticity Index (PI)	IS :2720 (P-5)	1 Test / Every 500 m Interval's	33	33	0	0	0	0	33	33	0	0	0	0	0.00	
1.5	Proctor test (MDD & OMC)	IS :2720 (P-8)	1 Test / Every 500 m Interval's	33	33	0	0	0	0	33	33	0	0	0	0	0.00	
1.6	California Bearing Ratio Test (CBR)	IS :2720 (P-16)	As Required	33	33	0	0	0	0	33	33	0	0	0	0	0.00	
1.7	Field Compaction Test (OGL)	IS :2720 (P-28)	1 Set / 3000 Sqm. (1Set = 10 Pit's)	333	320	13	0	0	0	333	320	13	0	0	0	0.00	
(II). Borrow area Samples (EMB/SG)		MoRT&H (Clause-305)															
2.1	Free Swelling Index (FSI)	IS :2720 (P-40)	2 Test's / 3000 Cum.	252	252	0	12	12	0	264	264	0	2	2	0	0.17	
2.2	Grain size analysis (GSA)	IS :2720 (P-4)	2 Test's / 3000 Cum.	252	252	0	12	12	0	264	264	0	2	2	0	0.17	
2.3	Liquid limits (LL)	IS :2720 (P-5)	2 Test's / 3000 Cum.	252	252	0	12	12	0	264	264	0	2	2	0	0.17	
2.4	Plasticity Index (PI)	IS :2720 (P-5)	2 Test's / 3000 Cum.	252	252	0	12	12	0	264	264	0	2	2	0	0.17	
2.5	Proctor test (MDD & OMC)	IS :2720 (P-8)	2 Test's / 3000 Cum.	252	252	0	12	12	0	264	264	0	2	2	0	0.17	
2.6	California Bearing Ratio Test (CBR)	IS :2720 (P-16)	1 Test's / 3000 Cum.	126	126	0	6	6	0	132	132	0	1	1	0	0.17	
2.7	Field Compaction Test (Emb)	IS :2720 (P-28)	1 Set / 3000 Sqm. (1Set = 10 Pit's)	976	954	23	1300	1290	10	2276	2244	33	129	126	3	0.10	
2.8	Field Compaction Test (Subgrade)	IS :2720 (P-28)	1 Set / 2000 Sqm. (1Set = 10 Pit's)	67	67	0	324	320	4	391	387	4	33	33	0	0.10	
(III). Course Agg. for Concrete Work's		MoRT&H Table -900-6															
4.1	Gradation of Coarse Aggregate	IS :2386 (P-1)	1 Test / Every day's work	221	204	17	28	28	0	249	232	17	3	3	0	10.71	
4.2	Flakiness Index (FI)	IS :2386 (P-1)	1 Test for source / Weekly	38	34	4	4	4	0	42	38	4	1	1	0	25.00	
4.3	Aggregate Impact Value (A.I.V)	IS :2386 (P-4)	1 Test for source / Weekly	38	34	4	4	4	0	42	38	4	1	1	0	25.00	
4.4	Specific Gravity	IS :2386 (P-3)	1 Test / Source	6	6	0	0	0	0	6	6	0	0	0	0	0.00	
4.5	Water Absorption	IS :2386 (P-3)	1 Test / Source	6	6	0	0	0	0	6	6	0	0	0	0	0.00	
4.6	Deleterious Constituents	IS :2386 (P-2)	1 Test / As Required	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
4.7	Moisture correction	IS :2386 (P-3)	1 Test / Day	253	253	0	28	28	0	281	281	0	2	2	0	7.14	
4.8	Soundness	IS :2386 (P-5)	1 Test / Source	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
4.9	Alkali Aggregate Reactivity	IS :2386 (P-7)	1 Test / Source	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
(IV). Fine Agg. for Concrete		MoRT&H Table -900-6															
5.1	Gradation	IS :383	1 Test / Every day's work	198	198	0	28	28	0	226	226	0	4	4	0	14.29	
5.2	Specific Gravity	IS :2386 (P-3)	1 Test / Source	6	6	0	0	0	0	6	6	0	0	0	0	0.00	
5.3	Water Absorption	IS :2720 (P-3)	1 Test / Source	6	6	0	0	0	0	6	6	0	0	0	0	0.00	
5.4	Silt Content	IS :383	1 Test / Weekly	38	38	0	4	4	0	42	42	0	1	1	0	25.00	
5.5	Moisture correction	IS :2386 (P-3)	1 Test / Every day's work	192	192	0	28	28	0	220	220	0	3	3	0	10.71	
(V). Concrete Cube's Compressive Strength Test		IS: 516															
♣ Grade of Concrete : M-10 PCC																	
6.1	for 7 days	IS :516	As per Frequency MoRT&H Table 1700-09	116	116	0	32	32	0	148	148	0	3	3	0	9.38	
6.2	for 28 days	IS :516	As per Frequency MoRT&H Table 1700-09	182	182	0	81	81	0	263	263	0	9	9	0	11.11	
♣ Grade of Concrete : M-15 PCC																	
6.3	for 7 days	IS :516	As per Frequency MoRT&H Table 1700-09	29	29	0	23	23	0	52	52	0	2	2	0	0.09	
6.4	for 28 days	IS :516	As per Frequency MoRT&H Table 1700-09	40	40	0	26	26	0	66	66	0	4	4	0	0.15	
♣ Grade of Concrete : M-20 PCC																	
6.5	for 7 days	IS :516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
6.6	for 28 days	IS :516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
♣ Grade of Concrete : M-20 RCC																	
6.7	for 7 days	IS :516	As per Frequency MoRT&H Table 1700-09	2	2	0	15	15	0	17	17	0	2	2	0	0.13	
6.8	for 28 days	IS :516	As per Frequency MoRT&H Table 1700-09	1	1	0	2	2	0	3	3	0	1	1	0	0.50	

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Grade of Concrete : M-20 for KERB																	
6.9	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6.1	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
Grade of Concrete : M-25 RCC																	
6.11	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	167	167	0	194	194	0	361	361	0	19	19	0	9.79	
6.12	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	264	264	0	162	162	0	426	426	0	21	21	0	12.96	
Grade of Concrete : M-30 RCC																	
6.13	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	155	155	0	10	10	0	165	165	0	3	3	0	30.00	
6.14	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	292	292	0	44	44	0	336	336	0	7	7	0	15.91	
Grade of Concrete : M-35 RCC																	
6.15	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	37	37	0	21	21	0	58	58	0	3	3	0	0.14	
6.16	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	148	148	0	72	72	0	220	220	0	9	9	0	0.13	
Grade of Concrete : M-35 Pile																	
6.17	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	21	21	0	33	33	0	54	54	0	5	5	0	0.15	
6.18	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	12	12	0	73	73	0	85	85	0	9	9	0	0.12	
Grade of Concrete : M-35 RE BLOCK																	
6.19	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	45	45	0	19	19	0	64	64	0	3	3	0	15.79	
6.2	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	83	83	0	52	52	0	135	135	0	10	10	0	19.23	
Grade of Concrete : M-40 RCC																	
6.21	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	11	11	0	24	24	0	35	35	0	3	3	0	12.50	
6.22	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	34	34	0	35	35	0	69	69	0	4	4	0	11.43	
Grade of Concrete : M-40 PILE																	
6.21	for 7 days	IS:516	As per Frequency MoRT&H Table 1700-09	128	128	0	2	2	0	130	130	0	1	1	0	50.00	
6.22	for 28 days	IS:516	As per Frequency MoRT&H Table 1700-09	307	307	0	144	144	0	451	451	0	18	18	0	12.50	
Grade of Concrete : M-55 GIRDER/PSC																	
6.25	for 7 days	IS:516	As per Frequency MoRT&H	15	15	0	7	7	0	22	22	0	2	2	0	28.57	
6.26	for 28 days	IS:516	As per Frequency MoRT&H	29	29	0	32	32	0	61	61	0	7	7	0	21.88	
(VI). Cement tests																	
7.1	Fineness of Cement	IS:4031 (P-1)	1 Test Every Batch of Cement	24	24	0	4	4	0	28	28	0	1	1	0	25.00	
7.2	Normal Consistency	IS:4031 (P-4)	1 Test Every Batch of Cement	24	24	0	4	4	0	28	28	0	1	1	0	25.00	
7.3	Initial Setting Time	IS:4031 (P-5)	1 Test Every Batch of Cement	24	24	0	4	4	0	28	28	0	1	1	0	25.00	
7.4	Final Setting time	IS:4031 (P-5)	1 Test Every Batch of Cement	24	24	0	4	4	0	28	28	0	1	1	0	25.00	
7.5	Compressive Strength (03 Days)	IS:516	1 Test Every Batch of Cement	31	31	0	6	6	0	37	37	0	2	2	0	33.33	
7.6	Compressive Strength (07 Days)	IS:516	1 Test Every Batch of Cement	29	29	0	6	6	0	35	35	0	1	1	0	16.67	
7.7	Compressive Strength (28 Days)	IS:516	1 Test Every Batch of Cement	26	26	0	5	5	0	31	31	0	2	2	0	40.00	
7.8	Soundness	IS:4031 (P-3)	1 Test Every Batch of Cement	2	2	0	0	0	0	2	2	0	0	0	0	0.0	
7.9	Specific Gravity	IS:4031 (P-11)	1 Test Every Batch of Cement	1	1	0	0	0	0	1	1	0	0	0	0	0.0	

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(VII). Granular Sub-Base (GSB)		MoRT&H Clause - 401																
8.1	Gradation	Table 400-2	1 Test /400 Cum.	30	30	0	0	0	0	0	0	30	30	0	0	0	0	#DIV/0!
8.2	Liquid limits (LL)	IS: 2720 (P-5)	1 Test /400 Cum.	2	2	0	0	0	0	0	2	2	0	0	0	0	0	0.00
8.3	Plasticity Index (PI)	IS: 2720 (P-5)	1 Test /400 Cum.	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0.00
8.4	Moisture Prior to Compaction Test	IS: 2720 (P-2)	1 Test /400 Cum.	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.5	Proctor test (MDD & OMC)	IS: 2720 (P-8)	1 Test Per Source / As Required	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8.6	California Bearing Ratio Test (CBR)	IS: 2720 (P-16)	1 Test Per Source / As Required	1	1	0	0	0	0	1	1	0	1	0	0	0	0	0.00
8.7	Water Absorption	IS: 2720 (P-3)	1 Test Per Source / As Required	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0.00
8.8	Aggregate Impact Value (AIV)	IS: 2386 (P-4)	As Required	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0.00
8.9	Field Compaction Test (GSB)	IS: 2720 (P-28)	1 Set / 1000 Sqm. (1Set = 3 Pts)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(VIII). Cement Treated Sub Base (CTSB)		MoRT&H Clause - 403 & IRC-37: 2018																
9.1	Gradation	MoRT&H Table 400-4	1 Test 400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.2	Liquid limits (LL)	IS: 2720 (P-5)	1 Test 400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.3	Plasticity Index (PI)	IS: 2720 (P-5)	1 Test 400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.4	Proctor test (MDD & OMC)	IS: 2720 (P-8)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.5	Unconfined Compressive Strength (UCS)	IS: 516	3 Specimens each 400 ton/ Minimum 2 tests per day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.6	Cement Content	IS: 516	3 Specimens each 400 ton/ Minimum 2 tests per day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.7	Flexural Strength	IS: 516	3 Specimens each 400 ton/ Minimum 2 tests per day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.8	Soundness Test	BIS: 4332 (P-4)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9.9	Field Compaction Test (CTSB)	IS: 2720 (P-28)	2 Test's 500 Sqm.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(IX). Cement Treated Base (CTB)		MoRT&H Clause - 403 & IRC-37: 2018																
10.1	Gradation	MoRT&H Table 400-4	1 Test 400 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.2	Proctor test (MDD & OMC)	IS: 2720 (P-8)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.3	Unconfined Compressive Strength (UCS)	IS: 516	3 Specimens each 400 ton/ Minimum 2 tests per day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.4	Cement Content	IS: 516	3 Specimens each 400 ton/ Minimum 2 Tests per day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.5	Flexural Strength	IS: 516	3 Specimens each 400 ton/ Minimum 2 Tests per day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.6	Soundness Test	BIS: 4332 (P-4)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10.7	Field Compaction Test (CTSB)	IS: 2720 (P-28)	2 Test's 500 Sqm.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(X). Wet Mix Macadam (WMM)		MoRT&H-406																
11.1	Gradation	Table 400-13	1 Test /200 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.2	Atterberg limits (LL & PI)	IS: 2720 (P-5)	1 Test /200 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.3	Proctor test (MDD Vs OMC)	IS: 2720 (P-8)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.4	Aggregate Impact Value (A.I.V)	IS: 2386 (P-4)	1 Test /1000 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.5	Combined Flakiness & Elongation (F1 & F2)	IS: 2386 (P-1)	1 Test /500 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.6	Water Absorption	IS: 2386 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.7	Soundness	IS: 2386 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11.8	Field Compaction Test (WMM)	IS: 2720 (P-28)	1 Set / 1000 Sqm. (1Set = 3 Pts)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(XI). Aggregate Inter Layer (AIL)		MoRT&H-406																
12.1	Gradation	Table 400-13	1 Test /200 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12.2	Atterberg limits (LL & PI)	IS: 2720 (P-5)	1 Test /200 Cum.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12.3	Proctor test (MDD & OMC)	IS: 2720 (P-8)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12.4	Aggregate Impact Value (A.I.V)	IS: 2386 (P-4)	1 Test / 1000 Cum	0	0	0	6	6	0	0	6	6	0	0	0	0	0	0.00
12.5	Combined Flakiness & Elongation (F1 & F2)	IS: 2386 (P-1)	1 Test /500 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12.6	Water Absorption	IS: 2386 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12.7	Soundness	IS: 2386 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12.8	Field Compaction Test (AIL)	IS: 2720 (P-28)	1 Set / 1000 Sqm. (1Set = 3 Pts)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
(XII). Dense Bituminous Macadam (DBM)		MoRT&H-500																
13.1	Binder Content & Gradation	As per MoRT&H	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.2	Mix Combined Gradation	As per MoRT&H	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.3	Marshall Test (In Sets)	ASTM-D :1559	1 Set/ 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.4	Aggregate Impact Value (A.I.V)	IS: 2386 (P-4)	1 Test / 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.5	Combined Flakiness & Elongation (F1 & F2)	IS: 2386 (P-1)	1 Test / 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.6	Water Absorption & Specific Gravity	IS: 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.7	Stripping Value	IS: 6241	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.8	Maximum Sp.Gravity (Gmm)	ASTM D 2041	1 Set/ 400 MTMIX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.9	Density of compacted layer	MoRT&H Sec:900	1 Test / 700 Sq.m	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.10	Soundness	IS: 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.11	Sand equivalent test	IS: 2720 (P-37)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.12	plasticity Index	MoRT&H Sec:900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.13	percentage of Fractured face	MoRT&H Sec:900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13.14	Polished Stone Value	BS: 812 (P-114)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

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(XIII). Bituminous Concrete (BC)		MoRTH-500														
14.1	Binder Content & Gradation	As per MoRTH	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.2	Mix Combined Gradation	As per MoRTH	1 Test / 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.3	Marshall Test (In Sets)	ASTM-D-1559	1 Test/ 400 Tonnes	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.4	Aggregate Impact Value (A.I.V)	IS: 2386 (P-4)	1 Test/ 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.5	Combined Flakiness & Elongation (FI & EI)	IS: 2386 (P-1)	1 Test / 350 Cum	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.6	Water Absorption & Specific Gravity	IS: 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.7	Stripping Value	IS: 6241	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.8	Maximum Sp.Gravity(Gmm)	ASTM D 2041	1 set/ 400 MTMix	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.9	Density of Compacted Layer	MoRTH Sec:900	1 test / 700 Sq.m	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.10	Soundness	IS: 2386 (P-3)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.11	Sand equivalent test	IS: 2720 (P-37)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.12	plasticity Index	MoRTH Sec:900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.13	percentage of Fractured face	MoRTH Sec:900	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
14.14	Polished Stone Value	BS 812 (P-114)	1 Test/ Source & As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XIV). Bitumen (VG-40)																
15.1	Softening Point(°c)	IS: 1205	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00	
15.2	Penetration at 25°c 100gm 5 Sec	IS: 1203	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00	
15.3	Ductility at 25°c	IS: 1208	As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
15.4	Absolute Viscosity at 60°/135°c (CST)	IS: 1206 (P-2)	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00	
15.5	Kinematic Viscosity at 135°c (CST)	IS: 1206 (P-3)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	
15.6	Specific Gravity at 27°c	IS: 2380 (P-4)	As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
15.7	Flash Point	IS: 1209 (IS: 1448 P-69)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	
15.8	Solubility Test	IS: 1216	As Required	0	0	0	0	0	0	0	0	0	0	0	0	
(XV). MODIFIED BITUMEN (PMB 76E-10)																
16.1	Specific Gravity at 27°c	IS: 2380 (P-4)	As Required	0	0	0	0	0	0	0	0	0	0	0	0.00	
16.2	Softening Point (°C)	IS: 1205	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00	
16.3	Separation, Difference in Softening Point (0°c)	IS: 15462:2019	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00	
16.4	Elastic Recovery at 15°c	IS: 15462:2019	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XVI). Emulsion (SS-1)																
17.1	Viscosity @ 25°c	IS: 8887:2004	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	
17.2	Water Content	IS: 8887:2004	As Required	0	0	0	0	0	0	0	0	0	0	0	0	
17.3	Prime coat	IS: 8887:2004	3 test / Day	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XVII). Emulsion (RS-1)																
18.1	Viscosity @ 50°c	IS: 8887:2004	1 Test Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	
18.2	Water Content	IS: 8887:2004	As Required	0	0	0	0	0	0	0	0	0	0	0	0	
18.3	Tack Coat	IS: 8887:2004	3 test / Day	0	0	0	0	0	0	0	0	0	0	0	0.00	
(XVIII). Lean Concrete (DLC)		MIX DESIGN	MoRTH&H-600													
13.1	Gradation	Table 600-1	1 test / day	10	10	0	1	1	0	11	11	0	1	1	0	100.00
13.2	Field Compaction Test	IS: 2720 (P-28)	1 Set(3 pit) of tests / 2000 sqm.	0	0	0	3	3	0	3	3	0	1	1	0	33.33
13.3	Proctor test (MDD & OMC)	IS: 2720 (P-8)	As required	2	2	0	0	0	0	2	2	0	0	0	0	#DIV/0!
13.4	Aggregate Impact Value (A.I.V)	IS: 2386 (P-4)	As required	2	2	0	1	1	0	3	3	0	1	1	0	100.00
13.5	Flakiness & Elongation (FI & EI)	IS: 2386 (P-1)	As required	1	1	0	1	1	0	2	2	0	1	1	0	100.00
13.6	Water Absorption	IS: 2386 (P-3)	As required	1	1	0	0	0	0	1	1	0	0	0	0	#DIV/0!
13.7	Moisture correction	IS: 2386 (P-3)	1 test / Day	1	1	0	1	1	0	2	2	0	1	1	0	100.00
13.8	Compressive Strength (07 day's)	IS: 516	07 days/ Each Day 5 Cube's	6	6	0	3	3	0	9	9	0	1	1	0	33.33
(XIX). Pavement Quality Concrete (PQC)		MIX DESIGN	MoRTH&H-600													
14.1	Gradation	Table 600-1	1 Test / Day	20	20	0	0	0	0	20	20	0	0	0	0	#DIV/0!
14.2	Aggregate Impact Value (A.I.V)	IS: 2386 (P-4)	As Required	2	2	0	0	0	0	2	2	0	0	0	0	#DIV/0!
14.3	Flakiness & Elongation (FI & EI)	IS: 2386 (P-1)	As Required	1	1	0	0	0	0	1	1	0	0	0	0	#DIV/0!
14.4	Water Absorption	IS: 2386 (P-3)	As Required	1	1	0	0	0	0	1	1	0	0	0	0	#DIV/0!
14.5	Slump Test	IS: 1199	1 Test Each Dumper	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14.6	Compressive Strength (07 day's)	IS: 516	Compressive Strength (07 day's)	6	6	0	0	0	0	6	6	0	0	0	0	#DIV/0!
14.7	Compressive Strength (28 day's)	IS: 516	Compressive Strength (28 day's)	6	6	0	0	0	0	6	6	0	0	0	0	#DIV/0!
14.8	Flexural Strength (07 day's)	IS: 516	As per Frequency 02 Beam's /150 Cum	6	6	0	0	0	0	6	6	0	0	0	0	#DIV/0!
14.9	Flexural Strength (28 day's)	IS: 516	(Min. 6 Beam's)	6	6	0	0	0	0	6	6	0	0	0	0	#DIV/0!

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THIRD PARTY TESTS (NABL ACCREDITED LABORATORY)															
(XX). Coarse Aggregates															
18.1	Gradation	IS :2386 (P-1)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.2	Fl & El	IS :2386 (P-1)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.3	Aggregate Impact Value	IS :2386 (P-4)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.4	Specific Gravity	IS :2386 (P-3)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.5	Water Absorption	IS :2386 (P-3)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.6	Deleterious Content	IS :2386 (P-1)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.7	L.A.V.	IS :2386 (P-4)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.8	Alkali Aggregate Reactivity	IS :2386 (P-7)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.9	Soundness	IS :2386 (P-5)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.10	Petrographic Examination	IS :2386 (P-8)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
18.11	Stone Polished Value	BS-812 (P-114)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
(XXI). Fine Aggregates															
19.1	Gradation	IS :383	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.2	Specific Gravity	IS :2386 (P-3)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.3	Water Absorption	IS :2386 (P-3)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.4	Deleterious Content	IS :2386 (P-1)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.5	Silt Content	IS :2386 (P-4)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.6	Alkali Aggregate Reactivity	IS :2386 (P-7)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.7	Soundness	IS :2386 (P-5)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.8	Organic Impurities	IS :2386 (P-8)	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
19.9	Fineness Modulus	IS :383	1 Test / Source	2	2	0	0	0	0	2	2	0	0	0	0.00
(XXII). TMT Bar's (Steel)															
20.1	Physical properties	IS :1786	< 10mm - 1 sample/25 MT, 10-16mm-1sample/35 MT,	6	6	0	0	0	0	6	6	0	0	0	0.00
20.2	Chemical properties	IS :1786	> 16mm - 1 sample/45 MT	6	6	0	0	0	0	6	6	0	0	0	0.00
20.3	Factory Visit	IS :1786	Elegant Steel Jointly	1	1	0	1	1	0	2	2	0	1	1	100.00
(XXIII). Construction Water															
21.1	Suitability for construction	IS :456	1 Test Per Source / As Required	1	1	0	0	0	0	1	1	0	0	0	0.00
(XXIV). Chemical Admixture															
22.1	Physical & Chemical properties	IS :9103	1 Test / Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00
(XXV). Cement (OPC-53 Grade)															
23.1	Physical & Chemical properties	IS :8112	1 Test / Source	0	0	0	0	0	0	0	0	0	0	0	0.00
(XXVI). Soil - Borrow Area															
24.1	Mechanical	IS :2720 (P-39)	1 Test / Source	0	0	0	0	0	0	0	0	0	0	0	0.00
(XXVII). NP-4 Hume Pipe Test															
25.1	600 MM	IS :458	1 test per Lot / of 50 Pipes	0	0	0	0	0	0	0	0	0	0	0	0.00
(XXVIII). Bitumen (Emulsion)															
26.1	Bitumen Emulsion SS-1	IS :8887	1 Test / Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00
26.2	Bitumen Emulsion RS-1	IS :8887	1 Test / Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00
(XXIX). Bitumen (VG-40)															
27.1	Bitumen VG-40	IS :73	1 Test / Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00
(XXX). Bitumen (PMB)															
28.1	Bitumen PMB	IS :15462-2019	1 Test / Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00
(XXXI). Curing Compound															
29.1	Physical & Chemical properties	ASTM C309	1 Test / Per Lot	0	0	0	0	0	0	0	0	0	0	0	0.00

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10.3.6 Lab Equipment List

LAB EQUIPMENT FOR ASSAM PKG-07			
SINO.	Description of Goods	Quantity	
1	COA RSE SIEVES	45 C M DIA-GI-75.0 M M	2.0 No s
2	COA RSE SIEVES	45 C M DIA-GI-63.0 M M	2.0 No s
3	COA RSE SIEVES	45 C M DIA-GI-53.0 M M	2.0 No s
4	COA RSE SIEVES	45 C M DIA-GI-50.0 M M	2.0 No s
5	COA RSE SIEVES	45 C M DIA-GI-45.0 M M	2.0 No s
6	COA RSE SIEVES	45 C M DIA-GI-40.0 M M	2.0 No s
7	COA RSE SIEVES	45 C M DIA-GI-37.5 M M	2.0 No s
8	COA RSE SIEVES	45 C M DIA-GI-31.5 M M	2.0 No s
9	COA RSE SIEVES	45 C M DIA-GI-25.0 M M	2.0 No s
10	COA RSE SIEVES	45 C M DIA-GI-26.5 M M	2.0 No s
11	COA RSE SIEVES	45 C M DIA-GI-22.4 M M	2.0 No s
12	COA RSE SIEVES	45 C M DIA-GI-20.0 M M	2.0 No s
13	COA RSE SIEVES	45 C M DIA-GI-19.0 M M	2.0 No s
14	COA RSE SIEVES	45 C M DIA-GI-16.0 M M	2.0 No s
15	COA RSE SIEVES	45 C M DIA-GI-14.0 M M	2.0 No s
16	COA RSE SIEVES	45 C M DIA-GI-13.20 M M	2.0 No s
17	COA RSE SIEVES	45 C M DIA-GI-12.50 M M	2.0 No s
18	COA RSE SIEVES	45 C M DIA-GI-11.20 M M	2.0 No s
19	COA RSE SIEVES	45 C M DIA-GI-10.00 M M	2.0 No s
20	COA RSE SIEVES	45 C M DIA-GI-9.5 M M	2.0 No s
21	COA RSE SIEVES	45 C M DIA-GI-6.7 M M	2.0 No s
22	COA RSE SIEVES	45 C M DIA-GI-6.3 M M	2.0 No s
23	COA RSE SIEVES	45 C M DIA-GI-5.6 M M	2.0 No s
24	COA RSE SIEVES	45 C M DIA-GI-4.75 M M	2.0 No s
25	COA RSE SIEVES	45 C M DIA-GI-2.8 M M	2.0 No s
26	COA RSE SIEVES	45 C M DIA-GI-2.36 M M	2.0 No s
27	COA RSE SIEVES	45 C M DIA-GI-1.18 M M	2.0 No s
28	Lid & P an	45 C M DIA-GI F ram e -450 M M	2.0 No s
29	FINE SIEVES	20 C M DIA-BR ASS-10 M M	2.0 No s
30	FINE SIEVES	20 C M DIA-BR ASS-6.3 M M	1.0 No s
31	FINE SIEVES	20 C M DIA-BR ASS-5.6 M M	2.0 No s
32	FINE SIEVES	20 C M DIA-BR ASS-5.0 M M	1.0 No s
33	FINE SIEVES	20 C M DIA-BR ASS-4.75 M M	2.0 No s
34	FINE SIEVES	20 C M DIA-BR ASS-3.35 M M	1.0 No s
35	FINE SIEVES	20 C M DIA-BR ASS-2.80 M M	2.0 No s
36	FINE SIEVES	20 C M DIA-BR ASS-2.36 M M	4.0 No s
37	FINE SIEVES	20 C M DIA-BR ASS-2.0 M M	2.0 No s
38	FINE SIEVES	20 C M DIA-BR ASS-1.4 M M	2.0 No s
39	FINE SIEVES	20 C M DIA-BR ASS-1.7 M M	2.0 No s
40	FINE SIEVES	20 C M DIA-BR ASS-1.18 M M	2.0 No s
41	FINE SIEVES	20 C M DIA-BR ASS-1.00 M M	2.0 No s
42	FINE SIEVES	20 C M DIA-BR ASS-0.850 M M	2.0 No s
43	FINE SIEVES	20 C M DIA-BR ASS-0.710 M M	2.0 No s
44	FINE SIEVES	20 C M DIA-BR ASS-0.600 M M	4.0 No s
45	FINE SIEVES	20 C M DIA-BR ASS-0.500 M M	2.0 No s
46	FINE SIEVES	20 C M DIA-BR ASS-0.425 M M	2.0 No s
47	FINE SIEVES	20 C M DIA-BR ASS-0.355 M M	1.0 No s
48	FINE SIEVES	20 C M DIA-BR ASS-0.300 M M	4.0 No s
49	FINE SIEVES	20 C M DIA-BR ASS-0.212 M M	2.0 No s
50	FINE SIEVES	20 C M DIA-BR ASS-0.180 M M	2.0 No s

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51	FINE SIEVES	20 CM DIA-B RASS-0.150 MM	4.0 No s
52	FINE SIEVES	20 CM DIA-B RASS-0.125 MM	2.0 No s
53	FINE SIEVES	20 CM DIA-B RASS-0.090 MM	2.0 No s
54	FINE SIEVES	20 CM DIA-B RASS-0.075 MM	5.0 No s
55	FINE SIEVES	20 CM DIA-B RASS-0.045 MM	2.0 No s
56	Lid & Pan	20 C M DIA-B R A S S F r a m e -200 M	2.0 No s
57	Ele. Weight. B alance	50 Kg	3.0 No s
58	Ele. Weight. B alance	30 Kg	3.0 No s
59	Ele. Weight. B alance	15 Kg	2.0 No s
60	Ele. Weight. B alance	10 Kg	2.0 No s
61	Precision Ele. B alance	0.6 Kg	2.0 No s
62	Hot Oven Air	90*60*60 c m	1.0 No s
63	Length gauge		2.0 No s
64	flackiness Gauge		2.0 No s
65	A IV Machine		1.0 No s
66	Picno meter Bottle		2.0 No s
67	Vibrating Machine w ith Digital Timer & Mo uld		1.0 No s
68	Vicat Appratus Needle		1.0 No s
69	Glass Plate	450*450*8 m m	1.0 No s
70	Cube Mould	15 c m	80.0 No s
71	Cube Mould	7.06 c m	18.0 No s
72	Cube Mould	10 c m	18.0 No s
73	Slump Test w ith Tamping Rod		6.0 No s
74	Water Bath For Soundness		1.0 No s
75	Le-Chatlier Mould	s et o f 6	1.0 No s
76	Gauging Trow el	150 m m	4.0 No s
77	Concrete Mixer		1.0 No s
78	Vibrating Table	100*100 cm	1.0 No s
79	MDD Mould	Standard 100 m m	4.0 No s
80	MDD Mould	M o d i f i e d 150 m m	2.0 No s
81	CBR Rammer	2.6kg	1.0 No s
82	CBR Rammer	4.89kg	4.0 No s
83	LL Device Hand Operated		1.0 No s
84	Cone Penetrometer		1.0 No s
85	Evapo rating B asin	150 m m	2.0 No s
86	CBR Load Frame		1.0 No s
87	CBR Mould Mld w ith collar & Base Plate	150 m m	24.0 No s
88	Surcharge w eight	Annular (2.5 kg)	24.0 No s
89	Surcharge w eight	Slo tte d (2.5 kg)	24.0 No s
90	Perfo rated P late		24.0 No s
91	Spacer Disk		2.0 No s
92	Straight Edge	300 m m	2.0 No s
93	PL appratus		2.0 No s
94	RMM Digital w t. B alance		4.0 No s
95	Sand Po uring Cylinder	100 m m	2.0 No s
96	Tray fo r Sand P ouring Cylinder		2.0 No s
97	Container for Sand Po uring Cylinder		2.0 No s
98	Sand Po uring Cylinder	150 m m	1.0 No s
99	Tray fo r Sand P ouring Cylinder		1.0 No s
100	Container for Sand Po uring Cylinder		1.0 No s

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

101	Sand Pouring Cylinder	200 m m	2.0 No s
102	Tray for Sand Pouring Cylinder		2.0 No s
103	Container for Sand Pouring Cylinder		2.0 No s
104	Moisture Cane	50m m	50.0 No s
105	Moisture Cane	75m m	70.0 No s
106	Moisture Cane	100m m	70.0 No s
107	Calcium carbide	500 gm.	10 B o ttle
108	Proving Ring	25KN	2.0 No s
109	Proving Ring	50KN	2.0 No s
110	Dial Gauge	0.01*25m m	4.0 No s
111	Measuring Tape	5 M etre	2.0 No s
112	Measuring Tape	30 M etre	2.0 No s
113	Sto pw atch		2.0 No s
114	Standard Sand (Grade-1)	25 Kg	5 B ags
115	Standard Sand (Grade-2)	25 Kg	5 B ags
116	Standard Sand (Grade-3)	25 Kg	5 B ags
117	Enamel Tray	600*450*50	6.0 No s
118	Enamel Tray	250mm	20.0 No s
119	GI Tray	1000*1000*100	2.0 No s
120	Enamel Tray	300*250*40	6.0 No s
121	Filter Paper for CBR	150 mm	10 P acket
122	Rubber Mallet		4.0 No s
123	Nylon Hammer		2.0 No s
124	Filter Paper for Marshall Test	100 mm	10 P acket
125	Measuring Cylinder B orosill	100 ml	20.0 No s
126	Measuring Cylinder Plastic	250 m l	2.0 No s
127	Measuring Cylinder Glass	250 m l	2.0 No s
128	Measuring Cylinder Plastic	500 m l	2.0 No s
129	Measuring Cylinder Plastic	1000 ml	2.0 No s
130	Vernier Caliver	300 m m	1.0 No s
131	Digital Thermo meter	Pen Type	2.0 No s
132	Rain Gauge		1.0 No s
133	Gas Stove Single Burner		2.0 No s
134	Hammer with Handle	500 gm.	4.0 No s
135	Chiesel	25*300 m m	4.0 No s
136	Density Spoon		4.0 No s
137	Finishing Trow el		10.0 No s
138	Mashinory Trow el		10.0 No s
139	Spade		2.0 No s
140	Shovel		2.0 No s
141	Round Hot Plate		1.0 No s
142	Wash B o ttle Plastic	500 m l	1.0 No s
143	Wash Bottle Plastic	1000 ml	1.0 No s
144	Ghamela GI		2.0 No s
145	Hydrometer	SG=1.0-1.5	2.0 No s
146	Density Hydrometer	SG=0.80-0.85	2.0 No s
147	Hand Gloves		5.0 No s
148	Hand Gloves Rubber		5.0 No s
149	Scoop		4.0 No s
150	Measuring Scoop	1000 ml	2.0 No s

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

151	Spatula		4.0 No s
152	Pneumatic Scooter Wheel	4.18 Cft	1.0 No s
153	Beam Mould	10*10*50 c m	9.0 No s
154	Cylindrical Mould	150*300 mm	3.0 No s
155	Marsh Cone Funnel		2.0 No s
156	PH Meter		2.0 No s
157	TDS Meter		2.0 No s
158	Hot Air Oven Digital	24*24 Inc h	1.0 No s
159	Hot Air Oven Thermostat	18*18 Inch	1.0 No s
160	Buoyancy Balance Apparatus		1.0 No s
161	Specific Gravity Apparatus		1.0Nos
162	Rebound Hammer		1.0Nos
163	DLC Hammer		1.0Nos

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

11.1 Outward Letter

Sr. No.	Letter No.	Date	Subject	To
1	<u>MKCIL/ASSAM/PKG-07/583</u>	05-02-26	Submission of Test Sample for 3rd party testing of soil for C&Φ(PHI) value test	Avian Test Lab Pvt. Ltd.
2	<u>MKCIL/ASSAM/PKG-07/584</u>	05-02-26	Submission of Company Profile/Credential for source approval of Third-Party Laboratory (Shree Balaji Test House Pvt.Ltd)	TL (TASPL)
3	<u>MKCIL/ASSAM/PKG-07/585</u>	05-02-26	Permission required for layout, excavation & starting of Pile Foundation work at ROB CH.4+624/ Railway Km.193+800	GM (NHIDCL)
4	<u>MKCIL/ASSAM/PKG-07/586</u>	06-02-26	Submission of Monthly Progress Report for the month of January-2026	TL (TASPL)
5	<u>MKCIL/ASSAM/PKG-07/587</u>	06-02-26	Reg- Submission of Company Profile-Credential for source approval of Third-Party Laboratory (OM SAI CONSULTANTS KNP PVT LTD)	TL (TASPL)
6	<u>MKCIL/ASSAM/PKG-07/590</u>	09-02-26	Notification for Occurrence of Major Delays in shifting of Electrical Utility due to Hindrances at Project Site & non availability of encumbrance free right of way as per Article 10 and Clause 10.3 & 10.4	TL (TASPL)
7	<u>MKCIL/ASSAM/PKG-07/591</u>	10-02-26	Regarding Submission of Typical Drawing for Metal Beam Crash Barrier (W-Beam)	TL (TASPL)
8	<u>MKCIL/ASSAM/PKG-07/593</u>	11-02-26	Regarding Submission of QAP, WPSS & TAD	GM (NHIDCL)

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

			Launching Scheme for ROB at Ch. 04+624	
9	<u>MKCIL/ASSAM/PKG-07/595</u>	12-02-26	Regarding Submission of Revised D&D for Super Structure of MJBs at Ch.00+526, 02+893 & 05+322	TL (TASPL)
10	<u>MKCIL/ASSAM/PKG-07/596</u>	13-02-26	Permission required for layout, excavation & starting of Pile Foundation work at ROB CH.4+624 /Railway Km.193+800	TL (TASPL)
11	<u>MKCIL/ASSAM/PKG-07/600</u>	16-02-26	BOOK	
12	<u>MKCIL/ASSAM/PKG-07/601</u>	16-02-26	Submission of Mix Design of Wet Mix Macadam (WMM)".	TL (TASPL)
13	<u>MKCIL/ASSAM/PKG-07/602</u>	17-02-26	Submission of Work Zone Traffic Management Plan (WTMP)	GM (NHIDCL)
14	<u>MKCIL/ASSAM/PKG-07/603</u>	17-02-26	Submission of Fund Utilization CA Certificate up to January 2026	GM (NHIDCL)
15	<u>MKCIL/ASSAM/PKG-07/604</u>	17-02-26	Reminder regarding Delay in Providing Encumbrance-Free Right of Way (RoW) as per Article 10 of Concession Agreement	TL (TASPL)
16	<u>MKCIL/ASSAM/PKG-07/605</u>	17-02-26	Reg.Submission of Payment Milestone-IV (4th)	TL (TASPL)
17	<u>MKCIL/ASSAM/PKG-07/606</u>	18-02-26	Submission of Company Profile & Credential of Ms Techfab India Industries Limited, GeoSys India & Maccaferi for source approval	TL (TASPL)
18	<u>MKCIL/ASSAM/PKG-07/607</u>	18-02-26	Submission of Test Report of Borrow Area Soil for	TL (TASPL)

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

			Approval to be used in Embankment/Subgrade	
19	<u>MKCIL/ASSAM/PKG-07/609</u>	18-02-26	Submission of Company Profile & Credential of Ms Amit Metalinks for Source Approval of Steel Reinforcement	TL (TASPL)
20	<u>MKCIL/ASSAM/PKG-07/611</u>	20-02-26	Submission of Extended Performance Security in the form of Surety Bond	ED(NHIDCL)
21	<u>MKCIL/ASSAM/PKG-07/618</u>	26-02-26	Submission of Company Profile Credential for source approval of Third-Party Laboratory ETTL_Chum Test of Pile	TL (TASPL)
22	<u>MKCIL/ASSAM/PKG-07/619</u>	26-02-26	Submission of Company Profile & Credential of Ms HINCOL, HPCL, BITUMIX INDIA LLP & JALNIDHI BITUMEN for Source Approval of Bitumen (VG-40 & VG-30) and Emulsion (SS-1 & RS-1)	TL (TASPL)
23	<u>MKCIL/ASSAM/PKG-07/620</u>	26-02-26	"Submission of Company Profile & Credential of Ms DP Wire,Usha Martin & TATA Steel for Source Approval of LRPC CableHT-Strands "	TL (TASPL)

11.2 Inward Letter (NHIDCL & TASPL)

Sr. No.	Letter No.	Date	Subject	From
1	<u>TASPL-MAV/NH-37/MKCIL/2026/Feb/164</u>	03-02-26	COMPLIANCE SUBMISSION OF OBSERVATION ON DESIGN & DRAWINGS AT CH. 3+000 & 5+624	TASPL
2	<u>TASPL-MAV/NH-37/MKCIL/2026/Feb/165</u>	09-02-26	To PMU Letter No. 165 Submission of Monthly Inspection Report for the Month of January - 2026 (MIR No.09). Reg	TASPL
3	<u>TASPL-MAV/NH-37/MKCIL/2026/Feb/166</u>	11-02-26	Source Approval of Soil from Borrow Area No. (4) Mahishasan	TASPL

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

			(At Ch. 10+100) and (5) Laxmi Narayan (At. Ch.4+200)	
4	<u>TASPL-MAV/NH-37/MKCIL/2026/Feb/167</u>	11-02-26	Achievement of Project Milestone-1”	TASPL
5	<u>TASPL-MAV/NH-37/MKCIL/2026/Feb/169</u>	20-02-26	Regarding Submission of QAP, WPSS & Temporary Arrangement Drawings/Launching Scheme for ROB at Ch. 04+624	TASPL
6	<u>TASPL-MAV/NH-37/MKCIL/2026/Feb/170</u>	25-02-26	Return of PMS-04 – Non-Submission of Mandatory Documents”	TASPL
7	<u>TASPL-MAV/NH-37/MKCIL/2026/Feb/171</u>	27-02-26	Submission of Royalty Challans and Joint Sampling & Third-Party Testing – Embankment Material Filled Till Date.	TASPL
8	<u>NHIDCL/PMU-Karimganj/MKC/Pkg-7/2026-27/606</u>	03-02-26	Forwarding regarding Deteriorated condition of NH-8 and NH-37 passing through Sribhumi town, Bhanga, Nilambazar, Kayasthagram, Fakira Bazar and Baraigram in Sribhumi District-reg.	NHIDCL (PMU-Karimganj)
9	<u>NHIDCL/PMU-Karimganj/MKC/Pkg-7/2026-27/610</u>	09-02-26	Reg:- L-610, Forwarding regarding damageing of Karimganj-Lakshmibazar Road from Ch. 3+155.00 m to 3+637.00m- (Pkg-7)	NHIDCL (PMU-Karimganj)
10	<u>NHIDCL/PMU-Karimganj/NFR/ROB/Pkg-7/2026-27/611</u>	09-02-26	L-611, Regarding confirmation of the Submission status of QAP, WPSS & Temporary Arrangement Drawings/Launching Scheme for ROB at Karimganj Bypass (Ch. 4+624) NFRLMG0034 in LMG Division-reg. (Pkg-07)	NHIDCL (PMU-Karimganj)
11	<u>NHIDCL/PMU-Karimganj/MKC/Pkg-7/2026-27/615</u>	09-02-26	Regarding submission of Work Zone Traffic Management Plan (WTMP)-reg.(Pkg -07)	NHIDCL (PMU-Karimganj)
12	<u>NHIDCL/PMU-Karimganj/MKC/Pkg-7/2026-27/637</u>	21-02-26	Regarding Caring out Short-Term Maintenance Works at Risk & Cost of Cocessionaire-Req.	NHIDCL (PMU-Karimganj)

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

CHAPTER-12
NON-CONFORMANCE REPORT

Sl. No.	NCR Letter reference no.	Date	NCR No.	Subject	Closure By letter No.	Date	Remarks
1	TAPSL-MAV/NH-37/MKCIL/2025/OCT/53	05.08.2025	1	Non-Compliance with Safety Norms at Ch. 12+800 to 13+500 (LHS).”	MKCIL/ASSAM/ PKG-07/336	22.08.2025	
2	TAPSL-MAV/NH-37/MKCIL/2025/OCT/91	10.10.2025	2	Non-Compliance with Safety Norms at Ch. 12+300 to 12+500 (LHS).”	MKCIL/ASSAM/ PKG-7/409	14.10.2025	

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

**CHAPTER-13
WEATHER REPORT**

Sl. no.	Date	Temperature (In °c)		Humidity (In %)		Rainfall (mm)	Weather Condition	Remarks
		Maximum	Minimum	Maximum	Minimum			
1	01-02-26	19.2	18.3	67.0	65.0	0.00	Sunny	
2	02-02-26	17.9	16.4	70.0	67.0	0.00	Sunny	
3	03-02-26	22.0	20.4	66.0	59.0	0.00	Sunny	
4	04-02-26	20.9	18.9	67.0	56.0	0.00	Sunny	
5	05-02-26	20.3	17.9	67.0	57.0	0.00	Sunny	
6	06-02-26	19.8	17.3	65.0	56.0	0.00	Sunny	
7	07-02-26	20.1	17.7	67.0	56.0	0.00	Sunny	
8	08-02-26	19.9	17.1	61.0	56.0	0.00	Sunny	
9	09-02-26	20.3	17.9	62.0	50.0	0.00	Sunny	
10	10-02-26	20.2	17.9	62.0	53.0	0.00	Sunny	
11	11-02-26	21.1	18.1	64.0	52.0	0.00	Sunny	
12	12-02-26	22.5	18.9	62.0	56.0	0.00	Sunny	
13	13-02-26	21.4	19.1	64.0	58.0	0.00	Sunny	
14	14-02-26	21.9	19.7	65.0	58.0	0.00	Sunny	
15	15-02-26	21.1	18.9	68.0	58.0	0.00	Sunny	
16	16-02-26	22	19.2	64.0	60.0	0.00	Sunny	
17	17-02-26	22.3	19.7	63.0	54.0	0.00	Sunny	
18	18-02-26	22.8	20.4	60.0	56.0	0.00	Sunny	
19	19-02-26	23.1	21.3	58.0	51.0	0.00	Sunny	
20	20-02-26	23.6	20.4	61.0	53.0	0.00	Sunny	
21	21-02-26	23.5	21.0	68.0	65.0	0.00	Sunny	
22	22-02-26	23.3	21.1	62.0	54.0	0.00	Sunny	
23	23-02-26	23.5	21.5	61.0	55.0	0.00	Sunny	
24	24-02-26	24.3	21.7	65.0	57.0	0.00	Sunny	
25	25-02-26	23.4	21.4	66.0	56.0	0.00	Sunny	
26	26-02-26	22.7	21.1	64.0	56.0	0.00	Sunny	
27	27-02-26	22.7	20.7	65.0	56.0	0.00	Sunny	
28	28-02-26	22.5	20.1	62.0	54.0	0.00	Sunny	

Rainfall Data				
Sr.no.	Description	Total Rainfall	Up to previous month	This month
1	Rainfall	7967.1	7967.1	0

The maximum & minimum weather records are summarized below:

TEMPERATURE/ RAINFALL PERIOD: 1 st February, 2026 to 28 th February, 2026				
Temperature		Rainfall		
Maximum (in °C)	Minimum (in °C)	Maximum (in mm)	Minimum (in mm)	Total Days
24.3	16.4	0	0	0

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

**CHAPTER-14
ACCIDENT REPORT**

NIL

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

CHAPTER-15
ROAD MAINTENANCE & SAFETY REPORT

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

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.

CHAPTER-16
PROJECT PROGRESS PHOTOGRAPHS



PSC Girder Concrete Pouring in Progress at Ch- 00+526 At MJB



Pier Cap Concrete Pouring In Progress Ch- 00+526 At MJB

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.



LVUP Final Lift Concrete Work In Progress At Ch- 10+098



MJB- Pier Shaft Final Lift Concrete in Progress At 5+332 ROB- P1 Pile Cage in Progress At Ch-4+624

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.



MNB Raft Concrete Pouring In Progress At Ch- 11+351

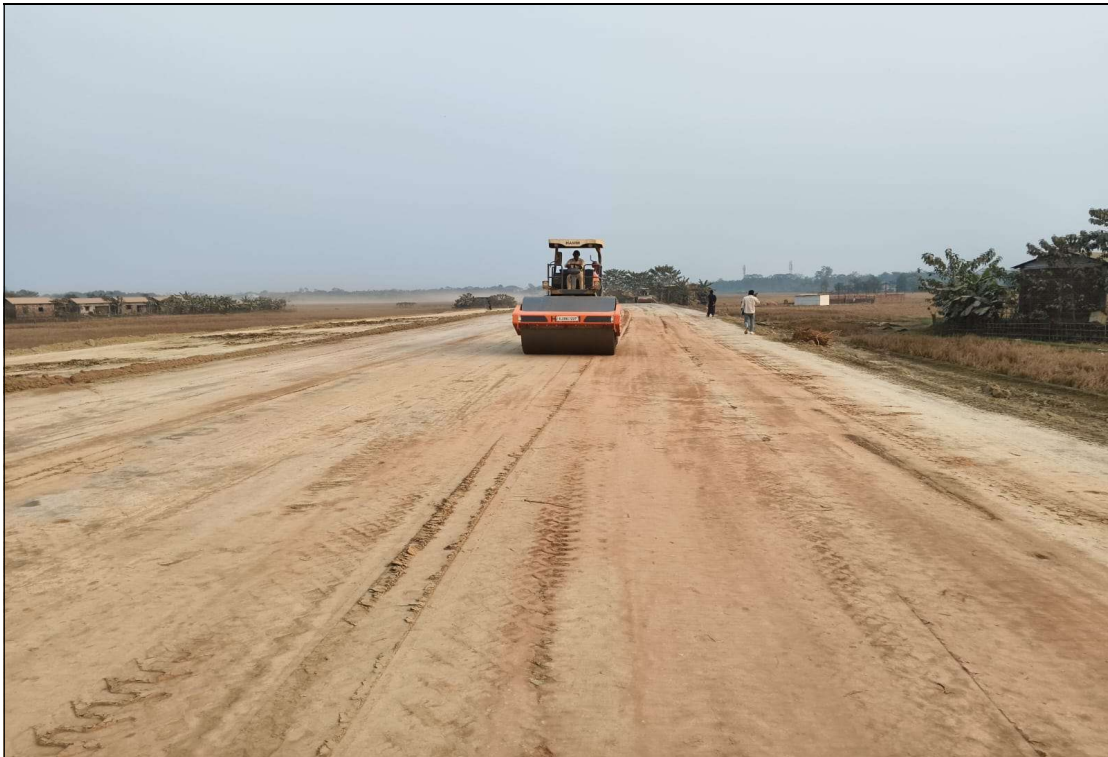


RE- BLOCK Erection Pcc In Progress at Ch- 04+200

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.



Embankment Layer in Progress at Ch- 06+420 To 06+600 BHS



Subgrade Top in Progress at Ch- 06+700 To 06+820 BHS

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.



Cross Hole Ultrasonic Monitor(CHUP TEST) In Progress Ch- 04+624 At ROB



FSI Laboratory Test Of Soil

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.



Geo-Grid Laying Work In Progress Ch- 04+200



A1 Abutment Cap Concrete Pouring In Progress Ch- 05+332 At MJB

4-L of NH 37 from design Ch 0+020 on NH-8 near Karimganj to design Chainage 14+380 near Sutarkandi (Spur Connectivity to Indo/Bangladesh Border) Silchar-Churaibari Pkg-7 in the State of Assam on HAM mode.



BUP Wall 2nd Lift Concrete Pouring In Progress At Ch- 04+534



FDD Testing For Embankment Top At Ch- 01+500 To 01+600