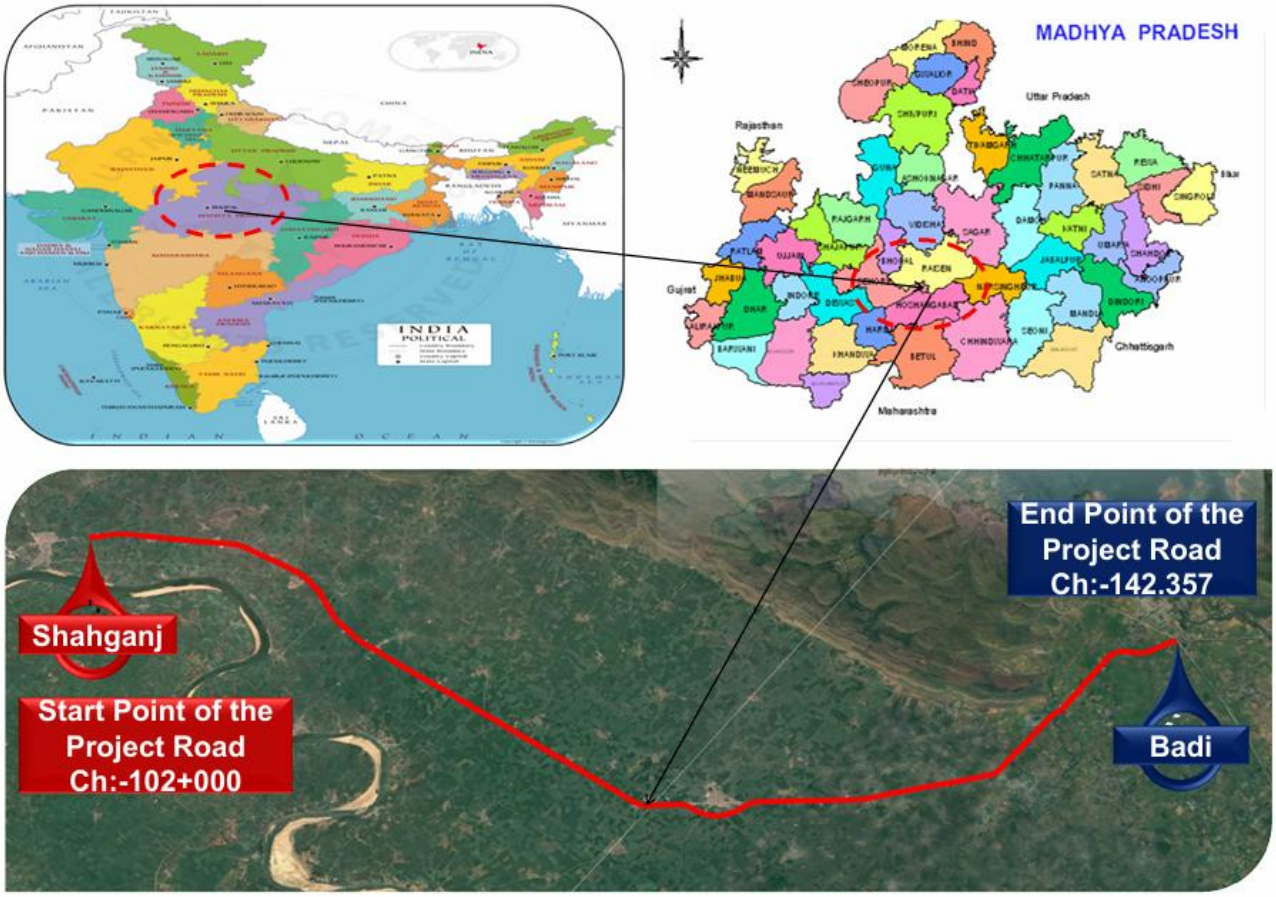
SHAHGANJ BADI HIGHWAYS PVT. LTD.

`

MONTHLY PROGRESS REPORT

August-2025



NAME OF AUTHORITY	:	NATIONAL HIGHWAYS AUTHORITY OF INDIA
NAME OF CONCESSIONAIRE	:	SHAHGANJ BADI HIGHWAYS PVT. LTD.
NAME OF EPC CONTRACTOR	:	MCC INFRATECH 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 - AUGUST - 2025

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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 -32.800 km. Handed over and 7.55km balance.

Key reporting metrics	Value%/Amount
A- Physical Progress	
Scheduled Physical Progress (%)	100.00%
Cumulative Physical Progress upto current month (%)	6.89%
Current Month Physical Progress (%)	1.58%
Cumulative Expenditure till date (Rs Cr) as per Construction cost @ 519 Cr.	35.765
Tests passed as % of total tests witnessed by IE	46.86%

Project Overview

Salient Features of Project

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

Project Milestones

Project Milestone	Date	Physical Progress for achivement (%)	Date as per Approved EOT	Status	Remarks
Appointed Date	25-03-2025	Nil			
Milestone I	20-09-2025	20%			6.89%
Milestone II	17-02-2026	35%			
Milestone III	15-09-2026	75%			
Scheduled Completion	24-03-2027	100%			

Note :- Physical Progress of Project Milestone-I is 6.89%, due to reasons as stated below:

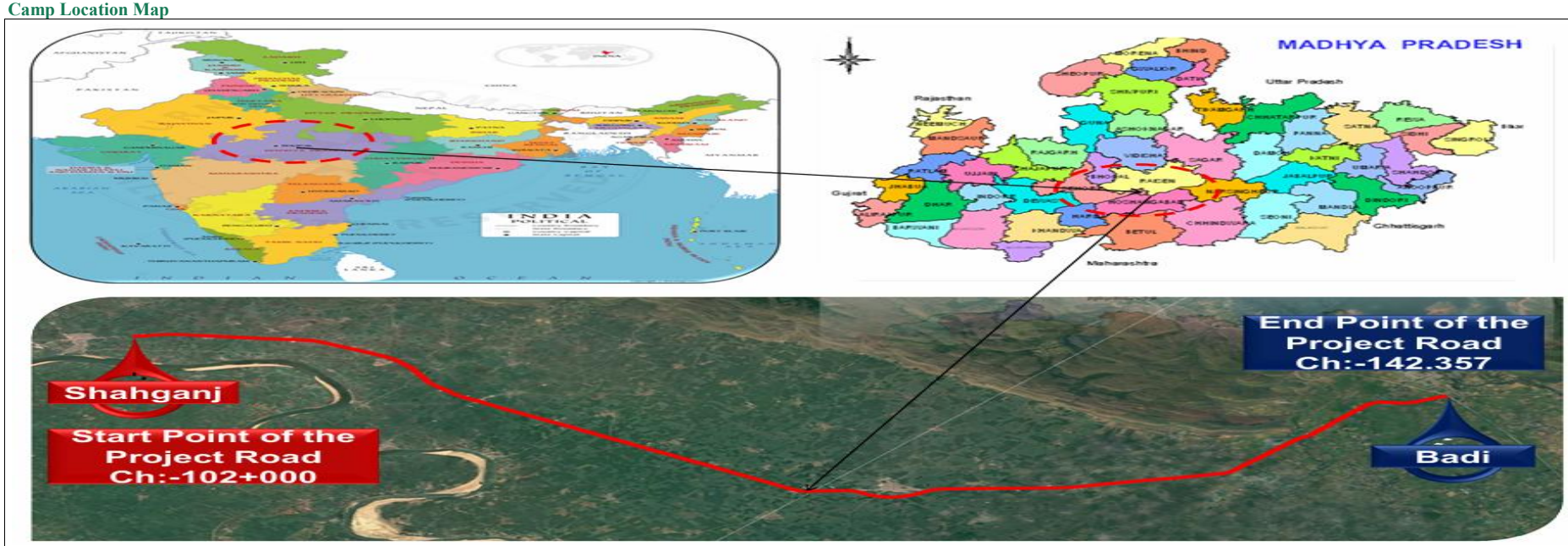
a) Delay in approval of Pavement Design .

b) Rainy season started from July end onwards and no activity in Highway can start in monsoon period.

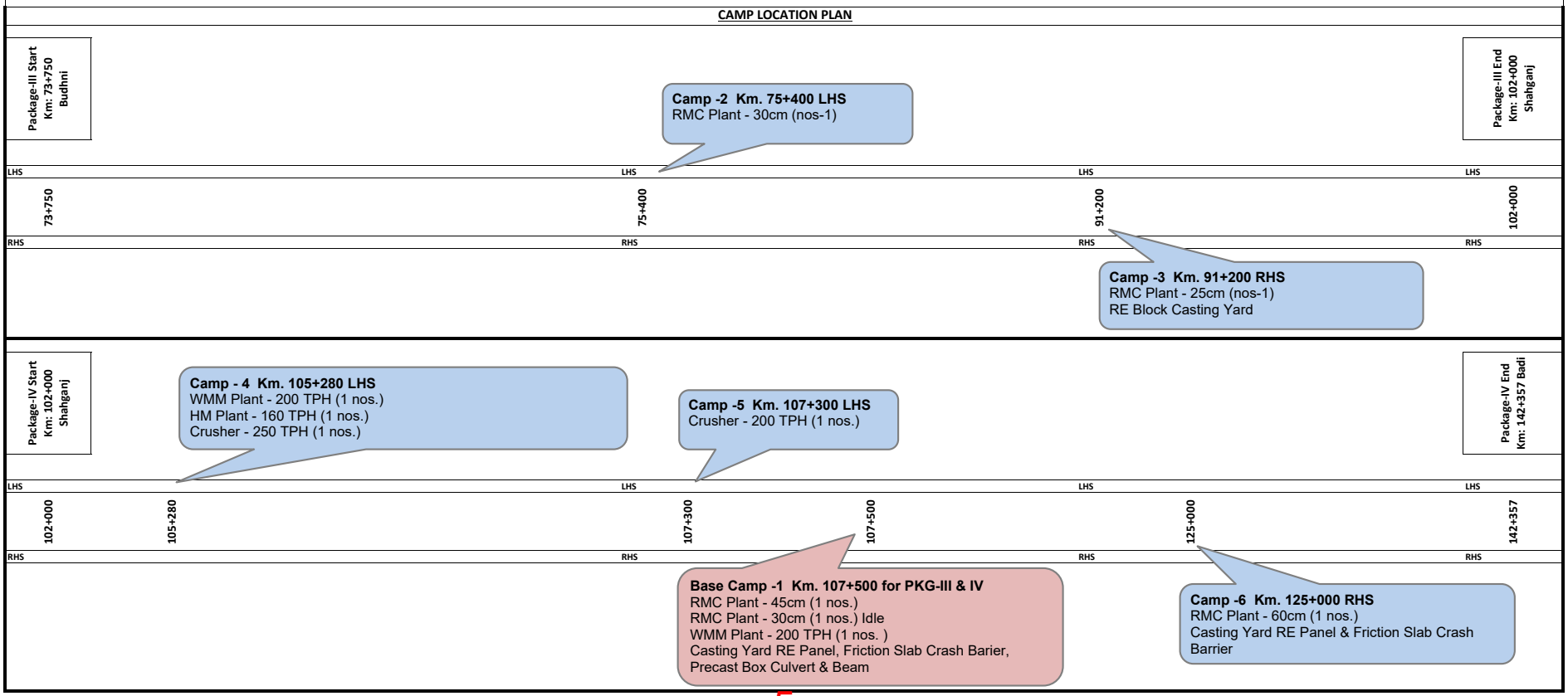
Payment Milestones

Sr. No.	Payment Milestone	Status	Remarks
I	On achievement of 5% of Physical Progress	Achieved	Schedule-G is under review, upon approval MPC-1 on achievement of 5% will be submit.
II	On achievement of 10% of Physical Progress		
III	On achievement of 20% of Physical Progress		
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		

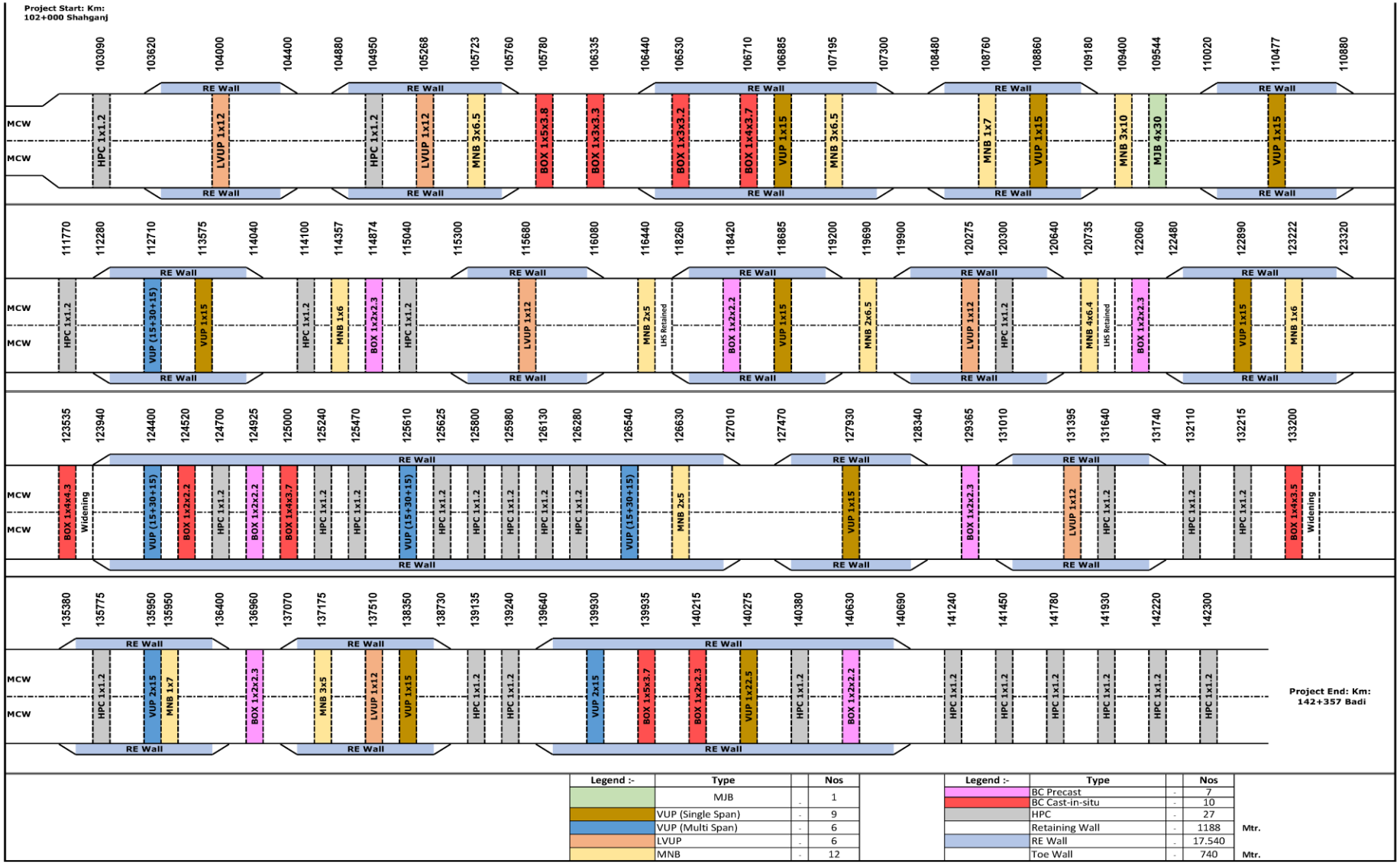
Camp Location Map



CAMP LOCATION PLAN



Key Plan



Legend :-	Type		Nos
	MJB	-	1
	VUP (Single Span)	-	9
	VUP (Multi Span)	-	6
	LVUP	-	6
	MNB	-	12

Legend :-	Type		Nos	
	BC Precast	-	7	
	BC Cast-in-situ	-	10	
	HPC	-	27	
	Retaining Wall	-	1188	Mtr.
	RE Wall	-	17.540	
	Toe Wall	-	740	Mtr.

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 7.55 Km. is effected as on 31.08.2025
	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 submitted to Authority.

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	103850	103970	120	120	BHS	Land not Available
2	103970	104100	130	130	BHS	Land not Available
3	104100	104600	500	500	BHS	Land not Available
4	108240	108560	320	320	BHS	Land not Available
5	108480	108780	300	300	BHS	Land not Available
6	109030	109380	350	350	BHS	Land not Available
7	110200	110880	680	680	BHS	Land not Available
8	111500	111790	290	290	BHS	Land not Available
9	111780	112220	440	440	BHS	Land not Available
10	112220	112980	760	760	BHS	Land not Available
11	115420	115730	310	310	BHS	Land not Available
12	118580	118960	380	380	BHS	Land not Available
13	119900	120250	350	350	BHS	Land not Available
14	120000	120650	650	650	BHS	Land not Available
15	127800	128100	300	300	BHS	Land not Available
16	130500	130910	410	410	BHS	Land not Available
17	131010	131450	440	440	BHS	Land not Available
18	131370	131690	320	320	BHS	Land not Available
19	137300	137800	500	500	BHS	Land not Available
Total Length >>>>			**7550 Mtr**	**7550 Mtr**		

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.**	**35.830**	
Total Workfornt Unavailable Km. due to LAQ/Encroachment	7.55	18.7%	Total Length Completed	-	0.00%	Total Length Completed	-	0.00%
Pending Land Ha.	17.208		BC	-	0.00%	BC	-	0.00%
			DBM	-	0.00%	DBM	-	0.00%
Acq. Ha.	74.565	81.2%	AIL	-	0.00%	AIL	-	0.00%
			CTB	-	0.00%	CTB	-	0.00%
			CTSB/GSB	5.79	7.32%	CTSB/GSB		
			Sub-Grade	15.83	20.01%	Sub-Grade	0.340	0.95%

Progress Status of Structure

DESCRIPTION	SCOPE OF WORK	WORK STATUS			
		COMPLETED	IN PROGRESS	BAL TO TAKEUP	REMARKS
Major Bridges	1		1		
Minor Bridges	12		7	5	
Light Vehicular Underpass	6		3	3	
Vehicular Underpass	15		6	9	
Box Culverts	17	2	9	6	
Pipe Culverts	27	8	12	7	
TOTAL	**78**	**10**	**38**	**30**	

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	74.565	81.25%
F	Balance (F=D-E)	17.208	18.75%
G	Length Available for working (KM)	32.790 (KM)	

Status of Utility Shifting

A - ELECTRICAL UTILITY (MPMKVVCL)

Sr. No.	Description	Total Estimates (Nos)	Total Estimates Submitted to Authority (Nos)	Total Estimates Approved from Authority (Nos)	Total Length Affected (KM.)	Work Status	Remarks
1	33 KVA	19	19	19	61.75	7.7 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 Owening Department by Authority.
2	11 KV	16	16	16	53.48	4.3 Km Wire installation completed and balance in progress. 10 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			
5	11 KV Crossing	60	60	60			
6	LT Line Crossing	38	38	38			
7	Transformers and Sub Stations	64	64	64			

B - WATER SUPPLY/SEWERAGE LINE (PHED)

1	Water supply pipe line	9	9	0			Estimates are submitted to Authority for Approval.

C-TREE CUTTING STATUS (REVENUE & FOREST)

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

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	WMM 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	Tandom 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
A - Operation				
1	Manoj Kumar	Chief Project Manager	Project	
2	Amod Kumar	Project Manager	Highway	
3	Kundan Sharma	Project Manager	Structure	
B - Planning & Billing				
1	Yogesh Sharma	Manager	Planning & Billing	
2	Nitesh Yadav	Asst. Manager	Planning & Billing	
3	Ramesh Dangi	Sr. Engineer	Planning & Billing	
4	Lovey Johnson	Sr. Engineer	Planning & Billing	
5	Virendra Pal Rathore	DEO	Planning & Billing	
C - Highway				
1	Vinay Kumar	Sr Engineer	Highway	
2	Bipin Kanojia	Sr Engineer	Highway	
3	Vikas Kumar Pandey	Sr Engineer	Highway	
4	Ashish Kumar	Sr Engineer	Highway	
5	Arvind Kumar	Engineer	Highway	
6	Ashish Kumar	Engineer	Highway	
7	Sanoj Kumar	Engineer	Highway	
8	Ashif Hussain Ansari	Supervisor	Highway	
9	Praveen Kumar Singh	Supervisor	Highway	
10	Bhanwara Ram	Supervisor	Highway	
D - Structure				
1	Shubham Saini	DPM Structure	Structure	
2	Yogesh Kumar	Sr Engineer	Structure	
3	Vikas Kumar Singh	Sr Engineer	Structure	
4	Rohit Singh	Sr Engineer	Structure	
5	Muni Lal Singh	Executive	Structure	
6	Umesh Singh	Executive	Structure	
7	Raj Kumar	Executive	Structure	
E - QA/QC				
1	Manoj Kumar Dhakar	Manager QA/QC	QA/QC	
2	Munna Kumar Nirala	Asst. Manager QA/QC	QA/QC	
3	Shailesh Kumar	Sr. Lab Tech	QA/QC	
4	Rajesh Kumar	Engineer	QA/QC	
5	Bijaya Kumar Bhuyan	Sr. Lab Technician	QA/QC	
6	Narendra	Lab Tech	QA/QC	
7	Ladu Singh	Lab Tech	QA/QC	

Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
8	Santosh Kumar Gupta	Lab Tech	QA/QC	
9	Naman Pratap Singh	Lab Tech	QA/QC	
10	Ramesh Mirdha	Lab Tech	QA/QC	
11	Lab Helpers (10 Nos.)	Lab Helpers	QA/QC	
F - Survey				
1	Pramod Kumar	Sr. Surveyor	Survey	
2	Krishan Kant Verma	TS Operator	Survey	
3	Dhanna Ram	Surveyor	Survey	
4	Gopi Ram	Surveyor	Survey	
5	Alok Yadav	Surveyor	Survey	
6	Dilip	Surveyor	Survey	
7	Chain Roop Sharma	Surveyor	Survey	
8	Raju	Surveyor	Survey	
9	Samir Kumar	Surveyor	Survey	
10	Raj Kumar	Surveyor	Survey	
11	Babu Lal Nayal	Surveyor	Survey	
12	Kamlesh Choudhary	Surveyor	Survey	
13	Jagdish Choudhary	Surveyor	Survey	
14	Dinesh Bhichar	Surveyor	Survey	
15	Jitendra	Surveyor	Survey	
16	Mahendra Jakhar	Surveyor	Survey	
17	Poora Ram	Surveyor	Survey	
18	Mahendra Bhinchar	Surveyor	Survey	
19	Babu Lal	Surveyor	Survey	
20	Bhala Ram Choudhry	Surveyor	Survey	
21	Raju Ram Choudhary	Surveyor	Survey	
22	Shivam Pandey	DEO	Survey	
23	Survey Helper (06 Nos.)	Helper	Survey	
G -Legal & Liaison				
1	Puneet Kumar Dubey	AGM	Legal & Liaison	
2	Shankar Singh	Officer	Liaison	
H -HR/Admin				
1	Anupam Singh	Manager	HR/Admin	
I -Accounts				
1	Gunesh Ram Vishnoi	Accountant	Accounts	
2	Asheesh Singh Bhadouria	Accountant	Accounts	
J - Safety				

Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
1	A K Mohanty	Manager		
K - Utility Shifting				
1	Gopal Lal Dhabhai	Engineer	Utility Shifting	
L - Store/Purchase				
1	Abhishek Singh	Manager	Store/Purchase	
2	Ramesh Saran	Procurement	Store/Purchase	
3	Naresh Panday	Store Incharge	Store/Purchase	
4	Prithvi Raj Singh	Store Incharge	Store/Purchase	
5	Vikash	Diesel Supervisor	Store/Purchase	
6	Luna Ram	DEO Store	Store/Purchase	
7	Dinesh	Purchase	Store/Purchase	
8	Jitendra Choudhary	Store Keeper	Store/Purchase	
9	Supervisor (04 Nos)	Supervisor	Store/Purchase	
M - Plant & Machinery				
1	Shailendra Kumar Upadhyay	Sr Engineer	Plant & Machinery	
2	Ramesh	Supervisor	Plant & Machinery	
3	Raj Kumar	HM Plant Operator	Plant & Machinery	
4	Hari Narayan	HM Plant Astt Operator	Plant & Machinery	
5	Banwari Lal Meena	WMM Plant Operator	Plant & Machinery	
6	Ramesh Hadat	WMM Plant Operator	Plant & Machinery	
7	Vinay Kumar	RMC Plant Operator	Plant & Machinery	
8	Chandan Kumar	RMC Plant Operator	Plant & Machinery	
9	Abhishek Kumar	RMC Plant Operator	Plant & Machinery	
10	Sanjay Sharma	RMC Plant Operator	Plant & Machinery	
11	Suresh Singh	Astt DBM Plant Operator	Plant & Machinery	
12	Vishambar Singh	RMC Plant Operator	Plant & Machinery	
13	Bharat Kumar	Plant Supervisor	Plant & Machinery	
14	Sunil Kumar Patel	Sr Engineer	Plant & Machinery	
15	Chena Ram	Plant Supervisor	Plant & Machinery	
16	Rana Ram	Plant Supervisor	Plant & Machinery	
17	Lokesh Kourav	Supervisor	Plant & Machinery	
18	Sukh Pal Meena	Supervisor	Plant & Machinery	
19	Sharwan Kumar	Plant Supervisor	Plant & Machinery	
20	Brijesh Kumar	DBM Paver Operator	Plant & Machinery	
21	Shamim Ali	Concrete Pump Operator	Plant & Machinery	
22	Mahaveer Poonia	Plant Supervisor	Plant & Machinery	
23	Nurul Haq Islam	Welder	Plant & Machinery	

Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
24	Sabuddin	Welder	Plant & Machinery	
25	Boduram Gurjar	Welder	Plant & Machinery	
26	Sunil Kumar	Mechanic	Plant & Machinery	
27	Ayub Khan	Mechanic	Plant & Machinery	
28	Akash Kumar Vishwakarma	Mechanic	Plant & Machinery	
29	Sada Vraksha Vishwakarma	Mechanic	Plant & Machinery	
30	Hem Kumar	Mechanic	Plant & Machinery	
31	Md Asalam	Grease Man	Plant & Machinery	
32	Chaman	Tyre Fitter	Plant & Machinery	
33	Gulab Chandra	Electrician	Plant & Machinery	
34	Pintu Kumar	Electrician	Plant & Machinery	
35	Thakur Singh	Auto Electrician	Plant & Machinery	
36	Shembhu Ram	Weigh Bridge Operator	Plant & Machinery	
37	Vikram	Weigh Bridge Operator	Plant & Machinery	
38	Yogesh	Weigh Bridge Operator	Plant & Machinery	
39	Bhopal Singh Bhati	Weigh Bridge Operator	Plant & Machinery	
40	Harman Ram	Weigh Bridge Operator	Plant & Machinery	
41	Madan Lal	Weigh Bridge Operator	Plant & Machinery	
42	Dinesh Godara	Weigh Bridge Operator	Plant & Machinery	
43	Operator / Driver & Helpers 175 No's			

Permission & Approvals

STATUS OF PERMISSION AND APPROVALS AS PER SCHEDULE –E		
Sr. No.	`	**Actual Status**
1	**State Government Permits (Quarrying Permits)**	
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	13.300	27.057	
2	Plan & Profile of Service/Slip Road (Km. 102.000 to Km. 142.357)	17.915	17.915	0	0	17.915	
3	Plan & Profile of line drain (Km. 102.000 to Km. 142.357)	17.915	17.915	0	17.915	0	
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	7	20	
2	Box Culvert	17	15	2	6	11	
3	Minor Bridge	12	10	2	1	11	
4	LVUP	6	6	0		6	
5	VUP	15	13	2	2	13	
6	Major Bridge	1	1	0		1	
TOTAL		**78**	**72**	**6**	**16**	**62**	

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 July-2025

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)	**A- Widening and Strengthening of Existing Road**					
	(1) Earthwork up to top of the Subgrade	Km.	69.959	12.618%	11.520	2.078%
	(2) Granular Work (Sub-Base, Shoulders)					
	(a) CTSB / GSB	Km.	69.959	4.642%	5.790	0.384%
	(b) CTB	Km.	69.959	1.993%	-	0.000%
	(c) AIL/WMM	Km.	69.959	1.853%	-	0.000%
	(3) Shoulder/Median	Km.				
	(4) Bituminous works					
	(c) DBM	Km.	69.959	6.767%	-	0.000%
	(d) BC	Km.	71.565	4.809%	-	0.000%
	(5) Rigid Pavement					
	B- New realignment/Bypass					
	(1) Earthwork up to top of the Subgrade	Km.	9.149	0.950%	4.310	0.448%
	(2) Granular Work (Sub-Base, Shoulders)					
	(a) CTSB/ GSB Realignment	Km.	9.149	0.590%	-	0.000%
	(b) CTB Realignment	Km.	9.149	0.285%	-	0.000%
	(c) AIL Realignment	Km.	9.149	0.265%	-	0.000%
	(3) Shoulder	Km.				
	(4) Bituminous works					
	(c) DBM	Km.	9.149	0.902%	-	0.000%
	(d) BC	Km.	9.149	0.665%	-	0.000%
	(5) Rigid Pavement					
	C- New Culverts, Minor Bridges, Underpasses, Overpasses on existing road, realignments, bypasses:					
	1) Box Culverts (Precast)	Nos.	17.000	1.288%	7.450	0.565%
	A. On Casting					
	B. On Erection					
	1) Hume Pipe Culverts					
	A. On Casting	Nos.	27.000	0.411%	12.000	0.183%
	(2) Minor Bridges					
	a) Foundation	Nos.	12.000	1.598%	3.750	0.499%
	b) Sub-structure	Nos.	12.000	1.380%	2.750	0.316%
	c) Super-structure (including crash barriers etc complete)	Nos.	12.000	1.059%	2.500	0.221%
	(3) Cattle/Pedestrian Underpass					
	a) Foundation	Nos.				
	b) Sub-structure	Nos.				
	c) Super-structure (including crash barriers etc complete)	Nos.				
	(4) Pedestrian Overpassess					
	a) Foundation	Nos.				
	b) Sub-structure	Nos.				
	c) Super-structure (including crash barriers etc complete)	Nos.				
	(5) Grade Separated Structures					
	(A) Underpass (VUP/LVUP)					
	a) Foundation	Nos.	21.000	2.001%	6.000	0.572%
	b) Sub-structure	Nos.	21.000	1.570%	3.000	0.224%
	c) Super-structure (including crash barriers etc complete)	Nos.	21.000	2.893%	1.263	0.174%
	(B) Overpass					
	a) Foundation	Nos.				
	b) Sub-structure	Nos.				
	c) Super-structure (including crash barriers etc complete)	Nos.				
	(C) Flyover					
	a) Foundation	Nos.				
	b) Sub-structure	Nos.				
	c) Super-structure (including crash barriers etc complete)	Nos.				
	(D) Foot Over bridge	Nos.				
Major Bridge works and ROB/RUB	**A- Widening and Repair of Major Bridges**					
	(1) Foundation	Nos.				
	(2) Sub-Structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	B- Widening and Repair of					
	(a) ROB					
	(1) Foundation	Nos.				
	(2) Sub-Structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	(b) RUB					
	(1) Foundation	Nos.				
	(2) Sub-Structure	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
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	C- New Major Bridges					
	(1) Foundation					
	(a) Open Foundation	Nos.	1.000	0.152%	0.600	0.091%
	(b) Pile Foundation/Well Foundation	Nos.				
	(2) Sub-structure	Nos.	1.000	0.270%	0.300	0.081%
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	(a) On Casting	Nos.	1.000	0.279%	0.156	0.044%
	(b) On Erection	Nos.	1.000	0.419%	-	0.000%
	D- New Rail Road Bridges					
	(a) ROB					
	(1) Foundation	Nos.				
	(2) Sub-structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	(b) RUB					
	(1) Foundation	Nos.				
	(2) Sub-structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
Structures (Elevated Section, Reinforced earth)	(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	0.926%	36,270.23	0.251%
	(b) On Erection	Sqm	134050	17.597%	4,580.81	0.601%
Electrical and Public Health Utilities	(a) EHT line	Km				
	(b) EHT crossing	No				
	(c) HT/LT lines (including Transformers if any)	Km	118.950	4.050%	-	0.000%
	(d) HT/LT crossings	No	124.000	1.420%	-	0.000%
	(e) Water pipeline	Km	7.600	0.740%	-	0.000%
	(f) Water pipeline crossings	No				
	(g) Sewage line	Km				
	(h) Sewage line crossings	No				
Other works	**(i) Service Roads/Slip Roads**					
	(1) Earth Work Up to Subgrade Top	Km.	35.830	0.871%	0.340	0.008%
	(2) Granular Work (Sub-Base, Shoulders)					
	(a) CTSB/GSB	Km.	35.830	1.779%	-	0.000%
	(b) AIL/WMM	Km.	35.830	0.739%	-	0.000%
	(3) Shoulders	Km.				
	(4) Bituminous works					
	(a) DBM	Km.	35.830	2.201%	-	0.000%
	(d) BC	Km.	35.830	1.437%	-	0.000%
	(ii) Toll Plaza	Nos.	1.000	2.487%	-	0.000%
	(iii) Road Side Drains	Km.	35.830	5.707%	0.953	0.152%
	(iv) Road signs, markings, Km. Stones, Safety Devices etc.					
	(a) Road signs, markings, Km. Stones, etc.	Km.	40.357	1.915%	-	0.000%
	(f) Concrete Crash Barrier/W-beam Crash Barrier in Road works	Km.	28.770	3.270%	-	0.000%
	(v) Project Facilities					
	(a) Bus Bays/ Shelters	Nos.				
	(b) Truck Lay Byes	Nos.				
	(c) Rest Areas	Nos.				
	(vi) Highway Lighting	Nos.	1156.000	0.962%	-	0.000%
	(vii) Road side plantation	Km.	34.979	0.494%	-	0.000%
	(viii) Protection works					
	a) Boulders pitching on slopes	Km.				
	b) Toe/Retaining wall	Km.	1.928	0.388%	-	0.000%
	(ix) Tunnel	Km.				
	a) Excavation	Meter				
	b) Construction of support system including rock bolting, lining etc.	Meter				
	c) On Completion of Tunnel	Meter				
	(x) Miscellaneous					
	(a) Rain Water Harvesting (At Every 2 Km within ROW)	Nos.	20.000	0.077%	-	0.000%
	(b) Boundary wall	km	79.136	2.773%	-	0.000%
	(c) Culverts on Cross Road	Nos.	45.000	0.504%	-	0.000%
Total				**100.00%**		**6.891%**

Strip Plan :- Shahganj Badi Highways Pvt Ltd

Project Starting	102000
Project Ending (	142357
Ch. Interval	100

Date
31-08-2025

LHS_RCC Drain		LHS	Drain
LHS-Service Road Const.		LHS	SR
	SR Workfront Available	LHS	SR
LHS-MCW Construction	PQC	LHS	MCW
	DLC	LHS	MCW
	BC	LHS	MCW
	DBM	LHS	MCW
	GSB	LHS	MCW
	Sub-Grade	LHS	MCW
	Emb. Top	LHS	MCW
	C&G	LHS	MCW
LHS-MCW Workfront	Other Hindrances	LHS	MCW
	Workfront Available	LHS	MCW
Chainage			
RHS-MCW Workfront	Workfront Available	RHS	MCW
	Other Hindrances	RHS	MCW
RHS-MCW Construction	C&G	RHS	MCW
	Emb. Top	RHS	MCW
	Sub-Grade	RHS	MCW
	GSB	RHS	MCW
	DBM	RHS	MCW
	BC	RHS	MCW
	DLC	RHS	MCW
	PQC	RHS	MCW
	SR Workfront Available	RHS	SR
RHS-Service Road Const.		RHS	SR
RHS_RCC Drain		RHS	Drain
	RE Wall	BHS	
Status of Structures			
Structure Chainage			
Types of Structures			

Chainage: 102+000, 102+100, 102+200, 102+300, 102+400, 102+500, 102+600, 102+700, 102+800, 102+900, 103+000, 103+100, 103+200, 103+300, 103+400, 103+500, 103+600, 103+700, 103+800, 103+900, 104+000, 104+100, 104+200, 104+300, 104+400, 104+500, 104+600, 104+700, 104+800, 104+900, 105+000, 105+100, 105+200, 105+300, 105+400, 105+500, 105+600, 105+700, 105+800, 105+900, 106+000, 106+100, 106+200, 106+300, 106+400, 106+500, 106+600, 106+700, 106+800, 106+900, 107+000, 107+100, 107+200, 107+300, 107+400, 107+500, 107+600, 107+700, 107+800, 107+900, 108+000, 108+100, 108+200, 108+300, 108+400, 108+500, 108+600, 108+700, 108+800, 108+900, 109+000, 109+100, 109+200, 109+300, 109+400, 109+500, 109+600, 109+700, 109+800, 109+900, 110+000, 110+100, 110+200, 110+300, 110+400, 110+500

Structure Chainage: 103+100, 104+000, 104+950, 105+280, 105+740, 105+780, 106+345, 106+540, 106+710, 106+885, 107+195, 108+750, 108+850, 109+400, 109+550, 110+480

Types of Structures: HPC, LVUP, HPC, LVUP, MNB, Box Culvert, Box Culvert, Box Culvert, Box Culvert, VUP, MNB, MNB, VUP, MNB, MJB, VUP

Legends	
Not Started (Blank)	
Work In Progress(WIP)	
Completed(COM)	
Workfront Available (WA)	
Workfront Unavailable (WUA)	

Strip Plan :- Shahganj Badi Highways Pvt Ltd

Project Starting	102000
Project Ending (	142357
Ch. Interval	100

Date
31-08-2025

LHS_RCC Drain		LHS	Drain
LHS-Service Road Const.		LHS	SR
	SR Workfront Available	LHS	SR
LHS-MCW Construction	PQC	LHS	MCW
	DLC	LHS	MCW
	BC	LHS	MCW
	DBM	LHS	MCW
	GSB	LHS	MCW
	Sub-Grade	LHS	MCW
	Emb. Top	LHS	MCW
	C&G	LHS	MCW
LHS-MCW Workfront	Other Hindrances	LHS	MCW
	Workfront Available	LHS	MCW
Chainage			
RHS-MCW Workfront	Workfront Available	RHS	MCW
	Other Hindrances	RHS	MCW
RHS-MCW Construction	C&G	RHS	MCW
	Emb. Top	RHS	MCW
	Sub-Grade	RHS	MCW
	GSB	RHS	MCW
	DBM	RHS	MCW
	BC	RHS	MCW
	DLC	RHS	MCW
	PQC	RHS	MCW
	SR Workfront Available	RHS	SR
RHS-Service Road Const.		RHS	SR
RHS_RCC Drain		RHS	Drain
	RE Wall	BHS	
Status of Structures			
Structure Chainage			
Types of Structures			

Chainage: 110+600, 110+700, 110+800, 110+900, 111+000, 111+100, 111+200, 111+300, 111+400, 111+500, 111+600, 111+700, 111+800, 111+900, 112+000, 112+100, 112+200, 112+300, 112+400, 112+500, 112+600, 112+700, 112+800, 112+900, 113+000, 113+100, 113+200, 113+300, 113+400, 113+500, 113+600, 113+700, 113+800, 113+900, 114+000, 114+100, 114+200, 114+300, 114+400, 114+500, 114+600, 114+700, 114+800, 114+900, 115+000, 115+100, 115+200, 115+300, 115+400, 115+500, 115+600, 115+700, 115+800, 115+900, 116+000, 116+100, 116+200, 116+300, 116+400, 116+500, 116+600, 116+700, 116+800, 116+900, 117+000, 117+100, 117+200, 117+300, 117+400, 117+500, 117+600, 117+700, 117+800, 117+900, 118+000, 118+100, 118+200, 118+300, 118+400, 118+500, 118+600, 118+700, 118+800, 118+900, 119+000, 119+100

Structure Chainage: 111+790, 112+710, 113+575, 114+100, 114+365, 114+870, 115+050, 115+675, 116+440, 118+420, 118+690

Types of Structures: HPC, VUP, VUP, HPC, MNB, Box Culvert, HPC, LVUP, MNB, Box Culvert, VUP

Legends	
Not Started (Blank)	
Work In Progress(WIP)	
Completed(COM)	
Workfront Available (WA)	
Workfront Unavailable (WUA)	

Strip Plan :- Shahganj Badi Highways Pvt Ltd

Project Starting	102000
Project Ending (	142357
Ch. Interval	100

Date
31-08-2025

LHS_RCC Drain		LHS	Drain
LHS-Service Road Const.		LHS	SR
	SR Workfront Available	LHS	SR
LHS-MCW Construction	PQC	LHS	MCW
	DLC	LHS	MCW
	BC	LHS	MCW
	DBM	LHS	MCW
	GSB	LHS	MCW
	Sub-Grade	LHS	MCW
	Emb. Top	LHS	MCW
	C&G	LHS	MCW
LHS-MCW Workfront	Other Hindrances	LHS	MCW
	Workfront Available	LHS	MCW
Chainage			
RHS-MCW Workfront	Workfront Available	RHS	MCW
	Other Hindrances	RHS	MCW
RHS-MCW Construction	C&G	RHS	MCW
	Emb. Top	RHS	MCW
	Sub-Grade	RHS	MCW
	GSB	RHS	MCW
	DBM	RHS	MCW
	BC	RHS	MCW
	DLC	RHS	MCW
	PQC	RHS	MCW
	SR Workfront Available	RHS	SR
RHS-Service Road Const.		RHS	SR
RHS_RCC Drain		RHS	Drain
	RE Wall	BHS	
Status of Structures			
Structure Chainage			
Types of Structures			

Chainage
119+200
119+300
119+400
119+500
119+600
119+700
119+800
119+900
120+000
120+100
120+200
120+300
120+400
120+500
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126+500
126+600
126+700
126+800
126+900
127+000
127+100
127+200
127+300
127+400
127+500
127+600
127+700

Structure Chainage	Types of Structures
119+700	MNB
120+275	LVUP
120+300	HPC
120+735	MNB
122+075	Box Culvert
122+890	VUP
123+235	MNB
123+535	Box Culvert
124+400	VUP
124+520	Box Culvert
124+700	HPC
124+935	Box Culvert
125+005	Box Culvert
125+240	HPC
125+470	HPC
125+610	VUP
125+625	HPC
125+800	HPC
125+980	HPC
126+130	HPC
126+280	HPC
126+540	VUP
126+630	MNB

Legends
Not Started (Blank)
Work In Progress(WIP)
Completed(COM)
Workfront Available (WA)
Workfront Unavailable (WUA)

Strip Plan :- Shahganj Badi Highways Pvt Ltd

Project Starting		**102000**	
Project Ending (		**142357**	
Ch. Interval		**100**	**Date**
			31-08-2025
LHS_RCC Drain		**LHS**	**Drain**
LHS-Service Road Const.		**LHS**	**SR**
	SR Workfront Available	**LHS**	**SR**
LHS-MCW Construction	**PQC**	**LHS**	**MCW**
	DLC	**LHS**	**MCW**
	BC	**LHS**	**MCW**
	DBM	**LHS**	**MCW**
	GSB	**LHS**	**MCW**
	Sub-Grade	**LHS**	**MCW**
	Emb. Top	**LHS**	**MCW**
	C&G	**LHS**	**MCW**
LHS-MCW Workfront	**Other Hindrances**	**LHS**	**MCW**
	Workfront Available	**LHS**	**MCW**
Chainage			
RHS-MCW Workfront	**Workfront Available**	**RHS**	**MCW**
	Other Hindrances	**RHS**	**MCW**
RHS-MCW Construction	**C&G**	**RHS**	**MCW**
	Emb. Top	**RHS**	**MCW**
	Sub-Grade	**RHS**	**MCW**
	GSB	**RHS**	**MCW**
	DBM	**RHS**	**MCW**
	BC	**RHS**	**MCW**
	DLC	**RHS**	**MCW**
	PQC	**RHS**	**MCW**
	SR Workfront Available	**RHS**	**SR**
RHS-Service Road Const.		**RHS**	**SR**
RHS_RCC Drain		**RHS**	**Drain**
	RE Wall	**BHS**	
Status of Structures			
Structure Chainage			
Types of Structures			

Chainage: 127+800, 127+900, 128+000, 128+100, 128+200, 128+300, 128+400, 128+500, 128+600, 128+700, 128+800, 128+900, 129+000, 129+100, 129+200, 129+300, 129+400, 129+500, 129+600, 129+700, 129+800, 129+900, 130+000, 130+100, 130+200, 130+300, 130+400, 130+500, 130+600, 130+700, 130+800, 130+900, 131+000, 131+100, 131+200, 131+300, 131+400, 131+500, 131+600, 131+700, 131+800, 131+900, 132+000, 132+100, 132+200, 132+300, 132+400, 132+500, 132+600, 132+700, 132+800, 132+900, 133+000, 133+100, 133+200, 133+300, 133+400, 133+500, 133+600, 133+700, 133+800, 133+900, 134+000, 134+100, 134+200, 134+300, 134+400, 134+500, 134+600, 134+700, 134+800, 134+900, 135+000, 135+100, 135+200, 135+300, 135+400, 135+500, 135+600, 135+700, 135+800, 135+900, 136+000, 136+100, 136+200, 136+300

Structure Chainage: 127+940, 129+365, 131+395, 131+640, 132+110, 132+215, 133+200, 135+775, 135+950, 135+950

Types of Structures: VUP, Box Culvert, LVUP, HPC, HPC, HPC, Box Culvert, HPC, VUP, MNB

Legends	
Not Started (Blank)	
Work In Progress(WIP)	
Completed(COM)	
Workfront Available (WA)	
Workfront Unavailable (WUA)	

Strip Plan :- Shahganj Badi Highways Pvt Ltd

Project Starting		**102000**	
Project Ending (		**142357**	
Ch. Interval		**100**	**Date**
			31-08-2025
LHS_RCC Drain		**LHS**	**Drain**
LHS-Service Road Const.		**LHS**	**SR**
	SR Workfront Available	**LHS**	**SR**
LHS-MCW Construction	**PQC**	**LHS**	**MCW**
	DLC	**LHS**	**MCW**
	BC	**LHS**	**MCW**
	DBM	**LHS**	**MCW**
	GSB	**LHS**	**MCW**
	Sub-Grade	**LHS**	**MCW**
	Emb. Top	**LHS**	**MCW**
	C&G	**LHS**	**MCW**
LHS-MCW Workfront	**Other Hindrances**	**LHS**	**MCW**
	Workfront Available	**LHS**	**MCW**
Chainage			
RHS-MCW Workfront	**Workfront Available**	**RHS**	**MCW**
	Other Hindrances	**RHS**	**MCW**
RHS-MCW Construction	**C&G**	**RHS**	**MCW**
	Emb. Top	**RHS**	**MCW**
	Sub-Grade	**RHS**	**MCW**
	GSB	**RHS**	**MCW**
	DBM	**RHS**	**MCW**
	BC	**RHS**	**MCW**
	DLC	**RHS**	**MCW**
	PQC	**RHS**	**MCW**
	SR Workfront Available	**RHS**	**SR**
RHS-Service Road Const.		**RHS**	**SR**
RHS_RCC Drain		**RHS**	**Drain**
	RE Wall	**BHS**	
Status of Structures			
Structure Chainage			
Types of Structures			

Chainage
136+400
136+500
136+600
136+700
136+800
136+900
137+000
137+100
137+200
137+300
137+400
137+500
137+600
137+700
137+800
137+900
138+000
138+100
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141+000
141+100
141+200
141+300
141+400
141+500
141+600
141+700
141+800
141+900
142+000
142+100
142+200
142+300
142+400

Status of Structures	Structure Chainage	Types of Structures
	136+985	Box Culvert
	137+175	MNB
	137+520	LVUP
	138+360	VUP
	139+135	HPC
	139+240	HPC
	139+930	VUP
	139+935	Box Culvert
	140+215	Box Culvert
	140+275	VUP
	140+380	HPC
	140+655	Box Culvert
	141+240	HPC
	141+480	HPC
	141+780	HPC
	141+930	HPC
	142+220	HPC
	142+300	HPC

Legends		
Not Started (Blank)		
Work In Progress(WIP)		
Completed(COM)		
Workfront Available (WA)		
Workfront Unavailable (WUA)		

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 whereever 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.

SAFETY & HEALTH

- 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.
- 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.

EXISTING ROAD MAINTENANCE

Routine Maintenance of Project Highway is being carried out on Regular intervals so as to fulfil the requirement of Agreement.

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 INFRATECH PRIVATE LIMITED

MONTHLY PROGRESS REPORT FOR THE MONTH OF AUGUST 2025 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 FOR THE MONTH	REMARKS
						PASS	FAIL			
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^2	1536				1536		
2	BORROW AREA MATERIAL	Gradation	2 Tests/ 3000 m^3	490	16	16		506	16	
		Proctor	2 Tests/ 3000 m^3	490	16	16		506	16	
		Atterberg Limits	2 Tests/ 3000 m^3	490	16	16		506	16	
		Free Swell Index	2 Tests/ 3000 m^3	490	16	16		506	16	
		CBR	1 Test/3000 m^3	243	8	8		251	8	
3	FIELD DRY DENSITY (FDD) TEST	Embankment Layer	10 Density measurement/ 3000 m^2	9374	150	150		9524	30	
		Subgrade layer	10 Density measurement/ 2000 m^2	2611				2611		
		Shoulder	10 Density measurement/ 2000 m^2							
4	GRANULAR SUBBASE [G.S.B]	Gradation	1 Test/ 400 m^3	78				78		
		Atterberg's Limits	1 Test/ 400 m^3	67				67		
		Proctor	As required	2				2		
		CBR	As required	2				2		
		AIV	As required	26				26		
		Field Density	1 Test/ 1000 m^2	486				486		
4	CEMENT TREATED SUB BASE [CTSB]	Gradation	1 Test/ 400 cum of mix		10	10		10	10	
		Atterberg's Limits	1 Test/ 400 cum of mix		1	1		1	1	
		Proctor	As required		1	1		1	1	
		AIV	As required		1	1		1	1	
		07 Days Unconfined Compressive Strength (UCS)	1 Test of 3 Specimens 400 tonnes of mix (2 test per Day.)		3	3		3	10	
		Field Density	1 Specimens of 2 Test/ 500 sq.m							
4	CEMENT TREATED BASE [CTB]	Gradation	1 Test/ 400 cum of mix		10	10		10	10	
		Atterberg's Limits	1 Test/ 400 cum of mix		1	1		1	1	
		Proctor	As required		1	1		1	1	
		AIV	As required		1	1		1	1	

MONTHLY PROGRESS REPORT FOR THE MONTH OF AUGUST 2025 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 FOR THE MONTH	REMARKS
						PASS	FAIL			
		07 Days Unconfined Compressive Strength (UCS)	1 Test of 3 Specimens 400 tonnes of mix (2 test per Day.)		3	3		3	10	
		07 Days Flexural Strength	1 Test of 3 Specimens 400 tonnes of mix (2 test per Day.)		1	1		1	10	
		Field Density	1 Specimens of 2 Test/ 500 sq.m							
	AGGREGATE INTER LAYER [AIL]	Gradation of Mix Agg.	1 Test/ 200 m^3		10	10		10	10	
		Atterberg's Limits	1 Test/ 200 m^3		1	1		1	1	
		Proctor	As required		1	1		1	1	
		AIV Test	1 Test/ 1000 m^3		1	1		1	1	
		Fl& El Test	1 Test/ 500 m^3		1	1		1	1	
		Field Density	1 Set of 3 Test/ 1000 m^2							
5	WET MIX MACADAM [W.M.M]	Gradation of Mix Agg.	1 Test/ 200 m^3	3				3		
		Atterberg's Limits	1 Test/ 200 m^3	1				1		
		Proctor	As required	1				1		
		AIV Test	1 Test/ 1000 m^3	1				1		
		Fl& El Test	1 Test/ 500 m^3	1				1		
		Field Density	1 Set of 3 Test/ 1000 m^2							
6	PRIME /TACK COAT	Quality of binder	1 Samples / lot(Vehicle)							
		Binder Temperature	At Regular intervals							
		Rate of Spread of Binder	3 Tests/ Day							
7	BITUMEN	Penetration	3 tests/Lot							
		Viscosity	3 tests/Lot							
		Softening Point	3 tests/Lot							
8	DENSE BITUMINOUS MACADAM [D.B.M]	Agg. Impact Value	1 Test/ 350 m^3							
		Fl& El Indices	1 Test/ 350 m^3							
		Sp.Gravity & W.Absorption	1 Set of Test on Source							
		Mix Gradation	1 Test/400 Tons							
		Stability of Mix	1 Set/400 Tons							
		Binder Content	1Test/400 Tons							
		Gmm	1Test/day/plant							
		Density of Core	1Test/ 700 m^2							
		Agg. Impact Value	1 Test/ 350 m^3							
		Fl& El Indices	1 Test/ 350 m^3							

MONTHLY PROGRESS REPORT FOR THE MONTH OF AUGUST 2025 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 FOR THE MONTH	REMARKS
						PASS	FAIL			
9	BITUMINOUS CONCRETE [B.C]	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^2							
10	COMPRESSIVE STRENGTH -									
	CONCRETE	**M -10 GRADE PCC**								
		07 Days	As per MoRT&H	68	5	5		73	3	
		28 Days		122	9	9		131	3	
		M -15 GRADE PCC								
		07 Days	As per MoRT&H	144	4	4		148	1	
		28 Days		221	8	8		229	3	
		M -20 GRADE RCC								
		07 Days	As per MoRT&H	16				16		
		28 days		52	3	3		55	3	
		M -20 GRADE (KERB)								
		07 Days	As per MoRT&H							
		28 Days								
		M -25 GRADE RCC								
		07 Days	As per MoRT&H	120				120		
		28 Days		213	3	3		216	3	
		M -30 GRADE RCC & Precast								
		07 Days	As per MoRT&H	95	6	6		101	3	
		28 Days		243	25	25		268	12	
	CONCRETE	**M -35 GRADE RCC & Precast**								
		07 Days	As per MoRT&H	326	80	80		406	33	
		28 Days		1111	161	161		1272	61	
		M -40 GRADE RCC								
		07 Days	As per MoRT&H	90	60	60		150	21	
		28 Days		111	114	114		225	27	
		M -45 GRADE RCC								
		07 Days	As per MoRT&H							
		28 Days								
		M -50 GRADE RCC								
		07 Days	As per MoRT&H	3	3	3		6	3	
		28 Days		5	6	6		11	6	
11	DLC	07 Days	One set /1000 Sqm							
		Field Density	3 Density Holes/2000 Sqm							
		M -40 GRADE								

MONTHLY PROGRESS REPORT FOR THE MONTH OF AUGUST 2025 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 FOR THE MONTH	REMARKS
						PASS	FAIL			
12	PQC	Cubes 07 Days	As per MoRT&H							
		28 Days								
		Beams 07 Days								
		28 Days								
13	CEMENT	Consistency	1 Test / week/Source	18	6	6		24	2	
		Initial and Final Setting Time	1 Test / week/Source	18	6	6		24	2	
		Specific Gravity	As & when Required							
		Soundness	1 Test / week/Source	18	6	6		24	2	
		Finness	1 Test / week/Source	18	6	6		24	2	
		Compressive Strength	1 Test / week/Source	48	17	17		65	5	
14	CEMENT GROUT	Compressive Strength	1 Set / Day/Girder							
15	CEMENT MORTAR	Compressive Strength	1 Set / Day							
16	WATER	Water Tests	Every 3 month	3	2	2		5		
17	STEEL	32mm dia.	Min 2 Samples / 100 MT	2	1	1		3		
		25 mm dia.	Min 2 Samples / 100 MT	3	1	1		4		
		20 mm dia.	Min 2 Samples / 100 MT	5	1	1		6		
		16 mm dia.	Min 2 Samples / 100 MT	5	1	1		6		
		12 mm dia.	Min 2 Samples / 100 MT	4	1	1		5		
		10 mm dia	Min 2 Samples / 100 MT	3	1	1		4		
		8 mm dia	Min 2 Samples / 100 MT	3				3		
		Structural Steel	Each and every Lot							
		HT Strands	1 Test /Each Coil/Lot		1	1		1		
18	FINE AGGREGATE	Sieve Analysis	1 Test/day/plant/Source	152	31	31		183	17	
		Sp.Gravity & W.Absorption	As & when Required	5				5		
		Organic Impurities	As & when Required							
19	COARSE AGGREGATES	Sieve Analysis	1 Test/day/plant/Source	359	93	93		452	51	
		Sp.Gravity & W.Absorption	As & when Required	6				6		
		A I V Tests	1 Test/week/plant/Source	18	4	4		22	2	
		E.I & F.I Index	1 Test/Fort night/plant	17	4	4		21	2	
20	CALIBRATION	Plant	Every 3 month	2	1	1		3	1	
		Lab. Equipments	As per Calibration Plan	67				67		

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**

WEATHER RECORD FOR THE MONTH AUGUST - 2025 Lab @ Ch-107+500 RHS

SR. No	DATE	RAIN FALL IN (MM)	CUMM RAIN FALL IN (MM)	HUMIDITY (%)	TEMPRATURE ^{0}C		REMARKS
					8:00 AM		
					MIN	MAX	
1	01-Aug-24	0.0	0.0	95	25.4	34.7	
2	02-Aug-24	0.0	0.0	96	24.1	29.8	
3	03-Aug-24	0.0	0.0	97	25.1	32.4	
4	04-Aug-24	0.0	0.0	96	24.8	33.9	
5	05-Aug-24	0.0	0.0	95	25.8	35.9	
6	06-Aug-24	0.0	0.0	97	26.8	36.5	
7	07-Aug-24	0.0	0.0	98	26.5	36.1	
8	08-Aug-24	3.8	3.8	99	25.9	37.6	
9	09-Aug-24	41.2	45.0	99	24.1	35.8	
10	10-Aug-24	2.6	47.6	99	24.2	34.2	
11	11-Aug-24	0.0	47.6	98	24.6	34.8	
12	12-Aug-24	0.0	47.6	98	24.7	34.3	
13	13-Aug-24	0.0	47.6	98	25.3	34.9	
14	14-Aug-24	0.0	47.6	97	24.2	34.6	
15	15-Aug-24	0.0	47.6	99	24.7	34.9	
16	16-Aug-24	0.0	47.6	98	24.5	34.1	
17	17-Aug-24	0.0	47.6	99	25.6	35.6	
18	18-Aug-24	16.4	64.0	99	25.1	37.6	
19	19-Aug-24	32.6	96.6	99	25.9	37.3	
20	20-Aug-24	14.4	111.0	99	25.4	33.6	
21	21-Aug-24	12.6	123.6	99	25.2	32.5	
22	22-Aug-24	28.2	151.8	99	25.1	32.7	
23	23-Aug-24	41.6	193.4	99	24.4	33.1	
24	24-Aug-24	16.3	209.7	99	24.3	33.7	
25	25-Aug-24	18.4	228.1	99	24.1	33.4	
26	26-Aug-24	29.2	257.3	99	23.2	34.1	
27	27-Aug-24	0.0	257.3	99	24.4	36.4	
28	28-Aug-24	0.0	257.3	99	26.4	36.8	
29	29-Aug-24	9.3	266.6	99	26.1	33.4	
30	30-Aug-24	26.4	293.0	99	26.2	31.2	
31	31-Aug-24	56.2	349.2	99	25.3	32.1	

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

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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	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 Balanc	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	POURING CYLINDER (SMALL) FDD SET	100 MM	2	
36	POURING CYLINDER (MEDIUM) FDD SE	150 MM	2	
37	POURING CYLINDER (BIG) FDD SET	200 mm	2	
38	POURING CYLINDER TRAY (SMALL) FDI	100 MM	2	
39	POURING CYLINDER TRAY(MEDIUM) FD	150 MM	2	
40	POURING CYLINDER TRAY(BIG) FDD	200 mm	2	
41	RMM	Capacity 25%	2	
42	CALCIUM CARBIDE FOR RMM	PACKETS	10	

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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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
43	MEASURING CYLINDER (GLASS)	100 ml.	45	
44	MEASURING CYLINDER (GLASS)	500 ml.	7	
45	MEASURING CYLINDER (GLASS)	1000 ml.	2	
46	MEASURING CYLINDER (PLASTIC)	500 ml.	2	
47	MEASURING CYLINDER (PLASTIC)	1000 ml.	2	
48	BEAKER (GLASS)	500 ml.	8	
49	BEAKER (GLASS)	1000 ml.	1	
50	BOROSIL FLASK	100 ml.	1	
51	GMM FILTERING FLASK WITH RUBBER (	500 ml	1	
52	GMM FILTERING FLASK WITH RUBBER (	2000 ml	2	
53	GMM FILTERING FLASK WITH RUBBER (	5000 ml	2	
54	FUNNEL	50mm,100mm	1 Each	
55	PYCNOMETER BOTTEL FOR SPG		8	
56	DEPTH MEASURING SCALE	300 mm	3	
57	GLASS PLATE	100X80 mm	2	
58	GLASS PLATE	200X200 mm	2	
59	GLASS PLATE	600X600 mm	1	
60	DIGITAL THERMOMETER	0°C TO 300°C	6	
61	GLASS THERMOMETER	0°C TO 250°C	8	
62	VERNIER CALIPER DIGITAL	300 mm	1	
63	HYDROMETER	0.80 to 0.90 & 1.0 to 1.5	1 Each	
64	STOP WATCH		2	
65	HYGROMETER	MIN. & MAX. TEMP.	2	
66	GI TRAY (BIG SIZE)	1200X1000 MM	3	
67	GI TRAY (BIG SIZE)	1000X1000 MM	1	
68	GI TRAY (BIG SIZE)	1000X500 MM	2	
69	ENAMEL TRAY	600X450 MM	6	
70	GI TRAY	600X450 MM	16	
71	GI TRAY (MEDIUM SIZE)	600X400 MM	1	
72	GI TRAY (SMALL SIZE)	400X350MM	1	
73	ENAMEL TRAY (SMALL SIZE)	450X300 MM	15	
74	GI TRAY (SMALL SIZE)	450X300 MM	18	
75	ENAMEL TRAY (SMALL SIZE)	350X250 MM	12	
76	ENAMEL CIRCULAR PLATE	250MM	12	
77	CO0LING BATH DIGITAL		1	
78	WATER BATH DIGITAL 60°C WITH THERMOSTATICALLY CONTROL	30 Liter capecity	2	
79	OVEN (BIG)	1250X750 MM	1	(Sr No.160212)

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 INFRATECH PRIVATE LIMITED**

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

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
80	OVEN (MEDIUM)	900X600 MM	1	(Sr No.081141)
81	OVEN (SMALL)	600X600 MM	1	
82	DRYING OVEN	225 Liter	2	
83	HOT PLATE	200 mm	1	
84	FI GUAGE		2	
85	ELONGATION GUAGE		2	
86	SIEVE SHAKER	200mm	1	
87	CYLINDER FOR BULK DENSITY OF AGGI	3Ltr,10 Ltr. & 30 Ltr.	1 Set	
88	BEAM MOULD	15X15X70CM	3	
89	CONCRETE CUBE MOULD	15X15X15CM	100	
90	GROUTING CUBE MOULD	10X10X10CM	10	
91	CEMENT CUBE MOULDS	7.06X7.06X7.06	34	
92	MORTAR CUBE MOULD	5X5X5	6	
93	SLUMP CONE WITH TEMPING RODS		9	
94	AIV APPRATUS WITH ALL ASSESORIES		1	
95	COMPRESSIVE STRENGTH TEST(CTM) DIGITAL	2000 KN	1	
96	FLEXTURAL TESTING MACHINE	100 KN	1	
97	CONCRETE MIXER MACHINE WITH CAP	150 Liter Capacity	1	Electrically operated
98	VIBRATING TABLE	1MX1M	1	
99	CEMENT CUBE VIBRETING MACHINE		1	
100	VICAT.APP.WITH ASS.		1	
101	VICAT.APP NEEDLE FOR INITIAL SETTING TIME		1	
102	VICAT.APP NEEDLE FOR FINAL SETTING TIME		1	
103	VICAT.APP PLUNGER FOR CONSISTENCY		1	
104	SOUNDNESS TEST APPARATUS (CEMEN	PACKETS	2	
105	LE-CHATLEIR FLASK		1	
106	STANDERD SAND ZONE-I,II,III		2 Each	
107	GAUGING TROWEL		2	
108	WIRE BASKET FOR DENSITY		2	
109	RIFFLE BOX (SAMPLE DIVIDER)	75 mm	1	
110	RIFFLE BOX (SAMPLE DIVIDER)	53 mm	1	
111	RIFFLE BOX (SAMPLE DIVIDER)	25 mm	1	
112	SAND SCOOP (Small)		5	
113	CORE CUTTER MACHINE - HILTI DD-160	150 mm Dia	1	
114	CORE BIT (DIAMOND CUTTING EDGE)	100 mm Dia	2	
115	CORE BIT (DIAMOND CUTTING EDGE)	150 mm Dia	2	
116	FLOW CUP		1	
117	DLC COMPECTOR (HILTI TE-1000 AIR)		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

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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	AIR METER FOR CONCRETE MIX Autometic type As per ASTM C231		1	
119	COMPACTION FACTOR EQUIPMENT CONCRETE As per IS:5515-1983		1	
120	WASH BOTTLE PLASTIC	1 LTR	1	
121	3 METER STRAIGHT EDGE AND MEASURING WEDGE		1 Set	
122	Digital Depth Gage	INSIZE	1	
123	BITUMEN EXTRACTION MACHINE		1	
124	MARSHALL STABILITY		1	
125	COMPACTION PEDESTAL		1	
126	VACUUM PUMP		1	
127	RING AND BALL APPARATUS		1	
128	BITUMEN PENETROMETER		1	
129	TAR VISCOMETER		1	
130	VISCOSITY BATH		1	
131	MARSHAL MOULD WITH CALLOR	100 mm Dia	12	
132	RAIN GAUGE		1	
133	**SIEVE SIZE 450 mm dia**			
	125mm		2	
	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	

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
	4.75mm		9	
	2.8mm		1	
	2.36mm		5	
	1.4mm		1	
	1.18 mm		2	
	LID & PAN		2	
134	**SIEVE SIZE 200 mm dia Brass**			
	6.3mm		4	
	4.75mm		4	
	2.36mm		4	
	2.0mm		6	
	1.7mm		3	
	1.18mm		3	
	1.0 mm		3	
	850mic		4	
	600mic		2	
	425mic		4	
	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

CLIENT	**: NATIONAL HIGHWAYS AUTHORITY OF INDIA**
CONCESSIONAIRE	**: SHAHGANJ BADI HIGHWAY PRIVATE LIMITED**
INDEPENDENT ENGINEER	**: SAPTAGON ASIA PVT. LTD**
EPC CONTRACTOR	**: MCC INFRATECH 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 Varifying 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	08-06-25	07-09-25	
2	Proctor Moulds Standard	SBHPL/QC-1/MCC/PM/1-3	In House	Every 3 months	Available in Records	08-06-25	07-09-25	
3	Proctor Rammer 4.9kg	SBHPL/QC-1/MCC/PH/1-5	In House	Every 3 months	Available in Records	08-06-25	07-09-25	
4	Proctor Rammer 2.6kg	SBHPL/QC-1/MCC/PH/6-8	In House	Every 3 months	Available in Records	08-06-25	07-09-25	
5	CBR Moulds	SBHPL/QC-1/MCC/CM/1-66	In House	Every 3 months	Available in Records	08-06-25	07-09-25	
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 30 KN	SBHPL/MCC/PR/30KN/01	DRS Testing Technology Pvt.Ltd	26 months	Available in Records	04-01-25	03-03-27	
8	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	
9	Surcharg Weights	SBHPL/QC-1/MCC/SW/1-76	In House	1 Year	Available in Records	09-03-25	08-06-26	
10	Cone Penetrometer	SBHPL/QC-1/MCC/CP/01	In House	1 Year	Available in Records	09-03-25	08-06-26	
11	Moisture Containers (Steel)	SBHPL/QC-1/MCC/MC/1-247	In House	Every 3 months	Available in Records	09-06-25	08-09-25	
12	Electronic Balance 50 Kg	SBHPL/MCC/WB/50/2	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
13	Electronic Balance 30 Kg	SBHPL/MCC/WB/30/1-2	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
14	Electronic Balance 20 Kg	SBHPL/MCC/WB/20/3	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
15	Electronic Balance 10 Kg	SBHPL/MCC/WB/10/1-2	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
16	Electronic Balance 5 Kg	SBHPL/MCC/WB/5/1	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
17	Electronic Balance 5 Kg	SBHPL/MCC/WB/5/2	Kumar Brother	1 Year	Available in Records	15-05-25	14-05-26	
18	Electronic Balance 600 gm	SBHPL/MCC/WB/600/1-2	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
19	Sand Pouring Cylinder 100 mm	SBHPL/QC-1/MCC/SPC-100/01	In House	Every 3 months	Available in Records	09-06-25	08-09-25	
20	Sand Pouring Cylinder 150 mm	SBHPL/QC-1/MCC/SPC-150/01	In House	Every 3 months	Available in Records	09-06-25	08-09-25	
21	Sand Pouring Cylinder 200 mm	SBHPL/QC-1/MCC/SPC-200/01	In House	Every 3 months	Available in Records	09-06-25	08-09-25	
22	Rapid Moisture Meter (RMM)	SBHPL/QC-1/MCC/RMM/01	In House	Every 3 months	Available in Records	09-06-25	08-09-25	
23	Digital Thermometer	SBHPL/MCC/TH/1-2	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
24	Glass Thermometer	SBHPL/MCC/GT/1-2	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	

CLIENT : NATIONAL HIGHWAYS AUTHORITY OF INDIA
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EPC CONTRACTOR : MCC INFRATECH 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 Varifying Document	Date of Calibration	Next Due Date of Calibration	Remark
25	Vernier Caliper Digital	SBHPL/MCC/DVC/1	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
26	Measuring Tape	SBHPL/MCC/MT/1	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
27	Stop Watch Digital	SBHPL/MCC/DSW/1	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
28	S.S.Scale	SBHPL/MCC/SS/01	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
29	Flakiness Gauge	SBHPL/MCC/FI/01	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
30	Elongation gauge	SBHPL/MCC/EI/01	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
31	Vacuum gauge	SBHPL/MCC/VG/01	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
32	Bitumen Extraction Machine	SBHPL/MCC/BE/01	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
33	Water bath Digital	SBHPL/MCC/WB/1-2	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
34	Hot Air Oven	SBHPL/MCC/OV/1-5	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
35	Concrete Cube Moulds	SBHPL/QC-1/MCC/CCM/1-100	In House	Every 3 months	Available in Records	07-07-25	06-10-25	
36	Cement Cube Moulds	SBHPL/QC-1/MCC/CM/1-34	In House	Every 3 months	Available in Records	07-07-25	06-10-25	
37	Slump Cone	SBHPL/QC-1/MCC/SC/1-9	In House	Every 3 months	Available in Records	08-07-25	06-10-25	
38	AIV Appratus	SBHPL/QC-1/MCC/AIV/1	In House	Every 3 months	Available in Records	10-01-25	09-01-26	
39	Compressive Strength Machine (CTM) 2000 KN	SBHPL/MCC/DCTM/01	Asain Technology	1 Year	Available in Records	12-12-24	11-12-25	
40	Flextural Testing Machine (FTM) 100 KN	SBHPL/MCC/FTM/01	Asain Technology	1 Year	Available in Records	12-12-24	11-12-25	
41	CEMENT CUBE VIBRETING MACHINE	SBHPL/MCC/VM/01	Asain Technology	1 Year	Available in Records	10-12-24	09-12-25	
42	Vicat Apparatus	SBHPL/QC-1/MCC/VA/01	In House	1 Year	Available in Records	10-01-25	09-01-26	
43	IS Sieve (450mm Dia)	SBHPL/MCC/GIS/1-26	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
44	IS Sieve (200mm Dia)	SBHPL/MCC/BS/1-19	Premium Calibration Services	1 Year	Available in Records	10-12-24	09-12-25	
45	Concrete Batching Plant (BP-01) @ 107+500 RHS	SBHPL/MCC/BP-01	In House	Every 3 months	Available in Records	09-07-25	08-10-25	
46	Concrete Batching Plant (BP-02) @ 125+000 LHS	SBHPL/MCC/BP-02	In House	Every 3 months	Available in Records	04-08-25	03-11-25	

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	Additional work coming under Change of Scope intimated to NHAI & IE vide Letter No. SBHPL/NHAI/FY24-25/127 dated 16th June 2025. The Change of Scope Works are summarized as below: 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 2. 4 no's Pipe Culvert @ Km 124+900, Km 125+020, Km 125+690 & Km 126+100 at Canal Crossing in Baktra Bypass 3. New Pipe Culvert @ KM 126+880 for Irrigation Canal Crossing 4. New Pipe Culvert @ KM 130+520 for Irrigation Canal Crossing 5. New Pipe Culvert @ KM 130+880 for irrigation Canal Crossing 6. At Km 124+400 provision of Both Direction VUP (15+30+15) with Earthwork 7. Additional VUP @ km. 125+000 & RE Wall Approach Baktra Bypass 8. Change in Minor Bridge size from (1 X 7.00) To (1 X 22.00) @ Kms 135+950 and Deletion of VUP 9. Change in Box Culvert size from (1 X 5.00 X 3.7) To MNB (1 X 22.00 X 3.7) and deletion of VUP at Kms 139+930 with SR 10. Additional New Box Culvert @ Km. 142+290 for irrigation canal 11. Shifting of Irrigation Canal from 126+700 To 127+250 LHS from ROW 12. Shifting of Irrigation Canal from Km 128.400 TO 130.500 LHS from ROW 13. Construction of Toe Wall/Provision of Retaining Wall where ROW is not Available excluding Provision of Schedule-B 14. Utility Shifting of GSS at km 108+150 15. PHED pipe line extra work as per Schedule-B 16. Change of Location of VUP (2 x 15) From Km 135+950 to Km. 102+250 Sudan Village as VIP demand 17. Deletion of VUP (15+30+15) at Km 112+710 with approach	*16th June 2025*	COS-I Submit for In Principal approval vide letter No. SBHPL/NHAI/FY24-25/127 dated 16th June 2025 Observations Raised by Independent Engineer vide letter no. SAPL/MP/2025-25/441 dated 03.07.2025 Compliance Submitted by Concessionaire vide letter no. SBHPL/NHAI/25-26/189 dated 14.07.2025 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	*Rs. 40.25 Crore* *Rs. 50.22 Crore* *Rs. 37.16 Crore*	*Under process*

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 Effected 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 Saftey

Annexure I

SHAHGANJ BADI HIGHWAYS PVT. LTD.

No work due to Rain at Km. 106+820

No work due to Rain at Km. 123+600

SHAHGANJ BADI HIGHWAYS PVT. LTD.

No work due to Rain at Km. 135+000

No work due to Rain at Km. 140+300

SHAHGANJ BADI HIGHWAYS PVT. LTD.

No work due to Rain at Km. 116+100

SHAHGANJ BADI HIGHWAYS PVT. LTD.

No work due to Rain at Km. 125+000 to 126+000

SHAHGANJ BADI HIGHWAYS PVT. LTD.

Girder Casting Work in Progress

SHAHGANJ BADI HIGHWAYS PVT. LTD.

Work in progress at Km. 108+760 MNB

Work in progress at Km. 106+885 VUP

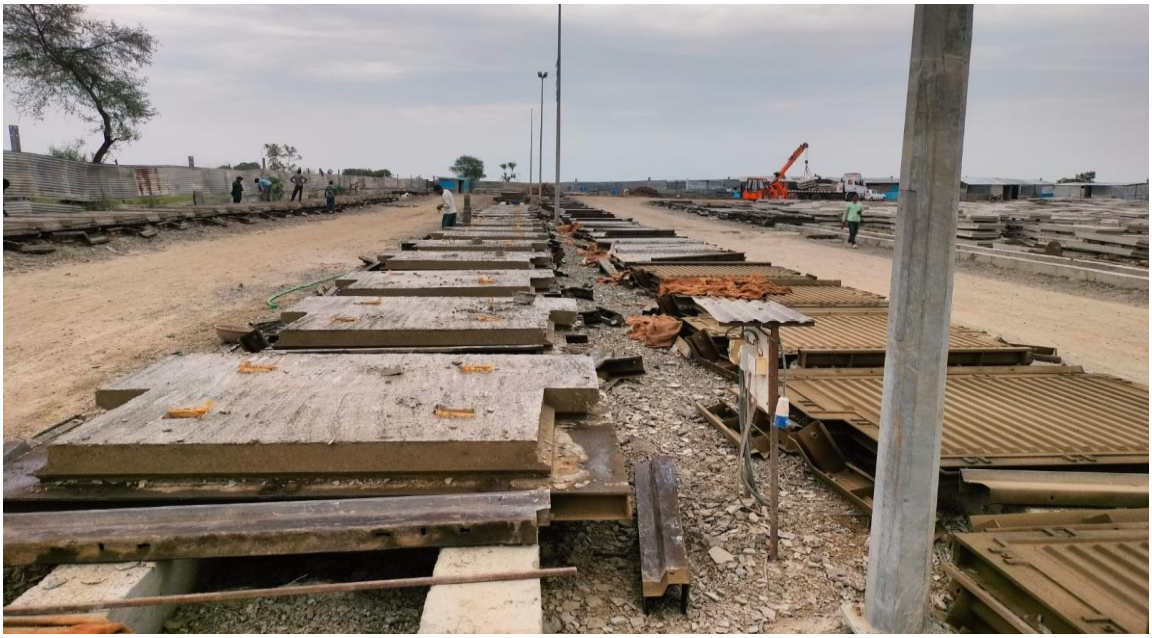
SHAHGANJ BADI HIGHWAYS PVT. LTD.

Concrete Work in Progress at MJB Km 109+544 RHS A1

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