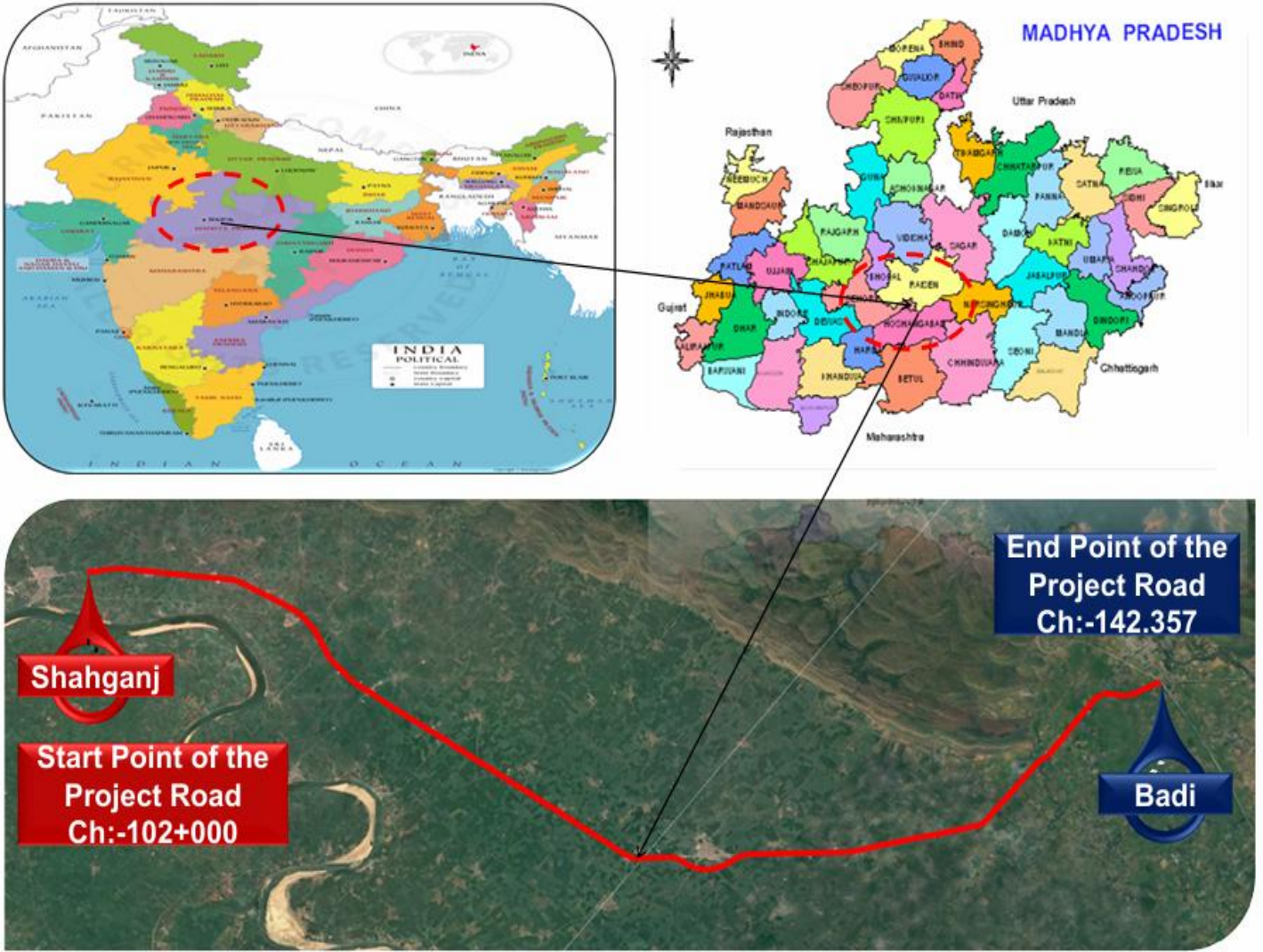


# SHAHGANJ BADI HIGHWAYS PVT. LTD.

## MONTHLY PROGRESS REPORT

January-2026



NAME OF AUTHORITY : NATIONAL HIGHWAYS AUTHORITY OF INDIA

NAME OF CONCESSIONAIRE : SHAHGANJ BADI HIGHWAYS PVT. LTD.

NAME OF EPC CONTRACTOR : MCC INFRA TECH PVT. LTD

NAME OF INDEPENDENT ENGINEER : SAPTAGON ASIA PVT. LTD.

**Construction work of 4-laning of Shahganj bypass end to Badi (Package-IV) of NH-146B from design km 102.000 to design km 142.357 (Design Length 40.357 km) under NH(O) in the State of Madhya Pradesh on Hybrid Annuity Mode**

**MONTHLY PROGRESS REPORT - JANUARY - 2026**

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# Executive Summary

## Construction progress in current month

### Summary of Progress:-

1. Total length of the Project is 40.357 Km. with Total Bid Project Cost 519 Cr. Appointed Date declared on 25.03.2025 and scheduled date of completion of construction is 24.03.2027 (with 730 days construction period). M/s Shahganj Badi Highways Pvt Ltd started work at site.

### 2. LA Status/Handing Over of Length :-

Total -35.772 km. Handed Over and 4.585 km balance.

Key Reporting Metrics	Value%/Amount
<b>A- Physical Progress</b>	
Scheduled Physical Progress (%)	100.00%
Cumulative Physical Progress upto current month (%)	29.304%
Current Month Physical Progress (%)	7.717%
Cumulative Expenditure till date (Rs Cr) as per Construction cost @ 519 Cr.	152.088
Tests passed as % of total tests witnessed by IE	12.081%

## Project Overview

### Salient Features of Project

<b>Project Name</b>	Construction work of 4-laning of Shahganj bypass end to Badi (Package-IV) of NH-146B from design km 102.000 to design km 142.357 (Design Length 40.357 km) under NH(O) in the State of Madhya Pradesh on Hybrid Annuity Mode
<b>NH No. (New/ Old)</b>	146B
<b>Mode of the Execution</b> (BOT Toll/ BOT Annuity/ EPC/ HAM/ Item Rate/ Others)	Hybrid Annuity Mode
<b>No. of Lanes/ Configuration</b>	Four Lane with Paved Shoulder
<b>Length of the Project (in Km)</b>	40.357 Km.
<b>Total Project Cost/ Civil Construction Cost/ Contract cost (in Cr)</b>	Rs. 519
<b>Total EPC Cost (in Cr)</b>	Rs. 519
<b>No. of Bypasses</b> (Name of Town, Length)	4.807 Km (Baktra 2.500 Km + Badi 2.307 Km)
<b>No. of Major Bridges</b> (Number and Location)	1 (Chainage 109+550)
<b>No. of Toll Plazas</b> (Number and Location)	1 (Chainage 114+515)
<b>DPR Consultant Name</b>	M/s Lion Engineering Consultants
<b>Contractor Name</b> (SPV & Parent Company)	M/s MCC Infratech Pvt. Ltd.
<b>Date of Award</b> (LOA Date)	15 Mar. 2024
<b>Appointed Date</b>	25 Mar. 2025
<b>Construction Period</b> (in Days)	(730 Days)
<b>Scheduled Date of Completion</b>	24 Mar. 2027
<b>Independent Engineer</b>	M/s Saptagon Asia Pvt. Ltd.

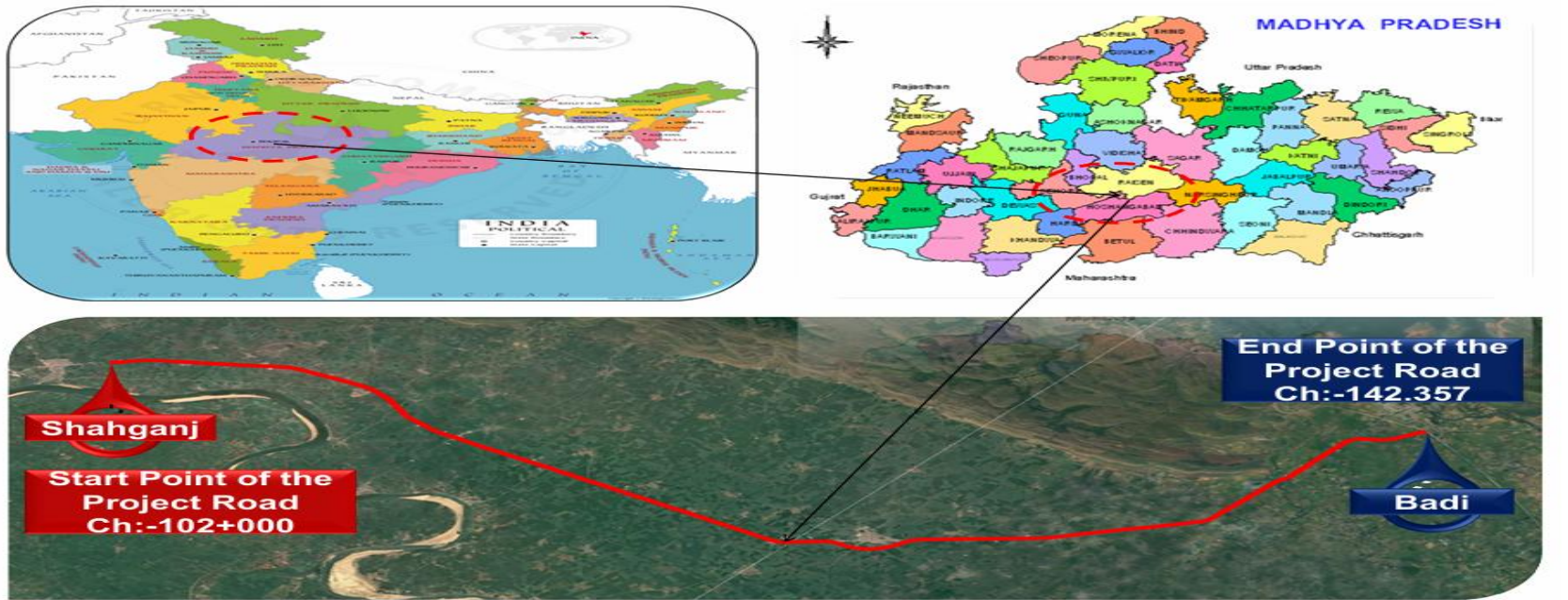
## Project Milestones

Project Milestone	Date	Physical Progress for achievement (%)	Date as per Approved EOT	Status	Remarks
Appointed Date	25-03-2025	Nil			
Milestone I	21-09-2025	20%		Achieved on 20.12.2025	
Milestone II	18-02-2026	35%		29.3% as on 31.01.2026	
Milestone III	16-09-2026	75%			
Scheduled Completion	24-03-2027	100%			

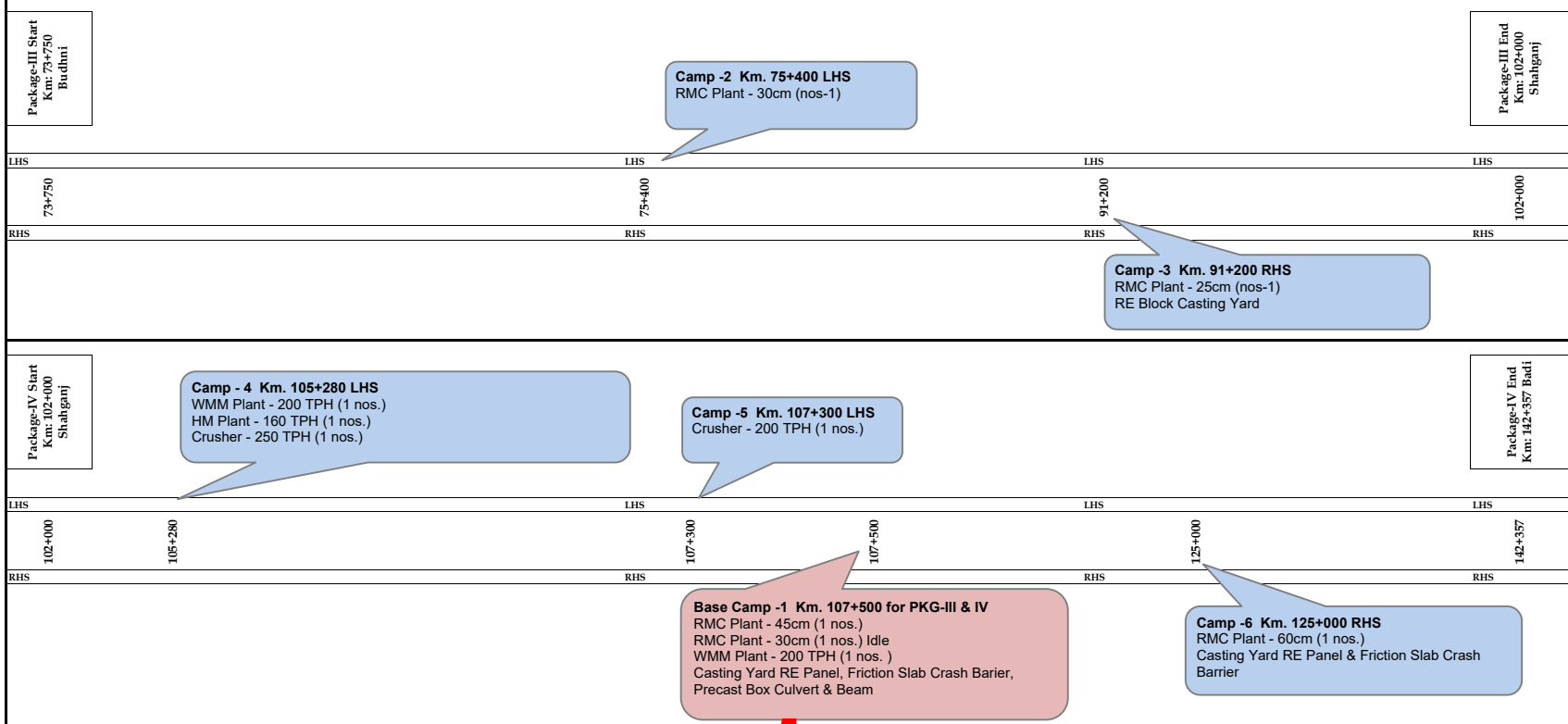
## Payment Milestones

Sr. No.	Payment Milestone	Status	Remarks
I	On achievement of 5% of Physical Progress	Achieved	MPC-1 on achievement of 5% is submitted vide letter no. SBHPL/NHAI/FY25-26/330□
II	On achievement of 10% of Physical Progress	Achieved	MPC-2 on achievement of 10% is submitted vide letter no. SBHPL/NHAI/FY25-26/404
III	On achievement of 20% of Physical Progress	Achieved	MPC-3 on achievement of 20% is submitted vide letter no. SBHPL/NHAI/FY25-26/437
IV	On achievement of 30% of Physical Progress		
V	On achievement of 40% of Physical Progress		
VI	On achievement of 50% of Physical Progress		
VII	On achievement of 60% of Physical Progress		
VIII	On achievement of 70% of Physical Progress		
IX	On achievement of 80% of Physical Progress		
X	On achievement of 90% of Physical Progress		

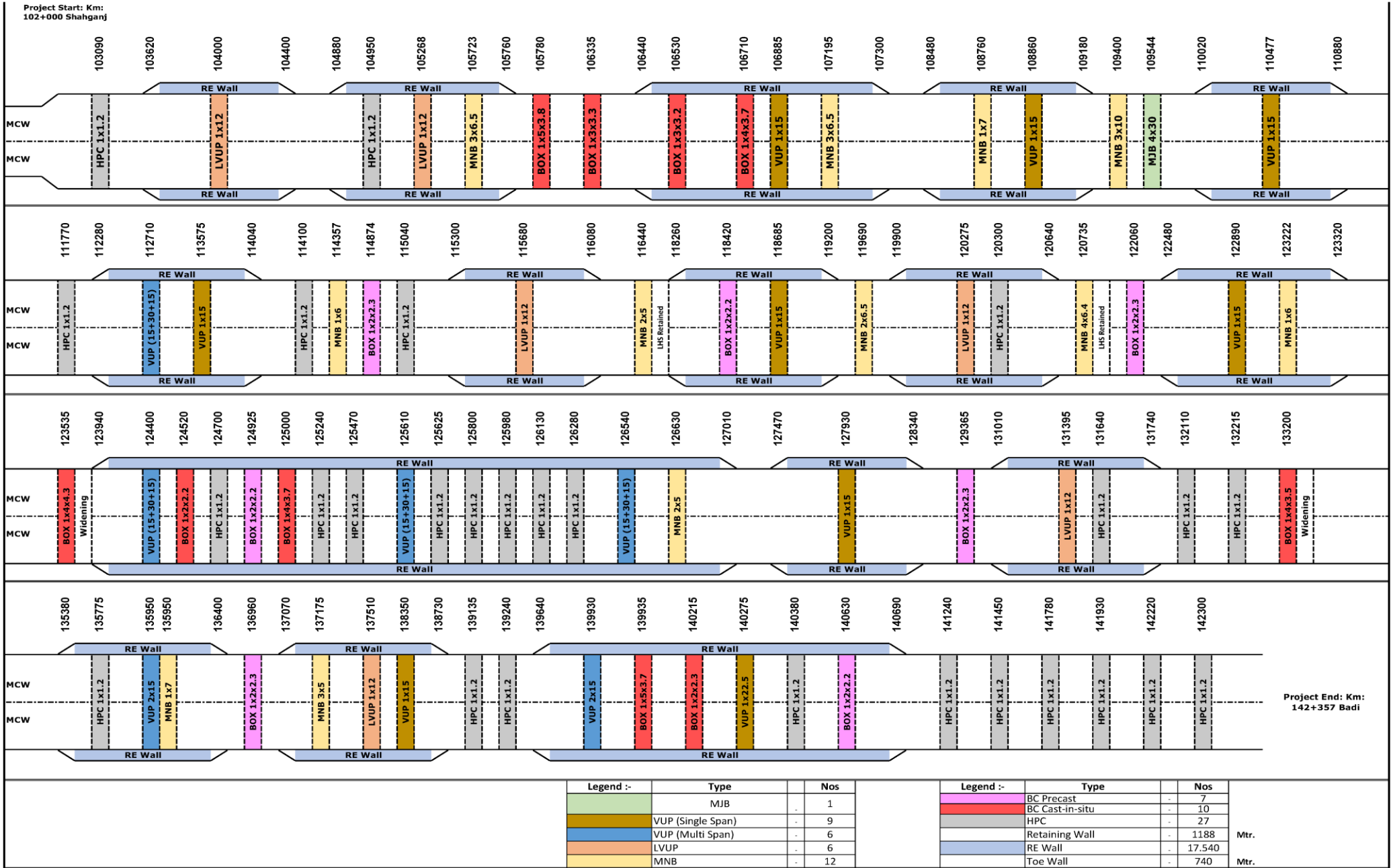
Camp Location Map



CAMP LOCATION PLAN



# Key Plan



# UNRESOLVED ISSUES/CONSTRIANTS

Sr. No.	Activity	Constraints	Remarks
1	Land Acquisition		
	A. Acquisition	Land possession work is in progress as per the instruction of NHAI Officials. However, at many locations Payment is being paid by the Authority but removal of encroachment is still to be removed. Force fully possession is in progress at site on handed over length.	Length of 4.585 Km. is effected as on 31.12.2025
	B. Encroachment	Dismantling of structure time to time is being carried out as per the instruction of NHAI Officials	
2	Utility Shifting		
	A. Electrical Utility Shifting	Nil	Estimates are Approved and Supervision Charges is deposited to Owning Department by Authority.
	B. PHED Utility Shifting	Nil	Estimates are approved.

**Construction work of 4-laning of Shahganj bypass end to Badi (Package-IV) of NH-146B from design km 102.000 to design km 142.357 (Design Length 40.357 km) under NH(O) in the State of Madhya Pradesh on Hybrid Annuity Mode**

**Hindrance Status**

SR. NO.	CHAINAGE		AFFECTED LENGTH	NET AFFECTE WORKING LENGTH	SIDE	Description
	FROM	TO	(METER)			
1	103+900	104+300	400	400	BHS	Land not Available
1	108+240	108+780	540	540	BHS	Land not Available
2	109+030	109+180	150	150	BHS	Land not Available
3	110+200	110+500	300	300	BHS	Land not Available
4	111+500	112+180	680	680	BHS	Land not Available
5	112+280	112+980	700	700	BHS	Land not Available
6	115+500	115+730	230	230	BHS	Land not Available
7	118+580	118+800	220	220	BHS	Land not Available
8	119+980	120+275	295	295	BHS	Land not Available
9	127+800	127+930	130	130	BHS	Land not Available
10	130+540	130+910	370	370	BHS	Land not Available
11	131+380	131+450	70	70	BHS	Land not Available
12	137+300	137+800	500	500	BHS	Land not Available
<b>Total Length &gt;&gt;&gt;&gt;</b>			<b>4585 Mtr</b>	<b>4585 Mtr</b>		

# Strip Plan (Summary)

1. Land Acquisition Status			2. Length completed by layer (MCW)			3. Length completed by Layer (Service Road+ Slip Road)		
Description	Length / Area	% Total Pending Length/Area	Description	Length in (KM)	% Total Length	Description	Length in (KM) Both Sides	% Total Length
Total Length Scope Km.	40.357		Total Length Scope Km BHS.	79.108		Total Length Scope Km.	40.357	
Total Workfornt Unavailable Km. due to LAQ/Encroachment	4.585	11.36%	Total Length Completed	-	0.00%	Total Length Completed	-	0.00%
Pending Land Ha.	11.318		C&G	71.00	89.75%			
			BC	-	0.00%			
			DBM	18.58	23.49%	DBM	-	0.00%
Acq. Ha.	88.304	88.64%	AIL	20.71	26.18%	AIL	-	0.00%
			CTB	22.90	28.95%	CTB	-	0.00%
			CTSB/GSB	28.01	35.41%	CTSB/GSB		
			Sub-Grade	32.25	40.77%	Sub-Grade	-	0.00%

## Progress Status of Structure

### Status of Schedule-B Structure

DESCRIPTION	SCOPE OF WORK	WORK STATUS			
		COMPLETED	IN PROGRESS	BAL TO TAKEUP	REMARKS
Major Bridges	1		1		Superstructure in Progress
Minor Bridges	12		10	2	
Light Vehicular Underpass	6	1	3	2	
Vehicular Underpass	15		9	6	
Box Culverts	17	7	8	2	
Pipe Culverts	27	13	12	2	
RE Wall	21	2	13	6	
<b>TOTAL</b>	<b>99</b>	<b>23</b>	<b>56</b>	<b>20</b>	

**Note : 6 Nos of RE Wall work balance due to Land issue / VIP demands ( 104+000, 112+710, 118+690, 127+940, 135+950 & 139+930)**

**Land Acquisition and Clearances**  
**LA Summary**

S.No	Particulars	Area of Land in HA.	Remarks
A	Total Land to be Acquire	192.117	
B	Existing Land	92.495	
C	Additional Land Required (C=A-B)	99.622	
D	Total 3G Award	91.773	
E	Total 3H	88.304	88.64%
F	Balance (F=C-E)	11.318	11.36%
G	Length Available for working (KM)	35.772	

**Status of Utility Shifting****A - ELECTRICAL UTILITY (MPMKVVCL)**

Sr. No.	Description	Total Estimates	Total Estimates Submitted to Authority	Total Estimates Approved from Authority	Total Length Affected	Work Status	Remarks
		(Nos)	(Nos)	(Nos)	(KM.)		
1	33 KVA	19	19	19	61.75	50 Km. Wire Installation completed and balance work in progress. 10 Km. Pole Erection completed and balance work in progress.	Estimates are approved. Supervision charges deposited to Owning Department by Authority.
2	11 KV	16	16	16	53.48	45 Km Wire installation completed and balance in progress. 5 Km. Pole Erection completed and balance work in progress.	
3	LT Line	15	15	15	3.72	Pole Erection in progress.	
4	33 KVA Crossing	26	26	26		20 Nos Crossing completed	
5	11 KV Crossing	60	60	60		50 Nos Crossing completed	
6	LT Line Crossing	38	38	38			
7	Transformers and Sub Stations	64	64	64		6 nos Transformers installation completed and balance work in progress.	

**B - WATER SUPPLY/SEWERAGE LINE (PHED)**

1	Water supply pipe line	9	9	0	7.60	2.2 Km Pipe Laying work in progress	Estimates are approved and work in progress
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**C-TREE CUTTING STATUS (REVENUE & FOREST)**

SR. NO.	DESCRIPTION	TOTAL SCOPE	TOTAL CUT	TOTAL BALANCE TO CUT	REMARKS
		(NOS)	(NOS)	(NOS)	
1	Revenue Trees	1455	1455	0	Permission obtained and Tree cutting Completed.
<b>TOTAL</b>		<b>1455</b>	<b>1455</b>	<b>0</b>	

# Mobilization of Resources

SL. NO.	Equipment Name	Make	Model	Quantity	Deployment Year	Remarks
1	RMC PLANT	CONMAT	CP-30	1	2025	
2	RMC PLANT	CONMAT	CP-45	1	2025	
3	RMC PLANT	CONMAT	CP-60	1	2025	
4	Hot Mix Plant	APOLLO	APOLLO 200 TPH	1	2025	
5	CTB PLANT	APOLLO	APOLLO 200 TPH	1	2025	
6	CRUSHER PLANT	METSO	METSO 250 TPH	1	2025	
7	CRUSHER PLANT	TEREX	TEREX 200 TPH	1	2025	
8	WMM Paver	VOLVO	Paver 5.0 Mtr	1	2025	
9	DBM Paver	VOLVO	Paver 9.0 Mtr	1	2025	
10	DG Set 125 KVA	Mahindra	125 KVA	2	2025	
11	DG Set 200 KVA	SUDHIR CUMMINS	200 KVA	1	2025	
12	DG Set 500 KVA	CAT	500 KVA	2	2025	
13	DG Set 30 KVA	SUDHIR CUMMINS	30 KVA	5	2025	
14	DG Set 20 KVA	SUDHIR CUMMINS	20 KVA	5	2025	
15	Light Mast	CUMMINS	KG1-5AS3/5KVA	1	2025	
16	Hydraulic Broomer	BROOMER HYDRAULIC	ALLWIN	1	2025	
17	Soil Compactor	HAMM	311	7	2025	
18	Soil Compactor	DYNAPAC	CA385D	3	2025	
19	Baby Roller	CASE		1	2025	
20	Baby Roller	JCB		3	2025	
21	Tandem Roller	HAMM		1	2025	
22	Motor Grader	CAT	CATERPILLAR 120K2 SERIES 2	9	2025	
23	Motor Grader	CASE	CASE 845 B MOTER GRADER	2	2025	
24	Excavator	JCB		10	2025	
25	Wheel Loader	JCB	4374 & JCB INDIA	2	2025	
26	Dozer	CASE		1	2025	
27	Dozer	CAT		4	2025	
28	Hydra	ESCORT	TRX 1549 XT & ESCORT	3	2025	
29	Hyd. Crane	SANY	SANY	1	2025	
30	Trailer	BHARATBENZ	BHARATBENZ 3123R 8X2 BSIV	1	2025	
31	Trailer	TATA	LPS4018TC/32	2	2025	
32	Diesel Tanker	TATA	TATA SPC 709EX/38 BSIV	1	2025	
33	Diesel Tanker	Mahindra	BOLERO SC XL CBC 2WD	1	2025	
34	Boom Pressor	TATA	SIGNA 2823 K BS VI, 56WHD	1	2025	
35	Concrete Pump	SCHWING Stetter	DP-350	1	2025	
36	Tipper	TATA	LPK 2518 TC/38	30	2025	
37	Water Tanker	TATA	LPK 2518 TC/38	5	2025	
38	Transit Mixer	TATA	LPK 2518 TC/38	9	2025	
39	Backhoe Loader	JCB	JCB 3DX XTRA	3	2025	
40	Backhoe Loader	CAT	BACKHOE LOADER 2WD	1	2025	
41	LMV	Mahindra	SCORPIO S10 2.2	2	2025	
42	LMV	Mahindra	BOLERO	5	2025	
43	LMV	Toyota	FORTUNER	2	2025	
44	LMV	Mahindra	MAHINDRA BOLERO CAMPER	8	2025	

**Note: - Additional machinery shall be mobilised at site as per progress requirements.**

# Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
<b>A - Key Person</b>				
1	Avinash Kumar	Sr .Project Manager	Management	
2	Manoj Kumar	Project Head	Management	
3	Amod Kumar	Project Manager	Management	
4	Kundan Kumar Sharma	Project Manager Str	Management	
<b>B - Planning &amp; Billing</b>				
1	Pradeep Singh	Q S Manager	Planning & Billing	
2	Lovey Johnson	Sr. Engineer	Planning & Billing	
3	Ramesh Dangi	Sr. Engineer	Planning & Billing	
4	Virendra Pal Rathore	Deo	Planning & Billing	
5	Abhishek Prajapat	Deo	Planning & Billing	
<b>C - Highway</b>				
1	Vinay Kumar	Sr Engineer Highway	Highway	
2	Vikas Kumar Pandey	Sr Engineer Highway	Highway	
3	Ashish Kumar	Sr Engineer Highway	Highway	
4	Bipin Kanojia	Sr Engineer Highway	Highway	
5	Arvind Kumar	Engineer Highway	Highway	
6	Ashish Kumar	Engineer Highway	Highway	
7	Bhanwara Ram	Supervisor	Highway	
<b>D - Structure</b>				
1	Shubham Saini	Dpm Structure	Structure	
2	Yogesh Kumar	Sr Engg Str	Structure	
3	Vikas Kumar Singh	Sr Engg Str	Structure	
4	Rohit Singh	Sr Engg Str	Structure	
5	Uma Shankar	Engg Str	Structure	
6	Muni Lal Singh	Executive Str	Structure	
7	Umesh Singh	Executive Str	Structure	
8	Raj Kumar	Executive Str	Structure	
<b>E - QA/QC</b>				
1	Manoj Kumar Dhakar	Manager QA / QC	QA/QC	
2	Munna Kumar Nirala	Asst. Manager QA / QC	QA/QC	
3	Rajesh Kumar	Qc Engineer	QA/QC	
4	Bijaya Kumar Bhuyan	Sr. Lab Technician	QA/QC	
5	Shailesh Kumar	Sr. Lab Technician	QA/QC	
6	Madan Lal	Sr. Lab Technician	QA/QC	
7	Narendra	Lab Technician	QA/QC	
8	Ladu Singh	Lab Technician	QA/QC	
9	Soumya Ranjan Jena	Lab Technician	QA/QC	
10	Sanjay Kumar	Lab Technician	QA/QC	
11	Pappu Lal Gurjar	Lab Technician	QA/QC	
12	Aman Kumar Sah	Lab Helper	QA/QC	
13	Avdhesh Kumar	Lab Helper	QA/QC	
14	Vrand Kumar Marko	Lab Helper	QA/QC	
15	Bittu Kumar Gupta	Lab Helper	QA/QC	
16	Vimal	Lab Helper	QA/QC	
17	Hari Om Saxena	Lab Helper	QA/QC	
18	Jakir Ansari	Lab Helper	QA/QC	
19	Ravi Singh	Lab Helper	QA/QC	
<b>F - Survey</b>				
1	Pramod Kumar	Sr. Surveyor	Survey	
2	Krishan Kant Verma	Ts Opretor	Survey	
3	Dhanna Ram	Surveyor	Survey	
4	Alok Yadav	Surveyor	Survey	
5	Samir Kumar	Surveyor	Survey	
6	Babu Lal Nayal	Surveyor	Survey	
7	Gopi Ram	Surveyor	Survey	
8	Ram Chandra	Surveyor	Survey	

# Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
9	Dilip	Surveyor	Survey	
10	Mahendra Bhinchar	Surveyor	Survey	
11	Babu Lal	Surveyor	Survey	
12	Bhala Ram Choudhry	Surveyor	Survey	
13	Sunil	Deo Survey	Survey	
14	Akash Sain	T S Survey Helper	Survey	
15	Vishnu Kumar	T S Survey Helper	Survey	
16	Teekam Singh	T S Survey Helper	Survey	
<b>G -Legal &amp; Liaison</b>				
1	Puneet Kumar Dubey	Agm	Legal & Liaison	
2	Shankar Singh	Officer	Liaison	
<b>H -HR/Admin</b>				
1	Anupam Singh	Manager	Hr/ Admin	
<b>I -Accounts</b>				
1	Gunesh Ram Vishnoi	Accountant	Accounts	
2	Asheesh Singh Bhadouria	Accountant	Accounts	
<b>J - Safety</b>				
1	A K Mohanty	Manager	Safety	
<b>K - Utility Shifting</b>				
1	Gopal Lal Dhabhai	Engineer	Utility Shifting	
<b>L - Store/Purchase</b>				
1	Abhishek Singh	Store Manager	Store	
2	Naresh Panday	Store Incharge	Store	
3	Prithvi Raj Singh	Store Incharge	Store	
4	Aman Tiwari	Executive Store	Store	
5	Ramesh Saran	Procurement	Store	
6	Luna Ram	Deo Store	Store	
7	Dinesh	Store Purchase	Store	
8	Jitendra Choudhary	Store Keeper	Store	
9	Babu Ram	Diesel Supervisor	Store	
10	Vikash	Diesel Billing Store	Store	
11	Babu Ram	Supervisor ( Flyash )	Store	
12	Yuvraj Singh	Supervisor ( Flyash )	Store	
<b>M - Plant &amp; Machinery</b>				
1	Shailendra Kumar Upadhyay	Sr Engg Plant & Machinery	Plant & Machinery	
2	Murlidhar	Hod P&M	Plant & Machinery	
3	Sunil Kumar Patel	Sr Engg P & M	Plant & Machinery	
4	Hm Plant Operator	01 Nos	Plant & Machinery	
5	Hm Plant Astt Operator	02 Nos	Plant & Machinery	
6	Hm Plant Helper	01 Nos	Plant & Machinery	
7	CTB Plant Operator	01 Nos	Plant & Machinery	
8	CTB Plant Helper	02 Nos	Plant & Machinery	
9	Rmc Plant Operator	04 Nos	Plant & Machinery	
10	Rmc Plant Helper	01 Nos	Plant & Machinery	
11	DBM Paver Operator	01 Nos	Plant & Machinery	
12	DBM Paver Helper	01 Nos	Plant & Machinery	
13	Excavator Operator	18 Nos	Plant & Machinery	
14	Excavator Helper	06 Nos	Plant & Machinery	
15	Grader Operator	12 Nos	Plant & Machinery	
16	Grader Helper	02 Nos	Plant & Machinery	
17	JCB Operator	06 Nos	Plant & Machinery	
18	Roller Operator	11 Nos	Plant & Machinery	
19	Dozer Operator	04 Nos	Plant & Machinery	
20	Loader Operator	04 Nos	Plant & Machinery	
21	Loader Helper	01 Nos	Plant & Machinery	
22	Concrete Pump Operator	02 Nos	Plant & Machinery	
23	Tm Operator	14 Nos	Plant & Machinery	

# Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
24	Tm Helper	06 Nos	Plant & Machinery	
25	Crane Operator	01 Nos	Plant & Machinery	
26	Crane Helper	03 Nos	Plant & Machinery	
27	Boom Placer Operator	01 Nos	Plant & Machinery	
28	Boom Placer Helper	02 Nos	Plant & Machinery	
29	Hydra Operator	04 Nos	Plant & Machinery	
30	Mechanic Helper	01 Nos	Plant & Machinery	
31	Tyre Fitter Helper	01 Nos	Plant & Machinery	
32	Lmv Driver	10 Nos	Plant & Machinery	
33	Hmv Driver	70 Nos	Plant & Machinery	
34	Welder	03 Nos	Plant & Machinery	
35	Mechanic	04 Nos	Plant & Machinery	
36	Astt Mechanic	03 Nos	Plant & Machinery	
37	Grease Man	01 Nos	Plant & Machinery	
38	Kabani Fitter	01 Nos	Plant & Machinery	
39	Tyre Fitter	01 Nos	Plant & Machinery	
40	Electrician	01 Nos	Plant & Machinery	
41	Auto Electrician	01 Nos	Plant & Machinery	
42	Supervisor	08 Nos	Plant & Machinery	

# Permission & Approvals

## STATUS OF PERMISSION AND APPROVALS AS PER SCHEDULE -E

Sr. No.		Actual Status
1	<b>State Government Permits (Quarrying Permits)</b>	
i	Permission of the State Government for Extraction of boulder from quarry	Obtained
ii	Permission of Village Panchayat & Pollution Control Board for installation of crusher	Obtained
iii	Permission of the State Government for drawing water from river/reservoir	Obtained
iv	Any other permits or clearances required under Applicable Laws	Obtained

# Status of Design & Drawing

A- HIGHWAY							
SR. NO.	DESCRIPTION	TOTAL	SUBMITTED	BALANCE TO SUBMIT	APPROVED	BALANCE TO APPROVED	REMARKS
		(KM.)	(KM.)	(KM.)	(KM.)	(KM.)	
1	Plan & Profile of Main Carriageway (Km. 102.000 to Km. 142.357)	40.357	40.357	0	40.357	0	
2	Plan & Profile of Service/Slip Road (Km. 102.000 to Km. 142.357)	17.915	17.915	0	17.915	0	
3	Plan & Profile of line drain (Km. 102.000 to Km. 142.357)	17.915	17.915	0	17.915	0	
4	RE Wall Design & Drawings	21 Nos	17	3	13	8	
B- STRUCTURES							
SR. NO.	DESCRIPTION	TOTAL	SUBMITTED	BALANCE TO SUBMIT	APPROVED	BALANCE TO APPROVED	REMARKS
		(NOS)	(NOS)	(NOS)	(NOS)	(NOS)	
1	Pipe Culvert	27	27	0	21	6	
2	Box Culvert	17	15	2	6	11	
3	Minor Bridge	12	11	1	4	8	
4	LVUP	6	6	0	6	0	
5	VUP	15	13	2	7	8	
6	Major Bridge	1	1	0	1	0	
<b>TOTAL</b>		<b>78</b>	<b>73</b>	<b>5</b>	<b>45</b>	<b>33</b>	

**Project: 4-laning of Shahganj bypass end to Badi (Package-IV) of NH-146B from design km 102.000 to design km 142.357 (Design Length 40.357 km) under NH(O) in the State of Madhya Pradesh on Hybrid Annuity Mode**

**Physical Progress Report Up to January-2026**

Item	Stage for Measurement of Physical Progress	Unit	Qty.	Weightage in percentage to the Contract Price	Total Upto Date		
					Completed Qty.	Physical Progress % Age	
Road works including Culverts, Minor Bridges, Underpass, Overpass Approaches to ROB/RUB/ Major Bridges/Structures (But excluding Service Road)	<b>A- Widening and Strengthening of Existing Road</b>						
	(1) Earthwork up to top of the Subgrade	Km.	69.494	3.65%	28.220	1.484%	
	(2) Granular Work (Sub-Base, Shoulders)						
	(a) CTSB / GSB	Km.	69.494	4.20%	24.302	1.468%	
	(b) CTB	Km.	69.494	1.80%	19.188	0.498%	
	(c) AIL/WMM	Km.	69.494	1.68%	17.711	0.427%	
	(3) Shoulder / Median	Km.	41.550	0.09%	-	0.000%	
	<b>(4) Bituminous works</b>						
	(c) DBM	Km.	69.494	6.12%	15.613	1.375%	
	(d) BC	Km.	71.100	4.35%	-	0.000%	
	<b>(5) Rigid Pavement</b>						
	<b>B- New realignment/Bypass</b>						
	(1) Earthwork up to top of the Subgrade	Km.	9.614	0.59%	4.030	0.246%	
	(2) Granular Work (Sub-Base, Shoulders)						
	(a) CTSB/ GSB Realignment	Km.	9.614	0.53%	3.710	0.206%	
	(b) CTB Realignment	Km.	9.614	0.26%	3.710	0.100%	
	(c) AIL Realignment	Km.	9.614	0.24%	3.000	0.075%	
	(3) Shoulder	Km.	3.334	0.01%	-	0.000%	
	<b>(4) Bituminous works</b>						
	(c) DBM	Km.	9.614	0.82%	2.970	0.252%	
	(d) BC	Km.	9.614	0.60%	-	0.000%	
	<b>(5) Rigid Pavement</b>						
	<b>C- New Culverts, Minor Bridges, Underpasses, Overpasses on existing road, realignments, bypasses:</b>						
	<b>1) Box &amp; Pipe Culverts</b>			44.000	1.54%	30.000	1.048%
	<b>(2) Minor Bridges</b>						
	a) Foundation	Nos.	36.000	1.45%	18.000	0.723%	
	b) Sub-structure	Nos.	36.000	1.25%	16.000	0.555%	
	c) Super-structure (including crash barriers etc complete)	Nos.	36.000	0.96%	16.000	0.426%	
	<b>(3) Cattle/Pedestrian Underpass</b>						
	a) Foundation	Nos.					
	b) Sub-structure	Nos.					
	c) Super-structure (including crash barriers etc complete)	Nos.					
	<b>(4) Pedestrian Overpassess</b>						
	a) Foundation	Nos.					
	b) Sub-structure	Nos.					
	c) Super-structure (including crash barriers etc complete)	Nos.					
	<b>(5) Grade Separated Structures</b>						
	<b>(A) Underpass (VUP/LVUP)</b>						
	a) Foundation	Nos.	63.000	1.81%	30.000	0.862%	
	b) Sub-structure	Nos.	93.000	1.42%	25.000	0.382%	
c) Super-structure (including crash barriers etc complete)	Nos.	55.000	2.62%	8.000	0.381%		
<b>(B) Overpass</b>							
a) Foundation	Nos.						
b) Sub-structure	Nos.						
c) Super-structure (including crash barriers etc complete)	Nos.						
<b>(C) Flyover</b>							
a) Foundation	Nos.						
b) Sub-structure	Nos.						
c) Super-structure (including crash barriers etc complete)	Nos.						
<b>(D) Foot Over bridge</b>	Nos.						
Major Bridge works and ROB/RUB	<b>A- Widening and Repair of Major Bridges</b>						
	(1) Foundation	Nos.					
	(2) Sub-Structure	Nos.					
	(3) Super-structure (including crash barriers etc complete)	Nos.					
	<b>B- Widening and Repair of</b>						
	<b>(a) ROB</b>						
	(1) Foundation	Nos.					
	(2) Sub-Structure	Nos.					
	(3) Super-structure (including crash barriers etc complete)	Nos.					
	<b>(b) RUB</b>						
	(1) Foundation	Nos.					
	(2) Sub-Structure	Nos.					
	(3) Super-structure (including crash barriers etc complete)	Nos.					

Item	Stage for Measurement of Physical Progress	Unit	Qty.	Weightage in percentage to the Contract Price	Total Upto Date	
					Completed Qty.	Physical Progress % Age
	<b>C- New Major Bridges</b>					
	(1) Foundation					
	(a) Open Foundation	Nos.	10.000	0.14%	10.000	0.138%
	(b) Pile Foundation/Well Foundation	Nos.				
	(2) Sub-structure	Nos.	10.000	0.24%	9.000	0.220%
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	(a) On Casting	Nos.	32.000	0.25%	32.000	0.253%
	(b) On Erection	Nos.	32.000	0.38%	-	0.000%
	<b>D- New Rail Road Bridges</b>					
	<b>(a) ROB</b>					
	(1) Foundation	Nos.				
	(2) Sub-structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	<b>(b) RUB</b>					
	(1) Foundation	Nos.				
	(2) Sub-structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
<b>Structures (Elevated Section, Reinforced earth)</b>	(1) Foundation	Nos.				
	(2) Sub-structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	(4) Reinforced Earth Wall (Including approaches of ROB, Underpasses, Overpass, Flyover etc)	Sqm				
	(a) On Casting	Sqm	134050	1.71%	86,136.970	1.098%
	(b) On Erection	Sqm	134050	32.45%	50,557.438	12.240%
<b>Electrical and Public Health Utilities</b>	(a) EHT line	Km				
	(b) EHT crossing	No				
	(c) HT/LT lines (including Transformers if any)	Km	118.950	3.66%	95.65	2.945%
	(d) HT/LT crossings	No	124.000	1.28%	70.00	0.725%
	(e) Water pipeline	Km	7.600	0.67%	-	0.000%
	(f) Water pipeline crossings	No				
	(g) Sewage line	Km				
	(h) Sewage line crossings	No				
<b>Other works</b>	<b>(i) Service Roads/Slip Roads</b>					
	(1) Earth Work Up to BC Top	Km.	35.830	5.91%	-	0.000%
	<b>(ii) Toll Plaza</b>	Nos.	1.000	2.25%	-	0.000%
	<b>(iii) Road Side Drains</b>	Km.	35.830	5.16%	7.57	1.091%
	<b>(iv) Road signs, markings, Km. Stones, Safety Devices etc.</b>					
	(a) Road signs, markings, Km. Stones, etc.	Km.	40.357	1.73%	-	0.000%
	(f) Concrete Crash Barrier/W-beam Crash Barrier in Road	Km.	28.770	2.96%	-	0.000%
	<b>(v) Project Facilities</b>					
	(a) Bus Bays/ Shelters	Nos.				
	(b) Truck Lay Bys	Nos.				
	(c) Rest Areas	Nos.				
	(vi) Highway Lighting	Nos.				
	<b>(vii) Road side plantation</b>	Km.	39.554	0.18%	-	0.000%
	<b>(viii) Protection works</b>					
	a) Boulders pitching on slopes	Km.				
	b) Toe/Retaining wall	Km.	1.928	0.35%	0.335	0.061%
	<b>(ix) Tunnel</b>	Km.				
	a) Excavation	Meter				
	b) Construction of support system including rock bolting, lining etc.	Meter				
	c) On Completion of Tunnel	Meter				
	<b>(x) Miscellaneous</b>					
	(a) Rain Water Harvesting (At Every 2 Km within ROW)	Nos.	20.000	0.07%	-	0.000%
	(b) Street Lightning	Nos.	1156.714	0.90%	-	0.000%
	(c) Boundary wall/ Fencing Works	km	79.108	2.51%	-	0.000%
	(d) Culverts on Cross Road	Nos.	45.000	0.46%	-	0.000%
	(e) Utility Pipe 600 Dia	Nos.	80.000	0.12%	20.500	0.030%
	(f) Bus Shelter	Nos.	21.000	0.05%	-	0.000%
	(g) Junctions	Nos.	46.000	0.55%	-	0.000%
	(h) Unlined Drain	km	43.278	0.05%	-	0.000%
				<b>100.00%</b>		<b>29.304%</b>











## SAFETY & HEALTH

- ➔ Safety Officers along with supporting staff are deployed at Site to take care of safety aspects and Traffic Management.
- ➔ Safety & Traffic Management Systems implemented at locations wherever work is in progress as per the Safety & Traffic Management plan submitted to your office vide our letter no. SBHPL/NHAI/FY24-25/63 dated 05.04.2025. Further, utmost care will be taken for safety of the work force as well as road users while carrying out the various activities.
- ➔ All culverts under construction are barricaded, with hard board, delineators & Safety tape as applicable.
- ➔ Road work under execution are barricaded with sand bags by sticking radium tape along the stretch for effective night vision.
- ➔ Identification of activity based PPE requirement and provided to all workman and enforced to use it, like Nose Mask, Spectacles, Gum boots, Hard Hat, fluorescent jackets, safety belts, safety shoes etc.
- ➔ Provision of water tankers for sprinkling water to dust control in/along works on the highway, access road, plants site and sprinkling system at crusher sites etc.
- ➔ All VUP's & Minor Bridges under construction is barricaded with hard board, Warning boards & Sign board, delineators & Safety tape, as applicable.
- ➔ Over all housekeeping in the camp and plant site.
- ➔ The awareness/training program on HSE for workers is being conducted periodically like fire safety/flagmen/safe driving training etc. and tool box talk conducted at site on regular basis by the HSE team.
- ➔ All the structural work/form work/scaffolding taken up as per approved drawing and methodology will be assured by concerned Engineers.
- ➔ First Aid Box in available at Camp office & plants.
- ➔ All speed breakers have been painted with white strip for night visibility.
- ➔ Bushes are removed from the shoulders side to enhance better visibility wherever is required.
- ➔ Safety Officer : Mr. , Akshay Mohanty
- ➔ Safety Supervisor for Site.
- ➔ Use of Safety Jackets & Helmets will be in Routine process of Execution.
- ➔ Contractor will conduct/celebrate special safety week. The follwing activity will be carried out during road safety days.
- ★ Road safety awareness programme at important location like Gram Panchayat within 2 Kms from Project Highway, all major junctions/Intersections, Bus Stand and Urban Areas, using mobile van with audio and visual effect will be conducted regularly.

## SAFETY & HEALTH

- ★ Distribution of pamphlets etc to road users, all Police Station, Petrol Pumps, School and at Location where awareness programme will be conducted.
- ★ Display of "Flexi Road Sinages" banner at various prominent locations.
- ★ In house training & awareness programme at our camp for all Drivers and Operators.
- ★ Distribution of Book on Road Safety Signage & Signs (Issued by MoRTH),and Manual of Roads Safety Education to District Administrative/Police Officers.
- ➡ Vents of All Existing and Newly Constructed Structures will be opened.

## QUALITY

EPC Contractor has established a full fledged laboratory within the site office premises at the Following Locations:-

1. Base Camp-1 @ Km. 107+500 RHS

All required tests related to execution of various activities in Highway & Structure works as per frequencies and requirements of the IRC codal provisions are being carried out. In-house Team of EPC Contractor is conducting the tests independently to ensure quality.

The details of tests carried out are given in **Annexure-1**.

Weather report for the month is given in **Annexure-2**.

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT : NATIONAL HIGHWAYS AUTHORITY OF INDIA  
 CONCESSIONAIRE : SHAHGANJ BADI HIGHWAY PRIVATE LIMITED  
 INDEPENDENT ENGINEER : SAPTAGON ASIA PVT. LTD.  
 EPC CONTRACTOR : MCC INFRA TECH PRIVATE LIMITED

**MONTHLY PROGRESS REPORT FOR THE MONTH OF JANUARY 2026 PACKAGE-IV**

SL NO	DESCRIPTION	TYPE OF TEST	FREQUENCY OF TESTING	NO.OF TEST CONDUCTED TILL PREVIOUS MONTH	TOTAL TEST CONDUCTED FOR THIS MONTH	NO.OF TEST CONDUCTED FOR THE MONTH		NO.OF TEST CONDUCTED UPTO MONTH	TEST WITNESSED BY IE/NHAI REP.			REMARKS
						PASS	FAIL		NO.OF TEST WITNESSED TILL PREVIOUS MONTH	TOTAL TEST WITNESSED FOR THIS MONTH	TOTAL NO.OF TEST WITNESSED UPTO MONTH	
1	OGL	Gradation	1 Tests/ 250 Rm	117				117				
		Proctor	1 Tests/ 250 Rm	117				117				
		Atterberg Limits	1 Tests/ 250 Rm	117				117				
		Free Swell Index	1 Tests/ 250 Rm	117				117				
		CBR	As required	10				10				
		Field Density	10 Density measurement/ 3000 m <sup>2</sup>	1680	20	20	1700	31	10	41		
2	BORROW AREA MATERIAL	Gradation	2 Tests/ 3000 m <sup>3</sup>	782	40	40		822	104	5	109	
		Proctor	2 Tests/ 3000 m <sup>3</sup>	782	40	40		822	104	5	109	
		Atterberg Limits	2 Tests/ 3000 m <sup>3</sup>	782	40	40		822	104	5	109	
		Free Swell Index	2 Tests/ 3000 m <sup>3</sup>	782	40	40		822	104	5	109	
		CBR	1 Test/3000 m <sup>3</sup>	399	20	20		419	54	3	57	
		Field Density	10 Density measurement/ 3000 m <sup>2</sup>	22945	6235	6215	20	29180	736	200	936	
3	FIELD DRY DENSITY (FDD) TEST	Subgrade layer	10 Density measurement/ 2000 m <sup>2</sup>	4295	817	814	3	5112	306	178	484	
		Shoulder	10 Density measurement/ 2000 m <sup>2</sup>									
4	GRANULAR SUBBASE [G.S.B]	Gradation	1 Test/ 400 m <sup>3</sup>	142	16	16		158	28	3	31	
		Atterberg's Limits	1 Test/ 400 m <sup>3</sup>	130	16	16		146	22	3	25	
		Proctor	As required	2				2	1		1	
		CBR	As required	2				2	1		1	
		AIV	As required	70	14	14		84	18	3	21	
		Field Density	1 Test/ 1000 m <sup>2</sup>	1126	210	210		1336	115			115
5	CEMENT TREATED SUB BASE [CTSB]	Gradation	1 Test/ 400 cum of mix	176	52	52		228	54	18	72	
		Atterberg's Limits	1 Test/ 400 cum of mix	166	52	52		218	44	18	62	
		Proctor	As required	2				2	2		2	
		AIV	As required	43	13	13		56	17	7	24	
		07 Days Unconfined Compressive Strength (UCS)	1 Test of 3 Specimens 400 tonnes of mix (2 test per Day.)	179	53	53		232	66	13	79	
		Field Density	1 Specimens of 2 Test/ 500 sq.m	1034	290	290		1324	228	94	322	
6	CEMENT TREATED BASE [CTB]	Gradation	1 Test/ 400 cum of mix	86	19	19		105	40	8	48	
		Atterberg's Limits	1 Test/ 400 cum of mix	77	19	19		96	31	8	39	
		Proctor	As required	1				1	1		1	
		AIV	As required	34	15	15		49	16	4	20	
		07 Days Unconfined Compressive Strength (UCS)	1 Test of 3 Specimens 400 tonnes of mix (2 test per Day.)	111	20	20		131	44	8	52	
		07 Days Flexural Strength	1 Test of 3 Specimens 400 tonnes of mix (2 test per Day.)	109	20	20		129	44	8	52	
		Field Density	1 Specimens of 2 Test/ 500 sq.m	695	155	155		850	141	47	188	

**MONTHLY PROGRESS REPORT FOR THE MONTH OF JANUARY 2026 PACKAGE-IV**

SL NO	DESCRIPTION	TYPE OF TEST	FREQUENCY OF TESTING	NO.OF TEST CONDUCTED TILL PREVIOUS MONTH	TOTAL TEST CONDUCTED FOR THIS MONTH	NO.OF TEST CONDUCTED FOR THE MONTH		NO.OF TEST CONDUCTED UPTO MONTH	TEST WITNESSED BY IE/NHAI REP.			REMARKS
						PASS	FAIL		NO.OF TEST WITNESSED TILL PREVIOUS MONTH	TOTAL TEST WITNESSED FOR THIS MONTH	TOTAL NO.OF TEST WITNESSED UPTO MONTH	
7	<b>AGGREGATE INTER LAYER [AIL]</b>	Gradation of Mix Agg.	1 Test/ 200 m <sup>3</sup>	104	18	18		122	34	12	46	
		Atterberg's Limits	1 Test/ 200 m <sup>3</sup>	95	18	18		113	25	12	37	
		Proctor	As required	1				1	1		1	
		AIV Test	1 Test/ 1000 m <sup>3</sup>	45	11	11		56	11	5	16	
		Fl& El Test	1 Test/ 500 m <sup>3</sup>	54	12	12		66	14	6	20	
		Field Density	1 Set of 3 Test/ 1000 m <sup>2</sup>	619	116	116		735	150		150	
8	<b>WET MIX MACADAM [W.M.M]</b>	Gradation of Mix Agg.	1 Test/ 200 m <sup>3</sup>	3				3				
		Atterberg's Limits	1 Test/ 200 m <sup>3</sup>	1				1				
		Proctor	As required	1				1				
		AIV Test	1 Test/ 1000 m <sup>3</sup>	1				1				
		Fl& El Test	1 Test/ 500 m <sup>3</sup>	1				1				
		Field Density	1 Set of 3 Test/ 1000 m <sup>2</sup>									
9	<b>PRIME COAT Emulsion SS-1</b>	Viscosity	1 tests/Lot	3	2	2		5		1		
		Residue 600mic	1 tests/Lot	3	2	2		5		1		
		Rate of Spread of Binder	3 Tests/ Day	84	36	36		120				
10	<b>TACK COAT Emulsion RS-1</b>	Viscosity	1 tests/Lot	2				2				
		Residue 600mic	1 tests/Lot	2				2				
		Residue Evaporation	1 tests/Lot	2				2				
		Rate of Spread of Binder	3 Tests/ Day									
11	<b>BITUMEN</b>	Penetration	1 tests/Lot	26	14	14		40	3	2	5	
		Viscosity	1 tests/Lot	26	14	14		40	3	2	5	
		Softening Point	1 tests/Lot	26	14	14		40	3	2	5	
12	<b>DENSE BITUMINOUS MACADAM [D.B.M]</b>	Agg. Impact Value	1 Test/ 350 m <sup>3</sup>	31		13		44	65	4	69	
		Fl& El Indices	1 Test/ 350 m <sup>3</sup>	31	13	13		44	65	4	69	
		Sp.Gravity & W.Absorption	1 Set of Test on Source	4				4	4		4	
		Mix Gradation	1 Test/400 Tons	63	27	27		90	136	10	146	
		Stability of Mix	1 Set/400 Tons	67	27	27		94	140	10	150	
		Binder Content	1Test/400 Tons	60	27	27		87	133	10	143	
		Gmm	1Test/day/plant	65	27	27		92	138	10	148	
Density of Core	1Test/ 700 m <sup>2</sup>	76	123	123		199	55	57	112			

**MONTHLY PROGRESS REPORT FOR THE MONTH OF JANUARY 2026 PACKAGE-IV**

SL NO	DESCRIPTION	TYPE OF TEST	FREQUENCY OF TESTING	NO.OF TEST CONDUCTED TILL PREVIOUS MONTH	TOTAL TEST CONDUCTED FOR THIS MONTH	NO.OF TEST CONDUCTED FOR THE MONTH		NO.OF TEST CONDUCTED UPTO MONTH	TEST WITNESSED BY IE/NHAI REP.			REMARKS	
						PASS	FAIL		NO.OF TEST WITNESSED TILL PREVIOUS MONTH	TOTAL TEST WITNESSED FOR THIS MONTH	TOTAL NO.OF TEST WITNESSED UPTO MONTH		
13	<b>BITUMINOUS CONCRETE [ B.C]</b>	Agg. Impact Value	1 Test/ 350 m <sup>3</sup>										
		Fl& El Indices	1 Test/ 350 m <sup>3</sup>										
		Sp.Gravity & W.Absorption	1 Set of Test										
		Mix Gradation	1 Test/400 Tons										
		Stability of Mix	1 Set/400 Tons										
		Control of binder & Grada.in the mix	1Test/400 Tons										
		Gmm	1Test/day/plant										
		Density of Core	1Test/ 700 m <sup>2</sup>										
14	<b>CONCRETE</b>	<b>COMPRESSIVE STRENGTH -</b>											
		<b>M -10 GRADE PCC</b>											
		07 Days	As per MoRT&H	105	3	3		108	12	1	13		
		28 Days		177	28	28		205	48	12	60		
		<b>M -15 GRADE PCC</b>											
		07 Days	As per MoRT&H	397	57	57		454	68	5	73		
		28 Days		543	155	155		698	116	25	141		
		<b>M -20 GRADE RCC</b>											
		07 Days	As per MoRT&H	51	6	6		57	13		13		
		28 days		96				96	26		26		
		<b>M -20 GRADE (KERB)</b>											
		07 Days	As per MoRT&H										
		28 Days											
		<b>M -25 GRADE RCC</b>											
		07 Days	As per MoRT&H	480	11	11		491	96	4	100		
		28 Days		470	274	274		744	109	60	169		
		<b>M -30 GRADE RCC &amp; Precast</b>											
		07 Days	As per MoRT&H	189	26	26		215	45	15	60		
		28 Days		409	69	69		478	73	30	103		
		<b>M -35 GRADE RCC &amp; Precast</b>											
		07 Days	As per MoRT&H	791	118	118		909	188	29	217		
		28 Days		2139	345	345		2484	455	132	587		
		<b>M -40 GRADE RCC</b>											
		07 Days	As per MoRT&H	511	81	81		592	113	24	137		
		28 Days		1003	118	118		1121	255	34	289		
		<b>M -45 GRADE RCC</b>											
		07 Days	As per MoRT&H										
		28 Days											
		<b>M -50 GRADE RCC</b>											
		07 Days	As per MoRT&H	39	3	3		42	19	3	22		
		28 Days		98	21	21		119	44	18	62		

**MONTHLY PROGRESS REPORT FOR THE MONTH OF JANAUARY 2026 PACKAGE-IV**

SL NO	DESCRIPTION	TYPE OF TEST	FREQUENCY OF TESTING	NO.OF TEST CONDUCTED TILL PREVIOUS MONTH	TOTAL TEST CONDUCTED FOR THIS MONTH	NO.OF TEST CONDUCTED FOR THE MONTH		NO.OF TEST CONDUCTED UPTO MONTH	TEST WITNESSED BY IE/NHAI REP.			REMARKS	
						PASS	FAIL		NO.OF TEST WITNESSED TILL PREVIOUS MONTH	TOTAL TEST WITNESSED FOR THIS MONTH	TOTAL NO.OF TEST WITNESSED UPTO MONTH		
15	DLC	07 Days	One set /1000 Sqm										
		Field Density	3 Density Holes/2000 Sqm										
16	PQC	<b>M -40 GRADE</b>											
		Cubes	07 Days	As per MoRT&H									
			28 Days										
		Beams	07 Days										
	28 Days												
17	CEMENT	Consistency	1 Test / week/Source	50	7	7		57	14	3	17		
		Initial and Final Setting Time	1 Test / week/Source	50	7	7		57	14	3	17		
		Specific Gravity	As & when Required										
		Soundness	1 Test / week/Source	50	7	7		57	14	3	17		
		Finness	1 Test / week/Source	50	7	7		57	14	3	17		
		Compressive Strength	1 Test / week/Source	141	17	17		158	33	7	40		
18	CEMENT GROUT	Compressive Strength	1 Set / Day/Girder										
19	CEMENT MORTAR	Compressive Strength	1 Set / Day										
20	WATER	Water Tests	Every 3 month	7				7					
21	STEEL	32mm dia.	500 MT/Samples	4				4					
		25 mm dia.	500 MT/Samples	5				5					
		20 mm dia.	500 MT/Samples	7				7					
		16 mm dia.	500 MT/Samples	7				7					
		12 mm dia.	500 MT/Samples	6				6					
		10 mm dia	500 MT/Samples	5				5					
		8 mm dia	500 MT/Samples	4				4					
		Structural Steel	Each and every Lot	1				1					
	HT Strands	1 Test /Each Coil/Lot	1				1						
22	FINE AGGREGATE	Sieve Analysis	1 Test/day/plant/Source	335	30	30		365	63	4	67		
		Sp.Gravity & W.Absorption	As & when Required	5				5	1		1		
		Organic Impurities	As & when Required										
23	COARSE AGGREGATES	Sieve Analysis	1 Test/day/plant/Source	908	90	90		998	220	12	232		
		Sp.Gravity & W.Absorption	As & when Required	6				6	2		2		
		A I V Tests	1 Test/week/plant/Source	43	4	4		47	13	1	14		
		E.I & F.I Index	1 Test/Fort night/plant	42	4	4		46	13	1	14		
24	CALIBRATION	Plant	Every 3 month	6	4	4		10	5	2	7		
		Lab. Equipments	As per Calibration Plan	102	5	5		107	35	2	37		

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT : NATIONAL HIGHWAYS AUTHORITY OF INDIA  
 CONCESSIONAIRE : SHAHGANJ BADI HIGHWAY PRIVATE LIMITED  
 INDEPENDENT ENGINEER : SAPTAGON ASIA PVT. LTD.  
 EPC CONTRACTOR : MCC INFRA TECH PRIVATE LIMITED

**WEATHER RECORD FOR THE MONTH JANUARY- 2026 Lab @ Ch-107+500 RHS**

SR. No	DATE	RAIN FALL IN (MM)	CUMM RAIN FALL IN (MM)	HUMIDITY (%)	TEMPERATURE °C		REMARKS
					8:00 AM		
					MIN	MAX	
1	01-Jan-26	0.0	0.0	62	10.2	26.4	
2	02-Jan-26	0.0	0.0	64	10.7	24.6	
3	03-Jan-26	0.0	0.0	62	11.1	22.3	
4	04-Jan-26	0.0	0.0	63	10.5	20.7	
5	05-Jan-26	0.0	0.0	65	8.8	19.9	
6	06-Jan-26	0.0	0.0	63	7.3	22.6	
7	07-Jan-26	0.0	0.0	64	8.2	23.4	
8	08-Jan-26	0.0	0.0	63	8.5	23.7	
9	09-Jan-26	0.0	0.0	65	8.0	27.0	
10	10-Jan-26	0.0	0.0	64	9.2	27.0	
11	11-Jan-26	0.0	0.0	64	10.0	27.2	
12	12-Jan-26	0.0	0.0	66	9.0	27.0	
13	13-Jan-26	0.0	0.0	68	10.0	27.0	
14	14-Jan-26	0.0	0.0	67	10.0	27.4	
15	15-Jan-26	0.0	0.0	67	8.6	24.6	
16	16-Jan-26	0.0	0.0	68	6.8	27.3	
17	17-Jan-26	0.0	0.0	66	7.0	28.0	
18	18-Jan-26	0.0	0.0	70	11.3	28.3	
19	19-Jan-26	0.0	0.0	68	11.2	25.0	
20	20-Jan-26	0.0	0.0	69	10.4	24.2	
21	21-Jan-26	0.0	0.0	69	11.0	27.0	
22	22-Jan-26	0.0	0.0	69	11.8	28.0	
23	23-Jan-26	0.0	0.0	70	17.0	27.2	
24	24-Jan-26	0.0	0.0	71	13.5	23.0	
25	25-Jan-26	0.0	0.0	72	12.4	21.8	
26	26-Jan-26	0.0	0.0	70	11.4	28.0	
27	27-Jan-26	0.0	0.0	73	14.0	28.0	
28	28-Jan-26	0.0	0.0	74	14.3	23.7	
29	29-Jan-26	0.0	0.0	72	11.6	20.6	
30	30-Jan-26	0.0	0.0	71	10.9	25.0	
31	31-Jan-26	0.0	0.0	73	12.0	27.0	

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT : NATIONAL HIGHWAYS AUTHORITY OF INDIA  
 CONCESSIONAIRE : SHAHGANJ BADI HIGHWAY PRIVATE LIMITED  
 INDEPENDENT ENGINEER : SAPTAGON ASIA PVT. LTD.  
 EPC CONTRACTOR : MCC INFRATECH PRIVATE LIMITED

**LIST OF LAB EQUIPMENTS @ Ch-107+500 RHS, JAWAHARKHEDA (MAIN CAMP)**

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
1	PROCTOR MOULD	2250 CC	5	
2	PROCTOR MOULD	1000 cc	3	
3	PROCTOR RAMMER	4.89 Kg.	5	
4	PROCTOR RAMMER	2.6 Kg.	3	
5	CUTTER SCALE FOR PROCTOR		5	
6	HEMMAR (Rubber)		2	
7	HEMMAR (Iron)		3	
8	GLOVES RUBBER		15	
9	GLOVES COTTON		15	
10	C.B.R MOULD	2250 cc	66	
11	C.B.R MACHINE		1	
12	PROVING RING	50 KN	1	
13	PROVING RING	30 KN	1	
14	PROVING RING	2.5 KN	1	
15	DIFFLECTION DIAL GUAGE	25 MM	20	
16	SURCHARGE WEIGHT	05 Kg.	16	
17	SURCHARGE WEIGHT	2.5 Kg.	62	
18	SPACER DISC FOR CBR		2	
19	PERFORATED PLATE		46	
20	PLUNGER FOR CBR		5	
21	TRIPOD FOR CBR		30	
22	SPATULA	4 Inch	6	
23	CONE PENETROMETER (LL/PI)		1	
24	LIQUID LIMIT DEVICE WITH GROOVING TOOLS CASSGRAND APP.FOR LL/PI		1	
25	MOISTURE CONTAINER	A SIZE	60	
26	MOISTURE CONTAINER	B SIZE	40	
27	MOISTURE CONTAINER	C SIZE	178	
28	ELECTRONIC BALANCE (Platform Balance)	200 Kg.	1	
29	ELECTRONIC BALANCE	50 Kg.	1	
30	ELECTRONIC BALANCE	30 Kg.	2	
31	ELECTRONIC BALANCE	20 Kg.	1	
32	ELECTRONIC BALANCE	10 Kg.	2	
33	ELECTRONIC BALANCE	5 Kg	1	
34	ELECTRONIC BALANCE	600 gm	2	
35	CHEMICIAL BALANCE	110 gm	1	
36	POURING CYLINDER (SMALL) FDD SET	100 MM	2	
37	POURING CYLINDER (MEDIUM) FDD SET	150 MM	2	
38	POURING CYLINDER (BIG) FDD SET	200 mm	2	
39	POURING CYLINDER TRAY (SMALL) FDD	100 MM	2	
40	POURING CYLINDER TRAY(MEDIUM) FDD	150 MM	2	
41	POURING CYLINDER TRAY(BIG) FDD	200 mm	2	

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT : NATIONAL HIGHWAYS AUTHORITY OF INDIA  
 CONCESSIONAIRE : SHAHGANJ BADI HIGHWAY PRIVATE LIMITED  
 INDEPENDENT ENGINEER : SAPTAGON ASIA PVT. LTD.  
 EPC CONTRACTOR : MCC INFRA TECH PRIVATE LIMITED

**LIST OF LAB EQUIPMENTS @ Ch-107+500 RHS, JAWAHARKHEDA (MAIN CAMP)**

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
42	RAPID MOISTURE METER (RMM)	Capacity 25%	2	
43	CALCIUM CARBIDE FOR RMM	PACKETS	10	
44	MEASURING CYLINDER (GLASS)	100 ml.	45	
45	MEASURING CYLINDER (GLASS)	500 ml.	7	
46	MEASURING CYLINDER (GLASS)	1000 ml.	2	
47	MEASURING CYLINDER (PLASTIC)	500 ml.	2	
48	MEASURING CYLINDER (PLASTIC)	1000 ml.	2	
49	BEAKER (GLASS)	500 ml.	8	
50	BEAKER (GLASS)	1000 ml.	1	
51	BOROSIL FLASK	100 ml.	1	
52	GMM FILTERING FLASK WITH RUBBER CO	500 ml	1	
53	GMM FILTERING FLASK WITH RUBBER CO	2000 ml	2	
54	GMM FILTERING FLASK WITH RUBBER CO	5000 ml	2	
55	FUNNEL	50mm,100mm	1 Each	
56	PIPETTE BOROSILICATE GLASS	10ml X.01ml	4	
57	GLASS ROD	8mm Dia X 8" Long	2	
58	PYCNOMETER BOTTEL FOR SPG		8	
59	DEPTH MEASURING SCALE	300 mm	3	
60	GLASS PLATE	100X80 mm	2	
61	GLASS PLATE	200X200 mm	2	
62	GLASS PLATE	600X600 mm	1	
63	DIGITAL THERMOMETER	0°C TO 300°C	6	
64	GLASS THERMOMETER	0°C TO 250°C	8	
65	INFRARED THERMOMETER	-50°C TO 500°C	2	
66	DIAL TEMPERATURE GAUGE	0°C TO 300°C	4	
67	VERNIER CALIPER DIGITAL	300 mm	1	
68	HYDROMETER	0.80 to 0.90, 1.0 to 1.5 & 1.0 to 2.0	1 Each	
69	STOP WATCH		2	
70	HYGROMETER	MIN. & MAX. TEMP.	2	
71	GI TRAY (BIG SIZE)	1200X1000 MM	3	
72	GI TRAY (BIG SIZE)	1000X1000 MM	1	
73	GI TRAY (BIG SIZE)	1000X500 MM	2	
74	ENAMEL TRAY	600X450 MM	6	
75	GI TRAY	600X450 MM	16	
76	GI TRAY (MEDIUM SIZE)	600X400 MM	1	
77	GI TRAY (SMALL SIZE)	400X350MM	1	
78	ENAMEL TRAY (SMALL SIZE)	450X300 MM	15	
79	GI TRAY (SMALL SIZE)	450X300 MM	18	

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT	: NATIONAL HIGHWAYS AUTHORITY OF INDIA
CONCESSIONAIRE	: SHAHGANJ BADI HIGHWAY PRIVATE LIMITED
INDEPENDENT ENGINEER	: SAPTAGON ASIA PVT. LTD.
EPC CONTRACTOR	: MCC INFRATECH PRIVATE LIMITED

**LIST OF LAB EQUIPMENTS @ Ch-107+500 RHS, JAWAHARKHEDA (MAIN CAMP)**

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
80	ENAMEL TRAY (SMALL SIZE)	350X250 MM	12	
81	ENAMEL CIRCULAR PLATE	250MM	12	
82	COOLING BATH DIGITAL		1	
83	WATER BATH DIGITAL 60°C WITH THERMOSTATICALLY CONTROL	30 Liter capecity	2	
84	OVEN (BIG)	1250X750 MM	1	(Sr No.160212)
85	OVEN (MEDIUM)	900X600 MM	1	(Sr No.081141)
86	OVEN (SMALL)	600X600 MM	1	
87	DRYING OVEN	225 Liter	2	
88	HOT PLATE	200 mm	1	
89	FI GUAGE		2	
90	ELONGATION GUAGE		2	
91	SIEVE SHAKER	200 mm Dia	1	
92	SIEVE SHAKER	450 mm Dia	1	
93	CYLINDER FOR BULK DENSITY OF AGGRE	3Ltr,10 Ltr. & 30 Ltr.	1 Set	
94	BEAM MOULD	15X15X70CM	9	
95	CONCRETE CUBE MOULD	15X15X15CM	150	
96	GROUTING CUBE MOULD	10X10X10CM	10	
97	CEMENT CUBE MOULDS	7.06X7.06X7.06	34	
98	MORTAR CUBE MOULD	5X5X5	6	
99	SLUMP CONE WITH TEMPING RODS		9	
100	AIV APPRATUS WITH ALL ASSESORIES		1	
101	COMPRESSIVE STRENGTH TEST(CTM) DIGITAL	2000 KN	1	
102	FLEXTURAL TESTING MACHINE	100 KN	1	
103	CONCRETE MIXER MACHINE WITH CAP	150 Liter Capacity	1	Electrically operated
104	VIBRATING TABLE	1MX1M	1	
105	CEMENT CUBE VIBRETING MACHINE		1	
106	VICAT.APP.WITH ASS.		1	
107	VICAT.APP NEEDLE FOR INITIAL SETTING TIME		1	
108	VICAT.APP NEEDLE FOR FINAL SETTING TIME		1	
109	VICAT.APP PLUNGER FOR CONSISTENCY		1	
110	SOUNDNESS TEST APPARATUS (CEMENT)	PACKETS	2	
111	LE-CHATLEIR FLASK		1	
112	STANDERD SAND ZONE-I,II,III		2 Each	
113	GAUGING TROWEL		2	
114	WIRE BASKET FOR DENSITY		2	
115	RIFFLE BOX (SAMPLE DIVIDER)	75 mm	1	
116	RIFFLE BOX (SAMPLE DIVIDER)	53 mm	1	
117	RIFFLE BOX (SAMPLE DIVIDER)	25 mm	1	

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT	: NATIONAL HIGHWAYS AUTHORITY OF INDIA
CONCESSIONAIRE	: SHAHGANJ BADI HIGHWAY PRIVATE LIMITED
INDEPENDENT ENGINEER	: SAPTAGON ASIA PVT. LTD.
EPC CONTRACTOR	: MCC INFRATECH PRIVATE LIMITED

**LIST OF LAB EQUIPMENTS @ Ch-107+500 RHS, JAWAHARKHEDA (MAIN CAMP)**

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
118	SAND SCOOP (Small)		5	
119	CORE CUTTER MACHINE PETROL ENGINE	5.5 HP	1	
120	CORE CUTTER MACHINE - HILTI DD-160	150 mm Dia	1	
121	CORE BIT (DIAMOND CUTTING EDGE)	100 mm Dia	3	
122	CORE BIT (DIAMOND CUTTING EDGE)	150 mm Dia	3	
123	FLOW CUP		1	
124	DLC COMPECTOR (HILTI TE-1000 AIR)		1	
125	AIR METER FOR CONCRETE MIX Automatic type As per ASTM C231		1	
126	COMPACTION FACTOR EQUIPMENT CONCRETE As per IS:5515-1983		1	
127	WASH BOTTLE PLASTIC	1 LTR	1	
128	3 METER STRAIGHT EDGE AND MEASURING WEDGE		1 Set	
129	DIGITAL DEPTH GAGE	INSIZE	1	
130	PLANETARY MIXER-FOR BITUMINOUS MIX	20 Liter	1	
131	BITUMEN EXTRACTION MACHINE		1	
132	COMPACTION PEDESTAL		1	
133	MARSHALL STABILITY TESTING MACHINE (4" Dia) (WITH PROVING RING AND DIAL GAUGE)		1	
134	MARSHAL MOULD WITH CALLOR	100 mm Dia	24	
135	MARSHAL SAMPLE EXTRACTOR (MOULD DEMOULDING)	100 MM DIA	1	Hydraulic
136	DUCTILITY TESTING MACHINE-DIGITAL TEMP CONTROL-REFRIGERATED-IS 1208		1	
137	ELASTIC RECOVERY MOULD WITH BASE PLATE		1 Set	
138	THIN FILM OVEN-DIGITAL		1	
139	SAND EQUIVALENT VALUR TEST APPARATUS WITH ACCESSORIES		1	
140	VACUUM PUMP (OIL FREE)		1	
141	RING AND BALL APPARATUS		1	
142	BITUMEN STANDARD PENETROMETER FOR BITUMEN -AUTOMATIC DIGITAL		1	
143	SAYBOLT VISCOMETER-WITH ENERGY REGULATOR-FOR EMULSIFIED BITUMEN		1	
144	TAR VISCOMETER		1	
145	VISCOSITY BATH		1	
146	U-TUBE GLASS VISCOMETER REVERSE FL	Size-06	2	
147	U-TUBE GLASS VISCOMETER CANNON MANNING VACUUM INDIAN MAKE	Size-12,13	2 Each	
148	RAIN GAUGE		1	
149	<b>SIEVE SIZE 450 mm dia</b>			
	125mm		2	

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT	: NATIONAL HIGHWAYS AUTHORITY OF INDIA
CONCESSIONAIRE	: SHAHGANJ BADI HIGHWAY PRIVATE LIMITED
INDEPENDENT ENGINEER	: SAPTAGON ASIA PVT. LTD.
EPC CONTRACTOR	: MCC INFRA TECH PRIVATE LIMITED

**LIST OF LAB EQUIPMENTS @ Ch-107+500 RHS, JAWAHARKHEDA (MAIN CAMP)**

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
	75mm		3	
	63 mm		2	
	53 mm		5	
	50 mm		3	
	45mm		3	
	40mm		4	
	37.5mm		1	
	31.5mm		1	
	26.5mm		5	
	25mm		3	
	22.4 mm		1	
	20mm		4	
	19mm		3	
	16mm		3	
	14mm		1	
	13.2mm		2	
	12.5mm		3	
	11.2mm		2	
	10mm		5	
	9.5mm		5	
	8mm		1	
	6.7mm		1	
	6.3mm		4	
	5.8mm		1	
	5.6mm		2	
	4.75mm		9	
	2.8mm		1	
	2.36mm		5	
	1.4mm		1	
	1.18 mm		2	
	LID & PAN		2	
150	<b>SIEVE SIZE 200 mm dia Brass</b>			
	6.3mm		4	
	5.6mm		1	
	4.75mm		4	
	2.8mm		1	
	2.36mm		4	
	2.0mm		6	
	1.7mm		3	
	1.4mm		1	
	1.18mm		3	
	1.0 mm		3	
	850mic		4	
	710mic		1	
	600mic		2	
	425mic		4	

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



CLIENT	: NATIONAL HIGHWAYS AUTHORITY OF INDIA
CONCESSIONAIRE	: SHAHGANJ BADI HIGHWAY PRIVATE LIMITED
INDEPENDENT ENGINEER	: SAPTAGON ASIA PVT. LTD.
EPC CONTRACTOR	: MCC INFRATECH PRIVATE LIMITED

**LIST OF LAB EQUIPMENTS @ Ch-107+500 RHS, JAWAHARKHEDA (MAIN CAMP)**

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
	355mic		1	
	300mic		3	
	250mic		3	
	180mic		1	
	150mic		2	
	125mic		3	
	90mic		3	
	75mic		6	
	45mic		4	
	LID & PAN		3	

**CONSTRUCTION OF 4-LANING OF SHAHGANJ BYPASS END TO BADI (PACKAGE-IV) OF NH-146B FROM DESIGN KM 102+000 TO DESIGN KM142+357(DESIGN LENGTH 40.357 KM) UNDER NH(O) IN THE STATE OF MADHYA PRADESH ON HYBRID ANNUITY MODE**



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 EPC CONTRACTOR : MCC INFRA TECH PRIVATE LIMITED

**CALIBRATION PLAN MAIN LAB @ Ch- 107+500 RHS**

S. No.	Description of Equipment/ Device	Equipment code/ Identification	Calibration Agency	Frequency of Calibration	Calibration Verifying Document	Date of Calibration	Next Due Date of Calibration	Remark
1	Proctor Moulds Modified	SBHPL/QC-1/MCC/PM/1-5	In House	Every 3 months	Available in Records	06-12-25	05-03-26	
2	Proctor Moulds Standard	SBHPL/QC-1/MCC/PM/1-3	In House	Every 3 months	Available in Records	06-12-25	05-03-26	
3	Proctor Rammer 4.9kg	SBHPL/QC-1/MCC/PH/1-5	In House	Every 3 months	Available in Records	06-12-25	05-03-26	
4	Proctor Rammer 2.6kg	SBHPL/QC-1/MCC/PH/6-8,	In House	Every 3 months	Available in Records	06-12-25	05-03-26	
5	CBR Moulds	SBHPL/QC-1/MCC/CM/1-66	In House	Every 3 months	Available in Records	06-12-25	05-03-26	
6	Proving Ring 50 KN	SBHPL/MCC/PR/50KN/01	DVG Laboratories & Consultants Pvt.Ltd	26 months	Available in Records	12-12-24	12-02-27	
7	Proving Ring 50 KN	SBHPL/MCC/PR/50KN/02	DRS Testing Technology Pvt.Ltd	26 months	Available in Records	30-10-25	29-12-27	
8	Proving Ring 30 KN	SBHPL/MCC/PR/30KN/01	DRS Testing Technology Pvt.Ltd	26 months	Available in Records	04-01-25	03-03-27	
9	Proving Ring 30 KN	SBHPL/MCC/PR/30KN/02	DRS Testing Technology Pvt.Ltd	26 months	Available in Records	30-10-25	29-12-27	
10	Proving Ring 25 KN	SBHPL/MCC/PR/25KN/01	DRS Testing Technology Pvt.Ltd	26 months	Available in Records	30-10-25	29-12-27	
11	Proving Ring 2.5 KN	SBHPL/MCC/PR/2.5KN/01	DRS Testing Technology Pvt.Ltd	26 months	Available in Records	04-01-25	03-03-27	
12	Surcharg Weights	SBHPL/QC-1/MCC/SW/1-76	In House	1 Year	Available in Records	09-03-25	08-03-26	
13	Cone Penetrometer	SBHPL/QC-1/MCC/CP/01	In House	1 Year	Available in Records	09-03-25	08-03-26	
14	Cassgrand Apparatus For LL/PI	SBHPL/QC-1/MCC/CA/01/EIE/LLD/2510713	EIE Instruments Pvt.Ltd	1 Year	Available in Records	02-11-25	01-11-26	
15	Moisture Containers (Steel)	SBHPL/QC-1/MCC/MC/1-278	In House	Every 3 months	Available in Records	06-12-25	05-03-26	
16	Electronic Balance 50 Kg	SBHPL/MCC/WB/50/1-2	Maruti Sagar Engineering	1 Year	Available in Records	20-08-25	19-08-26	
17	Electronic Balance 30 Kg	SBHPL/MCC/WB/30/1-4	Maruti Sagar Engineering	1 Year	Available in Records	20-08-25	19-08-26	
18	Electronic Balance 10 Kg	SBHPL/MCC/WB/10/1-1	Maruti Sagar Engineering	1 Year	Available in Records	20-08-25	19-08-26	
19	Electronic Balance 6 Kg	SBHPL/MCC/WB/6/1 PCLL/0784F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
20	Electronic Balance 5 Kg	SBHPL/MCC/WB/5/1-3	Maruti Sagar Engineering	1 Year	Available in Records	20-08-25	19-08-26	
21	Electronic Balance 600 gm	SBHPL/MCC/WB/600/1-1 PCLL/0785F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
22	Electronic Balance 100 gm	SBHPL/MCC/WB/100/1-2 /EIE/M/2527819-20	EIE Instruments Pvt.Ltd	1 Year	Available in Records	30-10-25	29-10-26	
23	Sand Pouring Cylinder 100 mm	SBHPL/QC-1/MCC/SPC-100/01	In House	Every 3 months	Available in Records	08-12-25	07-03-26	

**CALIBRATION PLAN MAIN LAB @ Ch- 107+500 RHS**

S. No.	Description of Equipment/ Device	Equipment code/ Identification	Calibration Agency	Frequency of Calibration	Calibration Verifying Document	Date of Calibration	Next Due Date of Calibration	Remark
24	Sand Pouring Cylinder 150 mm	SBHPL/QC-1/MCC/SPC-150/01	In House	Every 3 months	Available in Records	08-12-25	07-03-26	
25	Sand Pouring Cylinder 200 mm	SBHPL/QC-1/MCC/SPC-200/01	In House	Every 3 months	Available in Records	08-12-25	07-03-26	
26	Rapid Moisture Meter (RMM)	SBHPL/QC-1/MCC/RMM/01	In House	Every 3 months	Available in Records	08-12-25	07-03-26	
27	PIPETTE BOROSILICATE GLASS	SBHPL/QC-1/MCC/Pipette/1-4/ EIE/M/2527820-23	EIE Instruments Pvt.Ltd	1 Year	Available in Records	30-10-25	29-10-26	
28	Digital Thermometer	SBHPL/MCC/DTH/1-2 PCLL/0773F,0774F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
29	Glass Thermometer	SBHPL/MCC/GT/1-5/ PCLL/0771F,0772F EIE/T/2527668,69,70	Premium Calibration Services & EIE Instruments Pvt.Ltd	1 Year	Available in Records	31-10-25	30-10-26	
30	Infrared Thermometer	SBHPL/MCC/IRT/1-2/ EIE/T/2527671,72	EIE Instruments Pvt.Ltd	1 Year	Available in Records	31-10-25	30-10-26	
31	Dial Temperature Gauge	SBHPL/MCC/DTG/1-4/ EIE/T/2527664,65,66,67	EIE Instruments Pvt.Ltd	1 Year	Available in Records	31-10-25	30-10-26	
32	Vernier Caliper Digital	SBHPL/MCC/VC/1 PCLL/0775F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
33	Hydrometer	SBHPL/MCC/HM/1-3/ EIE/MV/2523046,47,48	EIE Instruments Pvt.Ltd	1 Year	Available in Records	05-09-25	04-09-26	
34	Measuring Tape	SBHPL/MCC/MT/1 PCLL/0776F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
35	Stop Watch Digital	SBHPL/MCC/DSW/1-3/ PCLL/0777F EIE/T/2527676,77	Premium Calibration Services EIE Instruments Pvt.Ltd	1 Year	Available in Records	30-10-25	29-10-26	
36	S.S.Scale	SBHPL/MCC/SS/01 PCLL/0778F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
37	Flakiness Gauge	SBHPL/MCC/FI/01	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
38	Elongation gauge	SBHPL/MCC/EI/01	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
39	Vacuum gauge	SBHPL/MCC/VG/01 PCLL/0770F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
40	Ductility Temperature Controller (Ductility Testing Machine)	SBHPL/MCC/DTC/1/ EIE/ET/2522836	EIE Instruments Pvt.Ltd	1 Year	Available in Records	03-09-25	02-09-26	
41	Digital Temperature Controller (Kinematic Viscosity Bath)	SBHPL/MCC/KVB/1/ EIE/ET/2527675	EIE Instruments Pvt.Ltd	1 Year	Available in Records	03-09-25	02-09-26	
42	U-Tube Glass Viscometer	SBHPL/MCC/KVB/1-6/ EIE/MV/2523049,50,51,52,53,54	EIE Instruments Pvt.Ltd	1 Year	Available in Records	05-09-25	04-09-26	
43	Bitumen Standard Penetrometer	SBHPL/MCC/BSP/1/ EIE/ET/2527675	EIE Instruments Pvt.Ltd	1 Year	Available in Records	30-10-25	29-10-26	
44	Difflextion Dial Gauge	SBHPL/MCC/DDG/1/ EIE/MT/251118	EIE Instruments Pvt.Ltd	1 Year	Available in Records	01-11-25	31-10-26	
45	Bitumen Extraction Machine	SBHPL/MCC/BE/01	EIE Instruments Pvt.Ltd	1 Year	Available in Records	03-09-25	02-09-26	

**CALIBRATION PLAN MAIN LAB @ Ch- 107+500 RHS**

S. No.	Description of Equipment/ Device	Equipment code/ Identification	Calibration Agency	Frequency of Calibration	Calibration Verifying Document	Date of Calibration	Next Due Date of Calibration	Remark
46	Water bath Digital	SBHPL/MCC/WB/1-2 PCLL/0782F,0783F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
47	Hot Air Oven	SBHPL/MCC/HAO/1-3 PCLL/0779F,0780F,0781F	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
48	Concrete Cube Moulds	SBHPL/QC-1/MCC/CCM/1-150	In House	Every 3 months	Available in Records	05-01-26	04-04-26	
49	Cement Cube Moulds	SBHPL/QC-1/MCC/CM/1-34	In House	Every 3 months	Available in Records	05-01-26	04-04-26	
50	Grouting Cube Moulds	SBHPL/QC-1/MCC/GCM/1-12	In House	Every 3 months	Available in Records	09-12-25	08-03-26	
51	Slump Cone	SBHPL/QC-1/MCC/SC/1-9	In House	Every 3 months	Available in Records	05-01-26	04-04-26	
52	AIV Appratus	SBHPL/QC-1/MCC/AIV/1	In House	Every 3 months	Available in Records	09-01-26	08-04-26	
53	Compressive Strength Machine (CTM) 2000 KN	SBHPL/MCC/DCTM/01 EIE/F/2532075	EIE Instruments Pvt.Ltd	1 Year	Available in Records	19-12-25	18-12-26	
54	Flextural Testing Machine (FTM) 100 KN	SBHPL/MCC/FTM/01	Asain Technology	1 Year	Available in Records	13-12-25	12-12-26	
55	CEMENT CUBE VIBRETING MACHINE	SBHPL/MCC/VM/01	Asain Technology	1 Year	Available in Records	13-12-25	12-12-26	
56	Vicat Apparatus	SBHPL/QC-1/MCC/VA/01	In House	1 Year	Available in Records	09-01-26	08-04-26	
57	Sieve Shaker Digital Timer	SBHPL/QC-1/MCC/SSDT/01/ EIE/ET/2527674	EIE Instruments Pvt.Ltd	1 Year	Available in Records	30-10-25	29-10-26	
58	IS Sieve (450mm Dia)	SBHPL/MCC/GIS/1-30	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
59	IS Sieve (200mm Dia)	SBHPL/MCC/BS/1-18	Premium Calibration Services	1 Year	Available in Records	13-12-25	12-12-26	
60	Concrete Batching Plant (BP-01) @ 107+500 RHS	SBHPL/MCC/BP-01	In House	Every 3 months	Available in Records	09-01-26	08-04-26	
61	Concrete Batching Plant (BP-02) @ 125+000 LHS	SBHPL/MCC/BP-02	In House	Every 3 months	Available in Records	13-01-26	12-04-26	
62	CTSB/CTB Plant (Plant-2) @ 105+300 LHS	SBHPL/MCC/BP-02	In House	Every 3 months	Available in Records	06-01-26	05-04-26	
63	HMP Plant @ 105+250 LHS	SBHPL/MCC/HMP	In House	Every 3 months	Available in Records	01-02-26	01-05-26	

# Change of Scope

Some additional structures / culverts / service roads etc have to be provided for which COS has been notified by Authority Engineer and detailed proposal is under process with the EPC Contractor.

COS No.	COS Proposal Details	Date of first Submission to the Authority	Current Status	COS Amount (INR Cr.)	Status of Approval
COS No.-1	<p>Additional work coming under Change of Scope intimated to NHAI &amp; IE vide Letter No. SBHPL/NHAI/FY24-25/127 dated 16th June 2025.</p> <p>The Change of Scope Works are summarized as below:</p> <ol style="list-style-type: none"> <li>1.Change in Box Culvert size From (1 X 5.00 X 3.8) To (1 X 12.00 X 3.8) @ Kms 105+780</li> <li>2.4 nos Pipe Culvert @ Km 124+900, Km 125+020, Km 125+690 &amp; Km 126+100 at Canal Crossing in Baktra Bypass</li> <li>3.New Pipe Culvert @ KM 126+880 for Irrigation Canal Crossing</li> <li>4.New Pipe Culvert @ KM 130+520 for Irrigation Canal Crossing</li> <li>5.New Pipe Culvert @ KM 130+880 for irrigation Canal Crossing</li> <li>6.At Km 124+400 provision of Both Direction VUP (15+30+15)</li> <li>7.Change in Minor Bridge size From (1 X 7.00) To (1 X 20.00) @ Kms 135+950</li> <li>8.Change in Box Culvert size From (1 X 5.00 X 3.7) To MNB (1 X 20.00 ) and deletion of VUP at Kms 139+930 with SR</li> <li>9.Additional New Box Culvert @ Km. 142+290 for irrigation canal</li> <li>10.Shifting of Irrigation Canal from 126+700 To 127+250 LHS from ROW</li> <li>11.Shifting of Irrigation Canal from Km 128.400 TO 130.500 LHS from ROW</li> <li>12.Construction of Toe Wall/Provision of Retaining Wall where ROW is nor Available excluding Provision of Schedule-B</li> <li>13.Utility Shifting of GSS</li> <li>14.PHED pipe line extra work as per Schedule-B Exclude GST 18%</li> <li>15.PHED pipe line Canal Syphon work 1200 Dia Pipe</li> <li>16.3 nos Pipe Culvert @ Km at Canal Crossing in Various Locations 113572, 118070, 122440 (IE Letter No. 287 Dated 16.09.2025)</li> <li>17.5 nos Pipe Culvert @ Km at Canal Crossing in Various Locations 138920, 138380, 134800, 131230,130500 (IE Letter No. 229 Dated 16.09.2025)</li> <li>18.Construction of Servicer Road in Rigid Pavement in lieu of Flexible Pavement as per NHAI Circular</li> <li>19.Additional Pipe Culvert at Ch. @ 141780 (IE Letter No. 171 Dated:- 30.08.2025)</li> </ol>	16th June 2025	<p>COS-I Submitted for In Principal approval vide letter No. SBHPL/NHAI/FY24-25/127 dated 16th June 2025</p> <p>Observations Raised by Independent Engineer vide letter no. SAPL/MP/2025-25/441 dated 03.07.2025</p> <p>Compliance Submitted by Concessionaire vide letter no. SBHPL/NHAI/25-26/189 dated 14.07.2025</p> <p>Independent Engineer Forward the Change of Scope of Amount Rs 37.16 Cr. to Authority (NHAI) for In-principal Approval vide letter no. SAPL/MP/2025-26/644 dated 21.08.2025</p> <p>Observations raised by Authority (NHAI) vide letter no. NHAI/PIU/BPL/Budhni-Badi/IE/Pkg-IV/COS/2025/28465 dated 03.09.2025</p> <p>Revised Submission with compliance is submitted by concessionaire vide letter no. SBHPL/NHAI/25-26/325 dated 27.09.2025</p> <p>Independent Engineer Forward the Change of Scope of Amount Rs 57.09 Cr. to Authority (NHAI) for In-principal Approval vide letter no. SAPL/MP/2025-26/801 dated 29.09.2025</p>	<p>Rs. 40.25 Crore</p> <p>Rs. 37.16 Crore</p> <p>Rs. 58.19 Crore</p> <p>Rs. 57.09 Crore</p>	Under review at RO NHAI

## Accident Report

Sr. No	Date	Chainage	Time of Accident	Sex (M/F)	A	B	C	D	E	F	G	H	I	J	K	No. of Effectted Persons			Help provided by
					Accident Location	Nature of Accident	Classification of Accident	Causes	Load condition of vehicle	Road Condition	Intersection type of condition	Weather Condition	Age of victim	Type of Victim	Type of Vehicle	Fatal	Major	Minor	
1																			
2																			
3																			

**Project Work Photos & Work Zone Safety**

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# **Annexure I**

# SHAHGANJ BADI HIGHWAYS PVT. LTD.

CTB Laying in progress



# SHAHGANJ BADI HIGHWAYS PVT. LTD.

RE Wall Work is in Progress at Km. 124+400



RE Wall Work is in Progress at Km. 140+320



**SHAHGANJ BADI HIGHWAYS PVT. LTD.**  
**RE Wall Completed at Km. 105+268 LVUP**



**RE Wall Work is in Progress at Km. 124+400 VUP**



# SHAHGANJ BADI HIGHWAYS PVT. LTD.

Work is in Progress at Km. 124+400 VUP



Drain Work in Progress



Girder Casting Work in Progress



# SHAHGANJ BADI HIGHWAYS PVT. LTD.

RE Panel Casting work in Progress at Km 107+500



Box Culvert Segment Casting work in Progress at Km 107+500



SHAHGANJ BADI HIGHWAYS PVT. LTD.

