



Monthly Progress Report –June 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**

**JUNE-2023**

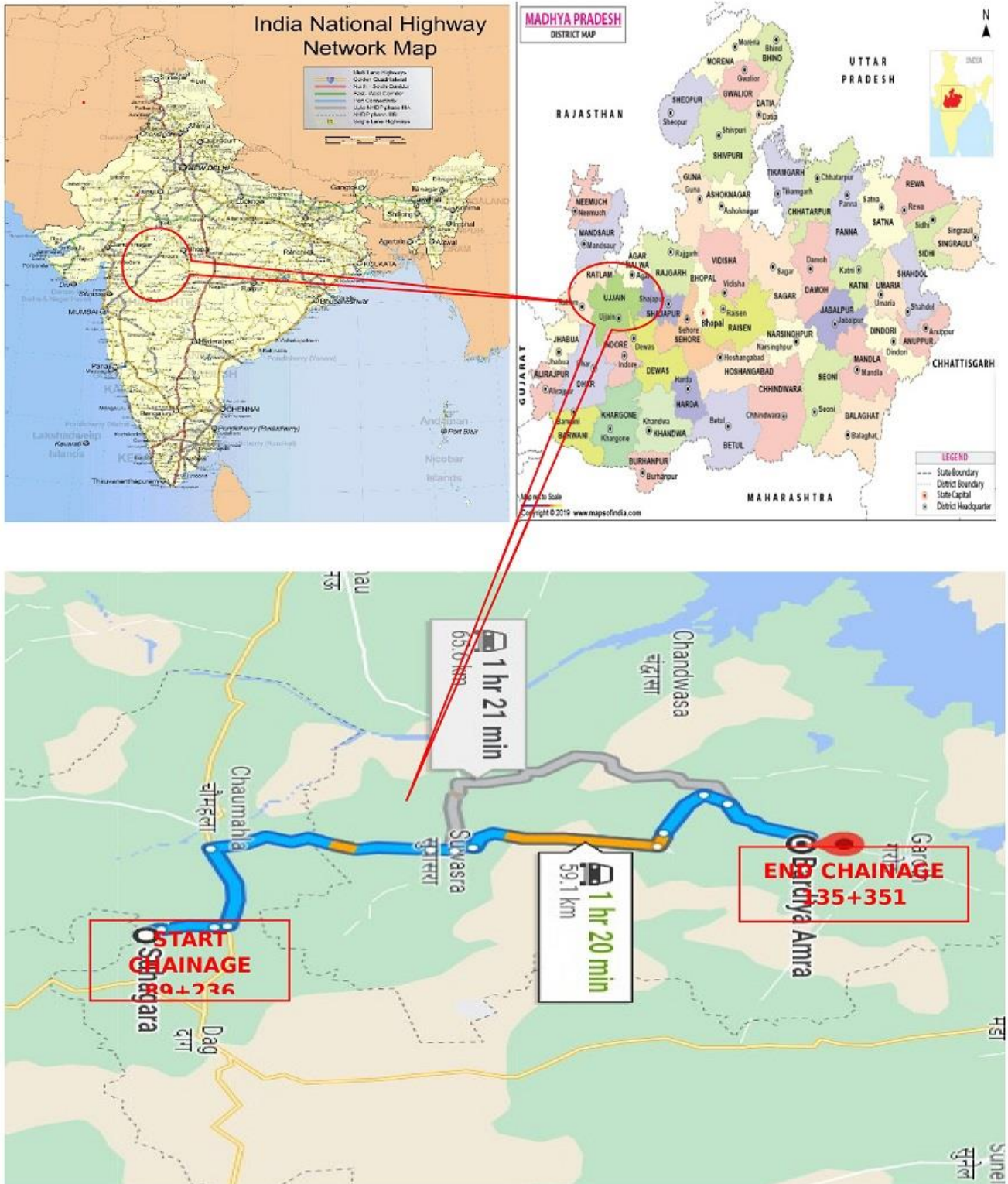
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## 1. SALIENT FEATURES OF THE PROJECT

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	46.151 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

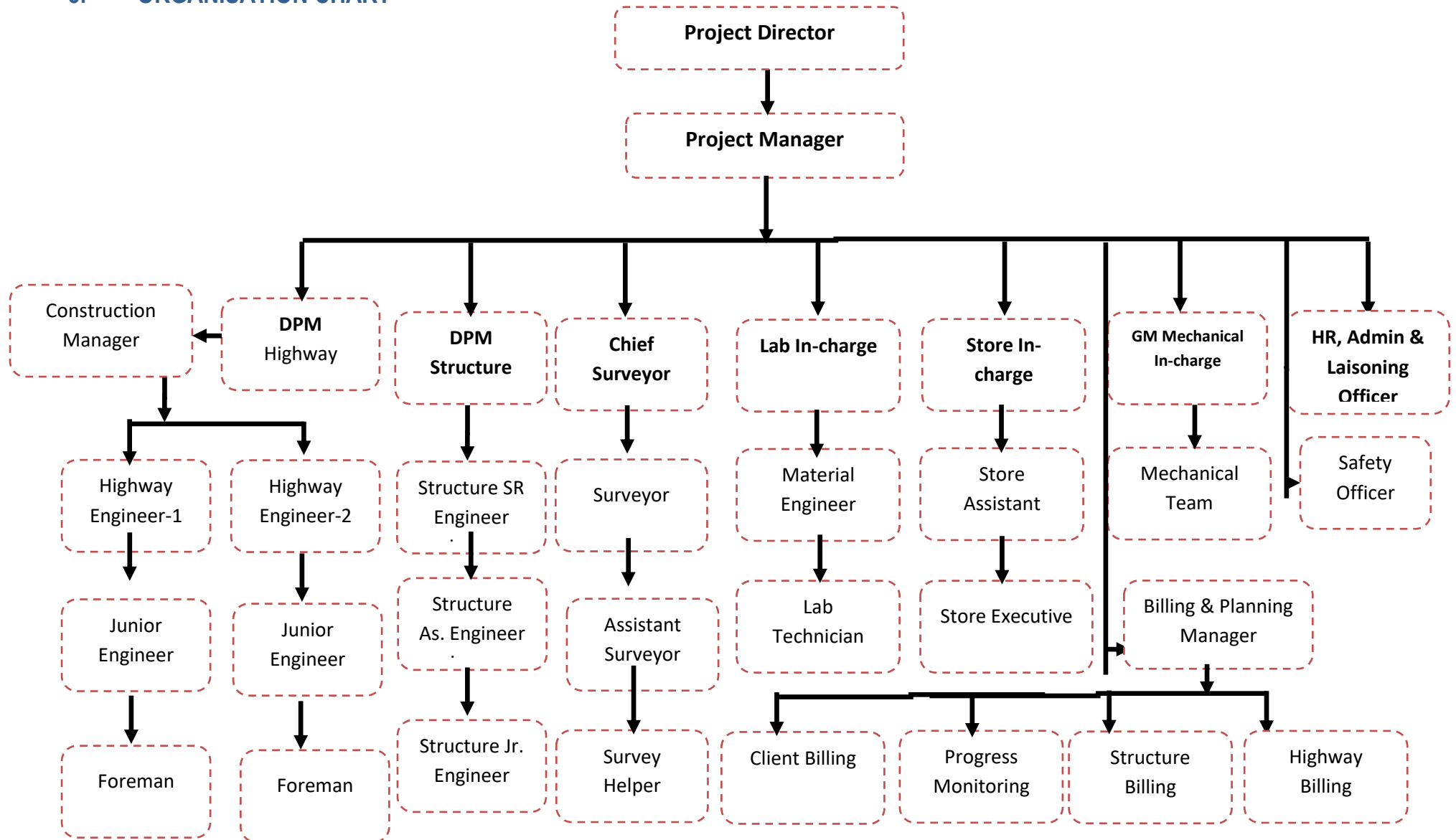
## 2. LOCATION PLAN



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	2.32 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	Submitted	
3	Article 26	Proposed Insurance Policies As per Article 20	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/67 Dated-7-12-2022
4	Article 18.1.2	Appointent of Safety Consultant	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/37 Dated-2-11-2022
5		Appointment of Design Director	Submitted	
6	Article 10	Applicable Permit	Submitted	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	Submitted	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	Submitted	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
c)		License of use of explosives	Submitted	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	Submitted	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	Submitted	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	Submitted	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	Submitted	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.	Submitted	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022



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i)		Labour License	Submitted	MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/68 Dated.08.12.2022
7		Handover Memorandum	Submitted	
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 <sup>rd</sup> Days	20%	27-02-2023	Achieved as per Milestone C.A .Dated 31-03-2023
2	Milestone-II	300 <sup>th</sup> Days	35%	13-08-2023	In Progress
3	Milestone-III	404 <sup>th</sup> Days	75%	25-11-2023	
4	Schedule Completion	610 <sup>th</sup> 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	
6	VI (Sixth)	50% of Physical 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 30-06-2023				
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.	15	
24	Compressor	Nos.	05	
25	Cement Silo 120 MT	Nos.	2	
26	Tractor Trolley	Nos.	7	
27	JCB	Nos.	05	
28	Dozer	Nos.	04	
<b>Total</b>			<b>315</b>	

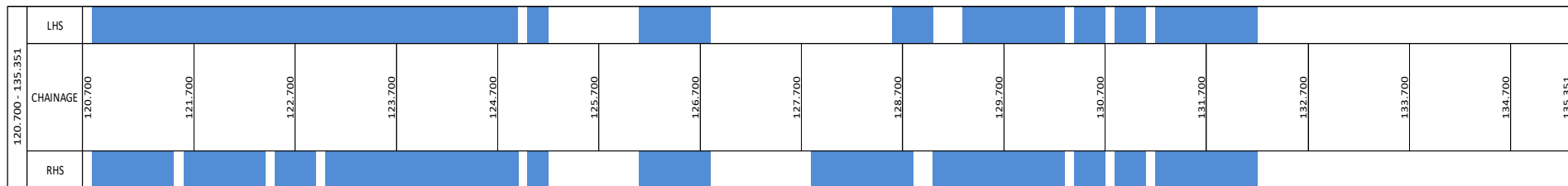
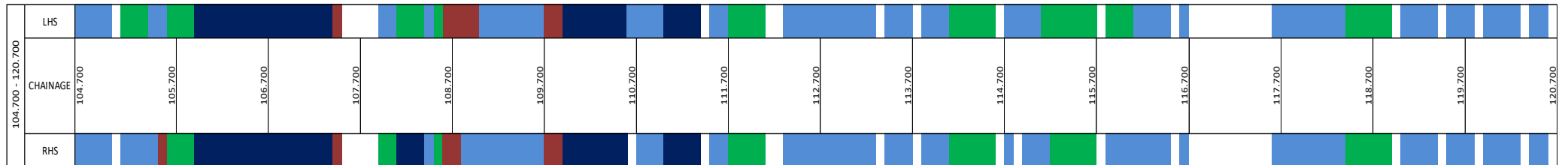
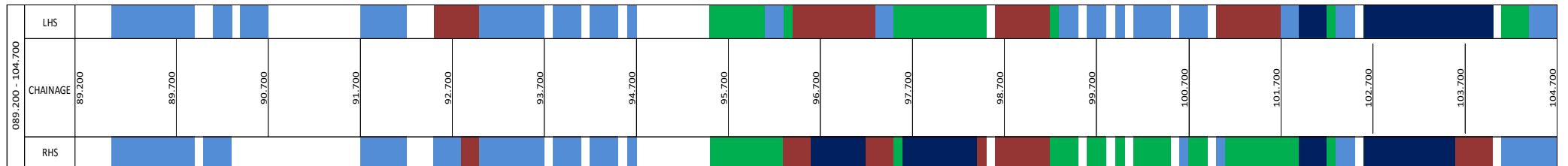
## 8. MOBILISATION OF MANPOWER

Sr. No.	Designation	Available at Site	Remarks
<b>Overall Responsibility of Projects</b>			
1	Mr. Ashok Kumar Tripathi (Sr. General Manager)	1	
2	Mr. Hardik Sukhadia (Project Manager)	1	
<b>Highways</b>			
3	Mr. Parminder Malik (Deputy Project Manager)	1	
4	Senior Engineer	4	
5	Engineer	8	
<b>Structure</b>			
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	
<b>Survey</b>			
12	Mr. Deepak Dixit (Manager)	1	
13	Mr. Ajay Kumar Morya (Sr. Surveyor)	1	
14	Asst. Surveyor/Surveyor	8	
<b>Quality Control</b>			
15	Mr. Anjani Kumar Tiwari (Manager)	1	
16	Engineer	2	
17	Jr. Engineer /Technician/ Lab. Technician	13	
<b>Safety</b>			
18	Engineer	1	
19	Supervisor	0	
<b>IT</b>			
20	IT Officer	2	
<b>Planning &amp; Billing</b>			
21	Mr. Manmohan Singh Yadav (Manager)	1	
22	Miss Nidhi Verma (Sr. Engineer)	1	
23	Engineer	3	
24	GET/Assistant	3	
<b>Finance &amp; Accounts</b>			
25	Mr. Naresh (Deputy Manager)	1	
26	Mr. Vikash Pandey (Sr. Executives)	0	
<b>HR &amp; Admin</b>			
27	Mr Dharmendar (Manager Liasioning)		
28	Officer	1	
29	Supervisor	1	

<b>Store &amp; Inventory</b>			
30	Mr. Lal Babu Giri (Manager)	1	
31	Executives/Jr. Executives	13	
<b>Plant &amp; Equipment</b>			
32	Mr. Krutibasa Sahoo (Manager)	1	
33	Senior Engineer	1	
34	Engineer	1	
35	Supervisor	2	
36	Foreman/Mechanic/Electrician/GET	10	
<b>Total</b>		<b>99</b>	

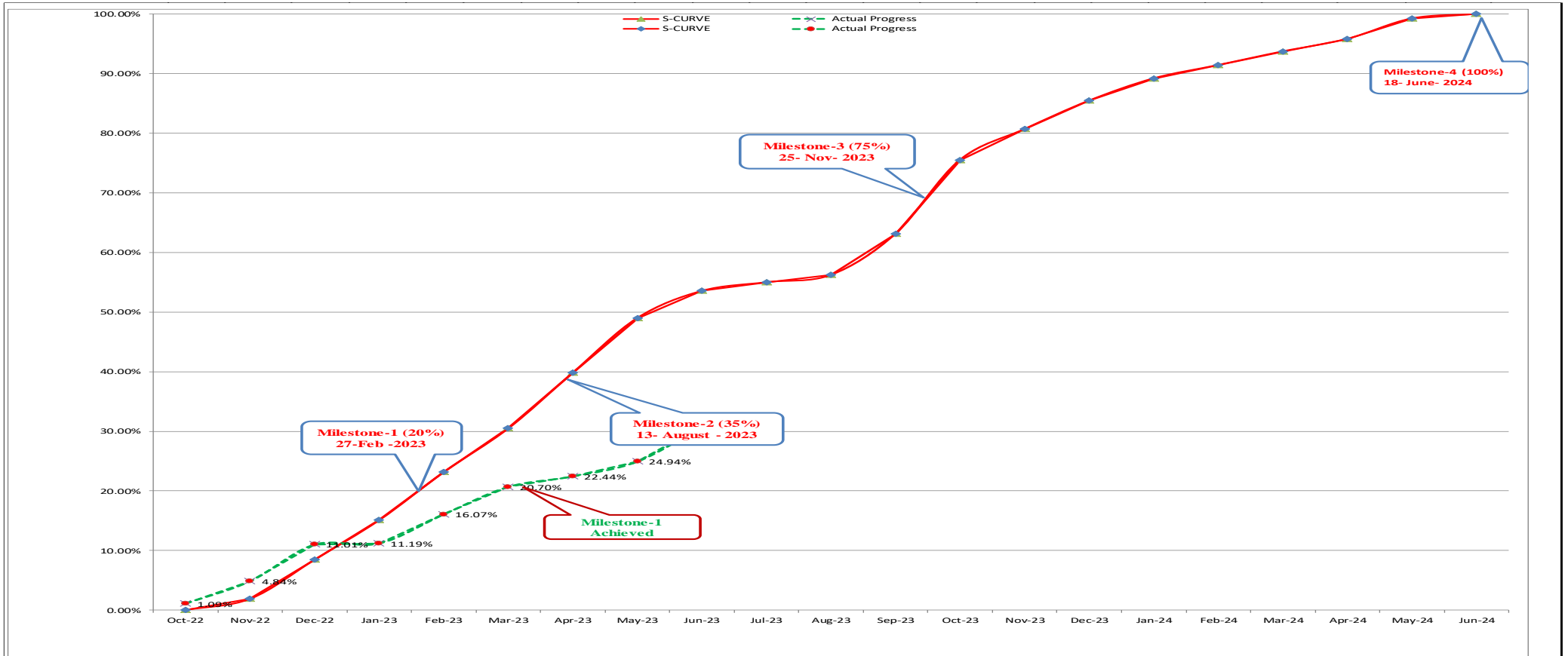
### 9. HIGHWAY STRIP CHART

**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
<b>Target For the Month</b>	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%
<b>Cumulative Target</b>	<b>0.00%</b>	<b>1.89%</b>	<b>8.46%</b>	<b>15.09%</b>	<b>23.15%</b>	<b>30.48%</b>	<b>39.82%</b>	<b>48.99%</b>	<b>53.55%</b>	<b>55.00%</b>	<b>56.23%</b>	<b>63.15%</b>	<b>75.52%</b>	<b>80.70%</b>	<b>85.47%</b>	<b>89.20%</b>	<b>91.44%</b>	<b>93.73%</b>	<b>95.82%</b>	<b>99.25%</b>	<b>100.00%</b>
<b>Porgress For the Month</b>	1.09%	3.75%	6.17%	0.18%	4.88%	4.63%	1.74%	2.50%	5.94%												
<b>Cumulative Progress</b>	<b>1.09%</b>	<b>4.84%</b>	<b>11.01%</b>	<b>11.19%</b>	<b>16.07%</b>	<b>20.70%</b>	<b>22.44%</b>	<b>24.94%</b>	<b>30.88%</b>												

### 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
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							
			Super Str	Sub Str	Foundation	PCC				Excavation	Excavation	PCC	Foundation	Sub Str	Super Str	Return/Retaining wall	Misc work
1							104+853	104+853	LVUP								
2							114+916	114+916	LVUP								
3							126+828	126+828	LVUP								

(D) SVUP

SI No.	Misc work	Return/Retaining wall	LHS				P&P Chainage	Chainage as per Schedule-B	Type of Structure	RHS							
			Super Str	Sub Str	Foundation	PCC				Excavation	Excavation	PCC	Foundation	Sub Str	Super Str	Return/Retaining wall	Misc work
1							110+841	110+841	SVUP								
2							119+903	119+903	SVUP								
3							125+705	125+705	SVUP								

(E) VUP

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

## 12. PROGRESS REPORT

- HIGHWAYS:-**

SI No	Description	Total (Km)	Completed (Km)	Balance (Km)	% Of Completion
1	Sub-grade	88.362	66.92	21.442	75.73%
2	GSB	88.362	25.21	63.152	28.53%
3	AI (WMM)	88.362	15.05	73.312	17.03%
4	DBM	88.362	12.72	75.642	14.40%
5	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	122	10	58
2	MNB	32	9	15	8
3	SVUP	3	2	1	0
4	LVUP	3	1	1	0
5	VUP	2	0	1	0

- CONSTRUCTION PROGRESS IN CURRENT MONTH:-**

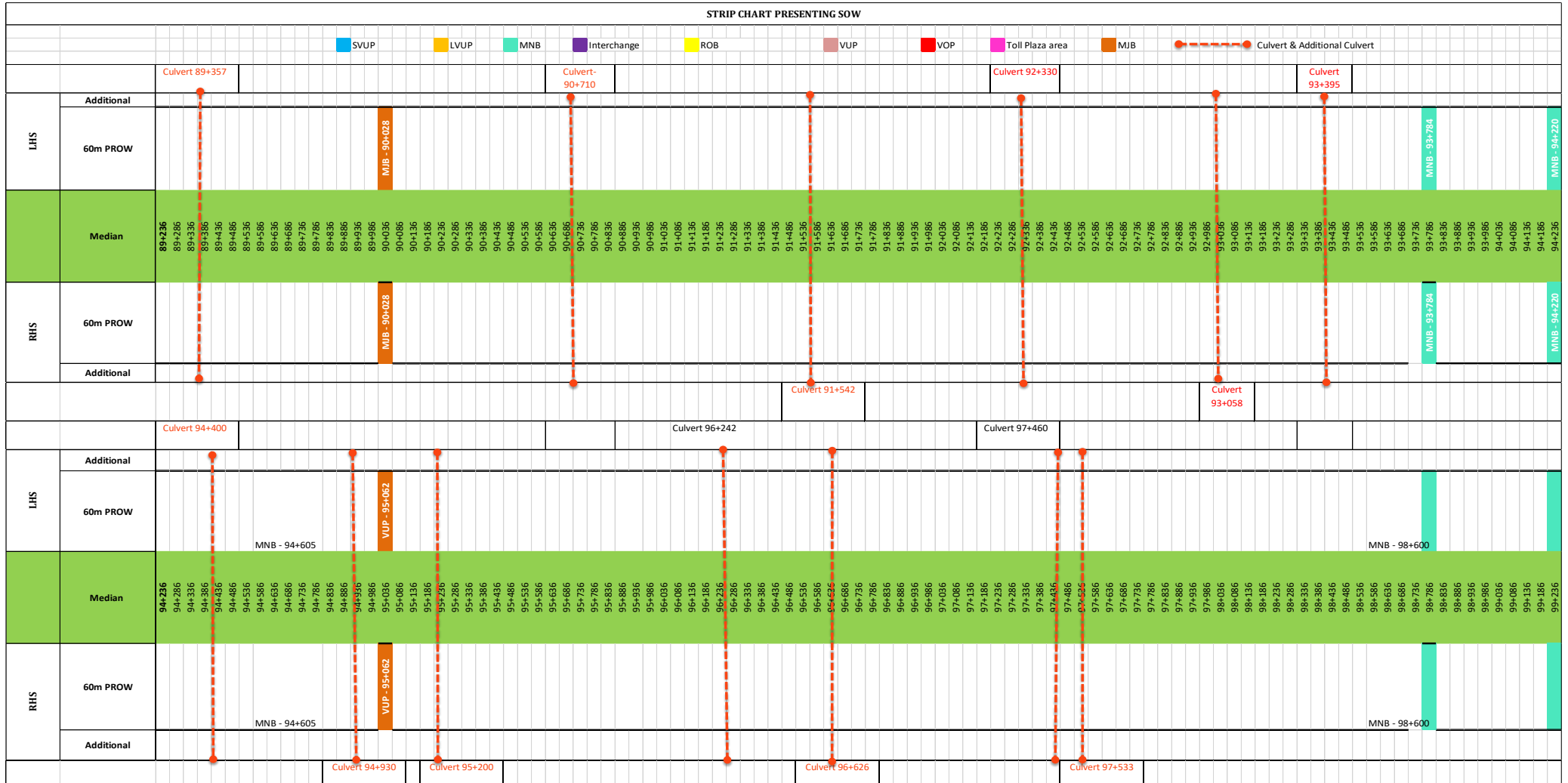
SI No	Description	Up to previous month as per Schedule	Up to previous month Achieved	This month as per Schedule	This month Achieved	Cumulative as per Schedule	Cumulative Achieved
1	Physical Progress	49.00%	24.944%	4.56%	5.94%	53.55%	30.88%
2	Financial Progress (Certified IPC)	49.00%	24.944%	4.56%	5.94%	53.55%	30.88%
3	Expenditure (In Cr)	293.02	149.16	27.26	35.52	320.22	184.66

- Current Issues & recommended action by IE:-**

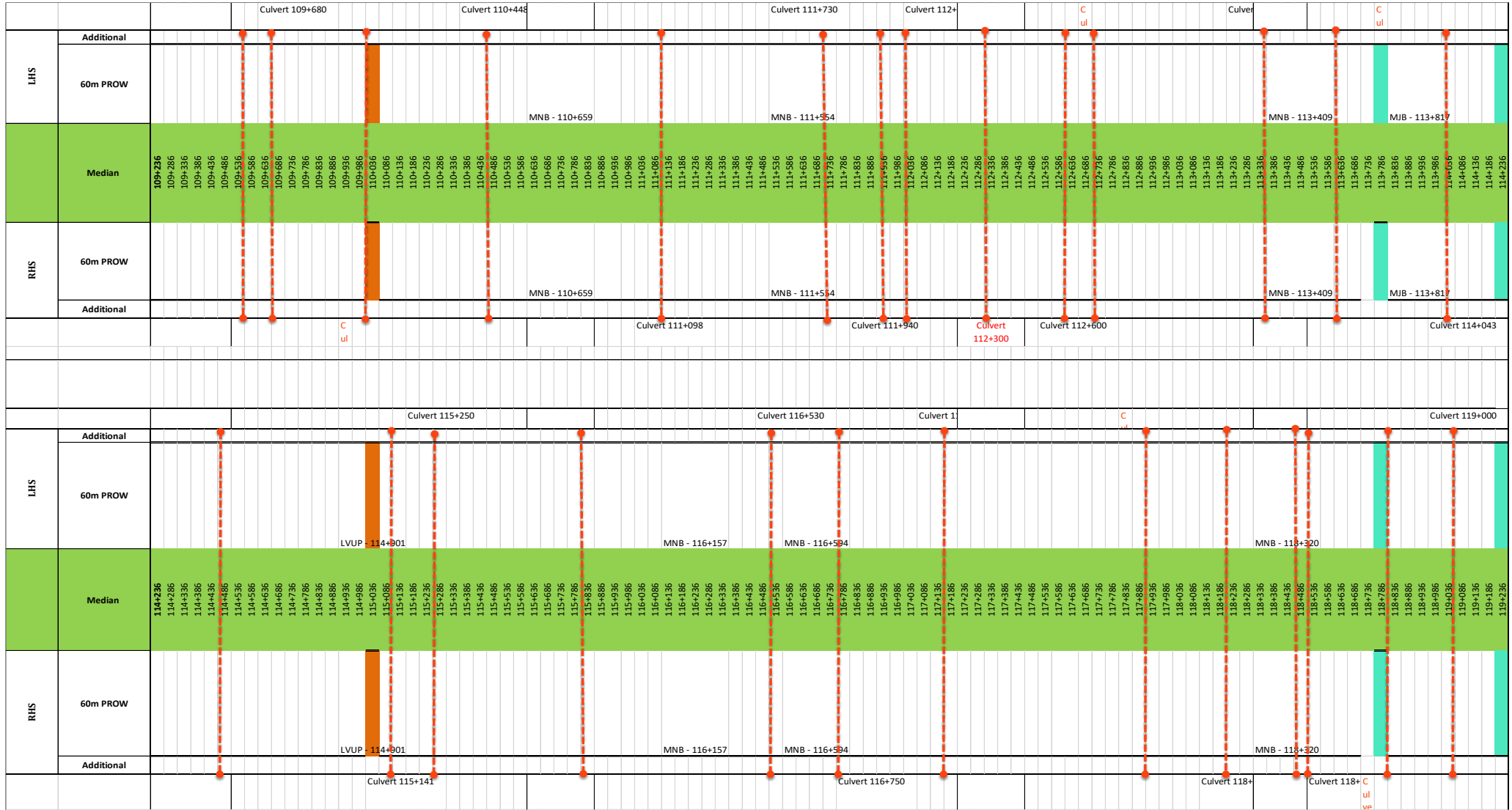
**Issues: -**

1. ROB Land Acquisition Pending

• Detailed Strip Plan:-



		Culvert 100+754		Culvert 101+890		Culvert 101+090		Culvert 101+750		Culvert 103+610		Culvert 104+050									
LHS	Additional																				
	60m PROW																				
Median		MNB - 99+236	MNB - 99+345	MNB - 99+592	MNB - 100+000	MNB - 101+000	MNB - 100+090	MNB - 100+736	MNB - 101+836	MNB - 101+886	MNB - 103+236	MNB - 104+086	MNB - 104+236								
RHS	60m PROW																				
	Additional																				
LHS	Additional																				
	60m PROW																				
Median		MNB - 104+236	MNB - 104+251	LVUP - 104+650	MNB - 105+097	MNB - 105+580	MNB - 106+336	MNB - 106+686	MNB - 107+036	MNB - 107+136	MNB - 107+186	MNB - 107+929	MNB - 108+747	MNB - 108+836	MNB - 108+886	MNB - 108+936	MNB - 109+036	MNB - 109+086	MNB - 109+136	MNB - 109+236	
RHS	60m PROW																				
	Additional																				



		Culvert 120+159										Culvert 120+400										Culvert 121+230										122+007										Culvert 122+500										Culvert 123+420										Culvert 123+950																																																											
LHS	Additional																																																																																																																								
	60m PROW																																																																																																																								
Median	MNB - 119+346																				MNB - 11 SVUP - 119+903																				MNB - 120+6																				MNB - 121+620																				MNB - 123+020																																								
RHS	60m PROW																																																																																																																								
	Additional																																																																																																																								
		Culvert 121+017										Culvert 121+311																														Culvert										Culvert																																																																					
		Culvert 124+085																				Culvert 126+170										Culvert 126+561																				Culvert										Culvert																																																											
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																				SVUP - 12																				ROB - 127+207																				LVI																			
		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																																																		
	129+286																																																		
RHS	60m PROW																																																		
	Additional																																																		
		Culvert 130+400										Culvert 131+343										Culvert 132+										Culvert 133+																			
		Culvert 135+180										Culvert 135+280																																							
LHS	Additional																																																		
	60m PROW																																																		
Median	134+236																																																		
	134+286																																																		
RHS	60m PROW																																																		
	Additional																																																		

### 13. LAND ACQUISITION AND CILEARENCE

Description	Land (Km)	Remark
Total Land Required	46.115	
Available Land Till 30.06.2023 (LHS)	43.795	
Available Land Till 30.06.2023 (RHS)	43.795	
Unavailable Land Till 30.06.2023 (LHS)	2.32	
Unavailable Land Till 30.06.2023 (RHS)	2.32	

Sr.No	From	To	Length	Remarks
1	101+200	101+250	100	Work Stopped
2	107+500	107+600	200	Work Stopped
3	109+200	109+290	90	Work Stopped
4	109+290	109+310	20	Work Stopped
5	111+000	111+050	50	Work Stopped
6	112+270	112+340	140	Work Stopped
7	112+820	113+350	1060	Work Stopped
8	113+700	113+730	60	Work Stopped
9	116+800	116+850	100	Work Stopped
10	120+530	120+570	40	Work Stopped
11	121+990	122+050	60	Work Stopped
12	122+180	122+190	20	Work Stopped
13	122+200	122+230	30	Work Stopped
14	122+290	122+310	20	Work Stopped
15	126+030	126+090	60	Work Stopped
16	126+100	126+130	30	Work Stopped
17	129+300	129+540	240	Work Stopped
<b>Total Length</b>			<b>2.32</b>	<b>Km</b>

## 14. PHYSICAL PROGRESS

PHYSICAL PROGRESS AS ON 30-06-2023						
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) GSB	L-Km	88.362	5.700%	25.21	1.63%	
(b) Geogrid/ Geosynthetic Material for Pavement Stabilization	L-Km					
(c)WMM	L-Km	88.362	3.430%	15.05	0.58%	
(3) Shoulders	L-Km	88.362	0.060%		0.00%	
(4) Bituminous work						
(a) DBM	L-Km	88.362	6.390%	12.72	0.92%	
(b) BC	L-Km	88.362	4.540%		0.00%	
<b>C- New culverts, minor bridges, underpasses, over passes on existing road, realignments, bypasses:</b>						
(1) Culverts	No.	190.00	7.810%	122	5.01%	
<b>(2) Minor bridges</b>						
(a) Foundation	No.	32.00	5.52%	24.00	4.14%	
(b) Sub-structure	No.	32.00	4.80%	20.00	3.00%	
(c) Super-structure (including crash barriers etc. complete	No.	32.00	4.81%	9	1.35%	
<b>(5) Grade separated structures (a) Underpasses</b>						
(i) Foundation	No.	8.00	0.050%	5.00	0.03%	
(ii) Sub-structure	No.	8.00	1.740%	4.00	0.87%	
(iii) Super-structure (including crash barriers etc. Complete)	No.	8.00	0.170%	3.00	0.06%	
<b>C- New Major Bridges</b>						
(1) Foundation	No.	2.00	1.510%		0.00%	
(2) Sub-structure	No.	2.00	0.420%		0.00%	
(3) Super-structure (including crash barriers etc.complete	No.	2.00	1.440%		0.00%	
<b>D - New rail-road bridges (a) ROB</b>						
(1) Foundation	No.	1.00	0.570%		0.00%	
(2) Sub-structure	No.	1.00	0.330%		0.00%	
(3) Super-structure (including crash barriers etc.complete		1.00				
(i) Casting of Pre Cast Girder (40%)	No.	1.00	0.588%		0.00%	
(ii) Remaining work of Super Structure including crash barriers etc. (60%)	No.	1.00	0.882%		0.00%	

<b>(4) Reinforced Earth Wall (Includes Approaches of ROB, Underpasses, Overpasses, Flyover etc.)</b>	Sqm.	31,412.00	6.350%		0.00%	
<b>Other Works</b>						
(i) Service roads/ Slip Roads	Km.	2,708.00	0.850%		0.00%	
(ii) (a) Main Toll Plaza	No.	1.00	1.550%		0.00%	
(ii) (b) Toll Plaza on Entry & Exit Ramp	No.	4.00	2.940%		0.00%	
(iii) Road Side Drain (Unlined)	Km.	88.90	0.340%		0.00%	
<b>Safety Devise</b>						
(iv) (a) Road signs, marking, Km stones etc.	Km.	88.90	1.940%		0.00%	
(iv) (b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work	Km.	151.50	9.490%		0.00%	
(iv) (c) Steel Railing	Km.	5.57	0.080%		0.00%	
(v) (a) Bus Shelter	No.	4.00	0.020%		0.00%	
(v) (c) Rest areas	No.	1.00	0.920%		0.00%	
(v) (d) Electrification	Km.	46.10	0.510%		0.00%	
(v) (e) Toilet Block	No.	22.00	0.210%		0.00%	
(vii) Road side plantation	No.	36,880.00	0.840%		0.00%	
(viii) (a) Boulder Pitching on slopes	Km.	0.83	0.150%		0.00%	
(viii) (b) Toe Wall/Retaining wall	Km.	2.60	0.110%		0.00%	
(viii) (c) River Training Work	Km.	0.83	0.160%		0.00%	
(x) (c) Connecting Road	Km.	3.30	0.430%		0.00%	
(x) (d) Tree Cutting	Km.	88.90	0.020%	78.41	0.02%	
(x) (e) (a) Major Junction	No.	2.00	0.220%		0.00%	
(x) (e) (b) Major 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) (ii) Utility Shifting	Km.	46.10	3.750%	18	1.46%	
<b>Upto date Physical Progress=</b>					<b>30.888%</b>	
<b>Since Previous Progress=</b>					<b>24.944%</b>	
<b>This Month Progress=</b>					<b>5.94%</b>	



## 15. CORRESPONDENCE

### • Details of Incoming Letters - IE

Sr. No.	Letter No.	Date	Description
1	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/550/U-G-3	03.06.2023	Submission of IE's Monthly Progress Report (MPR)-09 FOR THE MONTH OF May 2023
2	LNMIPPL/AR/Ujjain-Garoth/2023-24/2009/U-G-3	05.06.2023	Review of Design & Drawing of LVUP at KM 109+670
3	LNMIPPL/AR/Ujjain-Garoth/2023-24/2011/U-G-3	05.06.2023	Review of Design & Drawing of Box Culvert at KM 100+750
4	LNMIPPL/AR/Ujjain-Garoth/2023-24/2012/U-G-3	05.06.2023	Review of Design & Drawing of VUP at KM 113+600
5	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/551/U-G-3	05.06.2023	Regarding at chainage- 113+818 Major Bridge Excavation and PCC work not as per CA
6	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/554/U-G-3	05.06.2023	CM Helpline Complaint No.22355721 Dated 25.05.2023
7	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/556/U-G-3	07.06.2023	Demad of additional structure at ch. 109+650 for road connecting Suwasra to runija
8	152/LNM/IND/NHAI/Design/UG-I,II,III/2023-2024	12.06.2023	review and recommendations of Median Openings UG Pkg1,2&3
9	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/567/U-G-3	13.06.2023	Reg. Joint Survey of Electrical Utility Lines
10	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/572/U-G-3	17.06.2023	At ch. 125+440 (Minor Bridge) Inpropoer M-35 grade concrete of raft, lot of cracks developed on raft surface
11	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/573/U-G-4	17.06.2023	At ch. 93+784 (Minor Bridge) improper pouring of M-35 grade concrete of abutment wall, due to shuttering failure
12	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/575/U-G-4	19.06.2023	Approval of Borrow Area No. -28
13	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/589/U-G-4	23.06.2023	Regarding: - Monthly Joint Site Inspection for the Month of June 2023 as per Clause 13.2, Article 13 of the Concession Agreement
14	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/590/U-G-5	23.06.2023	Borrow Areas
15	0182/LNM/IND/NHAI/Design/UG-III/2023-2024	24.06.2023	Reg. Review of Compliances for Design and Drawing of Toilet Blocks
16	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/594/U-G-5	26.06.2023	Observation on Revised/Modified Schedule-G

17	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/598/U-G-5	27.06.2023	Reg. The approval of Mix design of WMM
18	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/599/U-G-5	27.06.2023	Reg. The approval of Mix design of GSB

• **Details of Incoming Letters – NHAI**

Sr. No.	Letter No.	Date	Description
1	NHAI/RO-MP/Azadi ka amrit Mahotsav /2023	13.06.2023	Action to be taken on guidelines for Plantation to mark "Azadi ka Amrit Mahotsav"
2	NHAI/PIU/Ujjain/UG-III/Data Lake /2023/1078	16.06.2023	Updation of Detail regarding use of utilized New /Alternate Material /Technology on Data Lake portal
3	NHAI/PIU/Ujjain/UG-III/ROB/2023/1083	20.06.2023	Test pile at ROB location design Ch. 127+207 (Railway Ch. 790+19-21)
4	NHAI/PIU/Ujjain/UG-III/BG/2023/1092 NHAI/PIU/Ujjain/UG-III/JVVNL /2023/1093	20.06.2023 20.06.2023	Release of Bank Guarantees Deposition of Supervision Charges for shifting of Electrical utility
5	NHAI/PIU/Ujjain/UB/UJBA/Gen./2023/1143	22.06.2023	Compliance on Minutes of Meeting held at RO/MP(W), NHAI Bhopal on dated 15.06.2023
6	NHAI/PIU/Ujjain/UG-III/MPPKVVCL/2023/1153	23.06.2023	Issuing of Work Order and Return of Excess Amount Deposited of Rs. 6,97,013/- - Reg.
7	NHAI/PIU/Ujjain/UG-III/2023/1156	23.06.2023	Regarding Site Inspection dated 22.06.2023
8	NHAI/PIU/Ujjain/UG-III/IE/2023/1159	23.06.2023	Well filling Methodology
9	NHAI/PIU/Ujjain/Road Safety/2023/1167	23.06.2023	Status of Compliance of Road Safety Audit Observation
10	NHAI/PIU/Ujjain/UG-III/2023/1189	27.06.2023	सड़क के निर्माण कार्य में खनिजों की जारी अस्थाइ अनुज्ञा क्षेत्रों में तार फैसिंग करने के संबंध में।

• **Details of Outgoing Letters**

Sr. No.	Letter No.	Date	Description
1	MKC UGMH Pvt.Ltd./2023-24/282	01.06.2023	Review of Design & Drawing of LVUP at Km 109+670.
2	MKC UGMH Pvt.Ltd./2023-24/283	01.06.2023	Review of Design & Drawing of Box Culvert at Km 100+750.
3	MKC UGMH Pvt.Ltd./2023-24/284	01.06.2023	Regarding Slow Progress.
4	MKC UGMH Pvt.Ltd./2023-24/285	01.06.2023	Regarding Slow Progress.
5	MKC UGMH Pvt.Ltd./2023-24/286	02.06.2023	Submission of Monthly Progress Report. May-2023
6	MKC UGMH Pvt.Ltd./2023-24/287	09.06.2023	Submission of Drone Videography.
7	MKC UGMH Pvt.Ltd./2023-24/288	09.06.2023	Regarding Test Pile at ROB
8	MKC UGMH Pvt.Ltd./2023-24/289	12.06.2023	Regarding Joint Survey of Electrical Utility Lines.
9	MKC UGMH Pvt.Ltd./2023-24/290	12.06.2023	Submission of Borrow Area Test Result for Approval
10	MKC UGMH Pvt.Ltd./2023-24/292	13.06.2023	Regarding Deposit of Supervision Charge for Electrical Utility.
11	MKC UGMH Pvt.Ltd./2023-24/293	17.06.2023	Submission of Borrow Area Test Result for Approval.
12	MKC UGMH Pvt.Ltd./2023-24/294	18.06.2023	Submission Compliance of observation on Design & Drawing of Toilets Blocks
13	MKC UGMH Pvt.Ltd./2023-24/295	18.06.2023	Regarding Design & Drawings of MNB at Ch. 100+600 & Ch. 120+663 (1)
14	MKC UGMH Pvt.Ltd./2023-24/296	19.06.2023	Submission of Revised/Modified Schedule-G.
15	MKC UGMH Pvt.Ltd./2023-24/297	19.06.2023	Regarding Test Pile at ROB Location.
16	MKC UGMH Pvt.Ltd./2023-24/298	21.06.2023	Regarding Submission of Compliance of Draft Construction Stage Audit Report-1
17	MKC UGMH Pvt.Ltd./2023-24/300	21.06.2023	Regarding Submission of Compliance of Draft Design Stage Audit Report - 1
18	MKC UGMH Pvt.Ltd./2023-24/301	21.06.2023	Reimbursement of 50% of IE Remuneration for the month of from Sep 2022 to Mach 2023
19	MKC UGMH Pvt.Ltd./2023-24/302	22.06.2023	Regarding Blasting in Structure Foundation
20	MKC UGMH Pvt.Ltd./2023-24/303	23.06.2023	Regarding Site Inspection dated 22.06.2023
21	MKC UGMH Pvt.Ltd./2023-24/304	26.06.2023	Submission of GSB Mix Design.
22	MKC UGMH Pvt.Ltd./2023-24/305	26.06.2023	Submission of WMM Mix Design.
23	MKC UGMH Pvt.Ltd./2023-24/306	26.06.2023	Submission of Concrete Mix Design.
24	MKC UGMH Pvt.Ltd./2023-24/309	29.06.2023	Submission of 4th payment milestone certificate 01.04.2023 to 28.06.2023

## 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					Pending	
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					Pending	
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					Pending	

### 17. WEATHER REPORT

Weather Report for the Month of June-2023										
SL. NO.	DATE	TEMPERATURE °c		REL. HUMIDITY %		WEATHER	RAIN FALL (mm)	CUMM. RAIN FALL (mm)	REMARKS	
		MIN.	MAX.	MIN.	MAX.					
1	01.06.2023	26.1	38.3	64	69	sunny	--	--		
2	02.06.2023	24.2	39.5	63	71	sunny	---	--		
3	03.06.2023	27.5	41.2	62	72	Rainy	1	1		
4	04.06.2023	26.1	40.8	60	72	sunny	--	--		
5	05.06.2023	27.9	39.8	61	75	sunny	---	--		
6	06.06.2023	27.1	40.5	60	71	Rainy	6	7		
7	07.06.2023	28.2	41.3	63	75	sunny	---	--		
8	08.06.2023	26.7	39.9	64	72	Rainy	4	11		
9	09.06.2023	25.3	37.1	63	71	sunny	--	--		
10	10.06.2023	26.9	40.2	65	70	sunny	--	--		
11	11.06.2023	27.3	39.8	64	73	sunny	---	--		
12	12.06.2023	29.3	41.5	63	70	sunny	---	--		
13	13.06.2023	28.2	40.1	64	72	sunny	---	--		
14	14.06.2023	27.3	39.6	64	70	sunny	---	--		
15	15.06.2023	26.9	39.0	64	74	sunny	--	--		
16	16.06.2023	25.3	37.8	62	70	Rainy	5	16		
17	17.06.2023	25.6	36.8	62	74	Rainy	6	22		
18	18.06.2023	25.6	36.2	66	72	Rainy	3	25		
19	19.06.2023	26.2	40.8	65	75	sunny	--	--		
20	20.06.2023	24.8	36.8	62	71	Rainy	3	28		
21	21.06.2023	25.2	37.9	63	72	sunny	--	--		
22	22.06.2023	24.7	36.7	61	70	Rainy	5	32		
23	23.06.2023	23.8	35.4	61	72	Rainy	7	39		
24	24.06.2023	22.1	36.4	61	73	sunny	--	--		
25	25.06.2023	22.9	35.3	62	72	Rainy	3	42		
26	26.06.2023	20.1	34.8	64	73	Rainy	26	68		
27	27.06.2023	19.8	32.8	64	70	Rainy	22	90		
28	28.06.2023	19.1	33.4	64	71	Rainy	4	94		
29	29.06.2023	21.9	34.5	63	70	Rainy	2	96		
30	30.06.2023	19.6	33.1	64	72	Rainy	15	111		
<b>Rain Fall (in mm)</b>						<b>This Month</b>		<b>111</b>		

### 18. QC REPORTS

#### Quality Control Test Report for JUNE -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 NHA 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
<b>1.0 OGL samples</b>				<b>MORTH-900</b>															
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
<b>2.0 Borrow Area Samples</b>				<b>MORTH-900</b>															
2.1	Free Swell Index (FSI)	IS : 2720 (P- 40)	2 tests / 3000 m <sup>3</sup>	1686	1686	0	238	238	0	1924	1924	0	273	45	318	19	42	0	42
2.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000 m <sup>3</sup>	1686	1686	0	238	238	0	1924	1924	0	273	45	318	19	42	0	42
2.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000 m <sup>3</sup>	1686	1686	0	238	238	0	1924	1924	0	273	45	318	19	42	0	42
2.4	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	2 tests / 3000 m <sup>3</sup>	1686	1686	0	238	238	0	1924	1924	0	273	45	318	19	42	0	42
2.5	4 days soaked CBR	IS : 2720 (P- 16)	1 test / 3000 m <sup>3</sup>	835	835	0	228	228	0	1063	1063	0	136	44	180	19	42	0	42
2.6	Soluble sulphate content	BS : 1337	1 test / per source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>3.0 Field Density Tests</b>				<b>MORTH-900</b>															
3.1	Field density test on OGL	IS : 2720 (P- 28)	1 set of tests / 3000 m <sup>3</sup>	13382	13382	0	0	0	0	13382	13382	0	2594	0	2594	0	0	0	0
3.2	Field density test on Emb.	IS : 2720 (P- 28)	1 set of tests / 3000 m <sup>3</sup>	20249	20242	7	250	250	0	20499	20492	7	3785	48	3833	19	0	0	0
3.3	Field density test on Subgrade	IS : 2720 (P- 28)	1 set of tests / 2000 m <sup>2</sup>	6291	6291	0	306	306	0	6597	6597	0	1197	67	1264	22	0	0	0
3.4	Field density test on GSB	"	1 test / 1000 m <sup>2</sup>	446	446	0	168	168	0	614	614	0	87	32	119	19	0	0	0
3.5	Field density test on WMM	"	1 set of three / 1000 m <sup>2</sup>	161	161	0	131	131	0	292	292	0	31	28	59	21	0	0	0
3.6	Field density test on Earthen Shoulder	"	1 set of tests / 2000 m <sup>2</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.7	Field density test on Backfilling	"	1 set of 2 test / 500 m <sup>2</sup>	1194	1190	4	507	507	0	1701	1697	4	225	92	317	18	0	0	0
3.8	Field density test on DLC	"	1 set of tests / 2000 m <sup>2</sup>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.0 Coarse Agg. for Concrete																			
4.1	Gradation	IS : 2386 (P-1)	1 test / day	190	190	0	30	30	0	220	220	0	38	6	44	20	0	0	0
4.2	Flakiness Index	IS : 2386 (P-1)	Weekly	31	31	0	5	5	0	36	36	0	8	1	9	20	0	0	0
4.3	Aggregate Impact Value	IS : 2386 (P-4)	Weekly	31	31	0	5	5	0	36	36	0	8	1	9	20	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	190	190	0	30	30	0	220	220	0	38	6	44	20	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	190	190	0	30	30	0	220	220	0	38	6	44	20	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	36	36	0	5	5	0	41	41	0	7	1	8	20	0	0	0
5.5	Moisture correction	IS : 2386 (P-3)	Per Day	190	190	0	30	30	0	220	220	0	38	6	44	20	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



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6.0 Concrete Cube Compressive strength tests																			
<b>For M 10 Grade</b>																			
6.1	for 7 days	IS : 516	for 7 days	113	113	0	36	36	0	149	149	0	35	7	42	19	0	0	0
6.2	for 28 days	IS : 516	for 28 days	227	227	0	209	209	0	436	436	0	43	40	83	19	0	0	0
<b>For M 15 Grade</b>																			
6.3	for 7 days	IS : 516	for 7 days	25	25	0	0	0	0	25	25	0	16	0	16	0	0	0	0
6.4	for 28 days	IS : 516	for 28 days	25	25	0	0	0	0	25	25	0	17	0	17	0	0	0	0
<b>For M 20</b>																			
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
<b>For M 25 Grade</b>																			
6.7	for 7 days	IS : 516	for 7 days	202	202	0	30	30	0	232	232	0	46	6	52	20	0	0	0
6.8	for 28 days	IS : 516	for 28 days	490	490	0	90	90	0	580	580	0	73	18	91	20	0	0	0
<b>For M 30 Grade</b>																			
6.9	for 7 days	IS : 516	for 7 days	15	15	0	28	28	0	43	43	0	15	5	20	18	0	0	0
6.10	for 28 days	IS : 516	for 28 days	18	18	0	0	0	0	18	18	0	18	0	18	0	0	0	0
<b>For M 35 Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	54	54	0	83	83	0	137	137	0	27	17	44	20	0	0	0
6.12	for 28 days	IS : 516	for 28 days	95	95	0	209	209	0	304	304	0	57	42	99	20	0	0	0
<b>For M 35 (Pile) Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	3	3	0	0	0	0	3	3	0	3	0	3	0	0	0	0
6.12	for 28 days	IS : 516	for 28 days	3	3	0	0	0	0	3	3	0	3	0	3	0	0	0	0
<b>For M 35 (RE-BLOCK) Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	3	3	0	3	3	0	6	6	0	3	0	3	0	0	0	0
6.12	for 28 days	IS : 516	for 28 days	3	3	0	3	3	0	6	6	0	3	0	3	0	0	0	0
<b>For M 40 Grade</b>																			
6.12	for 7 days	IS : 516	for 7 days	18	18	0	0	0	0	18	18	0	18	0	18	0	0	0	0
6.13	for 28 days	IS : 516	for 28 days	18	18	0	0	0	0	18	18	0	18	0	18	0	0	0	0
<b>For M 45 Grade</b>																			
6.14	for 7 days	IS : 516	for 7 days	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.15	for 28 days	IS : 516	for 28 days	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>7.0 Cement Tests</b>																			
<b>MORTH 1000</b>																			
7.1	Fineness of cement	IS : 4031 (P-1)	1 test / lot of cement	29	29	0	5	5	0	34	34	0	9	1	10	20	0	0	0
7.2	Normal consistency	IS : 4031 (P-4)	1 test / lot of cement	29	29	0	5	5	0	34	34	0	9	1	10	20	0	0	0
7.3	Initial, final setting times	IS : 4031 (P-5)	1 test / lot of cement	29	29	0	5	5	0	34	34	0	9	1	10	20	0	0	0
7.4	Soundness	IS : 4031 (P-3)	1 test / lot of cement	29	29	0	5	5	0	34	34	0	9	1	10	20	0	0	0
7.5	Compressive strength - 3 days	IS : 4031 (P-6)	for 3 days	27	27	0	3	15	0	30	42	0	7	1	8	33	0	0	0
	- 7 days	"	for 7 days	28	28	0	4	12	0	32	40	0	7	1	8	25	0	0	0
	- 28 days	"	for 28 days	27	27	0	4	12	0	31	39	0	7	1	8	25	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



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<b>9.0 Steel</b>		<b>MORTH 1000</b>																	
9.1	Physical Properties	IS : 1786		6	6	0	3	3	0	9	9	0	6	1	7	33	0	0	0
<b>11.0 Water</b>		<b>MORTH 1000</b>																	
11.1	Suitability for Construction	IS : 456		1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
<b>12.0 Admixture</b>		<b>MORTH 1000</b>																	
12.1	Suitability for Concrete	IS : 9103		3	3	0	0	0	0	3	3	0	3	0	3	0	0	0	0
<b>13.0 SUB-BASE (GSB)</b>		<b>MORTH 401</b>																	
13.1	Gradation	Table 400-2 (Grading-V)	1 Test /400 cu.m.	131	131	0	75	75	0	206	206	0	27	16	43	21	0	0	0
13.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 Test /400 cu.m.	127	127	0	75	75	0	202	202	0	23	16	39	21	0	0	0
13.3	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	Test/Source	1	1	0	1	1	0	2	2	0	1	0	1	0	0	0	0
13.4	4 days soaked CBR	IS : 2720 (P- 16)	Test/Source	1	1	0	1	1	0	2	2	0	1	0	1	0	0	0	0
13.5	Water Absorption	IS : 2720 (P-3)	Test/Source	1	1	0	1	1	0	2	2	0	1	0	1	0	0	0	0
13.6	A.I.V	IS : 2386 (P-4)	As Required	6	6	0	1	1	0	7	7	0	2	1	3	0	0	0	0
<b>14.0 SUB-BASE / BASE (WMM)</b>		<b>MORTH 406</b>																	
14.1	Gradation	Table 400-12	1 test / 200 m <sup>3</sup>	130	130	0	43	43	0	173	173	0	29	8	37	19	0	0	
14.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 test / 200 m <sup>3</sup>	130	130	0	43	43	0	173	173	0	28	8	36	19	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	
14.4	A.I.V	IS : 2386 (P-4)	1 test / 1000 m <sup>3</sup>	27	27	0	27	27	0	54	54	0	6	5	11	19	0	0	
14.5	FI & EI	IS : 2386 (P-1)	1 test / 500 m <sup>3</sup>	32	32	0	35	35	0	67	67	0	7	8	15	23	0	0	
14.6	Water Absorption	IS : 2386 (P-3)	Test/Source	1	1	0	0	0	0	1	1	0	1	1	2	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	
<b>15. Bitumen VG-40</b>																			
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	
15.2	Softening Point(°C)	IS : 1205	1 test per Lot	11	11	0	14	14	0	25	25	0	4	3	7	21	0	0	
15.3	Penetration at 25°C 100gm 5	IS : 1203	1 test per Lot	11	11	0	14	14	0	25	25	0	4	3	7	21	0	0	
15.4	Ductility at 27°C	IS : 1208	1 test per Lot	11	11	0	14	14	0	25	25	0	4	3	7	21	0	0	
15.5	Viscosity at 60°C/135°C (CST)	IS : 1206	As required	11	11	0	14	14	0	25	25	0	4	3	7	21	0	0	
15.6	Absolute viscosity		As required	11	11	0	14	14	0	25	25	0	4	3	7	21	0	0	





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<b>16. Emulsion</b>		<b>MORTH 503</b>																	
16.1	RS 1 (Tack coat)	IS : 8887	Per Lot	2	2	0	0	0	0	2	2	0	2	0	2	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	
<b>17.0 RATE OF SPRAY</b>		<b>MORTH 503</b>																	
17.1	Prime coat	As per MORTH	3 test / day	5	5	0	36	36	0	41	41	0	1	8	9	22	0	0	
17.2	Tack Coat	As per MORTH	3 test / day	5	5	0	36	36	0	41	41	0	1	8	9	22	0	0	
<b>18.0 DENSE BITUMINOUS MACADAM GRADING- 2</b>		<b>MORTH 505</b>																	
18.1	Binder Content	As per MORTH	1 test / 400 Tonne Mix	19	19	0	19	19	0	38	38	0	4	4	8	21	0	0	
18.2	Combined Gradation	As per MORTH	1 test / 400 Tonne Mix	25	25	0	19	19	0	44	44	0	10	4	14	21	0	0	
18.3	Marshall Test (in Sets)	ASTM D 1559	1 test / 400 Tonne Mix	26	26	0	57	57	0	83	83	0	9	9	9	16	0	0	
18.4	A.I.V	IS : 2386 (P-4)	1 test / 350 m <sup>3</sup> of Agg.	9	9	0	12	12	0	21	21	0	2	2	4	17	0	0	
18.5	FI & EI	IS : 2386 (P-1)	1 test / 350 m <sup>3</sup> of Agg.	9	9	0	12	12	0	21	21	0	2	2	4	17	0	0	
18.6	Water Absorption & Specific	IS : 2386 (P-3)	Test/Source	4	4	0	0	0	0	0	0	0	4	0	4	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	
18.8	Core Density Test	As Per Morth	1 test / 700 sqm.	82	82	0	61	61	0	143	143	0	24	15	39	25	1	26	
<b>Total</b>				53370	53359	11	4026	4054	0	57392	57409	11	10241	791	11023		262	0	262

Total Tests Conducted this Month	4026
Total Tests Witnessed by IE's this Month	791
Total Test Witnessed by IE's in % this Month	<b>19.65%</b>

Total Tests Conducted this Month	4026
Total Tests Witnessed by NHAI this Month	0
Total Test Witnessed by NHAI in % this Month	<b>0.00%</b>

### 19. SITE PHOTOGRAPHS



**Sub Grade Top at Ch- 128+700 to 128+750**



**GSB WIP at Ch- 118+880 to 118+980**



**Geogrid Laying at Ch- 101+050 to 101+440**



**WMM 1<sup>st</sup> Laying at Ch- 99+000**



**DBM Laying at Ch- 107+080 to 107+480**



**Retaing Wall Raft WIP at 99+345**



**Toilet Block Foundation at Ch- 102+200**



**MNB RHS Raft Curing WIP at Ch- 104+251**