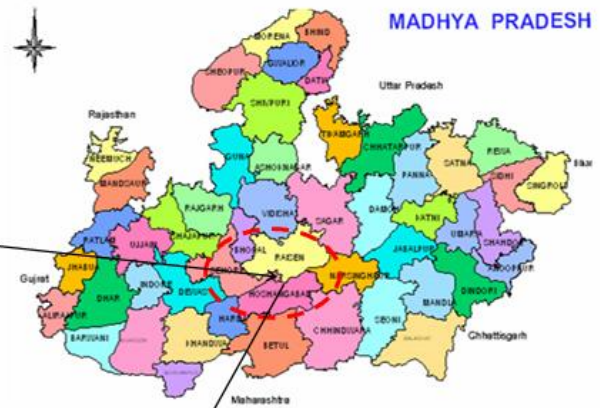


SHAHGANJ BADI HIGHWAYS PVT. LTD.

MONTHLY PROGRESS REPORT

July-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 - JULY - 2025

Index

S.No.	Description	From		To
1	Executive Summary	1	to	1
2	Salient Features of Projects	2	to	2
3	Project Milestone	3	to	4
4	Location Map	5	to	5
5	Key Plan	6	to	6
6	Unresolved Issues/Constraints	7	to	8
7	Strip Plan (Summary)	9	to	9
8	Progress Status Structure	10	to	10
9	Land Acquisition and clearances	11	to	11
10	Status of Utility Shifting	12	to	12
11	Mobilization Resources	13	to	17
12	Permissions and Approval	18	to	18
13	Drawing Status	19	to	19
14	Physical Progress	20	to	21
15	Strip Chart	22	to	26
16	Safety and Health	27	to	28
17	Quality	29	to	42
18	Change of Scope	43	to	43
19	Accident Report	44	to	44
20	Photographs	45	to	51

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 (%)	5.32%
Current Month Physical Progress (%)	0.65%
Cumulative Expenditure till date (Rs Cr) as per Construction cost @ 483 Cr.	25.676
Tests passed as % of total tests witnessed by IE	13.51%

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. 483
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.

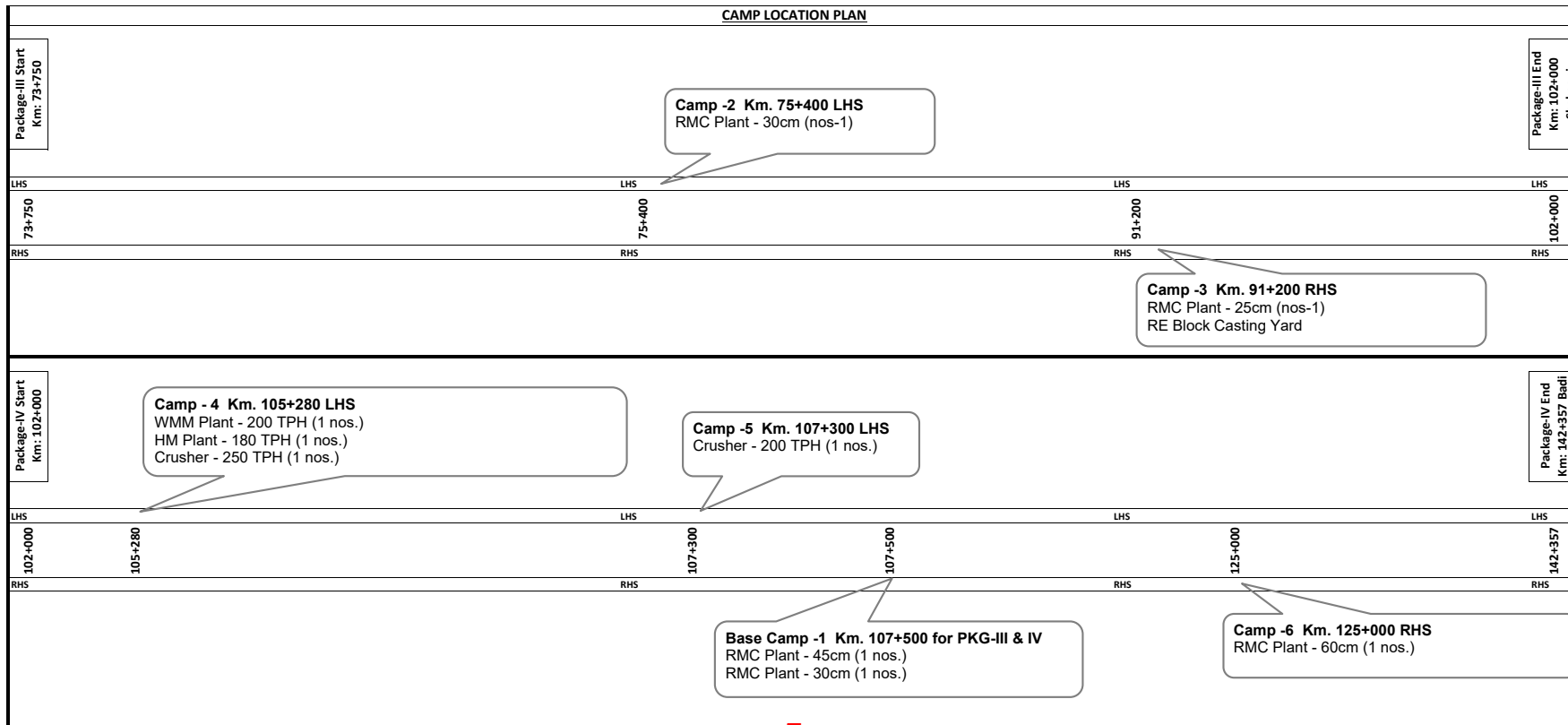
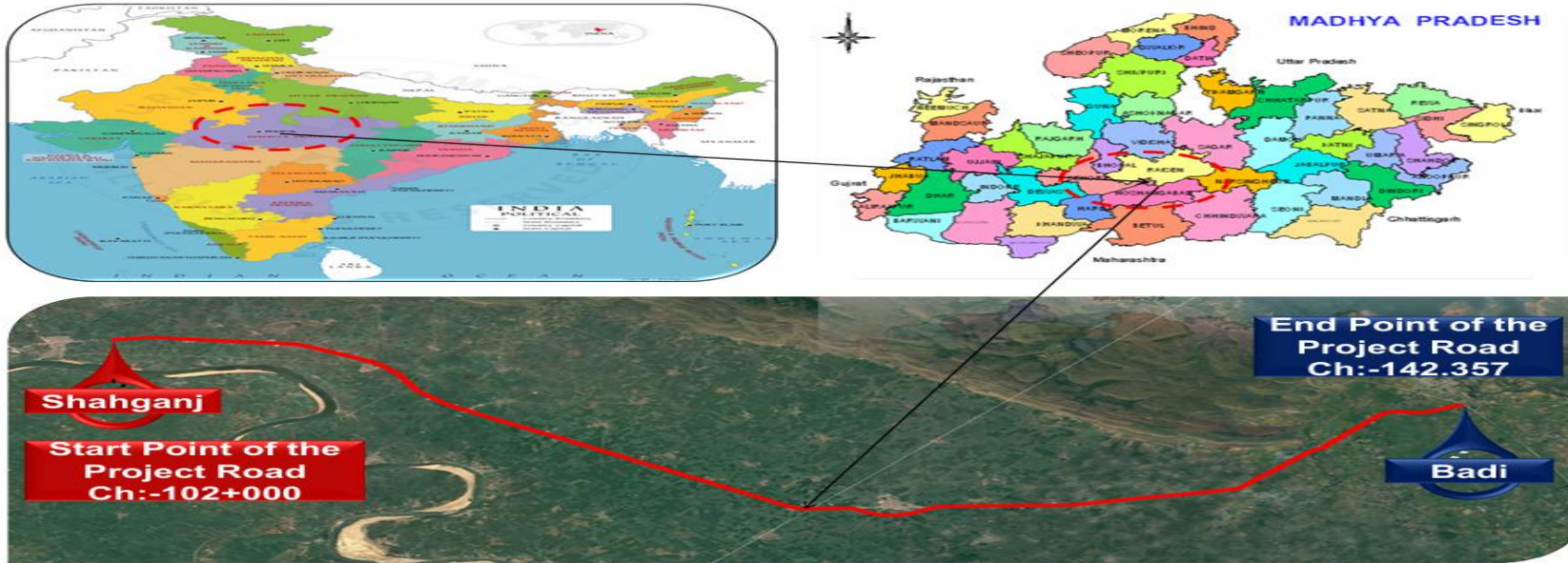
Project Milestones

Project Milestone	Date	Physical Progress for achievement (%)	Date as per Approved EOT	Status	Remarks
Appointed Date	25-03-2025	Nil			
Milestone I	20-09-2025	20%			5.32%
Milestone II	17-02-2026	35%			
Milestone III	15-09-2026	75%			
Scheduled Completion	24-03-2027	100%			

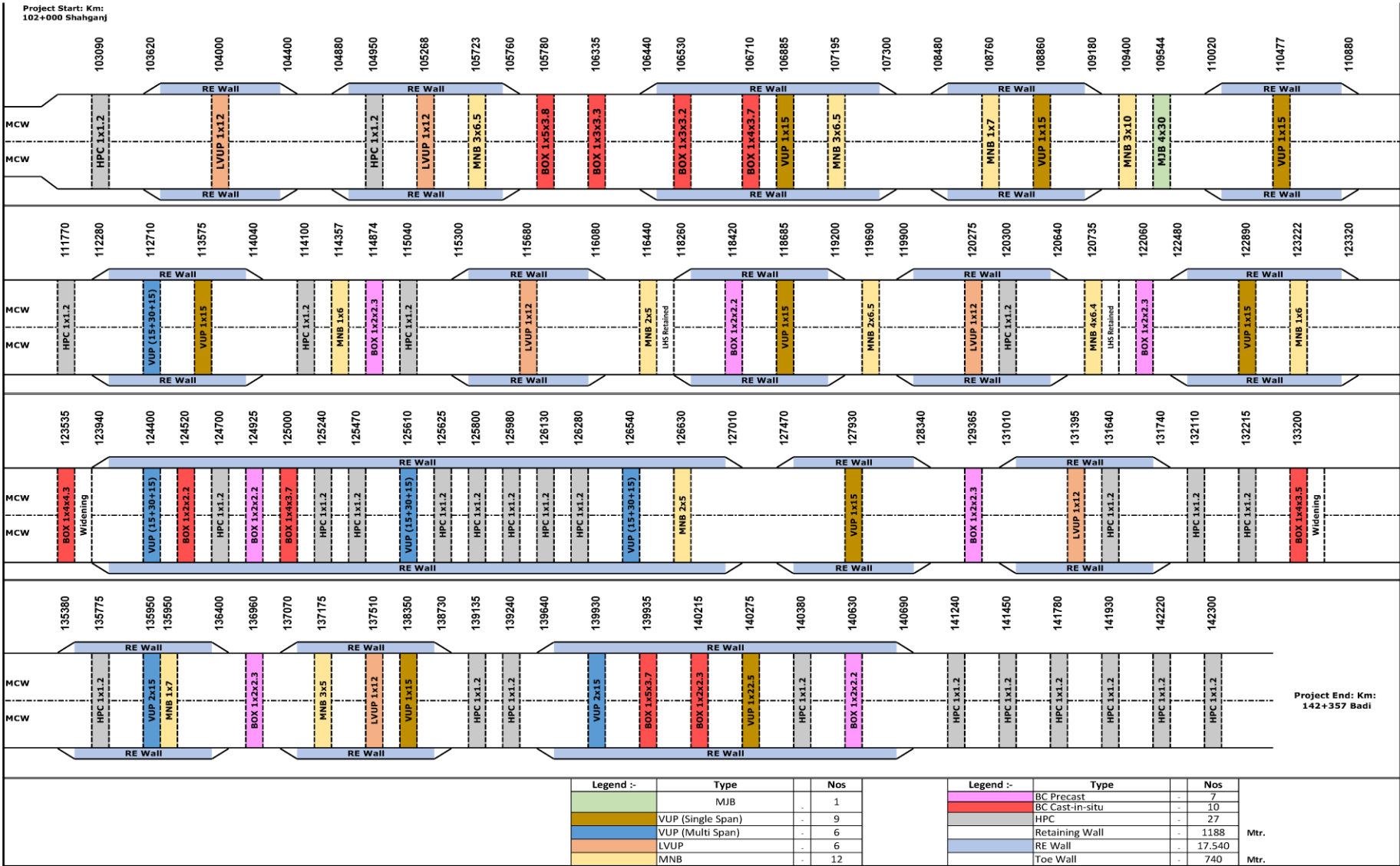
Payment Milestones

Sr. No.	Payment Milestone	Status	Remarks
I	On achievement of 5% of Physical Progress		
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



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.	
	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.	39.554		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%	WMM	-	0.00%	WMM	-	0.00%
			GSB	4.59	11.60%	GSB	1.500	4.19%
			Sub-Grade	7.89	19.95%	Sub-Grade	2.540	7.09%

Progress Status of Structure

DESCRIPTION	SCOPE OF WORK	WORK STATUS				REMARKS
		COMPLETED	IN PROGRESS	TOTAL TAKEN UP	BAL TO TAKEUP	
Major Bridges	1		1			
Minor Bridges	12		7		5	
Light Vehicular Underpass	6		2		4	
Vehicular Underpass	15		6		9	
Box Culverts	17	2	9		6	
Pipe Culverts	27	8	11		8	
TOTAL	78	10	36		32	

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	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	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	10 Km. Pole Erection completed and balance work in progress. 1.5 Km Wire installation completed and balance 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	TOTAL CUT	TOTAL BALANCE TO CUT	REMARKS		
		(NOS)	(NOS)	(NOS)			
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	2	2025	
2	RMC PLANT	CONMAT	CP-45	1	2025	
3	RMC PLANT	CONMAT	CP-25	1	2025	
4	RMC PLANT	CONMAT	CP-60	1	2025	
5	Hot Mix Plant	APOLLO	APOLLO 200 TPH	1	2025	
6	WMM PLANT	APOLLO	APOLLO 200 TPH	1	2025	
7	CRUSHER PLANT	METSO	METSO 250 TPH	1	2025	
8	CRUSHER PLANT	TEREX	TEREX 200 TPH	1	2025	
9	WMM Paver	VOLVO	Paver 5.0 Mtr	1	2025	
10	DBM Paver	VOLVO	Paver 9.0 Mtr	1	2025	
11	DG Set 125 KVA	Mahindra	125 KVA	4	2025	
12	DG Set 200 KVA	SUDHIR CUMMINS	200 KVA	1	2025	
13	DG Set 500 KVA	CAT	500 KVA	2	2025	
14	DG Set 30 KVA	SUDHIR CUMMINS	30 KVA	5	2025	
15	DG Set 20 KVA	SUDHIR CUMMINS	20 KVA	5	2025	
16	Light Mast	CUMMINS	KG1-5AS3/5KVA	1	2025	
17	Hydraulic Broomer	BROOMER HYDRAULIC	ALLWIN	1	2025	
18	Soil Compactor	VOLVO	SD110	1	2025	
19	Soil Compactor	JCB	VM116	1	2025	
20	Soil Compactor	HAMM	311	5	2025	
21	Soil Compactor	CASE	CASE 1107 EX	1	2025	
22	Soil Compactor	DYNAPAC	CA385D	3	2025	
23	Baby Roller	CASE		1	2025	
24	Baby Roller	JCB		3	2025	
25	Tandom Roller	HAMM		1	2025	
26	Motor Grader	CAT	CATERPILLAR 120K2 SERIES 2	9	2025	
27	Motor Grader	CASE	CASE 845 B MOTER GRADER	1	2025	
28	Excavator	KOBELCO		2	2025	
29	Excavator	TATA		1	2025	
30	Excavator	CAT		2	2025	
31	Excavator	JCB		8	2025	
32	Wheel Loader	JCB	4374 & JCB INDIA	4	2025	
33	Dozer	CASE		1	2025	
34	Dozer	CAT		4	2025	
35	Hydra	ESCORT	TRX 1549 XT & ESCORT	3	2025	
36	Hyd. Crane	SANY	SANY	1	2025	
37	Trailer	BHARATBENZ	BHARATBENZ 3123R 8X2 BSIV	1	2025	
38	Trailer	TATA	LPS4018TC/32	2	2025	
39	Diesel Tanker	TATA	TATA SPC 709EX/38 BSIV	1	2025	
40	Diesel Tanker	Mahindra	BOLERO SC XL CBC 2WD	1	2025	
41	Boom Pressor	TATA	SIGNA 2823 K BS VI, 56WHD	1	2025	
42	Concrete Pump	SCHWING Stetter	DP-350	1	2025	
43	Tipper	TATA	LPK 2518 TC/38	40	2025	
44	Water Tanker	TATA	LPK 2518 TC/38	10	2025	
45	Transit Mixer	TATA	TRUXO BS-III	1	2025	
46	Transit Mixer	TATA	LPK 2518 TC/38	9	2025	
47	Backhoe Loader	JCB	JCB 3DX XTRA	3	2025	
48	Backhoe Loader	CAT	BACKHOE LOADER 2WD	1	2025	
49	LMV	Mahindra	SCORPIO S10 2.2	2	2025	
50	LMV	Mahindra	BOLERO	5	2025	
51	LMV	Toyota	FORTUNER	2	2025	
52	LMV	Mahindra	MHINDRA BOLERO CAMPER	8	2025	

Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
A - Operation				
1	Amod Kumar	Project Manager	Highway	
2	Vikrant Tyagi	Project Manager	Highway	
3	Kundan Sharma	Project Manager	Structure	
B - Planning & Billing				
1	Yogesh Sharma	Manager	Planning & Billing	
2	Pradeep Singh	Manager	Planning & Billing	
3	Nitesh Yadav	Asst. Manager	Planning & Billing	
4	Ramesh Dangi	Sr. Engineer	Planning & Billing	
5	Lovey Johnson	Sr. Engineer	Planning & Billing	
6	Virendra Pal Rathore	DEO	Planning & Billing	
7	Sunil	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	Sunil Choudhary	Engineer	Highway	
6	Arvind Kumar	Engineer	Highway	
7	Ashish Kumar	Engineer	Highway	
8	Sanoj Kumar	Engineer	Highway	
9	Ashif Hussain Ansari	Supervisor	Highway	
10	Praveen Kumar Singh	Supervisor	Highway	
11	Bhanwara Ram	Supervisor	Highway	
12	Sunil	Supervisor	Highway	
13	Jodha Ram	Supervisor	Highway	
D - Structure				
1	Shubham Saini	DPM Structure	Structure	
2	Narayan Ram Patel	DPM Structure	Structure	
3	Yogesh Kumar	Sr Engineer	Structure	
4	Vikas Kumar Singh	Sr Engineer	Structure	
5	Rohit Singh	Sr Engineer	Structure	
6	Pavan Kumar	Sr Engineer	Structure	
7	Muni Lal Singh	Executive	Structure	
8	Umesh Singh	Executive	Structure	
9	Raj Kumar	Executive	Structure	
10	Rajan Kumar Singh	Foreman	Structure	

Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
E - QA/QC				
1	Manoj Kumar Dhakar	Manager QA/QC	QA/QC	
2	Chandrabhan Singh	Manager QA/QC	QA/QC	
3	Munna Kumar Nirala	Asst. Manager QA/QC	QA/QC	
4	Shailesh Kumar	Sr. Lab Tech	QA/QC	
5	Rajesh Kumar	Engineer	QA/QC	
6	Bijaya Kumar Bhuyan	Sr. Lab Technician	QA/QC	
7	Narendra	Lab Tech	QA/QC	
8	Ladu Singh	Lab Tech	QA/QC	
9	Santosh Kumar Gupta	Lab Tech	QA/QC	
10	Naman Pratap Singh	Lab Tech	QA/QC	
11	Ramesh Mirdha	Lab Tech	QA/QC	
12	Lab Helpers (10 Nos.)	Lab Helpers	QA/QC	
F - Survey				
1	Pramod Kumar	Sr. Surveyor	Survey	
2	Krishan Kant Verma	TS Operator	Survey	
3	Atul Sharma	TS Operator	Survey	
4	Dhanna Ram	Surveyor	Survey	
5	Gopi Ram	Surveyor	Survey	
6	Alok Yadav	Surveyor	Survey	
7	Ram Chandra	Surveyor	Survey	
8	Dilip	Surveyor	Survey	
9	Chain Roop Sharma	Surveyor	Survey	
10	Raju	Surveyor	Survey	
11	Samir Kumar	Surveyor	Survey	
12	Raj Kumar	Surveyor	Survey	
13	Babu Lal Nayal	Surveyor	Survey	
14	Kamlesh Choudhary	Surveyor	Survey	
15	Jagdish Choudhary	Surveyor	Survey	
16	Dinesh Bhichar	Surveyor	Survey	
17	Jitendra	Surveyor	Survey	
18	Mahendra Jakhar	Surveyor	Survey	
19	Poora Ram	Surveyor	Survey	
20	Mahendra Bhinchar	Surveyor	Survey	
21	Babu Lal	Surveyor	Survey	
22	Bhala Ram Choudhry	Surveyor	Survey	
23	Raju Ram Choudhary	Surveyor	Survey	

Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
24	Shivam Pandey	DEO	Survey	
25	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				
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	

Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
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	
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	0	17.915	
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		27	
2	Box Culvert	17	15	2		17	
3	Minor Bridge	12	9	3		12	
4	LVUP	6	6	0		6	
5	VUP	15	13	2		15	
6	Major Bridge	1	1	0		1	
TOTAL		78	71	7	0	78	

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

BOQ Item	Description	Unit	Qty.	Weightage in percentage to the Contract Price	Upto Date	
					Completed Qty.	Physical Progress %Age
1	2	3	4	5	6	7
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.	34.979	5.36%	6.460	0.989%
	(2) Granular Work (Sub-Base, Shoulders)					
	(a) GSB	Km.	34.979	3.40%	4.590	0.446%
	(b) WMM	Km.	34.979	5.71%	-	0.000%
	(3) Shoulder/Median	Km.	22.014	0.16%	-	0.000%
	(4) Bituminous works					
	(a) Prime Coat	Km.	34.979	0.55%	-	0.000%
	(b) Tack Coat	Km.	34.979	0.21%	-	0.000%
	(c) DBM	Km.	34.979	8.03%	-	0.000%
	(d) BC	Km.	35.550	6.36%	-	0.000%
	(5) Rigid Pavement					
	B- New realignment/Bypass					
	(1) Earthwork up to top of the Subgrade	Km.	4.575	0.73%	1.430	0.227%
	(2) Granular Work (Sub-Base, Shoulders)					
	(a) GSB	Km.	4.575	0.47%	-	0.000%
	(b) WMM	Km.	4.575	0.79%	-	0.000%
	(3) Shoulder	Km.				
	(4) Bituminous works					
	(a) Prime Coat	Km.	4.575	0.08%	-	0.000%
	(b) Tack Coat	Km.	4.575	0.03%	-	0.000%
	(c) DBM	Km.	4.575	1.11%	-	0.000%
	(d) BC	Km.	4.807	0.86%	-	0.000%
	(5) Rigid Pavement					
	C- New Culverts, Minor Bridges, Underpasses, Overpasses on existing road, realignments, bypasses:					
	(1) Culverts	Nos.	17.000	0.88%	6.750	0.350%
	(2) Minor Bridges					
	a) Foundation	Nos.	13.000	2.11%	4.350	0.707%
	b) Sub-structure	Nos.	13.000	1.51%	2.700	0.313%
	c) Super-structure (including crash barriers etc complete)	Nos.	13.000	2.41%	1.750	0.325%
	(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	2.90%	5.250	0.724%	
b) Sub-structure	Nos.	21.000	2.07%	1.500	0.148%	
c) Super-structure (including crash barriers etc complete)	Nos.	21.000	3.31%	-	0.000%	
(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.					

BOQ Item	Description	Unit	Qty.	Weightage in percentage to the Contract Price	Upto Date	
					Completed Qty.	Physical Progress %Age
1	2	3	4	5	6	7
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	C- New Major Bridges					
	(1) Foundation					
	(a) Open Foundation	Nos.				
	(b) Pile Foundation/Well Foundation	Nos.				
	(2) Sub-structure	Nos.				
	(3) Super-structure (including crash barriers etc complete)	Nos.				
	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	135000.000	23.08%	4,474.046	0.765%
Electrical and Public Health Utilities	(a) EHT line	Km				
	(b) EHT crossing	No				
	(c) HT/LT lines (including Transformers if any)	Km	118.950	2.58%	-	0.000%
	(d) HT/LT crossings	No	124.000	0.31%	-	0.000%
	(e) Water pipeline	Km	7.600	0.16%	-	0.000%
	(f) Water pipeline crossings	No	2.000	0.06%	-	0.000%
	(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	1.21%	2.540	0.086%
	(2) Granular Work (Sub-Base, Shoulders)					
	(a) GSB	Km.	35.830	1.18%	1.500	0.049%
	(b) WMM	Km.	35.830	1.25%	-	0.000%
	(3) Shoulders	Km.				
	(4) Bituminous works					
	(a) Prime Coat	Km.	35.830	0.21%	-	0.000%
	(b) Tack Coat	Km.	35.830	0.08%	-	0.000%
	(c) DBM	Km.	35.830	2.41%	-	0.000%
	(d) BC	Km.	35.830	2.29%	-	0.000%
	(ii) Toll Plaza	Nos.	1.000	2.18%	-	0.000%
	(iii) Road Side Drains	Km.	35.830	2.84%	2.368	0.188%
	(iv) Road signs, markings, Km. Stones, Safety Devices etc.					
	(a) Road signs, markings, Km. Stones, etc.	Km.	39.554	1.36%	-	0.000%
	(f) Concrete Crash Barrier/W-beam Crash Barrier in Road works	Km.	53.956	7.74%	-	0.000%
	(v) Project Facilities					
	(a) Bus Bays/ Shelters	Nos.	21.000	0.03%	-	0.000%
	(b) Truck Lay Bys	Nos.				
	(c) Rest Areas	Nos.				
	(vi) Highway Lighting	Km.	39.554	1.47%	-	0.000%
	(vii) Road side plantation	Km.	39.554	0.26%	-	0.000%
	(viii) Protection works					
	a) Boulders pitching on slopes	Km.				
	b) Toe/Retaining wall	Km.	1.928	0.29%	-	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					
	Total >>>			100.00%		5.32%
				Construction Cost	4,83,24,78,607	
				Detailed Engineering, Site Establishment, Preoperative Expenses	6,00,00,000	
				Construction Support, Project Management Activities	20,08,00,000	
				Maintenance of Road	7,18,00,000	
				Traffic Safety During Construction	2,50,00,000	
				Total EPC Contract Value	5,19,00,78,607	

Project Starting	102000		
Project Ending (142357		
Ch. Interval	100	Date	
		31-07-2025	
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	LHS	MCW	
Other Hindrances	LHS	MCW	
Workfront Available	LHS	MCW	
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	
RHS-MCW Workfront	RHS	MCW	
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			
			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
			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)			

Project Starting	102000		
Project Ending (142357		
Ch. Interval	100	Date	31-07-2025
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	LHS	MCW	
Other Hindrances	LHS	MCW	
Workfront Available	LHS	MCW	
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	
RHS-MCW Workfront	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			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

Project Starting 102000
 Project Ending (142357
 Ch. Interval 100 Date 31-07-2025

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		LHS	MCW																																																																																																																																																																																				
Other Hindrances Workfront Available		LHS	MCW																																																																																																																																																																																				
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	120+600	120+700	120+800	120+900	121+000	121+100	121+200	121+300	121+400	121+500	121+600	121+700	121+800	121+900	122+000	122+100	122+200	122+300	122+400	122+500	122+600	122+700	122+800	122+900	123+000	123+100	123+200	123+300	123+400	123+500	123+600	123+700	123+800	123+900	124+000	124+100	124+200	124+300	124+400	124+500	124+600	124+700	124+800	124+900	125+000	125+100	125+200	125+300	125+400	125+500	125+600	125+700	125+800	125+900	126+000	126+100	126+200	126+300	126+400	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																																																																																														
RHS-MCW Workfront		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				119+700																											120+275	120+300																											120+735																											122+075																											122+890																											123+235	123+535																											124+400	124+520	124+700	124+935	125+005	125+240	125+470	125+610	125+625	125+800	125+980	126+130	126+280	126+540	126+630	
Types of Structures				MNB																											LVUP	HPC																											MNB																											Box Culvert																											VUP																											MNB	Box Culvert																											VUP	Box Culvert	HPC	Box Culvert	Box Culvert	HPC	HPC	VUP	HPC	HPC	HPC	HPC	HPC	HPC	VUP	MNB

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

Project Starting	102000		
Project Ending (142357		
Ch. Interval	100	Date	31-07-2025
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	LHS	MCW	
Other Hindrances	LHS	MCW	
Workfront Available	LHS	MCW	
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
			138+200
			138+300
			138+400
			138+500
			138+600
			138+700
			138+800
			138+900
			139+000
			139+100
			139+200
			139+300
			139+400
			139+500
			139+600
			139+700
			139+800
			139+900
			140+000
			140+100
			140+200
			140+300
			140+400
			140+500
			140+600
			140+700
			140+800
			140+900
			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
RHS-MCW Workfront	RHS	MCW	
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			
			Box Culvert 136+985
			MNB 137+175
			LVUP 137+520
			VUP 138+360
			HPC 139+135
			HPC 139+240
			VUP 139+930
			Box Culvert 139+935
			Box Culvert 140+215
			VUP 140+275
			HPC 140+380
			Box Culvert 140+655
			HPC 141+240
			HPC 141+480
			HPC 141+780
			HPC 141+930
			HPC 142+220
			HPC 142+300
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 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.

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 INFRA TECH PRIVATE LIMITED

MONTHLY PROGRESS REPORT FOR THE MONTH OF JULY 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	484	6	6		490	6	
		Proctor	2 Tests/ 3000 m ³	484	6	6		490	6	
		Atterberg Limits	2 Tests/ 3000 m ³	484	6	6		490	6	
		Free Swell Index	2 Tests/ 3000 m ³	484	6	6		490	6	
		CBR	1 Test/3000 m ³	240	3	3		243	3	
3	FIELD DRY DENSITY (FDD) TEST	Embankment Layer	10 Density measurement/ 3000 m ²	9230	144	137	7	9374	7	
		Subgrade layer	10 Density measurement/ 2000 m ²	2579	32	32		2611		
		Shoulder	10 Density measurement/ 2000 m ²							
4	GRANULAR SUBBASE [G.S.B]	Gradation	1 Test/ 400 m ³	69	9	9		78	1	
		Atterberg's Limits	1 Test/ 400 m ³	58	9	9		67	1	
		Proctor	As required	2				2		
		CBR	As required	2				2		
		AIV	As required	23	3	3		26	1	
		Field Density	1 Test/ 1000 m ²	414	72	72		486		
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	2 Samples / lot							
		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							

MONTHLY PROGRESS REPORT FOR THE MONTH OF JULY 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			
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							
		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							
9	BITUMINOUS CONCRETE [B.C]	Agg. Impact Value	1 Test/ 350 m ³							
		Fl& El Indices	1 Test/ 350 m ³							
		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 -									
	M -10 GRADE PCC									
	07 Days	As per MoRT&H		60	8	8		68	1	
	28 Days			87	35	35		122	1	
	M -15 GRADE PCC									
	07 Days	As per MoRT&H		131	13	13		144	1	
	28 Days			136	85	85		221	1	
	M -20 GRADE RCC									
	07 Days	As per MoRT&H		16				16		
	28 days			44	8	8		52	4	
	M -20 GRADE (KERB)									
	07 Days	As per MoRT&H								
	28 Days									
	M -25 GRADE RCC									
	07 Days	As per MoRT&H		86	34	34		120	5	
	28 Days			47	166	166		213	34	
M -30 GRADE RCC & Precast										
07 Days	As per MoRT&H		81	14	14		95	2		
28 Days			163	80	80		243	10		

MONTHLY PROGRESS REPORT FOR THE MONTH OF JULY 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				
	CONCRETE	M -35 GRADE RCC & Precast									
		07 Days	As per MoRT&H	257	69	69		326	7		
		28 Days		815	296	296		1111	31		
		M -40 GRADE RCC									
		07 Days	As per MoRT&H	45	45	45		90	5		
		28 Days		15	96	96		111	11		
		M -45 GRADE RCC									
		07 Days	As per MoRT&H								
		28 Days									
		M -50 GRADE RCC									
07 Days	As per MoRT&H	2	1	1		3	1				
28 Days		4	1	1		5	1				
11	DLC	07 Days	One set / 1000 Sqm								
		Field Density	3 Density Holes/2000 Sqm								
12	PQC	M -40 GRADE									
		Cubes	07 Days	As per MoRT&H							
			28 Days								
		Beams	07 Days								
	28 Days										
13	CEMENT	Consistency	1 Test / week/Source	14	4	4		18	1		
		Initial and Final Setting Time	1 Test / week/Source	14	4	4		18	1		
		Specific Gravity	As & when Required								
		Soundness	1 Test / week/Source	14	4	4		18	1		
		Finness	1 Test / week/Source	14	4	4		18	1		
		Compressive Strength	1 Test / week/Source	37	11	11		48	3		
14	CEMENT GROUT	Compressive Strength	1 Set / Day/Girder								
15	CEMENT MORTAR	Compressive Strength	1 Set / Day								
16	WATER	Water Tests	Every 3 month	2	1	1		3			
17	STEEL	32mm dia.	Min 2 Samples / 100 MT	2				2			
		25 mm dia.	Min 2 Samples / 100 MT	3				3			
		20 mm dia.	Min 2 Samples / 100 MT	5				5			
		16 mm dia.	Min 2 Samples / 100 MT	5				5			
		12 mm dia.	Min 2 Samples / 100 MT	4				4			
		10 mm dia	Min 2 Samples / 100 MT	3				3			
		8 mm dia	Min 2 Samples / 100 MT	3				3			
		Structural Steel	Each and every Lot								
		HT Strands	1 Test /Each Coil/Lot								

MONTHLY PROGRESS REPORT FOR THE MONTH OF JULY 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			
18	FINE AGGREGATE	Sieve Analysis	1 Test/day/plant/Source	121	31	31		152		
		Sp.Gravity & W.Absorption	As & when Required	4	1	1		5	1	
		Organic Impurities	As & when Required							
19	COARSE AGGREGATES	Sieve Analysis	1 Test/day/plant/Source	266	93	93		359	24	
		Sp.Gravity & W.Absorption	As & when Required	4	2	2		6	2	
		A I V Tests	1 Test/week/plant/Source	14	4	4		18	1	
		E.I & F.I Index	1 Test/fort night/plant	13	4	4		17	1	
20	CALIBRATION	Plant	Every 3 month	1	1	1		2	1	
		Lab. Equipments	As per Calibration Plan	64	3	3		67	2	
					1414	1407	7	20584	191	

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 JULY - 2025 Lab @ Ch-107+500 RHS

SR. No	DATE	RAIN FALL IN (MM)	CUMM RAIN FALL IN (MM)	HUMIDITY (%)	TEMPRATURE °C		REMARKS
					8:00 AM		
					MIN	MAX	
1	01-Jul-24	5.0	5.0	99	24.4	32.2	
2	02-Jul-24	22.8	27.8	99	24.4	32.2	
3	03-Jul-24	29.0	56.8	98	24.0	34.3	
4	04-Jul-24	3.4	60.2	99	24.2	34.3	
5	05-Jul-24	7.5	67.7	99	24.0	33.8	
6	06-Jul-24	5.2	72.9	98	24.4	34.3	
7	07-Jul-24	35.6	108.5	99	24.2	34.3	
8	08-Jul-24	22.0	130.5	98	24.1	34.0	
9	09-Jul-24	22.6	153.1	99	23.4	34.3	
10	10-Jul-24	2.0	155.1	95	23.4	34.4	
11	11-Jul-24	2.6	157.7	97	23.3	34.4	
12	12-Jul-24	25.6	183.3	99	23.4	34.4	
13	13-Jul-24	11.4	194.7	98	23.2	34.5	
14	14-Jul-24	0.0	194.7	86	25.0	32.2	
15	15-Jul-24	0.0	194.7	83	25.3	36.4	
16	16-Jul-24	4.2	198.9	99	25.0	36.4	
17	17-Jul-24	0.0	198.9	95	23.4	34.9	
18	18-Jul-24	0.0	198.9	99	25.0	36.4	
19	19-Jul-24	0.0	198.9	94	25.0	37.9	
20	20-Jul-24	0.0	198.9	95	25.6	38.6	
21	21-Jul-24	0.0	198.9	95	25.5	40.8	
22	22-Jul-24	7.2	206.1	99	24.2	36.2	
23	23-Jul-24	124.0	330.1	99	23.2	35.2	
24	24-Jul-24	8.0	338.1	99	24.6	36.8	
25	25-Jul-24	37.4	375.5	99	24.1	36.7	
26	26-Jul-24	6.6	382.1	98	24.9	30.8	
27	27-Jul-24	12.4	394.5	99	24.5	31.6	
28	28-Jul-24	42.4	436.9	99	24.1	31.8	
29	29-Jul-24	65.3	502.2	98	24.3	32.1	
30	30-Jul-24	16.4	518.6	99	24.0	31.7	
31	31-Jul-24	4.2	522.8	96	25.1	32.8	

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	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



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
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	COOLING 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



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	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 AGG	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



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	AIR METER FOR CONCRETE MIX Automatic 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	SHEAR TEST OF MACHINE FOR SOIL		1	
123	Digital Depth Gage	INSIZE	1	
124	BITUMEN EXTRACTION MACHINE		1	
125	MARSHALL STABILITY		1	
126	COMPACTION PEDESTAL		1	
127	VACUUM PUMP		1	
128	RING AND BALL APPARATUS		1	
129	BITUMEN PENETROMETER		1	
130	TAR VISCOMETER		1	
131	VISCOSITY BATH		1	
132	MARSHAL MOULD WITH CALLOR	100 mm Dia	12	
133	RAIN GAUGE		1	
134	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	

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
	5.6mm		2	
	4.75mm		9	
	2.8mm		1	
	2.36mm		5	
	1.4mm		1	
	1.18 mm		2	
	LID & PAN		2	
135	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 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	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	Surcharge 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	

**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

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
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	

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 & 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"> 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	<p>COS-I Submit 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>	Rs. 40.25 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 Safety

Annexure I

SHAHGANJ BADI HIGHWAYS PVT. LTD.

EMB Work in progress at Km. 125+000 to 125+300



EMB Work in progress at Km. 122+900 to 123+150



SHAHGANJ BADI HIGHWAYS PVT. LTD.

Plate Load Test Work in progress at Km. 115+140 to 115+200



NDT Test Work in progress at Km. 113+575 VUP



SHAHGANJ BADI HIGHWAYS PVT. LTD.

Safety Meeting with Safety Consultant (Transrail) at Project Camp 107+500



SHAHGANJ BADI HIGHWAYS PVT. LTD.

Maintenance work in Progress



Maintenance work in Progress



SHAHGANJ BADI HIGHWAYS PVT. LTD.

Maintenance work in Progress



Maintenance work in Progress



SHAHGANJ BADI HIGHWAYS PVT. LTD.

Girder Casting work in progress at Km. 109+500



Girder Casting work in progress at Km. 109+500



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

