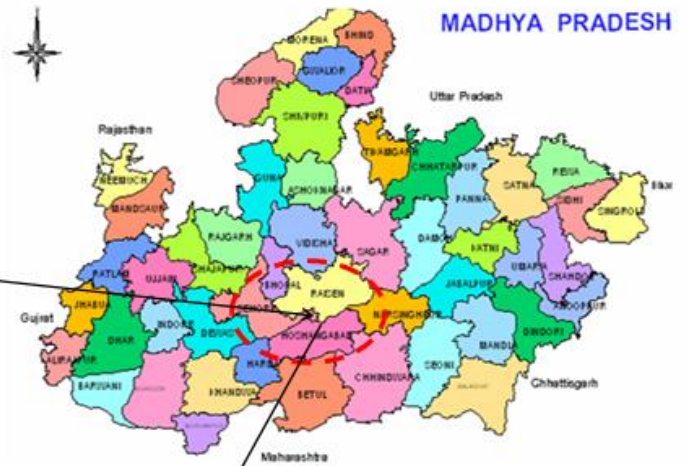


# SHAHGANJ BADI HIGHWAYS PVT. LTD.

## MONTHLY PROGRESS REPORT

April-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 - APRIL - 2025**

**Index**

<b>S.No.</b>	<b>Sections</b>	<b>Page No.</b>
1	Executive Summary	1
2	Action taken on Recommendation by IE	2 to 3
3	Salient Features of Projects	4
4	Project Milestone	5 to 6
5	Location Map	7
6	Key Plan	8
7	Unresolved Issues/Constriants	9 to 10
8	Obligations as per contract	11
9	Strip Plan (Summary)	12
10	Progress Status Structure	13
11	Land Acquisition and clearances	14
12	Status of Utility Shifting	15
13	Mobilization Resources	16 to 17
14	Contract wise Weightages	18 to 19
15	Permissions and Approval	20
16	Drawing Status	21
17	Work Programe on Construction Price	22 to 23
18	S - Curve	24
19	Financial Progress	25
20	Physical Progress	26 to 27
21	Progress Strip Chart	28 to 35
22	Safety and Health	36 to 37
23	Existing Road Mainenance	38
24	Quality	39 to 52
25	LA Detailby CALA	53
26	LA Detailby Village CALA	54
27	Clearance Summary	55
28	Change of Scope	56
29	Escrow Details	57
30	Monitoring of Maintenance Obligations during construction Phase	58
31	Summary of Repair Work	59
32	Status of Damages	60
33	Safety Features	61
34	Accident Report	62
35	Photographs	63 to 70

## 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
<b>A- Physical Progress</b>	
Scheduled Physical Progress (%)	100.00%
Cumulative Physical Progress upto current month (%)	1.50%
Current month Physical Progress (%)	1.50%
Cumulative Expenditure till date (Rs Cr) as per Construction cost @ 435 Cr.	6.525
Tests passed as % of total tests witnessed by IE	0.00%

<b>Project Overview</b> <b>Salient Features of Project</b>	
<b>Project Name</b>	Construction work of 4-laning of Shahganj bypass end to Badi (Package-IV) of NH-146B from design km 102.000 to design km 142.357 (Design Length 40.357 km) under NH(O) in the State of Madhya Pradesh on Hybrid Annuity Mode
<b>NH No. (New/ Old)</b>	146B
<b>Mode of the Execution (BOT Toll/ BOT Annuity/ EPC/ HAM/ Item Rate/ Others)</b>	Hybrid Annuity Mode
<b>No. of Lanes/ Configuration</b>	Four Lane with Paved Shoulder
<b>Length of the Project (in Km)</b>	40.357 Km.
<b>Total Project Cost/ Civil Construction Cost / Contract cost (in Cr)</b>	Rs. 435
<b>Total EPC Cost (in Cr)</b>	Rs. 519
<b>No. of Bypasses (Name of Town, Length)</b>	4.807 Km (Baktra 2.500 Km + Badi 2.307 Km)
<b>No. of Major Bridges (Number and Location)</b>	1 ( Chainage 109+550)
<b>No. of Toll Plazas (Number and Location)</b>	1 (Chainage 114+515)
<b>DPR Consultant Name</b>	M/s Lion Engineering Consultants
<b>Contractor Name (SPV &amp; Parent Company)</b>	M/s MCC Infratech Pvt. Ltd.
<b>Date of Award (LOA Date)</b>	15 Mar. 2024
<b>Appointed Date</b>	25 Mar. 2025
<b>Construction Period (in Days)</b>	(730 Days)
<b>Scheduled Date of Completion</b>	24 Mar. 2027
<b>Independent Engineer</b>	M/s Saptagon Asia Pvt. Ltd.

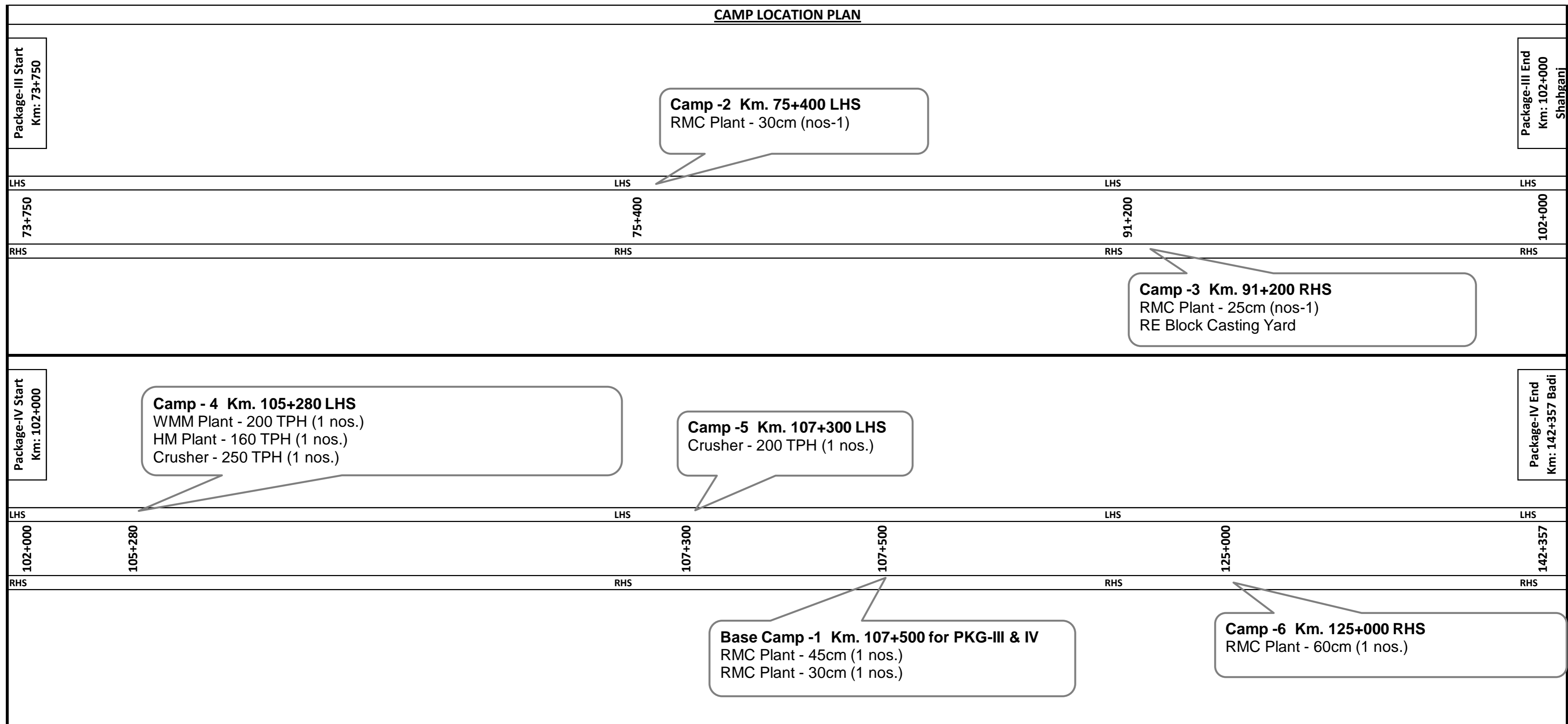
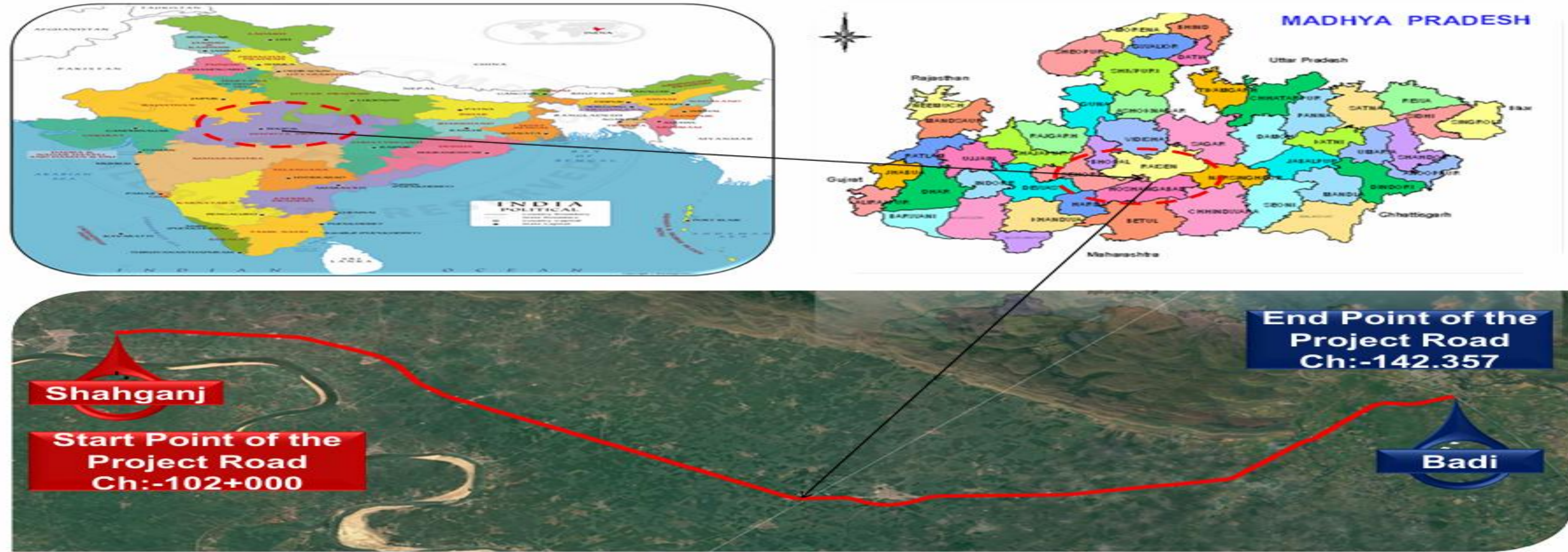
## Project Milestones

Project Milestone	Date	Physical Progress for achievement (%)	Date as per Approved EOT	Status	Remarks
Appointed Date	25-03-2025	Nil			
Milestone I	20-09-2025	20%			1.50%
Milestone II	17-02-2026	35%			
Milestone III	15-09-2026	75%			
Scheduled Completion	24-03-2027	100%			

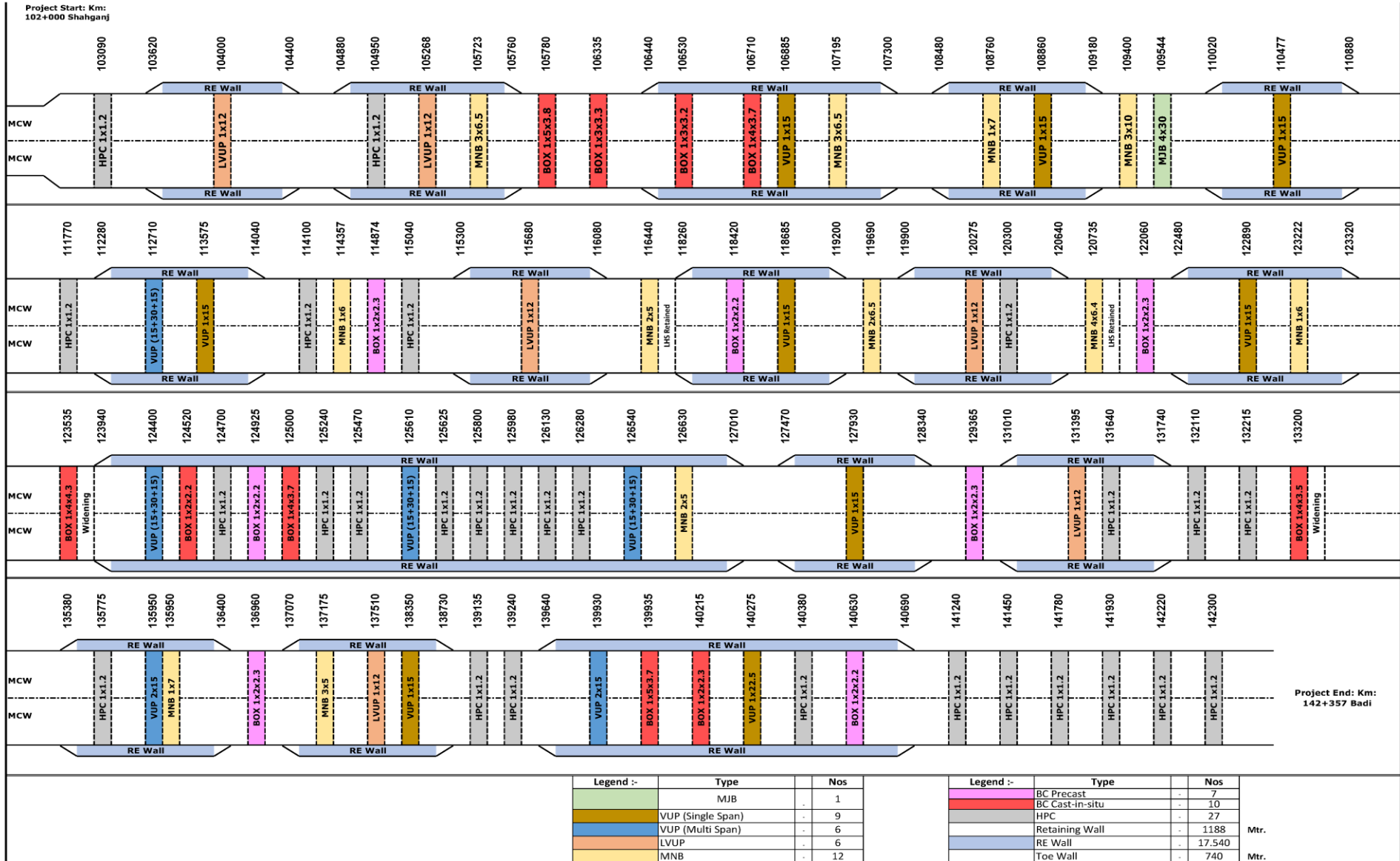
# Payment Milestones

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	<b>Land Acquisition</b>		
	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	<b>Utility Shifting</b>		
	A. Electrical Utility Shifting	Nil	27 nos estimates out of 124 are approved and balance estimates are in preparation. Supervision charges pending for 27nos estimates.
	B. PHED Utility Shifting	Nil	Estimation in progress

**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
<b>Total Length &gt;&gt;&gt;&gt;</b>			<b>7550 Mtr</b>	<b>7550 Mtr</b>		

## Strip Plan (Summary)

1. Land Acquisition Status			2. Length completed by layer (MCW)			3. Length completed by Layer (Service Road+ Slip Road)		
Description	Length / Area	% Total Pending Length/Area	Description	Length in (KM)	% Total Length	Description	Length in (KM) Both Sides	% Total Length
Total Length Km.	40.357		Total Length	39.554		Total Length	35.830	
Total Workfornt Unavailable Km. due to LAQ/Encroachment	7.55	18.7%	Total Length Completed	0.000	0.00%	Total Length Completed	-	0.00%
Pending Land Ha.	17.208		BC	0.000	0.00%	BC	-	0.00%
			DBM	0.000	0.00%	DBM	-	0.00%
Acq. Ha.	74.565	81.2%	WMM	0.000	0.00%	WMM	-	0.00%
			GSB	1.000	2.53%	GSB	-	0.00%
			Sub-Grade	3.000	7.58%	Sub-Grade	1.000	2.79%

## Progress Status of Structure

<b>ENTIRE PROJECT</b>						
<b>DESCRIPTION</b>	<b>SCOPE OF WORK</b>	<b>WORK STATUS</b>				<b>REMARKS</b>
		<b>COMPLETED</b>	<b>IN PROGRESS</b>	<b>TOTAL TAKEN UP</b>	<b>BAL TO TAKEUP</b>	
Major Bridges	1				1	
Minor Bridges	12		4		8	
Light Vehicular Underpass	6		1		5	
Vehicular Underpass	15		1		14	
Box Culverts	17		10		7	
Pipe Culverts	27		11		16	
<b>TOTAL</b>	<b>78</b>		<b>27</b>		<b>51</b>	

**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	Remarks
		(Nos)	(Nos)	(Nos)	
1	33 KVA	26	7	7	7 nos estimates out of 26 are approved and balace estimates are in preparation. Supervision charges pending for 7nos estimates.
2	11 KV	60	20	20	20 nos estimates out of 60 are approved and balace estimates are in preparation. Supervision charges pending for 20nos estimates.
3	LT Line	38	0		
B - WATER SUPPLY/SEWERAGE LINE (PHED)					
1	Water supply pipe line	9	0	0	
C-TREE CUTTING STATUS (REVENUE & FOREST)					
SR. NO.	DESCRIPTION	TOTAL SCOPE	TOTAL CUT	TOTAL BALANCE TO CUT	REMARKS
		(NOS)	(NOS)	(NOS)	
1	Revenue Trees	1299	335	964	Partially permission obtained and tree cutting Completed.
<b>TOTAL</b>		<b>1299</b>	<b>335</b>	<b>964</b>	

# Mobilization of Resources

SL. NO.	Equipment Name	Make	Model	Actual Quantity	Deployment Year	Remarks
1	RMC PLANT	CONMAT	CP-30	1	2025	
2	RMC PLANT	CONMAT	CP-30	1	2025	
3	RMC PLANT	CONMAT	CP-45	1	2025	
4	RMC PLANT	CONMAT	CP-25	1	2025	
5	RMC PLANT	CONMAT	CP-60	1	2025	
6	Hot Mix Plant	APOLLO	APOLLO 200 TPH	1	2025	
7	WMM PLANT	APOLLO	APOLLO 200 TPH	1	2025	
8	CRUSHER PLANT	METSO	METSO 250 TPH	1	2025	
9	CRUSHER PLANT	TEREX	TEREX 200 TPH	1	2025	
10	DG Set 125 KVA	KIRLOSKAR	125 KVA	4	2025	
11	DG Set 200 KVA	CUMMINS	200 KVA	1	2025	
12	DG Set 500 KVA	CAT	500 KVA	2	2025	
13	DG Set 30 KVA	KIRLOSKAR	30 KVA	4	2025	
14	Light Mast	CUMMINS	KG1-5AS3/5KVA	3	2025	
15	Hydraulic Broomer	BROOMER HYDRAULIC	ALLWIN	3	2025	
16	Soil Compactor	HAMM	11 TON	11	2025	
17	Hydra	ESCORT	14 TON	3	2025	
18	Trailer	TATA	LPS4018TC/32	3	2025	
19	Diesel Tanker	TATA	SFC709	2	2025	
20	Electronic Weigh Bridge of 120 MT Capacity		120 MT	4	2025	
21	Motor Grader	CAT	120K2	10	2025	
22	Excavator	KOBELCO /CAT /JCB	SK-210LC8	12	2025	
23	Wheel Loader	JCB	432 ZX	4	2025	
24	Tipper	TATA	LPK 2518 CRE HD	39	2025	
25	Water Tanker	TATA	LPT1613 CR 16	10	2025	
26	Transit Mixer	TATA	LPK 2518 MILLAR	10	2025	
27	Backhoe Loader	JCB	3 DX	4	2025	
28	LMV	Mahindra	Mahindra (Bolero,Camper)	17	2025	

## Mobilization of Resources

SR. NO.	EMPLOYEES NAME	DESIGNATION	DEPARTMENT	REMARKS
<b>A - Management</b>				
1	K P Singh	CPM		Overall
2	Puneet Kumar Dubey	AGM	Legal & Liaison	Overall
<b>B - Highway</b>				
1	Amod Kumar	Project Manager	Highway	Overall
2	Vikrant Tyagi	Project Manager	Highway	
4	Vinay Kumar	Manager	Highway	Overall
<b>C - Structure</b>				
1	Kundan Sharma	Project Manager	Structure	Overall
2	Shubham Saini	DPM STR	Structure	
<b>D - QA/QC</b>				
1	Manoj Kumar Dhakar	Sr. Manager	QA/QC	Overall
2	Munna Kumar Nirala	Asst. Manager	QA/QC	Overall
<b>E - Planning &amp; Billing</b>				
1	Yogesh Sharma	QS Manager	Planning & Billing	Overall
2	Pradeep Singh	QS Manager	Planning & Billing	Overall
3	Lovey Johnson	Sr. Engineer	Planning & Billing	Overall
4	Ramesh Dangi	Engineer QS	Planning & Billing	Overall
5	Nitesh Yadav	Sr. Engineer	Planning & Billing	Overall
<b>F - Survey</b>				
1	Pramod Kumar	Sr. Surveyor	Survey	Overall
<b>G - Material</b>				
1	Abhishek Singh	Manager	Material	Overall
<b>H - Mechanical</b>				
1	Shailendra Kumar Upadhyay	Sr. Engineer	Mechanical	Overall
<b>I - Safety</b>				
1	Akshakumar Mohanty	Sr. Engineer	Safety	Overall

# Permission & Approvals

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

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

## Status of Design & Drawing

A- HIGHWAY							
SR. NO.	DESCRIPTION	TOTAL	SUBMITTED	BALANCE TO SUBMIT	APPROVED	BALANCE TO APPROVED	REMARKS
		(KM.)	(KM.)	(KM.)	(KM.)	(KM.)	
1	Plan & Profile of Main Carriageway (Km. 102.000 to Km. 142.357)	40.357	40.357	0	0	40.357	
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	0	17.915	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	13	4		17	
3	Minor Bridge	12	8	4		12	
4	LVUP	6	6	0		6	
5	VUP	15	11	4		15	
6	Major Bridge	1	1	0		1	
<b>TOTAL</b>		<b>78</b>	<b>66</b>	<b>12</b>	<b>0</b>	<b>78</b>	

## **SAFETY & HEALTH**

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

## **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 Signages" banner at various prominent locations.
- ★ In house training & awareness programme at our camp for all Drivers and Operators.
- ★ Distribution of Book on Road Safety Signage & Signs (Issued by MoRTH),and Manual of Roads Safety Education to District Administrative/Police Officers.
- ➡ Vents of All Existing and Newly Constructed Structures will be opened.

## **QUALITY**

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

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

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

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

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

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



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

**MONTHLY PROGRESS REPORT FOR THE MONTH OF APRIL 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		117		
		Proctor	1 Tests/ 250 Rm		117	117		117		
		Atterberg Limits	1 Tests/ 250 Rm		117	117		117		
		Free Swell Index	1 Tests/ 250 Rm		117	117		117		
		CBR	As required		10	10		10		
		Field Density	10 Density measurement/ 3000 m <sup>2</sup>		637	637		637		
2	BORROW AREA MATERIAL	Gradation	2 Tests/ 3000 m <sup>3</sup>		200	200		200		
		Proctor	2 Tests/ 3000 m <sup>3</sup>		200	200		200		
		Atterberg Limits	2 Tests/ 3000 m <sup>3</sup>		200	200		200		
		Free Swell Index	2 Tests/ 3000 m <sup>3</sup>		200	200		200		
		CBR	1 Test/3000 m <sup>3</sup>		95	95		95		
3	FIELD DRY DENSITY (FDD) TEST	Embankment Layer	10 Density measurement/ 3000 m <sup>2</sup>		2275	2275		2275		
		Subgrade layer	10 Density measurement/ 2000 m <sup>2</sup>		122	122		122		
		Shoulder	10 Density measurement/ 2000 m <sup>2</sup>							
4	GRANULAR SUBBASE [ G.S.B ]	Gradation	1 Test/ 400 m <sup>3</sup>		5	5		5		
		Atterberg's Limits	1 Test/ 400 m <sup>3</sup>		1	1		1		
		Proctor	As required		1	1		1		
		CBR	As required		1	1		1		
		AIV	As required		1	1		1		
		Field Density	1 Test/ 1000 m <sup>2</sup>							
5	WET MIX MACADAM [ W.M.M ]	Gradation of Mix Agg.	1 Test/ 200 m <sup>3</sup>		3	3		3		
		Atterberg's Limits	1 Test/ 200 m <sup>3</sup>		1	1		1		
		Proctor	As required		1	1		1		
		AIV Test	1 Test/ 1000 m <sup>3</sup>		1	1		1		
		Fl& El Test	1 Test/ 500 m <sup>3</sup>		1	1		1		
		Field Density	1 Set of 3 Test/ 1000 m <sup>2</sup>							
6	PRIME /TACK COAT	Quality of binder	2 Samples / lot							
		Binder Temperature	At Regular intervals							
		Rate of Spread of Binder	3 Tests/ Day							

**MONTHLY PROGRESS REPORT FOR THE MONTH OF APRIL 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				
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 <sup>3</sup>								
		Fl& El Indices	1 Test/ 350 m <sup>3</sup>								
		Sp.Gravity & W.Absorption	1 Set of Test								
		Mix Gradation	1 Test/400 Tons								
		Stability of Mix	1 Set/400 Tons								
		Control of binder & Grada.in the mix	1Test/400 Tons								
		Gmm	1Test/day/plant								
		Density of Core	1Test/ 700 m <sup>2</sup>								
9	BITUMINOUS CONCRETE [B.C]	Agg. Impact Value	1 Test/ 350 m <sup>3</sup>								
		Fl& El Indices	1 Test/ 350 m <sup>3</sup>								
		Sp.Gravity & W.Absorption	1 Set of Test								
		Mix Gradation	1 Test/400 Tons								
		Stability of Mix	1 Set/400 Tons								
		Control of binder & Grada.in the mix	1Test/400 Tons								
		Gmm	1Test/day/plant								
		Density of Core	1Test/ 700 m <sup>2</sup>								
10	CONCRETE	<b>COMPRESSIVE STRENGTH -</b>									
		<b>M -10 GRADE PCC</b>									
		07 Days	As per MoRT&H		24	24		24			
		28 Days			4	4		4			
		<b>M -15 GRADE PCC</b>									
		07 Days	As per MoRT&H		29	29		29			
		28 Days			4	4		4			
		<b>M -20 GRADE RCC</b>									
		07 Days	As per MoRT&H		8	8		8			
		28 days			4	4		4			
		<b>M -20 GRADE (KERB)</b>									
		07 Days	As per MoRT&H								
		28 Days									
		<b>M -25 GRADE RCC</b>									
		07 Days	As per MoRT&H		2	2		2			
		28 Days			4	4		4			
<b>M -30 GRADE RCC &amp; Precast</b>											
07 Days	As per MoRT&H		25	25		25					
28 Days			8	8		8					

**MONTHLY PROGRESS REPORT FOR THE MONTH OF APRIL 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				
	<b>CONCRETE</b>	<b>M -35 GRADE RCC &amp; Precast</b>									
		07 Days	As per MoRT&H		51	51		51			
		28 Days			8	8		8			
		<b>M -40 GRADE RCC</b>									
		07 Days	As per MoRT&H								
		28 Days									
		<b>M -45 GRADE RCC</b>									
		07 Days	As per MoRT&H								
28 Days											
11	<b>DLC</b>	07 Days	One set /1000 Sqm								
		Field Density	3 Density Holes/2000 Sqm								
12	<b>PQC</b>	<b>M -40 GRADE</b>									
		Cubes	07 Days	As per MoRT&H							
			28 Days								
		Beams	07 Days								
	28 Days										
13	<b>CEMENT</b>	Consistency	1 Test / week/Source		6	6		6			
		Initial and Final Setting Time	1 Test / week/Source		6	6		6			
		Specific Gravity	As & when Required								
		Soundness	1 Test / week/Source		6	6		6			
		Finness	1 Test / week/Source		6	6		6			
		Compressive Strength	1 Test / week/Source		13	13		13			
14	<b>CEMENT GROUT</b>	Compressive Strength	1 Set / Day/Girder								
15	<b>CEMENT MORTAR</b>	Compressive Strength	1 Set / Day								
16	<b>WATER</b>	Water Tests	Every 3 month		2	2		2			
17	<b>STEEL</b>	32mm dia.	Min 2 Samples / 100 MT		1	1		1			
		25 mm dia.	Min 2 Samples / 100 MT		1	1		1			
		20 mm dia.	Min 2 Samples / 100 MT		3	3		3			
		16 mm dia.	Min 2 Samples / 100 MT		3	3		3			
		12 mm dia.	Min 2 Samples / 100 MT		3	3		3			
		10 mm dia	Min 2 Samples / 100 MT		2	2		2			
		8 mm dia	Min 2 Samples / 100 MT		2	2		2			
		Structural Steel	Each and every Lot								
		HT Strands	1 Test /Each Coil/Lot								

**MONTHLY PROGRESS REPORT FOR THE MONTH OF APRIL 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		29	29		29		
		Sp.Gravity & W.Absorption	As & when Required		2	2		2		
		Organic Impurities	As & when Required							
19	COARSE AGGREGATES	Sieve Analysis	1 Test/day/plant/Source		83	83		83		
		Sp.Gravity & W.Absorption	As & when Required		2	2		2		
		A I V Tests	1 Test/week/plant/Source		6	6		6		
		E.I & F.I Index	1 Test/Fort night/plant		5	5		5		
20	CALIBRATION	Plant	Every 3 month		1	1		1		
		Lab. Equipments	As per Calibration Plan		52	52		52		
					<b>4828</b>	<b>4828</b>		<b>4828</b>		
<b>CONCESSIONAIRE REP.</b>						<b>IE REPRESENTATIVE</b>				

SBHPL/F/QC/800.1/Rev 0

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



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

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

SR. No	DATE	RAIN FALL IN (MM)	CUMM RAIN FALL IN (MM)	HUMIDITY (%)	TEMPERATURE °C		REMARKS
					8:00 AM		
					MIN	MAX	
1	01-Apr-24	0.0	1060.8	67	16.6	40.3	
2	02-Apr-24	0.0	1060.8	67	16.6	40.3	
3	03-Apr-24	0.0	1060.8	67	16.6	40.3	
4	04-Apr-24	0.0	1060.8	67	16.6	40.3	
5	05-Apr-24	0.0	1060.8	67	16.6	40.3	
6	06-Apr-24	0.0	1060.8	67	16.6	41.2	
7	07-Apr-24	0.0	1060.8	67	16.6	43.2	
8	08-Apr-24	0.0	1060.8	67	16.6	43.3	
9	09-Apr-24	0.0	1060.8	66	16.6	43.3	
10	10-Apr-24	0.0	1060.8	67	16.6	41.2	
11	11-Apr-24	0.0	1060.8	67	16.6	43.3	
12	12-Apr-24	0.0	1060.8	69	16.6	43.3	
13	13-Apr-24	0.0	1060.8	67	16.6	43.3	
14	14-Apr-24	0.0	1060.8	66	16.6	42.4	
15	15-Apr-24	0.0	1060.8	67	16.6	43.3	
16	16-Apr-24	0.0	1060.8	67	16.6	43.3	
17	17-Apr-24	0.0	1060.8	68	16.6	43.3	
18	18-Apr-24	0.0	1060.8	69	16.6	43.3	
19	19-Apr-24	0.0	1060.8	68	16.6	43.3	
20	20-Apr-24	0.0	1060.8	67	16.6	42.2	
21	21-Apr-24	0.0	1060.8	68	16.6	43.3	
22	22-Apr-24	0.0	1060.8	69	16.6	43.3	
23	23-Apr-24	0.0	1060.8	68	16.6	43.3	
24	24-Apr-24	0.0	1060.8	68	16.6	42.4	
25	25-Apr-24	0.0	1060.8	69	16.6	43.3	
26	26-Apr-24	0.0	1060.8	68	16.5	43.3	
27	27-Apr-24	0.0	1060.8	69	16.6	42.5	
28	28-Apr-24	0.0	1060.8	68	16.5	43.3	
29	29-Apr-24	0.0	1060.8	69	16.6	43.3	
30	30-Apr-24	0.0	1060.8	69	16.6	43.5	

**EPC CONTRACTOR REP.**

**CONCESSIONAIRE REP.**

**IE REPRESENTATIVE**

**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**



<b>CLIENT</b>	: NATIONAL HIGHWAYS AUTHORITY OF INDIA
<b>CONCESSIONAIRE</b>	: SHAHGANJ BADI HIGHWAY PRIVATE LIMITED
<b>INDEPENDENT ENGINEER</b>	: SAPTAGON ASIA PVT. LTD.
<b>EPC CONTRACTOR</b>	: 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	3	
2	PROCTOR MOULD	1000 cc	2	
3	PROCTOR RAMMER	4.89 Kg.	2	
4	PROCTOR RAMMER	2.6 Kg.	3	
5	CUTTER SCALE FOR PROCTOR		5	
6	HEMMAR (Rubber)		2	
7	HEMMAR (Iron)		3	
8	GLOVES RUBBER		1	
9	GLOVES COTTON		6	
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	2	
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 Balance)	200 Kg.	1	
29	ELECTRONIC BALANCE	50 Kg.	1	
30	ELECTRONIC BALANCE	30 Kg.	2	
31	ELECTRONIC BALANCE	20 Kg.	1	
32	ELECTRONIC BALANCE	10 Kg.	2	
33	ELECTRONIC BALANCE	5 Kg	1	
34	ELECTRONIC BALANCE	600 gm	2	
35	POURING CYLINDER (SMALL) FDD SET	100 MM	2	
36	POURING CYLINDER (MEDIUM) FDD SET	150 MM	2	
37	POURING CYLINDER (BIG) FDD SET	200 mm	2	
38	POURING CYLINDER TRAY (SMALL) FDD	100 MM	2	
39	POURING CYLINDER TRAY(MEDIUM) FDD	150 MM	2	
40	POURING CYLINDER TRAY(BIG) FDD	200 mm	2	
41	RMM	Capacity 25%	2	
42	CALCIUM CARBIDE FOR RMM	PACKETS	10	
43	MEASURING CYLINDER (GLASS)	100 ml.	20	
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.	5	
49	BEAKER (GLASS)	1000 ml.	1	
50	BOROSIL FLASK	100 ml.	1	
51	PYCNOMETER BOTTEL FOR SPG		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**



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<b>CONCESSIONAIRE</b>	: SHAHGANJ BADI HIGHWAY PRIVATE LIMITED
<b>INDEPENDENT ENGINEER</b>	: SAPTAGON ASIA PVT. LTD.
<b>EPC CONTRACTOR</b>	: MCC INFRATECH PRIVATE LIMITED

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

Sr. NO.	ITEM NAME	CAPACITY	Total Available Qty	REMARK
52	DEPTH MEASURING SCALE	300 mm	3	
53	GLASS PLATE	100X80 mm	2	
54	GLASS PLATE	200X200 mm	2	
55	GLASS PLATE	600X600 mm	1	
56	DIGITAL THERMOMETER	0°C TO 300°C	3	
57	GLASS THERMOMETER	0°C TO 250°C	8	
58	VERNIER CALIPER DIGITAL	300 mm	1	
59	HYDROMETER	0.80 to 0.90 & 1.0 to 1.5	1 Each	
60	STOP WATCH		2	
61	HYGROMETER	MIN. & MAX. TEMP.	1	
62	GI TRAY (BIG SIZE)	1200X1000 MM	3	
63	GI TRAY (BIG SIZE)	1000X1000 MM	1	
64	GI TRAY (BIG SIZE)	1000X500 MM	2	
65	ENAMEL TRAY	600X450 MM	6	
66	GI TRAY	600X450 MM	4	
67	GI TRAY (MEDIUM SIZE)	600X400 MM	1	
68	GI (SMALL SIZE)	400X350MM	1	
69	ENAMEL TRAY (SMALL SIZE)	450X300 MM	3	
70	COOLING BATH DIGITAL		1	
71	WATER BATH DIGITAL 60°C WITH THERMOSTATICALLY CONTROL	30 Liter capecity	2	
72	OVEN (BIG)	1250X750 MM	1	(Sr No.160212)
73	OVEN (MEDIUM)	900X600 MM	1	(Sr No.081141)
74	OVEN (SMALL)	600X600 MM	1	
75	DRYING OVEN	225 Liter	2	
76	HOT PLATE	200 mm	1	
77	FI GUAGE		2	
78	ELONGATION GUAGE		2	
79	SIEVE SHAKER	200mm	1	
80	CYLINDER FOR BULK DENSITY OF AGGREGATE	3Ltr,10 Ltr. & 30 Ltr.	1 Set	
81	BEAM MOULD	15X15X70CM	3	
82	CONCRETE CUBE MOULD (GI & PU)	15X15X15CM	100	
83	GROUTING CUBE MOULD	10X10X10CM	10	
84	CEMENT CUBE MOULDS	7.06X7.06X7.06	34	
85	MORTAR CUBE MOULD	5X5X5	6	
86	SLUMP CONE WITH TEMPING RODS		9	
87	AIV APPRATUS WITH ALL ASSESORIES		1	
88	COMPRESSIVE STRENGTH TEST(CTM) DIGITAL	2000 KN	1	
89	FLEXTURAL TESTING MACHINE	100 KN	1	
90	CONCRETE MIXER MACHINE WITH CAP	150 Liter Capacity	1	Electrically operated
91	VIBRATING TABLE	1MX1M	1	
92	CEMENT CUBE VIBRETING MACHINE		1	
93	VICAT.APP.WITH ASS.		1	
94	VICAT.APP NEEDLE FOR INITIAL SETTING TIME		1	
95	VICAT.APP NEEDLE FOR FINAL SETTING TIME		1	
96	VICAT.APP PLUNGER FOR CONSISTENCY		1	
97	SOUNDNESS TEST APPARATUS (CEMENT)	PACKETS	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**



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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
98	LE-CHATLEIR FLASK		1	
99	STANDERD SAND ZONE-I,II,III		1 Each	
100	WIRE BASKET FOR DENSITY		2	
101	RIFFLE BOX (SAMPLE DIVIDER)	75 mm	1	
102	RIFFLE BOX (SAMPLE DIVIDER)	53 mm	1	
103	RIFFLE BOX (SAMPLE DIVIDER)	25 mm	1	
104	SAND SCOOP (Small)		3	
105	CORE CUTTER MACHINE - HILTI DD-160	150 mm Dia	1	
106	CORE BIT (DIAMOND CUTTING EDGE)	100 mm Dia	2	
107	CORE BIT (DIAMOND CUTTING EDGE)	150 mm Dia	2	
108	FLOW CUP		1	
109	DLC COMPECTOR (HILTI TE-1000 AIR)		1	
110	AIR METER FOR CONCRETE MIX Autometric type As per ASTM C231		1	
111	COMPACTION FACTOR EQUIPMENT CONCRETE As per IS:5515-1983		1	
112	WASH BOTTLE PLASTIC	1 LTR	1	
113	3 METER STRAIGHT EDGE AND MEASURING WEDGE		1 Set	
114	SHEAR TEST OF MACHINE FOR SOIL		1	
115	Digital Depth Gage	INSIZE	1	
116	BITUMEN EXTRACTION MACHINE		1	
117	MARSHALL STABILITY		1	
118	COMPACTION PEDESTAL		1	
119	VACUUM PUMP		1	
120	RING AND BALL APPARATUS		1	
121	BITUMEN PENETROMETER		1	
122	TAR VISCOMETER		1	
123	VISCOSITY BATH		1	
124	MARSHAL MOULD WITH CALLOR	100 mm Dia	12	
125	RAIN GAUGE		1	
126	<b>SIEVE SIZE 450 mm dia</b>			
	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	

**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
	9.5mm		5	
	8mm		1	
	6.7mm		1	
	6.3mm		4	
	5.8mm		1	
	5.6mm		2	
	4.75mm		9	
	2.8mm		1	
	2.36mm		5	
	1.4mm		1	
	1.18 mm		2	
	LID & PAN		2	
127	<b>SIEVE SIZE 200 mm dia Brass</b>			
	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	

## 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.)	Expected/ Actual Date of Approval

# 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**

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# **Annexure I**

**SHAHGANJ BADI HIGHWAYS PVT. LTD.**

**C & G Work in progress at Km. 125+150**



**EMB Work in progress at Km. 120+900**



**SHAHGANJ BADI HIGHWAYS PVT. LTD.**

**EMB Work in progress at Km. 140+320**



**EMB Work in progress at Km. 122+140**



**SHAHGANJ BADI HIGHWAYS PVT. LTD.**

**EMB Work in progress at Km. 140+320**



**EMB Work in progress at Km. 122+140**



**SHAHGANJ BADI HIGHWAYS PVT. LTD.**

**LVUP work in Progress at Km 105+280**



**MNB work in progress at Km 123+222**



**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**

