



Monthly Progress Report –September 2023



NATIONAL HIGHWAYS AUTHORITY OF INDIA

Name of the Project:-

“Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-752D in the state of MP on HAM Mode (Package-III)”

Independent Engineer:

**M/S L.N.MALVIYA INFRA PROJECT PVT.LTD
IN ASSOCIATION WITH M/S INFRATECH CIVIL SOLUTIONS CONSULTANT.**



Concessionaire:-



M/S MKC Ujjain-Garoth Mahakaleshwar Highway Pvt. Ltd

MONTHLY PROGRESS REPORT

SEPTEMBER-2023

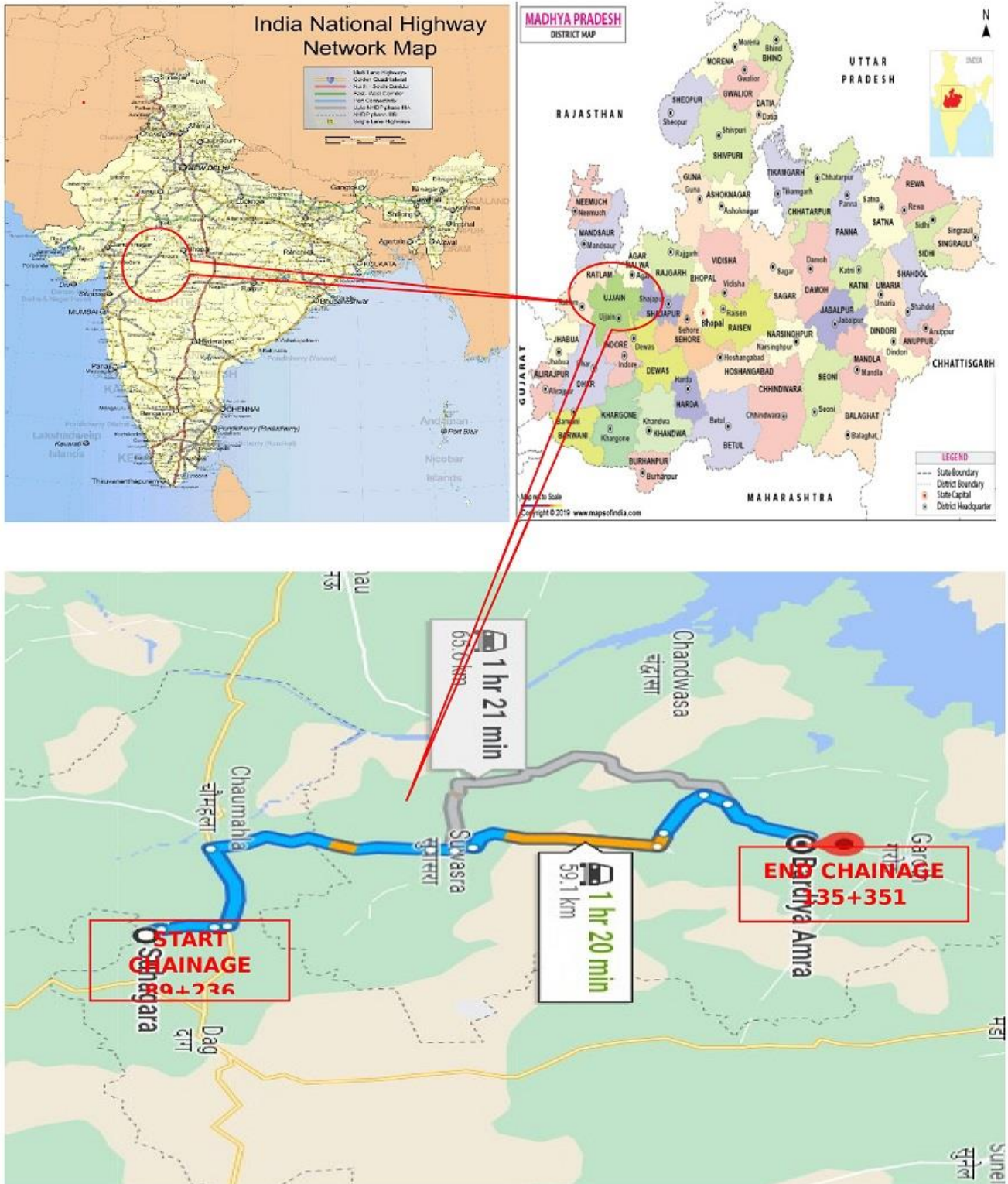
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1. SALIENT FEATURES OF THE PROJECT

SR NO	NAME	DESCRIPTION
1	Project Name	“Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135.351 section of NH-752D in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode under Bharatmala Pariyojna in the state of Madhyapradesh. Package-III”
2	Length of the Project	46.115 Km
3	Bid Project Cost	598.00 Cr
4	Authority	NATIONAL HIGHWAY AUTHORITY OF INDIA
5	Independent Engineer	M/s L.N. Malviya Infra Projects Pvt. Ltd.
6	Concessionaire	M/S MKC Ujjain-Garoth Mahakaleshwar Highway Pvt. Ltd.
7	EPC	M/s. MKC Infrastructure Limited
8	Safety Consultant	
9	Appointed Date	17-10-2022
10	Construction Period	610 Days from Appointed Date.
11	Schedule Completion Date	18-06-2024
12	Maintenance Period	15 Years commencing from COD
13	IE Appointed Date	28.09.2022

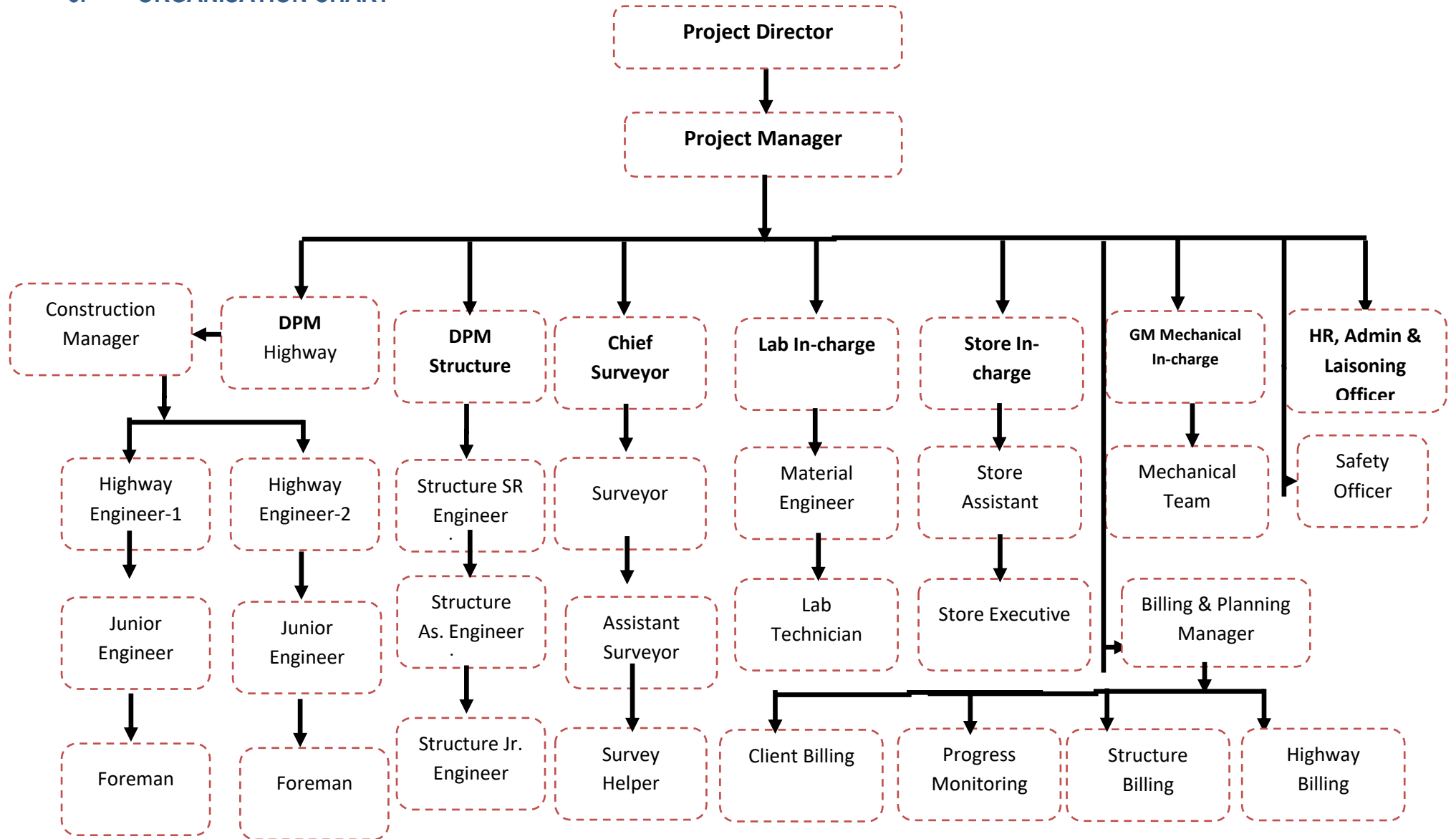
2. LOCATION PLAN



Location Map of the Project (Package- III)



3. ORGANISATION CHART



4. CRITICAL ISSUES AND ACTION LOG

Pending Issues and action log								
Sl. No	Issue Description	Ongoing/ New Issue/ Resolved	Concerned Independent	Length affected (km)	Action(s) taken till now	Action(s) suggested by the IE	Expected date	Remarks (Letter and clause ref, if any)
1	Asset's payments		NHAI					Under Process
2	Balance Land Acquisition		NHAI	1.620 BHS				Under Process
3	EHT Line Shifting		NHAI					Under Process
4	Approval for Design and Drawings		NHAI					Under Process

Obligations of Independent Engineer				
Sl. No.	Clause no.	Obligation	Status	Remarks/Letter references
1	Article 4.1	Status of Condition Precedent		
2	Article 11	Shifting of Electrical Utilities	In Progress	
3	Article 21	Appointment of Independent's Engineer	Appointed	

Obligations of Concessionaire				
Sl. No.	Clause no.	Obligation	Status	Remarks/Letter references
1	Article 9	Performance Bank Guarantee	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/01 Dated-19-05-2022
2	Article 11	Shifting/Relocation of Electrical Utilities		
3	Article 26	Proposed Insurance Policies As per Article 20	Obtained	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/67 Dated-7-12-2022
4	Article 18.1.2	Appointment of Safety Consultant	Done	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/37 Dated-2-11-2022
5		Appointment of Design Director	Done	
6	Article 10	Applicable Permit	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
a)		Permission of state government for extraction of boulder from quarry	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
b)		Permission of village panchayats and pollution control board for installation of crushers	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
c)		License of use of explosives	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
d)		Permission of state government of drawing of water from river/reservoir	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
e)		License from inspector of factories or other competent Independent for setting up batching plant	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
f)		Clearance of pollution control board for setting up batching plant	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
g)		Permission of village panchayats and pollution control board for setting up asphalt plant	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
h)		Permission of village panchayats and state government for borrow earth.	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022



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i)		Labour License	Obtained	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
7		Handover Memorandum	Obtained	
8		Pavement Design Report	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/34 Dated-2-11-2022
9		Plan and Profile & Typical Cross Section	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/129 Dated-21-01-2023
10		Quality Assurance Plan & Manual	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/35 Dated-2-11-2022
11		Construction Methodology	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/41 Dated-4-11-2022

5. PROJECT COMPLETION SCHEDULE

SI No	Milestone	Days From Appointed Date (04-03-2022)	% Completion	Scheduled Date	Remarks
1	Milestone-I	133 rd Days	20%	27-02-2023	Achieved as per Milestone C.A .Dated 31-03-2023
2	Milestone-II	300 th Days	35%	13-08-2023	Achieved as per Milestone C.A .Dated 16-08-2023
3	Milestone-III	404 th Days	75%	25-11-2023	In Progress
4	Schedule Completion	610 th Days	100%	18-06-2024	

6. PAYMENT DURING CONSTRUCTION

SI No	Payment milestone	On Achieved of Physical Progress	Remarks
1	I (First)	5 % of Physical Progress	Achieved on 31-01-2023
2	II (Second)	10 % of Physical Progress	Achieved on 31-01-2023
3	III (Third)	20 % of Physical Progress	Achieved on 21-04-2023
4	IV (Fourth)	30 % of Physical Progress	Achieved on 28-06-2023
5	V (Fifth)	40 % of Physical Progress	Achieved on 28-08-2023
6	VI (Sixth)	50% of Physical Progress	In Progress
7	VII (Seventh)	60 % of Physical Progress	
8	VIII (Eighth)	70 % of Physical Progress	
9	IX (Ninth)	80 % of Physical Progress	
10	X (Tenth)	90 % of Physical Progress	

7. MOBILISATION OF PLANT & MACHINERY

Plant & Machinery available at site As on 30-09-2023				
S.No.	Item Description	Unit	Quantity	Remarks
1	Excavator (20 Ton)	Nos.	25	
2	Tipper	Nos.	80	
3.	Wheel Loader	Nos.	04	
4.	Motor Grader	Nos.	17	
5	Crane /Hydra	Nos.	07	
6	Soil Compactor	Nos.	20	
7	Backhoe Loader	Nos.	05	
8	Mobile Crane	Nos.	01	
9	Transit Mixers	Nos.	18	
10	Water Tanker	Nos.	19	
11	Trailer	Nos.	02	
12	Weigh Bridge	Nos.	02	
13	Utility Vehicles	Nos.	05	
14	Crusher Plant	Nos.	06	
15	WMM Plant	Nos.	01	
16	Concrete Batching Plant (CP 30)	Nos.	02	
17	Broomer	Nos.	03	
18	Browser	Nos.	04	
19	Hot Mix Plant (In Pipeline)	Nos.	01	
20	DG Sets	Nos.	08	
21	Diesel Tanker	Nos.	02	
22	Bike	Nos.	23	
23	LMV	Nos.	12	
24	Compressor	Nos.	05	
25	Cement Silo 120 MT	Nos.	2	
26	Tractor Trolley	Nos.	7	
27	JCB	Nos.	05	
28	Dozer	Nos.	04	
Total			312	

8. MOBILISATION OF MANPOWER

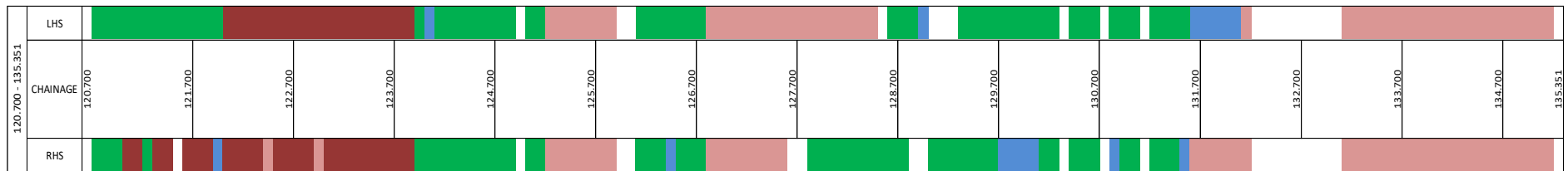
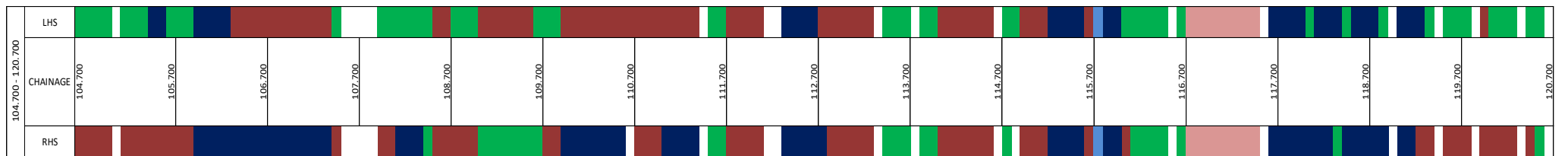
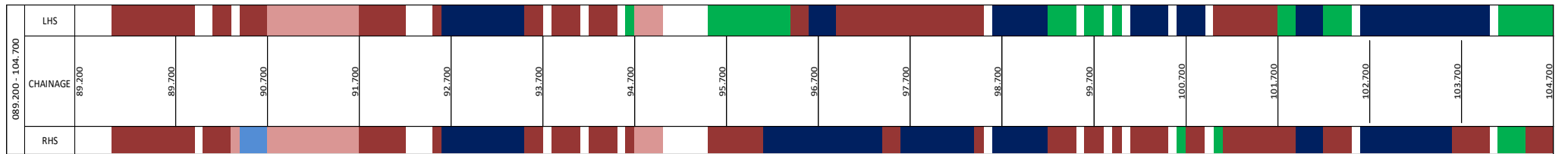
Sr. No.	Designation	Available at Site	Remarks
Overall Responsibility of Projects			
1	Mr. Hardik Sukhadia (Project Manager)	1	
2	Mr. Vaibhav Kumar Chouksey	1	
3	Mr. Manmohan Singh Yadav (Project Coordinator)	1	
Highways			
3	Mr. Virendra Yadav (Deputy Project Manager)	1	
4	Senior Engineer	4	
5	Engineer	8	
Structure			
6	Mr. Santanu Batyabal (Deputy Project Manager)	1	
7	Mr. Parmeshwar Singh (Manager)	1	
8	Senior Engineer	2	
9	Engineer	2	
10	Junior Engineer/GET/DET	0	
11	Supervisor	10	
Planning & Billing			
12	Miss Nidhi Verma (Sr. Engineer)	1	
13	Mr. Yogendra Singh (Sr. Engineer)	1	
14	Engineer	3	
15	GET/Assistant	3	
Quality Control			
15	Mr. Anjani Kumar Tiwari (Manager)	1	
16	Engineer	2	
17	Jr. Engineer /Technician/ Lab. Technician	13	
Survey			
18	Mr. Deepak Dixit (Manager)	1	
19	Asst. Surveyor/Surveyor	8	
IT			
20	IT Officer	2	
Safety			
21	Engineer	1	
22	Supervisor	0	
Finance & Accounts			
23	Mr. Naresh (Deputy Manager)	1	
24	Mr. Vikash Pandey (Sr. Executives)	0	
HR & Admin			
25	Mr Dharmendar (Manager Liasioning)	1	
26	Mr. Chetan Joshi (Liasioning)	1	
27	Officer	1	



28	Supervisor	1	
Store & Inventory			
29	Mr. Lal Babu Giri (Manager)	1	
30	Executives/Jr. Executives	13	
Plant & Equipment			
31	Mr. Krutibasa Sahoo (Manager)	1	
32	Senior Engineer	1	
33	Engineer	1	
34	Supervisor	3	
35	Foreman/Mechanic/Electrician/GET	10	
Total		99	

9. HIGHWAY STRIP CHART

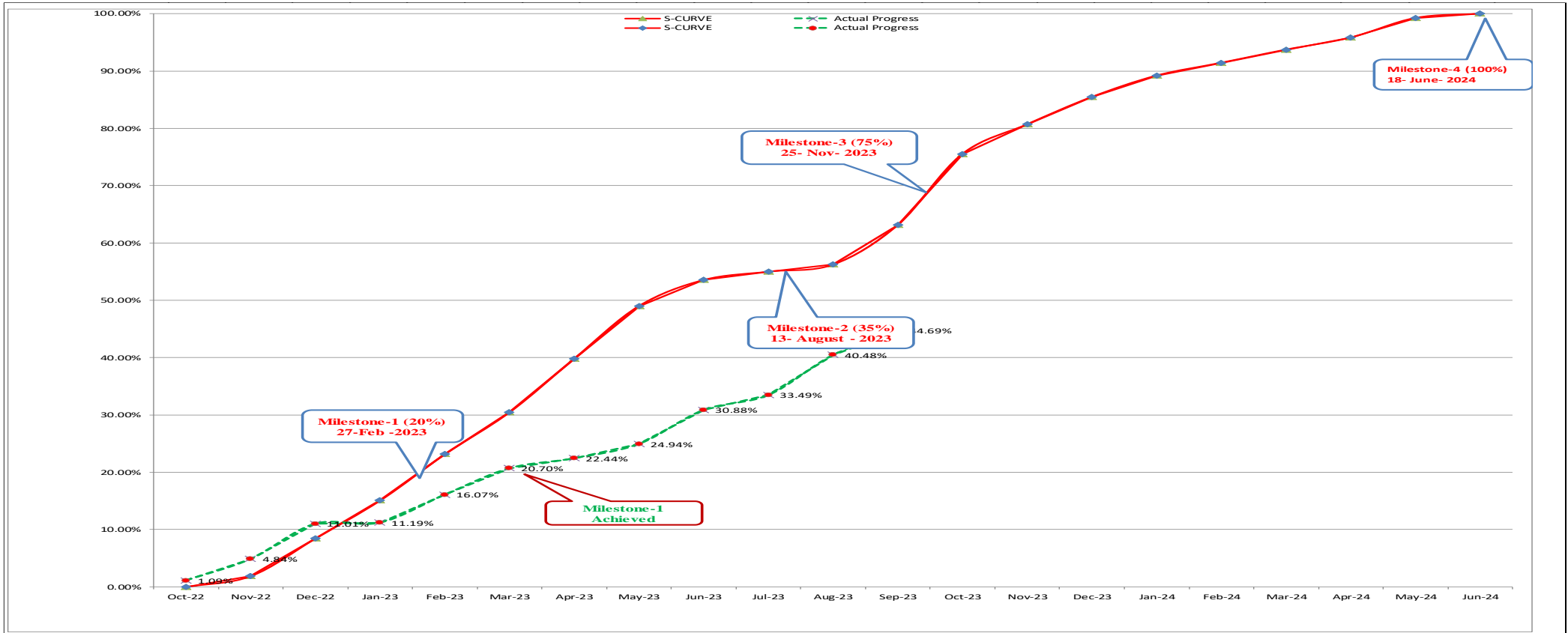
MKC UJJAIN GAROTH MAHAKALESHWAR
 SUHAGADA TO BARDIYA AMRA SECTION OF NH-752-D
 PACKAGE- III (KM 89.200 - 135.351)



C & G SUB-GRADE GSB WMM DBM BC



10. S-Curve:-



Months	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24
Target For the Month	0.00%	1.89%	6.57%	6.63%	8.06%	7.33%	9.34%	9.17%	4.56%	1.45%	1.23%	6.92%	12.37%	5.18%	4.77%	3.73%	2.24%	2.29%	2.09%	3.43%	0.75%
Cumulative Target	0.00%	1.89%	8.46%	15.09%	23.15%	30.48%	39.82%	48.99%	53.55%	55.00%	56.23%	63.15%	75.52%	80.70%	85.47%	89.20%	91.44%	93.73%	95.82%	99.25%	100.00%
Porgress For the Mont	1.09%	3.75%	6.17%	0.18%	4.88%	4.63%	1.74%	2.50%	5.94%	2.61%	6.99%	4.21%									
Cumulative Progress	1.09%	4.84%	11.01%	11.19%	16.07%	20.70%	22.44%	24.94%	30.88%	33.49%	40.48%	44.69%									

11. STRUCTURE STRIP CHART

(A) BOX CULVERT																	
SI No	LHS							P&P Chainage	Chainage as per Schedule-B	Type of Structure	RHS						Remarks
	Parapet wall	U wall	Super Str	Sub Str	Foundation	PCC	Excavation				Excavation	PCC	Foundation	Sub Str	Super Str	U wall	
2								089+375	089+374	BC							
								90+710	090+970	BC							
3								091+547	091+554	BC							
4								092+330	092+340	BC							
5								093+081	093+081	BC							
6								093+395	093+395	BC							
7								094+400	094+400	BC							
8								094+930	094+930	BC							
9								095+200	094+008	BC							
10								096+250	096+242	BC							
11								096+626	096+634	BC							
12								097+460	097+400	BC							
13								097+558	097+537	BC							
14								099+900	099+500	BC							
15								100+100	100+158	BC							
16								100+750	100+750	BC							
17								101+750	101+750	BC							
18								101+893	101+890	BC							
19								102+600	102+400	BC							
20								103+274	103+300	BC							
21								103+610	103+610	BC							
22								104+050	104+050	BC							
23								104+414	104+400	BC							
24								105+580	105+580	BC							
25								105+936	105+950	BC							
26								106+350	106+350	BC							
27								106+667	106+661	BC							
28								107+090	107+863	BC							
29								107+161	107+145	BC							
30								108+763	108+747	BC							
31								109+560	109+554	BC							
32								109+725	109+670	BC							

33							110+008	110+010	BC										
34							110+448	110+450	BC										
35							111+098	111+100	BC										
36							111+745	111+635	BC										
37							111+931	111+931	BC										
38							112+000	112+116	BC										
39							112+300	113+050	BC										
40							112+600	112+600	BC										
41							113+360	113+880	BC										
42							113+600	113+582	BC										
43							114+041	114+035	BC										
44							114+480	114+300	BC										
45							115+125	115+125	BC										
46							115+250	115+440	BC										
47							115+800	115+733	BC										
48							116+530	116+400	BC										
49							116+750	116+873	BC										
50							117+240	117+150	BC										
51							117+918	117+910	BC										
52							118+455	118+200	BC										
53							118+490	118+478	BC										
54							118+822	118+800	BC										
55							119+000	119+050	BC										
56							119+506	119+550	BC										
57							120+159	120+159	BC										
58							120+400	120+400	BC										
59							120+560	120+225	BC										
60							121+017	120+995	BC										
61							121+230	121+151	BC										
62							121+311	121+313	BC										
63							122+007	121+975	BC										
64							122+350	122+350	BC										
65							122+500	122+650	BC										
66							123+420	123+426	BC										
67							123+733	123+710	BC										
68							123+950	123+200	BC										
69							124+085	124+300	BC										
70							124+777	124+700	BC										
71							125+550	125+350	BC										
72							125+870	125+120	BC										
73							126+170	126+163	BC										

74								126+388	126+380	BC								
75								126+561	126+550	BC								
76								127+944	127+925	BC								
77								128+257	128+243	BC								
78								128+652	128+640	BC								
79								128+950	128+950	BC								
80								129+712	129+702	BC								
81								130+400	130+400	BC								
82								131+200	131+190	BC								
83								131+343	131+332	BC								
84								131+830	131+813	BC								
85								132+107	132+100	BC								
86								132+410	132+400	BC								
87								132+720	126+817	BC								
88								132+880	132+750	BC								
89								133+125	133+112	BC								
90								133+363	133+360	BC								
91								133+722	133+712	BC								
92								133+902	133+885	BC								
93								134+400	134+400	BC								
94								135+180	89+938	BC								
95								135+280	Not in C.A	BC								

(B) Minor Bridge

SI No	Misc work	Return/Retaining wall	LHS				P&P Chainage	Chainage as per Schedule -B	Span Arrangement	Type of Structure	RHS							
			Super Str	Sub Str	Foundation	PCC					Excavation	Excavation	PCC	Foundation	Sub Str	Super Str	Return/Retaining wall	Misc work
1							93+784	93+784	1x20	MNB								
2							94+250	94+250	2x20	MNB								
3							94+605	94+605	1x30	MNB								
4							98+600	98+600	1x20	MNB								
5							99+345	99+345	1x10	MNB								

6							99+592	99+592	2x20	MNB						
7							100+600	100+600	2x20	MNB						
8							101+000	101+000	2x20	MNB						
9							104+086	104+086	2x20	MNB						
10							104+251	104+251	1x20	MNB						
11							105+097	105+097	1x30	MNB						
12							107+929	107+929	1x10	MNB						
13							108+513	108+513	1x10	MNB						
14							110+659	110+659	1x10	MNB						
15							111+554	111+554	1x30	MNB						
16							113+409	113+409	2x20	MNB						
17							114+730	114+730	1x20	MNB						
18							116+157	116+157	1x20	MNB						
19							116+594	116+594	1x20	MNB						
20							118+073	118+073	1x10	MNB						
21							118+320	118+320	1x10	MNB						
22							119+346	119+346	1x10	MNB						
23							119+734	119+734	1x10	MNB						
24							120+681	120+681	1x25	MNB						
25							121+620	121+620	1x20	MNB						
26							123+020	123+020	1x20	MNB						
27							125+304	125+304	1x10	MNB						
28							125+446	125+446	1x10	MNB						
29							130+147	130+147	1x10	MNB						

30								90+028	90+028	1x30	MNB						
31								131+662	131+662	1x10	MNB						
32								132+284	132+284	1x10	MNB						

(C) LVUP

SI No.	Misc work	Return/Retaining wall	LHS					P&P Chainage	Chainage as per Schedule-B	Type of Structure	RHS					Return/Retaining wall	Misc work
			Super Str	Sub Str	Foundation	PCC	Excavation				Excavation	PCC	Foundation	Sub Str	Super Str		
1							104+853	104+853	LVUP								
2							114+916	114+916	LVUP								
3							127+512	127+512	LVUP								

(D) SVUP

SI No.	Misc work	Return/Retaining wall	LHS					P&P Chainage	Chainage as per Schedule-B	Type of Structure	RHS					Return/Retaining wall	Misc work
			Super Str	Sub Str	Foundation	PCC	Excavation				Excavation	PCC	Foundation	Sub Str	Super Str		
1							110+841	110+841	SVUP								
2							119+903	119+903	SVUP								
3							126+828	126+828	SVUP								

(E) VUP

SI No.	Misc work	Return/Retaining wall	LHS					P&P Chainage	Chainage as per Schedule-B	Type of Structure	RHS					Return/Retaining wall	Misc work
			Super Str	Sub Str	Foundation	PCC	Excavation				Excavation	PCC	Foundation	Sub Str	Super Str		
1							095+062	095+062	VUP								
2							104+645	104+645	VUP								

(F) Major Bridge																
SI No.	Misc work	LHS						P&P Chainage	Chainage as per Schedule-B	Type of Structure	RHS					
		Return/Retaining wall	Super Str	Sub Str	Foundation	PCC	Excavation				Excavation	PCC	Foundation	Sub Str	Super Str	Return/Retaining wall
1							113+818	113+818	MJB							
2							130+798	130+798	MJB							

12. PROGRESS REPORT

• HIGHWAYS:-

SI No	Description	Total (Km)	Completed (Km)	Balance (Km)	% Of Completion
1	Sub-grade	88.902	66.92	21.982	75.27%
2	GSB	88.362	62.35	26.012	70.56%
3	WMM 1st Layer with Geogrid	88.362	56.45	31.912	63.88%
4	AI (WMM)	88.362	46.12	42.242	52.19%
5	DBM	88.362	19.95	68.412	22.58%
6	BC	88.362	0	88.362	0.00%

• STRUCTURE:-

SI No	Description	Total (Nos)	Completed (Nos)	In Progress (Nos)	Balance (Nos)
1	Box Culvert	190	136	6	48
2	MNB	32	23	6	3
3	SVUP	3	2	1	0
4	LVUP	3	2	1	0
5	VUP	2	1	1	0

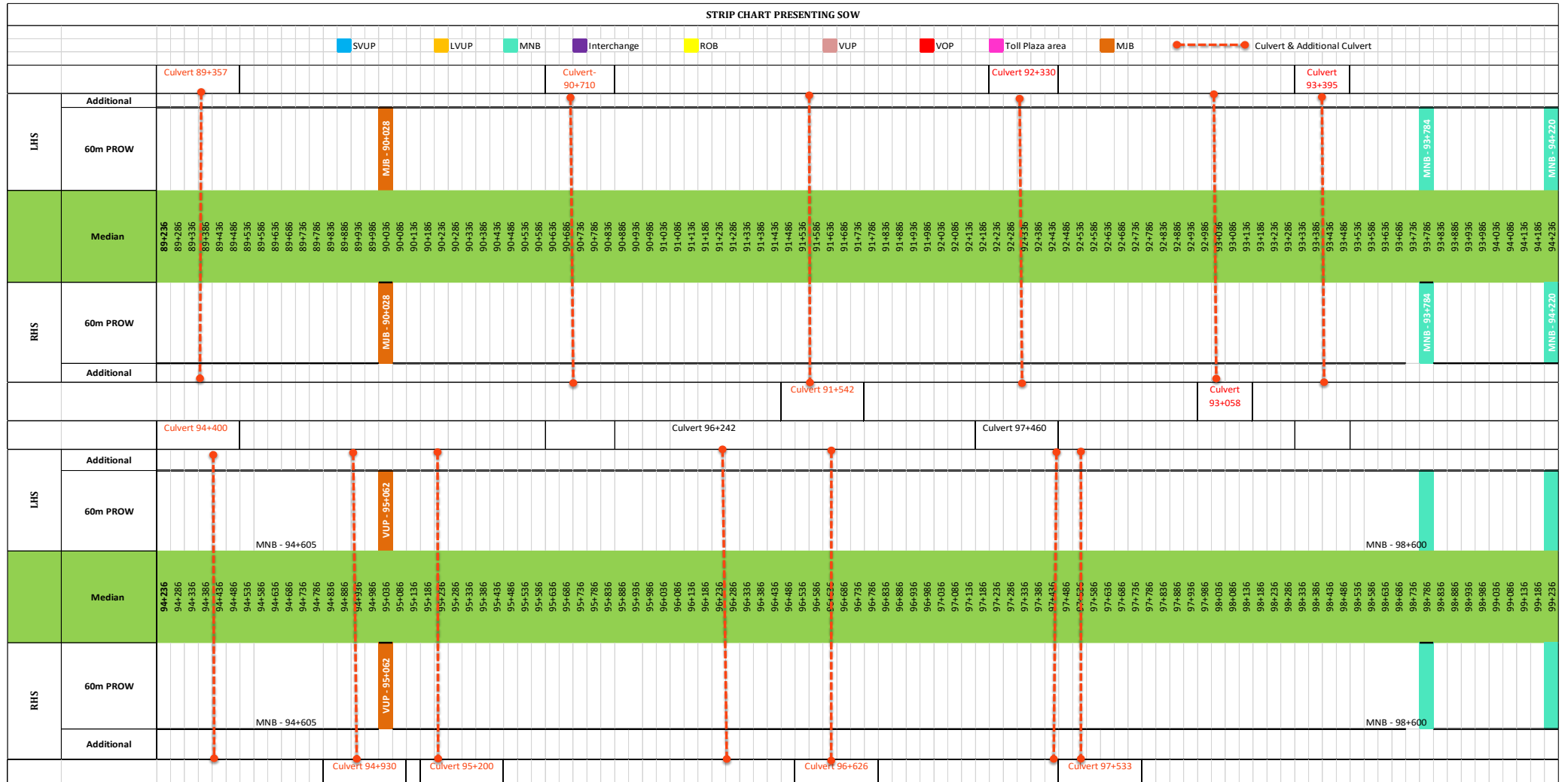
• CONSTRUCTION PROGRESS IN CURRENT MONTH:-

SI No	Description	Up to previous month as per Schedule	Up to previous month Achieved	This month as per Schedule	This month Achieved	Cumulative as per Schedule	Cumulative Achieved
1	Physical Progress	56.23%	40.483%	6.92%	4.21%	63.15%	44.709%
2	Financial Progress (Certified IPC)	56.23%	40.483%	6.92%	4.21%	63.15%	44.709%
3	Expenditure (In Cr)	336.25	242.08	41.36	25.15	377.64	267.35

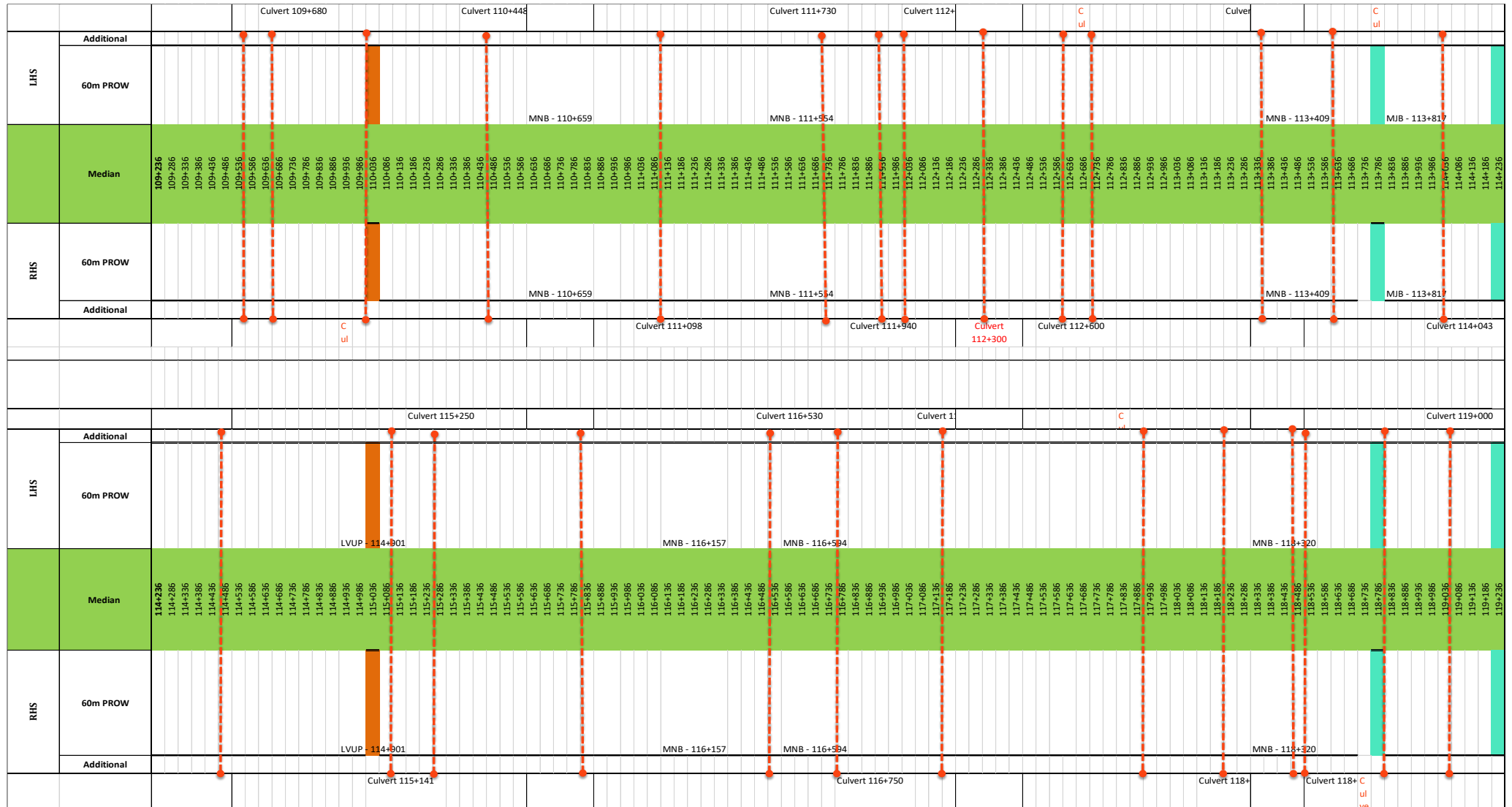
• Current Issues & recommended action by IE:-

• Issues: -

• Detailed Strip Plan:-



LHS	Additional	Culvert 100+754										Culvert 101+890										Culvert 103+610										Culvert 104+050																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Median	MNB - 119+346																				MNB - 11 SVUP - 119+903																				MNB - 120+6																				MNB - 121+620																				MNB - 123+020																																								
RHS	60m PROW																																																																																																																								
	Additional																																																																																																																								
		Culvert 124+085										Culvert 125+304										Culvert 126+170										Culvert 126+561										Culvert 127+207										Culvert 128+950																																																																					
LHS	Additional																																																																																																																								
	60m PROW																																																																																																																								
Median	124+236																				MNB - 125+304																				MNB - 125+446																				SVUP - 12																				ROB - 127+207																				LVI																				
RHS	60m PROW																																																																																																																								
	Additional																																																																																																																								
		Culvert 124+777										Culvert 125+304										Culvert 126+388										Culvert 126+828										Culvert 1										Culvert 128+950																																																																					

		Culvert 129+712										Culvert 131+200										Culvert 131+830										Culvert 133+125										Culvert 133+284									
LHS	Additional																																																		
	60m PROW																																																		
Median	129+236																																																		
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RHS	60m PROW																																																		
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		Culvert 130+400										Culvert 131+343										Culvert 132+										Culvert 133+																			
LHS	Additional																																																		
	60m PROW																																																		
Median	134+236																																																		
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		Culvert 135+180										Culvert 135+280																																							

13. LAND ACQUISITION AND CILEARENCE

Description	Land (Km)	Remark
Total Land Required	46.115	
Available Land Till 30.09.2023 (LHS)	45.495	
Available Land Till 30.09.2023 (RHS)	45.495	
Unavailable Land Till 30.09.2023 (LHS)	0.620	
Unavailable Land Till 30.09.2023 (RHS)	0.620	
Additional Land Required (ROB)	1.000	
Total Land Unavailable	1.620	

Sr.No	From	To	Length	Remarks
1	100+100	100+150	50	Work Stopped
2	104+710	-		Work Stopped
3	107+500	107+600	100	Work Stopped
4	107+700	107+740	40	Work Stopped
5	107+790	107+800	10	Work Stopped
6	107+840	107+860	20	Work Stopped
7	108+100	108+100	0	Well Payment
8	109+200	109+290	90	Work Stopped
9	112+270	112+340	70	Work Stopped
10	116+500	116+540	40	Work Stopped
11	121+300	121+400	100	Work Stopped
12	121+990	122+050	60	Work Stopped
13	122+180	122+190	10	Work Stopped
14	122+200	122+230	30	Work Stopped
15	118+300	118+300	0	Well Payment
Total Length			0.620	Km

14. PHYSICAL PROGRESS

PHYSICAL PROGRESS AS ON 30-09-2023						
Item Description	Unit	Scope of Work		Workdone (Physical Progress)		Remarks
		Quantity	%	Quantity	%	
(1) Earthwork up to top of the sub-grade	L-Km	88.902	15.680%	66.92	11.80%	
(2) Granular work (sub-base, base, shoulders)						
(a) CTSB/GSB	L-Km	88.362	5.700%	62.35	4.02%	
(b-1) WMM 1st Layer with Triaxial Geogrid Reinforced Material	L-Km	88.362	4.000%	56.45	2.56%	
(b-2) WMM Top Layer	L-Km	88.362	2.200%	46.12	1.15%	
(3) Shoulders	L-Km	88.362	0.060%	22.16	0.02%	
(4) Bituminous work						
(a) DBM	L-Km	88.362	6.390%	19.95	1.44%	
(b) BC	L-Km	88.362	4.540%	0	0.00%	
C- New culverts, minor bridges, underpasses, over passes on existing road, realignments, bypasses:						
(1) Culverts	No.	190.00	7.810%	136	5.59%	
(2) Minor bridges						
(a) Foundation	No.	32.00	5.52%	28	4.83%	
(b) Sub-structure	No.	32.00	4.80%	28	4.20%	
(c) Super-structure (including crash barriers etc. complete)	No.	32.00	4.81%	23	3.46%	
(5) Grade separated structures (a) Underpasses						
(i) Foundation	No.	8.00	0.050%	5	0.03%	
(ii) Sub-structure	No.	8.00	1.740%	5	1.09%	
(iii) Super-structure (including crash barriers etc. Complete)	No.	8.00	0.170%	5	0.11%	
C- New Major Bridges						
(1) Foundation	No.	2.00	1.510%	1	0.76%	
(2) Sub-structure	No.	2.00	0.420%	1	0.21%	
(3) Super-structure (including crash barriers etc. complete)						
(i) Super Structure - Box	No.	2.00	0.720%	0.25	0.09%	
(ii) Casting of Girders (40%)	No.	2.00	0.290%			
(iii) Girder Erection & Deck Slab (60%)	No.	2.00	0.430%	0	0.00%	
D - New rail-road bridges (a) ROB				0		
(1) Foundation	No.	1.00	0.570%	0.25	0.14%	
(2) Sub-structure	No.	1.00	0.330%	0.25	0.08%	

(3) Super-structure (including crash barriers etc.complete		1.00		0		
(i) Casting of Pre Cast Girder (40%)	No.	1.00	0.590%	0	0.00%	
(ii) Remaining work of Super Structure including crash barriers etc. (60%)	No.	1.00	0.880%	0	0.00%	
(4) Reinforced Earth Wall (Includes Approaches of ROB, Underpasses, Overpasses, Flyover etc.)						
(i) Casting of RE Wall RCC Blocks (5%)	Sqm.	15,340.00	0.173%	9,382.45	0.08%	
(ii) Completion of RE Wall Erection (including RCC crash barriers with Friction Slab etc.complete	Sqm.	15,340.00	3.290%		0.00%	
Other Works				0		
(i) Service roads/ Slip Roads	km	2,708.00	0.850%	0	0.00%	
(ii) (a) Main Toll Plaza						
a. Completion of PQC (30%)	No.	1.00	0.465%		0.00%	
b. Completion of Building Works (30%)	No.	1.00	0.465%	0	0.00%	
c. Completion of all finishing works inclding building and toll Plaza & Fixing of equipments (40%)	No.	1.00	0.620%	0		
(ii) (b) Toll Plaza on Entry & Exit Ramp			0.000%			
a. Compilation of PQC (30%)	No.	4.00	0.882%	0	0.00%	
b. Compilation of Building Works (30%)	No.	4.00	0.882%	0	0.00%	
c. Compilation of all finishing works inclding building and toll Plaza & Fixing of equipments (40%)	No.	4.00	1.176%	0	0.00%	
(iii) Road Side Drain (Unlined)	km	88.90	0.340%	0	0.00%	
(iv) Road signs, marking, Km stones, Safety Devices						
(iv) (a) Road signs, marking, Km stones etc.	km	88.90	1.940%	0	0.00%	
(iv) (b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work	km	151.50	9.490%	0	0.00%	
(iv) (c) Steel Railing	km	5.57	0.080%	0	0.00%	
(v) Project Facilities						
(v) (a) Bus Shelter	No.	4.00	0.020%	0	0.00%	
(v) (c) Truck Lay Bye cum Rest area	No.	1.00	0.920%	0	0.00%	
(v) (d) Electrification (Highway Lighting including lighting provisions at MCW, Slip Road, Service Road, Bus Bays, Truck Lay Bys, Junctions etc. as per Schedule-B, C & D. Nos. shall be finalized after finalization of lighting Plan & Design)	km	46.10	0.510%	0	0.00%	
(v) (e) Toilet Block	No.	22.00	0.210%	2	0.00%	
(vii) Road side/Median plantation	No.	36,880.00	0.840%		0.00%	
(vii) Protection Works						
(viii) (a) Boulder Pitching on slopes	km	0.83	0.150%	0	0.00%	
(viii) (b) Toe Wall/Retaining wall/Boundary Wall	km	2.60	0.110%	0	0.00%	
(viii) (c) River Training Work	km	0.83	0.160%	0	0.00%	
(x) Misclaneous Works						



Monthly Progress Report – September 2023



(x) (c) Connecting Road	km	3.30	0.430%		0.00%	
(x) (d) Tree Cutting	km	88.90	0.020%	85.96	0.02%	
(x) (e) (a) Major Junction	No.	2.00	0.220%		0.00%	
(x) (e) (b) Minor Junction	No.	16.00	0.180%		0.00%	
(x) (f) Rain Water Harvesting System	No.	92.00	0.210%		0.00%	
(x) (h) ATMS	km	46.10	2.020%		0.00%	
(x) (i) Pathway	km	4.50	0.270%		0.00%	
(x) (j) Utility Shifting	km	46.10	3.867%	36	3.02%	
Upto date Physical Progress=					44.709%	
Since Previous Progress=					40.483%	
This Month Progress=					4.23%	



15. CORRESPONDENCE

• Details of Incoming Letters - IE

Sr. No.	Letter No.	Date	Description
1	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/752/U-G-3	02-09-2023	Joint Monthly Site Inspection Report for the month of Aug 2023
2	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/753/U-G-3	04-09-2023	Construction of Major Bridge in Box pattern at ch. 113+817
3	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/754/U-G-3	04-09-2023	De-scoping of wayside amenities from concession agreement
4	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/756/U-G-3	04-09-2023	Submission of Draft Construction Stage Audit Report-2
5	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/757/U-G-3	04-09-2023	Clarification of MSP 04
6	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/759/U-G-3	05-09-2023	CM Helpline complaint no. 23856331
7	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/760/U-G-3	05-09-2023	CM Helpline complaint no. 23819291
8	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/761/U-G-3	05-09-2023	CM Helpline complaint no. 23208424
9	LNMIPPL/AR/Ujjain-Garoth/2023-24/4824	06-09-2023	Review of Design & Drawing of MNB at Km 120+663, 123+016, 125+281 after incorporating skew angle
10	LNMIPPL/AR/Ujjain-Garoth/2023-24/4825	06-09-2023	Review of GAD of LVUP & SVUP
11	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/772/U-G-3	09-09-2023	De-scoping of wayside amenities from concession agreement
12	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/775/U-G-3	09-09-2023	Reg. Road Safety Report by IE's Road Safety Expert
13	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/776/U-G-3	09-09-2023	Reg. Review of Design and drawing of Minor Bridge at ch. 100+600
14	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/779/U-G-3	11-09-2023	Road Safety Report –by Independent Road Safety Consultant (Ms Techmodec Consultant Pvt. Ltd.).
15	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/788/U-G-3	18-09-2023	Submission of Revised/modified Schedule G
16	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/790/U-G-3	19-09-2023	Reg. VIP Reference (LVUP)
17	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/791/U-G-3	19-09-2023	Reg. land acquired in the construction of Ujjain Garoth 4 lane
18	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/794/U-G-3	20-09-2023	Reg. Approval of Borrow area no. 24A

18	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/806/U-G-3	23-09-2023	Reg. VIP Reference of Sh. Sudhir Gupta
19	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/807/U-G-3	23-09-2023	Approval of Borrow Area No. -33
20	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/813/U-G-3	25-09-2023	Monthly Joint Site Inspection for the month of Sep 2023
21	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/815/U-G-3	25-09-2023	Reg. Approval of Concrete mix designs
22	LNMIPPL/AR/Ujjain-Garoth/2023-24/5418	25-09-2023	Review D&D of Box culverts at Km 96+626,Km 97+533,Km 117+918 Ltr. No.-387
23	LNMIPPL/AR/Ujjain-Garoth/2023-24/5419	25-09-2023	Compliance for MNB at Km 100+600 and 120+663 Ltr. No.-398
24	LNMIPPL/AR/Ujjain-Garoth/2023-24/5420	25-09-2023	D&D of Box culverts at Km 89+938,Km 90+970 Ltr. No.-385

• **Details of Incoming Letters – NHAI**

Sr. No.	Letter No.	Date	Description
1	NHAI/PIU/Ujjain/UG-III/COS/2023/1592	08-09-2023	In Principal Approval of Change of Scope
2	NHAI/PIU/Ujjain/UG-III/VIP/2023/1646	22-09-2023	VIP Reference of Sh. Sudhir Gupta, Honable MP Mandasaur
3	NHAI/PIU/Ujjain/UG-III/Schedule G/2023/1654	22-09-2023	Approval of Schedule G

• **Details of Outgoing Letters**

Sr. No.	Letter No.	Date	Description
1	MKC UGMH Pvt.Ltd./2023-24/380	04.09.2023	Submission of concrete Mix Design
2	MKC UGMH Pvt.Ltd./2023-24/383	09.09.2023	Submission of Drone Videography
3	MKC UGMH Pvt.Ltd./2023-24/384	09.09.2023	Submission of Monthly Progress Report
4	MKC UGMH Pvt.Ltd./2023-24/385	11.09.2023	Submission of Design & Drawings of Box Culvert at Ch. 89+938 & 90+970.
5	MKC UGMH Pvt.Ltd./2023-24/386	11.09.2023	Regarding Closure of NCR No- 15- At Ch. 113+818 Major Bridge Excavation and PCC work not as per CA.
6	MKC UGMH Pvt.Ltd./2023-24/387	11.09.2023	Submission of Design & Drawings of Box Culvert (1x5x4).
7	MKC UGMH Pvt.Ltd./2023-24/388	12.09.2023	Regarding Possession of Balance Land.



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8	MKC UGMH Pvt.Ltd./2023-24/389	12.09.2023	Regarding Submission of ROB Additional Land Acquisition Detail.
9	MKC UGMH Pvt.Ltd./2023-24/391	12.09.2023	Submission of Profile and credential for Bearing & Expansion Joint (Maurer-Sanfield India Pvt. Ltd.)
10	MKC UGMH Pvt.Ltd./2023-24/392	12.09.2023	Submission of Profile and credential for Bearing & Expansion Joint (Kanta Rubber Pvt. Ltd.)
11	MKC UGMH Pvt.Ltd./2023-24/393	12.09.2023	Submission of Profile and credential for LRPC Wire (Bajrang Wire Products India Pvt. Ltd.)
12	MKC UGMH Pvt.Ltd./2023-24/394	12.09.2023	Submission of Profile and credential for Composite Steel Girder (Punia Construction Company).
13	MKC UGMH Pvt.Ltd./2023-24/398	14.09.2023	Compliance Regarding Design & Drawings of MNB at Ch. 100+600 & Ch. 120+663
14	MKC UGMH Pvt.Ltd./2023-24/399	14.09.2023	Submission of Design & Drawing of RE Wall.
15	MKC UGMH Pvt.Ltd./2023-24/400	14.09.2023	Submission of Junction Drawing.
16	MKC UGMH Pvt.Ltd./2023-24/401	14.09.2023	Submission of Connecting Road Plan & Profile.
17	MKC UGMH Pvt.Ltd./2023-24/402	14.09.2023	Regarding Submission of Typical Cross Section and Plan & Profile of Pathway.
18	MKC UGMH Pvt.Ltd./2023-24/404	14.09.2023	Submission of Typical Drawing of Median Kerb
19	MKC UGMH Pvt.Ltd./2023-24/405	14.09.2023	Regarding Submission of Design & Drawing of Main Toll Plaza.
20	MKC UGMH Pvt.Ltd./2023-24/406	15.09.2023	Submission of Borrow Area Test Result for Approval.
21	MKC UGMH Pvt.Ltd./2023-24/407	15.09.2023	Requesting for Inspection of Work
22	MKC UGMH Pvt.Ltd./2023-24/408	16-09-2023	Submission of Material for Third Party Test (Hard Rock taken at Bore Well Pilling).
23	MKC UGMH Pvt.Ltd./2023-24/409	25-09-2023	Submission of Third-Party Test Reports.
24	MKC UGMH Pvt.Ltd./2023-24/410	25-09-2023	Revised Submission of 5th Payment Milestone Certificate.
25	MKC UGMH Pvt.Ltd./2023-24/411	25-09-2023	Submission of Borrow Area Test Result for Approval
26	MKC UGMH Pvt.Ltd./2023-24/413	26-09-2023	Submission of Design & Drawing of COS LVUP at Ch- 109+665.
27	MKC UGMH Pvt.Ltd./2023-24/414	26-09-2023	Submission of Drawing of Approach Slab and Drainage Spout.
28	MKC UGMH Pvt.Ltd./2023-24/415	26-09-2023	Submission of Drawing of Crash Barrier.
29	MKC UGMH Pvt.Ltd./2023-24/416	26-09-2023	Submission of Material Testing for Third-Party Laboratory.



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30	MKC UGMH Pvt.Ltd./2023-24/417	27.09.2023	Submission of Change of Scope (COS) Estimate with SOR-2022 for COS Order.
31	MKC UGMH Pvt.Ltd./2023-24/418	27.09.2023	Regarding Submission of Compliance of Draft Construction Stage Audit Report-2
32	MKC UGMH Pvt.Ltd./2023-24/421	30-09-2023	Submission of QAP (Quality Assurance Plan) & WPSS (Welding Procedure Specification Sheet) for Composite Steel Girder.

16. NCR/SITE INSTRUCTION STATUS

NCR No	LETTER NO.	Description	Issue Date	Compliance Letter No.	Compliance Date	Closing Letter No	Date of Closing	Status	Remarks
1	LNMIPL/Ujjain-Garoth/2022-23/93/U-G-3	At chainage 96+400 to 96+600 BHS the material dumped and sprayed laying over size material more than 150mm to 200mm	06.12.2022	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/91	21.12.2022	LNMIPL/Ujjain-Garoth/2022-23/180/U-G-3	17.01.2023	Closed	
2	LNMIPL/Ujjain-Garoth/2022-23/94/U-G-3	At chainage 105+400 to 105+600 BHS the material dumped and sprayed laying over size material more than 150mm to 200mm	06.12.2022	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/92	21.12.2022	LNMIPL/Ujjain-Garoth/2022-23/181/U-G-3	17.01.2023	Closed	
3	LNMIPL/Ujjain-Garoth/2022-23/128/U-G-3	Safety arrangement at intersections.						Pending	
4	LNMIPL/Ujjain-Garoth/2022-23/172/U-G-3	At chainage 121+000 to 121+200 BHS the material dumped and sprayed laying over size material more than 150mm to 200mm	16.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/145	03.02.2023	LNMIPL/Ujjain-Garoth/2022-23/256/U-G-3	11.02.2023	Closed	



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5	LNMIPPL/Ujjain-Garoth/2022-23/173/U-G-3	At chainage 94+200 to 94+400 BHS the material dumped and sprayed laying over size material more than 150mm to 200mm	16.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/149	05.02.2023	LNMIPPL/Ujjain-Garoth/2022-23/257/U-G-3	11.02.2023	Closed	
6	LNMIPPL/Ujjain-Garoth/2022-23/174/U-G-3	At chainage 111+250 to 111+450 BHS the material dumped and sprayed laying over size material more than 150mm to 200mm	17.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/164	13.02.2023	LNMIPPL/Ujjain-Garoth/2022-23/283/U-G-3	20.02.2023	Closed	
7	LNMIPPL/Ujjain-Garoth/2022-23/175/U-G-3	At chainage 116+330 to 116+550 BHS the material dumped and sprayed laying over size material more than 150mm to 200mm	17.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/148	05.02.2023	LNMIPPL/Ujjain-Garoth/2022-23/258/U-G-3	11.02.2023	Closed	
8	LNMIPPL/Ujjain-Garoth/2022-23/176/U-G-3	At chainage 115+240 to 115+370 BHS the material dumped and sprayed laying over size material more than 150mm to 200mm	17.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/151	06.02.2023	LNMIPPL/Ujjain-Garoth/2022-23/259/U-G-3	11.02.2023	Closed	
9	LNMIPPL/Ujjain-Garoth/2022-23/218/U-G-3	PCC Work at Chainage -98+600(MNB) LHS	31.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/167	17.02.2023	LNMIPPL/Ujjain-Garoth/2022-23/278/U-G-3	20.02.2023	Closed	



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10	LNMIPL/Ujjain-Garoth/2022-23/219/U-G-3	PCC Work at Chainage -99+363(MNB) BHS	31.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/168	17.02.2023	LNMIPL/Ujjain-Garoth/2022-23/279/U-G-3	20.02.2023	Closed	
11	LNMIPL/Ujjain-Garoth/2022-23/220/U-G-3	At chainage 125+100 to 125250 RHS the material dumped and sprayed laying over size material more than 150mm to 200mm	31.01.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/169	17.02.2023	LNMIPL/Ujjain-Garoth/2022-23/284/U-G-3	20.02.2023	Closed	
12	LNMIPL/Ujjain-Garoth/2022-23/351/U-G-3	At ch.-110+841 SVUP Wall 1st lift A-1 side cube tested in lab found not to have strength of cube	16.03.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/212	22.03.2023	LNMIPL/Ujjain-Garoth/2022-23/365/U-G-3	24.03.2023	Closed	
13	LNMIPL/Ujjain-Garoth/2022-23/509/U-G-3	At Chainage – 110+150 to 110+250 RHS the Material dumped and sprayed laying not as per section 400-1 (Grading V) GSB material.	17.05.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/279	29.05.2023	LNMIPL/Ujjain-Garoth/2022-23/535/U-G-3	31.05.2023	Closed	
14	LNMIPL/Ujjain-Garoth/2022-23/517/U-G-3	At Chainage – 119+734 RHS bottom hunch dimensional at 1.0 mtr. Length not as per drawing.	20.05.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/280	29.05.2023	LNMIPL/Ujjain-Garoth/2022-23/536/U-G-3	31.05.2023	Closed	



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15	LNMIPPL/Ujjain-Garoth/2022-23/551/U-G-3	At ch. 113+818 Major Bridge Excavtion and PCC work not as per CA	05.06.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/386	11.09.2023	LNMIPPL/Ujjain-Garoth/2022-23/781/U-G-3	16.09.2023	Closed	
16	LNMIPPL/Ujjain-Garoth/2022-23/572/U-G-3	At Chainage – 125+440 (Minor Bridge) inproper pouring of M-35 grade concrete of raft, lot of cracks developed on raft surface	17.06.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/362	18.08.2023	LNMIPPL/Ujjain-Garoth/2022-23/728/U-G-3	19.08.2023	Closed	
17	LNMIPPL/Ujjain-Garoth/2022-23/573/U-G-3	At Chainage – 93+784 (Minor Bridge) inproper pouring of M-35 grade concrete of abutment wall, due to shuttering failure	17.06.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/335	20.07.2023	LNMIPPL/Ujjain-Garoth/2022-23/663/U-G-3	26.07.2023	Closed	
18	LNMIPPL/Ujjain-Garoth/2022-23/609/U-G-3	At Chainage - 116+000 to 120+000 utility shifting work not done as per approved estimate	03.07.2023					Pending	



19	LNMIPPL/Ujjain-Garoth/2022-23/652/U-G-3	At Chainage – 107+863 (Box Culvert) not executing as per IE Reviewed drawing	21.07.2023					Pending	
20	LNMIPPL/Ujjain-Garoth/2022-23/676/U-G-3	At Chainage – 104+645 (LVUP) It has been observed that IE Reviewed drawing show RE Wall in approach but you have executing RCC retaining wall in a limited section	03.08.2023					Pending	
21	LNMIPPL/Ujjain-Garoth/2022-23/677/U-G-3	At Chainage – 110+863 (SVUP) It has been observed that IE Reviewed drawing show RE Wall in approach but you have executing RCC retaining wall in a limited section	03.08.2023					Pending	



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22	LNMIPL/Ujjain-Garoth/2022-23/687/U-G-3	At Chainage - 125+281 (MNB) Raft Casting done without IE Reviewed drawing	07.08.2023					Pending	
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17. WEATHER REPORT

Weather Report for the Month of SEPTEMBER-2023

SL. NO.	DATE	TEMPERATURE °c		REL. HUMIDITY %		WEATHER	RAIN FALL (mm)	CUMM. RAIN FALL (mm)	REMARKS
		MIN.	MAX.	MIN.	MAX.				
1	1-Sep-2023	26.3	37.1	62	74	Sunny	0	0	
2	2-Sep-2023	27.1	26.5	66	80	Sunny	0	0	
3	3-Sep-2023	25.2	37.2	65	81	Sunny	0	0	
4	4-Sep-2023	26.3	36.5	67	82	Sunny	0	0	
5	5-Sep-2023	24.8	34.3	64	73	Sunny	0	0	
6	6-Sep-2023	25.3	35.6	66	78	Rainy	10	10	
7	7-Sep-2023	26.8	34.1	64	76	Rainy	15	25	
8	8-Sep-2023	24.3	33.8	66	72	Rainy	16	41	
9	9-Sep-2023	26.8	37.5	62	78	Sunny	0	41	
10	10-Sep-2023	24.8	34.9	69	79	Sunny	0	41	
11	11-Sep-2023	23.1	35.2	65	77	Rainy	4	45	
12	12-Sep-2023	24.8	34.5	66	80	Rainy	14	59	
13	13-Sep-2023	26.3	33.7	64	72	Rainy	40	99	
14	14-Sep-2023	26.1	32.9	65	75	Rainy	36	135	
15	15-Sep-2023	26.0	31.8	65	80	Rainy	136	271	
16	16-Sep-2023	24.0	30.2	63	72	Rainy	40	311	
17	17-Sep-2023	24.0	32.8	64	79	Rainy	15	326	
18	18-Sep-2023	27.0	35.2	67	80	Rainy	10	336	
19	19-Sep-2023	26.0	34.6	65	78	Rainy	10	346	
20	20-Sep-2023	24.0	35.8	65	80	Sunny	0	346	
21	21-Sep-2023	27.0	36.3	67	81	Rainy	27	373	
22	22-Sep-2023	26.0	36.1	64	78	Rainy	11	384	
23	23-Sep-2023	27.0	35.2	66	79	Sunny	0	384	
24	24-Sep-2023	25.0	34.8	62	72	Rainy	12	396	
25	25-Sep-2023	27.0	34.9	63	73	Sunny	0	396	
26	26-Sep-2023	26.0	35.6	62	70	Sunny	0	396	
27	27-Sep-2023	26.0	34.8	60	72	Sunny	0	396	
28	28-Sep-2023	27.0	34.4	61	70	Sunny	0	396	
29	29-Sep-2023	27.0	36.1	62	72	Sunny	0	396	
30	30-Sep-2023	25.0	34.0	59	70	Sunny	0	396	
Rain Fall (in mm)						This Month		396	

18. QC REPORTS

Quality Control Test Report for SEPTEMBER -2023

S.No.	Name of test	Reference as per IS/ MORTH		Total Tests Conducted Up to Previous Month			No. of Tests Conducted during this Month			No. of Tests Conducted up to this Month			Test Witnessed by IE's Rep.				Test Witnessed by NHAI Rep.		
				Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed	Up to previous Month	During this Month	Total	%	Up to previous Month	During this Month	Total
1.0 OGL samples				MORTH-900															
1.1	Free Swell Index (FSI)	IS : 2720 (P- 40)	As Required	210	210	0	0	0	0	210	210	0	64	0	64	0	13	0	13
1.2	Grain size analysis	IS : 2720 (P-4)	As Required	195	195	0	0	0	0	195	195	0	49	0	49	0	13	0	13
1.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	As Required	195	195	0	0	0	0	195	195	0	49	0	49	0	13	0	13
1.4	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	As Required	195	195	0	0	0	0	195	195	0	49	0	49	0	13	0	13
1.5	4 days soaked CBR	IS : 2720 (P- 16)	As Required	13	13	0	0	0	0	13	13	0	13	0	13	0	0	0	0
2.0 Borrow Area Samples				MORTH-900															
2.1	Free Swell Index (FSI)	IS : 2720 (P- 40)	2 tests / 3000 m ²	2214	2214	0	68	68	0	2282	2282	0	623	68	691	100	42	0	42
2.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000 m ²	2214	2214	0	68	68	0	2282	2282	0	3623	68	3691	100	42	0	42
2.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000 m ²	2214	2214	0	68	68	0	2282	2282	0	623	68	691	100	42	0	42
2.4	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	2 tests / 3000 m ²	2214	2214	0	68	68	0	2282	2282	0	623	68	691	100	42	0	42
2.5	4 days soaked CBR	IS : 2720 (P- 16)	1 test / 3000 m ²	1284	1284	0	36	36	0	1320	1320	0	413	36	449	100	42	0	42
3.0 Field Density Tests				MORTH-900															
3.1	Field density test on OGL	IS : 2720 (P- 28)	1 set of tests / 3000 m ²	13437	13437	0	0	0	0	13437	13437	0	2606	0	2606	0	0	0	0
3.2	Field density test on Emb.	IS : 2720 (P- 28)	1 set of tests /3000 m ²	20748	20748	0	6	6	0	20754	20754	0	3924	2	3926	33	0	0	0
3.3	Field density test on Subgrade	IS : 2720 (P- 28)	1 set of tests / 2000 m ²	6615	6615	0	9	9	0	6624	6624	0	1301	2	1303	22	0	0	0
3.4	Field density test on GSB	"	1 test / 1000 m ²	1004	1004	0	36	36	0	1040	1040	0	229	8	237	22	0	0	0
3.5	Field density test on WMM	"	1 set of three / 1000 m ²	689	688	1	18	18	0	707	706	1	163	4	167	22	0	0	0
3.6	Field density test on Earthen Shoulder	"	1 set of tests / 2000 m ²	72	72	0	0	0	0	72	72	0	17	0	17	0	0	0	0
3.7	Field density test on Backfilling	"	1 set of 2 test / 500 m ²	2811	2805	6	180	180	0	2991	2985	6	480	41	521	23	0	0	0
3.8	Field density test on DLC	"	1 set of tests / 2000 m ²	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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4.0 Coarse Agg. for Concrete																				
4.1	Gradation	IS : 2386 (P-1)	1 test / day	282	282	0	30	30	0	312	312	0	112	30	142	100	0	0	0	
4.2	Flakiness Index	IS : 2386 (P-1)	Weekly	46	46	0	4	4	0	50	50	0	20	4	24	100	0	0	0	
4.3	Aggregate Impact Value	IS : 2386 (P-4)	Weekly	46	46	0	4	4	0	50	50	0	20	4	24	100	0	0	0	
4.4	Specific Gravity	IS : 2386 (P-3)	Test/Source	2	2	0	0	0	0	2	2	0	1	0	1	0	0	0	0	
4.5	Water Absorption	IS : 2386 (P-3)	Test/Source	2	2	0	0	0	0	2	2	0	1	0	1	0	0	0	0	
4.6	Deleterious Content	IS : 2386 (P-1)	As Required	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0	
4.7	Moisture correction	IS : 2386 (P-3)	Per Day	282	282	0	30	30	0	312	312	0	112	30	142	100	0	0	0	
4.8	10% Fine Value	BS : 812 P-3	Test/Source	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
4.10	Soundness	IS : 2386 (P-5)	Test/Source	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
4.11	Alkali Aggregate Reactivity	IS : 2386 (P-7)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4.12	Petrographic Examination	IS : 2386 (P-3)	Test/Source	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
5.0 Fine Agg. for Concrete																				
5.1	Gradation	IS : 2386 (P-1)	1 test / day	282	282	0	30	30	0	312	312	0	112	30	142	100	0	0	0	
5.2	Specific Gravity	IS : 2386 (P-3)	Test/Source	3	3	0	0	0	0	3	3	0	1	0	1	0	0	0	0	
5.3	Water Absorption	IS : 2386 (P-3)	Test/Source	3	3	0	0	0	0	3	3	0	1	0	1	0	0	0	0	
5.4	Deleterious Content (silt content)	IS : 2386 (P- 1&2)	As Required	50	50	0	5	5	0	55	55	0	18	5	23	100	0	0	0	
5.5	Moisture correction	IS : 2386 (P-3)	Per Day	282	282	0	30	30	0	312	312	0	112	30	142	100	0	0	0	
5.6	Alkali Aggregate Reactivity	IS : 2386 (P-7)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5.7	Soundness	IS : 2386 (P-5)	Test/Source	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
5.8	Organic Impurities	IS : 2386 (P-2)	Test/Source	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
6.0 Concrete Cube Compressive strength tests(in sets)																				
For M 10 Grade																				
6.1	for 7 days	IS : 516	for 7 days	155	155	0	12	12	0	167	167	0	53	12	65	100	0	0	0	
6.2	for 28 days	IS : 516	for 28 days	469	469	0	10	10	0	479	479	0	136	10	146	100	0	0	0	
For M 15 Grade																				
6.3	for 7 days	IS : 516	for 7 days	28	28	0	3	3	0	31	31	0	19	3	22	100	0	0	0	
6.4	for 28 days	IS : 516	for 28 days	32	32	0	3	3	0	35	35	0	24	3	27	100	0	0	0	
For M 20																				
6.5	for 7 days	IS : 516	for 7 days	15	15	0	0	0	0	15	15	0	10	0	10	0	0	0	0	
6.6	for 28 days	IS : 516	for 28 days	15	15	0	0	0	0	15	15	0	8	0	8	0	0	0	0	



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For M 25 Grade																			
6.7	for 7 days	IS : 516	for 7 days	245	245	0	11	11	0	256	256	0	69	11	80	100	0	0	0
6.8	for 28 days	IS : 516	for 28 days	631	631	0	17	17	0	648	648	0	148	17	165	100	0	0	0
For M 30 Grade																			
6.9	for 7 days	IS : 516	for 7 days	51	51	0	14	14	0	65	65	0	29	14	43	100	0	0	0
6.10	for 28 days	IS : 516	for 28 days	64	64	0	38	38	0	102	102	0	37	38	75	100	0	0	0
For M 35 Grade																			
6.11	for 7 days	IS : 516	for 7 days	178	178	0	11	11	0	189	189	0	86	11	97	100	0	0	0
6.12	for 28 days	IS : 516	for 28 days	547	547	0	39	39	0	586	586	0	346	39	385	100	0	0	0
For M 35 (Pile) Grade																			
6.11	for 7 days	IS : 516	for 7 days	9	9	0	5	5	0	14	14	0	9	5	14	100	0	0	0
6.12	for 28 days	IS : 516	for 28 days	5	5	0	21	21	0	26	26	0	5	21	26	100	0	0	0
For M 35 (RE-BLOCK) Grade																			
6.11	for 7 days	IS : 516	for 7 days	49	49	0	27	27	0	76	76	0	3	27	3	100	0	0	0
6.12	for 28 days	IS : 516	for 28 days	93	93	0	70	70	0	163	163	0	93	70	163	100	0	0	0
For M 40 Grade																			
6.12	for 7 days	IS : 516	for 7 days	32	32	0	8	8	0	40	40	0	32	8	40	100	0	0	0
6.13	for 28 days	IS : 516	for 28 days	30	30	0	7	7	0	37	37	0	30	7	37	100	0	0	0
For M 45 Grade																			
6.14	for 7 days	IS : 516	for 7 days	9	9	0	0	0	0	9	9	0	9	0	9	0	0	0	0
6.15	for 28 days	IS : 516	for 28 days	9	9	0	0	0	0	9	9	0	9	0	9	0	0	0	0
For DLC																			
6.16	for 7 days	IS : 516	for 7 days	6	6	0	0	0	0	6	6	0	0	0	0	0	0	0	0
For PQC CUBE																			
6.17	for 7 days	IS : 516	for 7 days	3	3	0	0	0	0	3	3	0	3	0	3	0	0	0	0
6.18	for 28 days	IS : 516	for 28 days	10	10	0	0	0	0	10	10	0	10	0	10	0	0	0	0
For PQC BEAM																			
6.19	for 7 days	IS : 516	for 7 days	3	3	0	0	0	0	3	3	0	3	0	3	0	0	0	0
6.20	for 28 days	IS : 516	for 28 days	10	10	0	0	0	0	10	10	0	10	0	10	0	0	0	0



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7.0 Cement Tests		MORTH 1000																	
7.1	Fineness of cement	IS : 4031 (P-1)	1 test / lot of cement	48	48	0	8	8	0	56	56	0	25	8	33	100	0	0	0
7.2	Normal consistency	IS : 4031 (P-4)	1 test / lot of cement	48	48	0	8	8	0	56	56	0	25	8	33	100	0	0	0
7.3	Initial, final setting times	IS : 4031 (P-5)	1 test / lot of cement	48	48	0	8	8	0	56	56	0	25	8	33	100	0	0	0
7.4	Soundness	IS : 4031 (P-3)	1 test / lot of cement	48	48	0	8	8	0	56	56	0	25	8	33	100	0	0	0
7.5	Compressive strength - 3 days	IS : 4031 (P-6)	for 3 days	42	42	0	8	8	0	50	50	0	20	8	28	100	0	0	0
	- 7 days	"	for 7 days	42	42	0	8	8	0	50	50	0	18	8	26	100	0	0	0
	- 28 days	"	for 28 days	39	39	0	8	8	0	47	47	0	16	8	24	100	0	0	0
7.6	Chemical properties	IS : 4031	Once per Source /	3	3	0	0	0	0	3	3	0	0	0	0	0	0	0	0
9.0 Steel		MORTH 1000																	
9.1	Physical Properties	IS : 1786		21	21	0	7	7	0	28	28	0	21	7	28	100	0	0	0
11.0 Water		MORTH 1000																	
11.1	Suitability for Construction	IS : 456		1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
12.0 Admixture		MORTH 1000																	
12.1	Suitability for Concrete	IS : 9103		4	4	0	0	0	0	4	4	0	4	0	4	0	0	0	0
13.0 SUB-BASE (GSB)		MORTH 401																	
13.1	Gradation	Table 400-2 (Grading-V)	1 Test /400 cu.m.	360	360	0	8	8	0	368	368	0	201	8	209	100	0	0	0
13.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 Test /400 cu.m.	356	356	0	8	8	0	364	364	0	197	8	205	100	0	0	0
13.3	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	Test/Source	2	2	0	0	0	0	2	2	0	2	0	2	0	0	0	0
13.4	4 days soaked CBR	IS : 2720 (P- 16)	Test/Source	2	2	0	0	0	0	2	2	0	2	0	2	0	0	0	0
13.5	Water Absorption	IS : 2720 (P-3)	Test/Source	2	2	0	0	0	0	2	2	0	2	0	2	0	0	0	0
13.6	A.I.V	IS : 2386 (P-4)	As Required	9	9	0	4	4	0	13	13	0	5	4	9	100	0	0	0

14.0 SUB-BASE / BASE (WMM)		MORTH 406																	
14.1	Gradation	Table 400-12	1 test / 200 m ³	372	372	0	6	6	0	378	378	0	240	6	246	100	0	0	0
14.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 test / 200 m ³	372	372	0	6	6	0	378	378	0	239	6	245	100	0	0	0
14.3	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)		1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
14.4	A.I.V	IS : 2386 (P-4)	1 test / 1000 m ³	115	115	0	3	3	0	118	118	0	74	3	77	100	0	0	0
14.5	FI & EI	IS : 2386 (P-1)	1 test / 500 m ³	161	161	0	2	2	0	163	163	0	111	2	113	100	0	0	0
14.6	Water Absorption	IS : 2386 (P-3)	Test/Source	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
14.7	Soundness	IS : 2386 (P-3)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15. Bitumen VG-40																			
15.1	Specific Gravity at 27°C	IS : 2380 (P-4)	As required	2	2	0	0	0	0	2	2	0	2	0	2	0	0	0	0
15.2	Softening Point(oc)	IS : 1205	1 test per Lot	52	52	0	0	0	0	52	52	0	35	0	35	0	0	0	0
15.3	Penetration at 25°C 100gm 5	IS : 1203	1 test per Lot	52	52	0	0	0	0	52	52	0	35	0	35	0	0	0	0
15.4	Ductility at 27°C	IS : 1208	1 test per Lot	52	52	0	0	0	0	52	52	0	35	0	35	0	0	0	0
15.5	Viscosity at 60°/135°C (CST)	IS : 1206	As required	52	52	0	0	0	0	52	52	0	35	0	35	0	0	0	0
16. Emulsion		MORTH 503																	
16.1	RS 1 (Tack coat)	IS : 8887	Per Lot	3	3	0	1	1	0	4	4	0	3	1	4	100	0	0	0
16.2	SS 1(Prime coat)	IS : 8887	Per Lot	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
17.0 RATE OF SPRAY		MORTH 503																	
17.1	Prime coat	As per MORTH	3 test / day	56	56	0	0	0	0	56	56	0	26	0	26	0	0	0	0
17.2	Tack Coat	As per MORTH	3 test / day	56	56	0	0	0	0	56	56	0	26	0	26	0	0	0	0



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18.0 DENSE BITUMINOUS MACADAM GRADING- 2			MORTH 505																
18.1	Binder Content	As per MORTH	1 test / 400 Tonne Mix	44	38	0	0	0	0	44	38	0	16	0	16	0	0	0	0
18.2	Combined Gradation	As per MORTH	1 test / 400 Tonne Mix	50	44	0	0	0	0	50	44	0	22	0	22	0	0	0	0
18.3	Marshall Test (in Sets)	ASTM D 1559	1 test / 400 Tonne Mix	89	83	0	0	0	0	89	83	0	24	0	24	0	0	0	0
18.4	A.I.V	IS : 2386 (P-4)	1 test / 350 m3 of Agg.	26	21	0	0	0	0	26	21	0	10	0	10	0	0	0	0
18.5	Fl & El	IS : 2386 (P-1)	1 test / 350 m3 of Agg.	26	21	0	0	0	0	26	21	0	10	0	10	0	0	0	0
18.6	Water Absorption & Specific	IS : 2386 (P-3)	Test/Source	4	4	0	0	0	0	4	4	0	4	0	4	0	0	0	0
18.7	Stripping Value	IS : 6241	Test/Source	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
18.8	Core Density Test	As Per Morth	1 test / 700 sqm.	164	164	0	0	0	0	164	164	0	65	0	65	0	1	0	1
Total				63135	63100	7	1087	1087	0	64222	64187	7	18146	895	19014		263	0	263

Total Tests Conducted this Month	1087
Total Tests Witnessed by IE's this Month	895
Total Test Witnessed by IE's in % this Month	82.34%

Total Tests Conducted this Month	1087
Total Tests Witnessed by NHAI this Month	0
Total Test Witnessed by NHAI in % this Month	0.00%

19. SITE PHOTOGRAPHS



CH:- 127+197 ROB PILE REINFORCEMENT CHECKING



SHOT ON OPPO

CH:- 114+200 to 114+250 EMBANKMENT 3RD LAYER ROLLING



GSB WIP at Ch- 108+250



CH:- 105+600 to 106+000 WMM TOP LAYING



DBM Laying at 115+000 to 115+280



CH:- 110+100 to 110+200 SLOPE CUTTING WIP (LHS)



CH:- 127+197 ROB PILE CAP REINFORCEMENT WIP



CH:- 127+197 ROB PIER-1 REINFORCEMENT BINDING WIP (LHS)



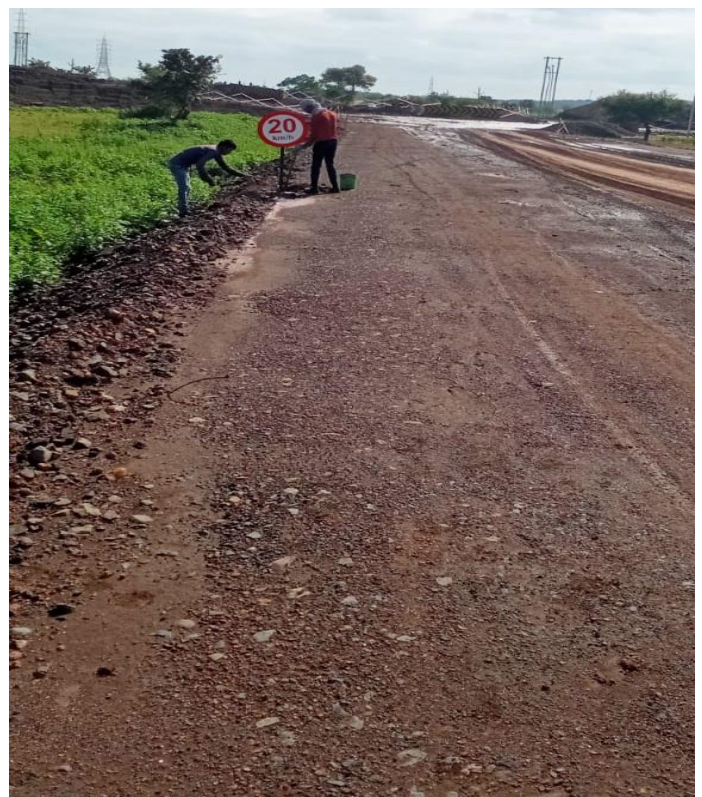
**CH:- 127+197 ROB ABUTMENT PILE CAP PCC
WIP**



**CH:- 99+592 MNB FINAL LIFT WALL CONNCRETE
POURING**



**CH:- 110+900 to 111+080 SG TOP FDD
CHECKING**



**CH:- 109+750 SPEED LIMIT BOARD
INSTALLATION**