



Monthly Progress Report –July 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**

**JULY-2023**

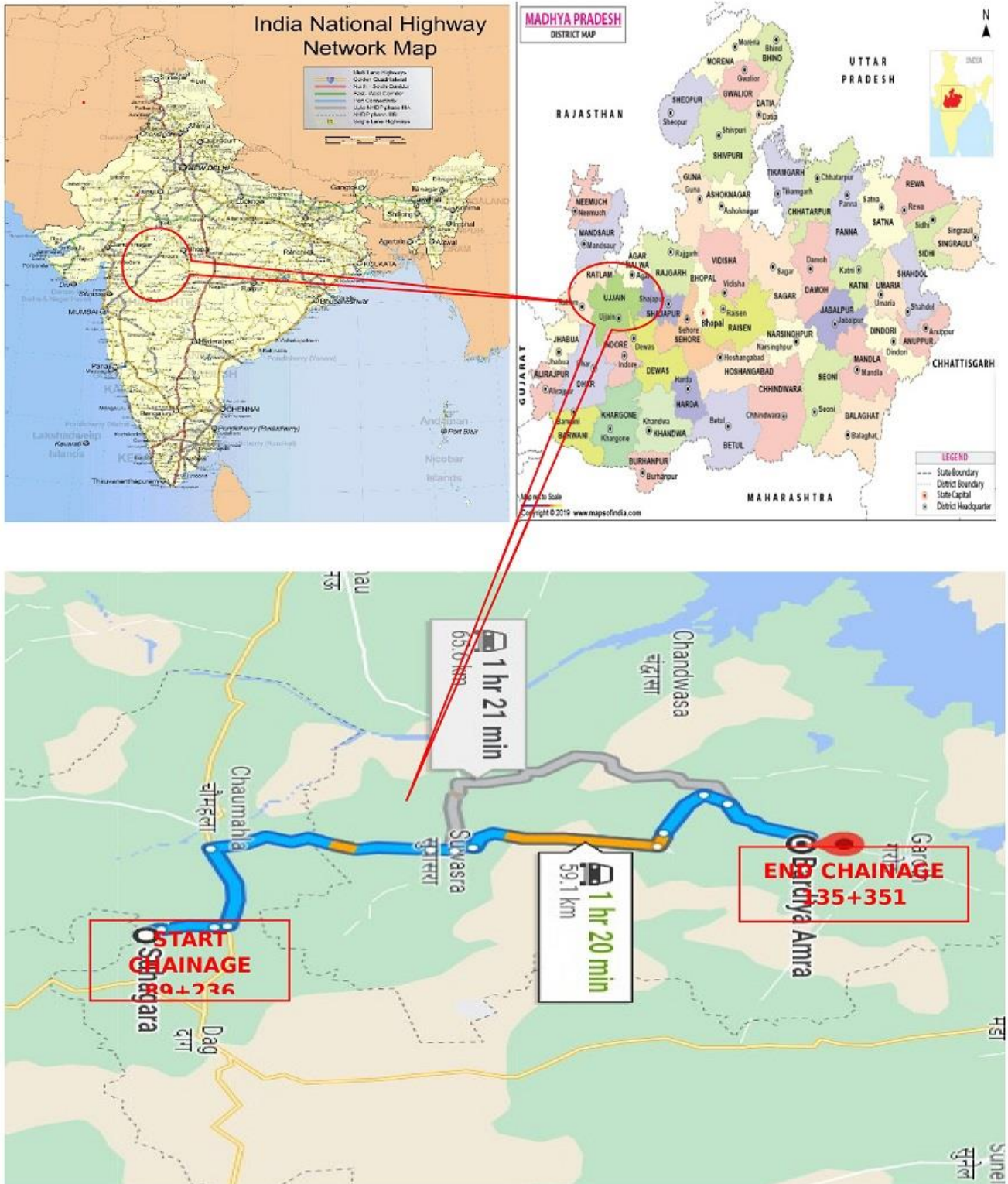
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## 1. SALIENT FEATURES OF THE PROJECT

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

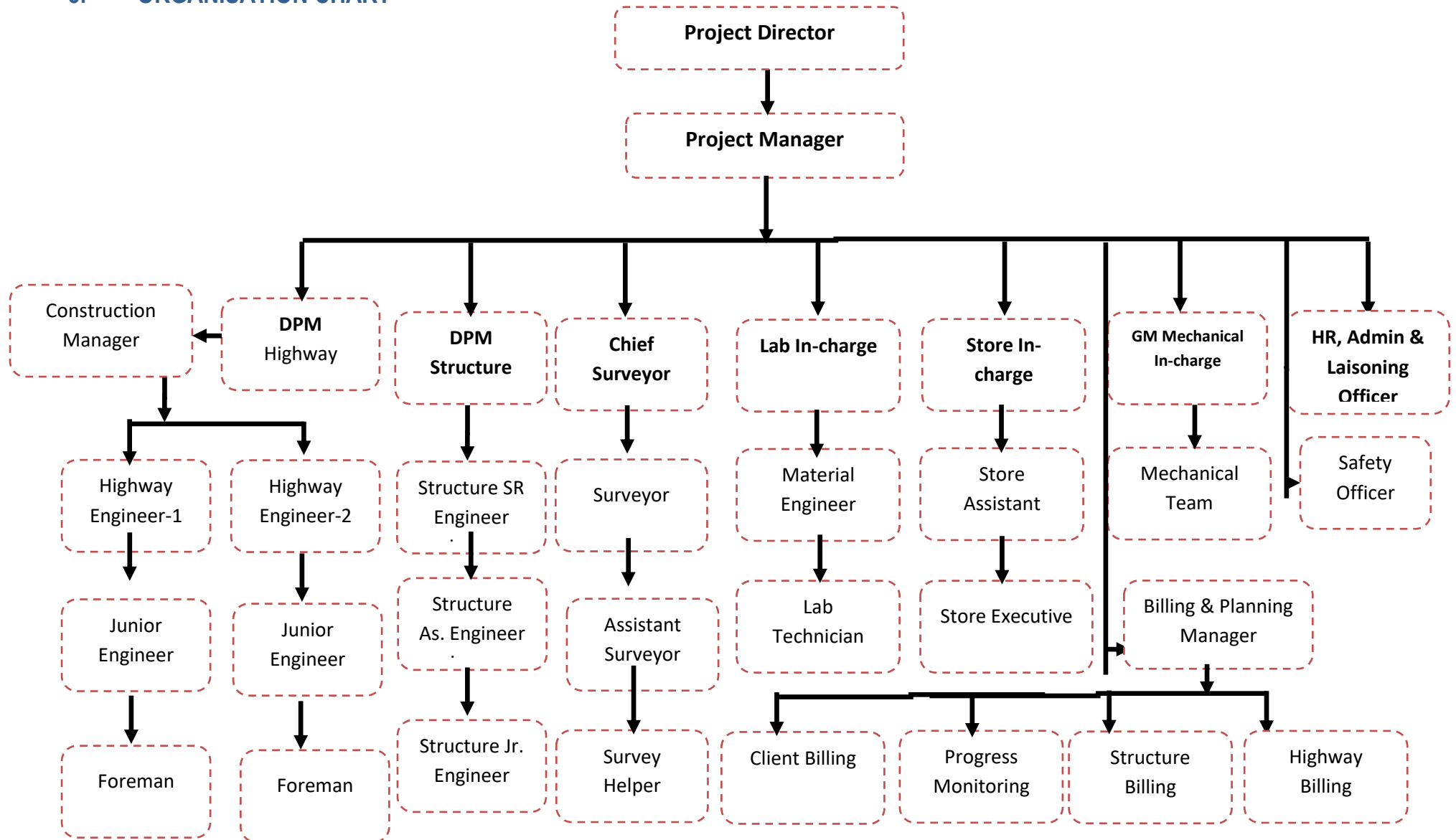
## 2. LOCATION PLAN



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	1.360 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	Appointent 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 <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	In 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 31-07-2023				
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

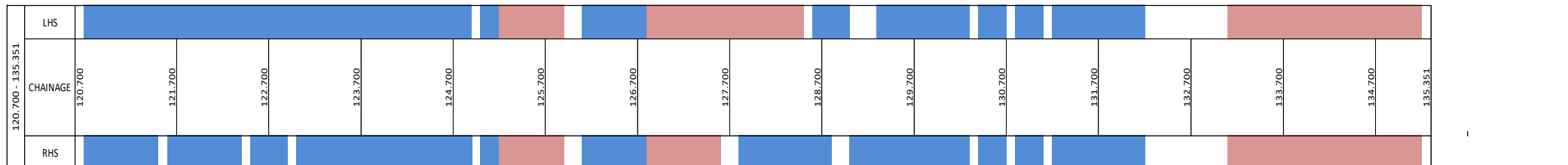
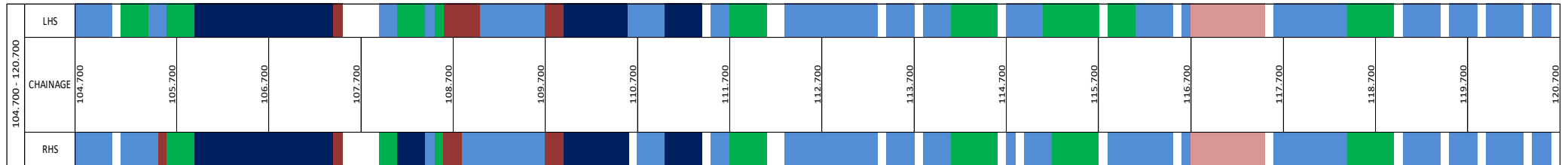
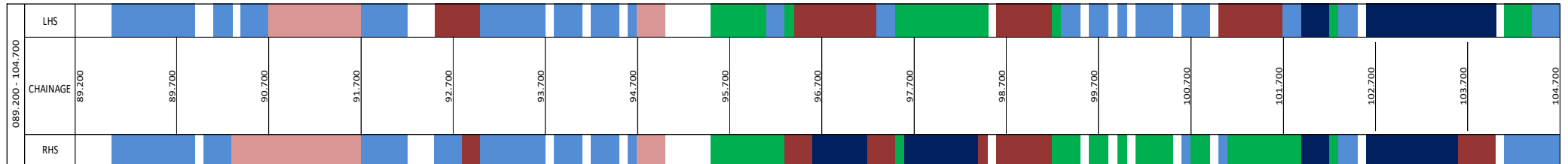
Sr. No.	Designation	Available at Site	Remarks
<b>Overall Responsibility of Projects</b>			
1	Mr. Ashok Kumar Tripathi (Sr. General Manager)	1	
2	Mr. Hardik Sukhadia (Project Manager)	1	
<b>Highways</b>			
3	Mr. Parminder Malik (Deputy Project Manager)	1	
4	Senior Engineer	4	
5	Engineer	8	
<b>Structure</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>Planning &amp; Billing</b>			
12	Mr. Manmohan Singh Yadav (Manager)	1	
13	Miss Nidhi Verma (Sr. Engineer)	1	
14	Engineer	3	
15	GET/Assistant	3	
<b>Quality Control</b>			
15	Mr. Anjani Kumar Tiwari (Manager)	1	
16	Engineer	2	
17	Jr. Engineer /Technician/ Lab. Technician	13	
<b>Survey</b>			
18	Mr. Deepak Dixit (Manager)	1	
19	Asst. Surveyor/Surveyor	8	
<b>IT</b>			
20	IT Officer	2	
<b>Safety</b>			
21	Engineer	1	
22	Supervisor	0	
<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	3	
36	Foreman/Mechanic/Electrician/GET	10	
<b>Total</b>		<b>99</b>	

### 9. HIGHWAY STRIP CHART

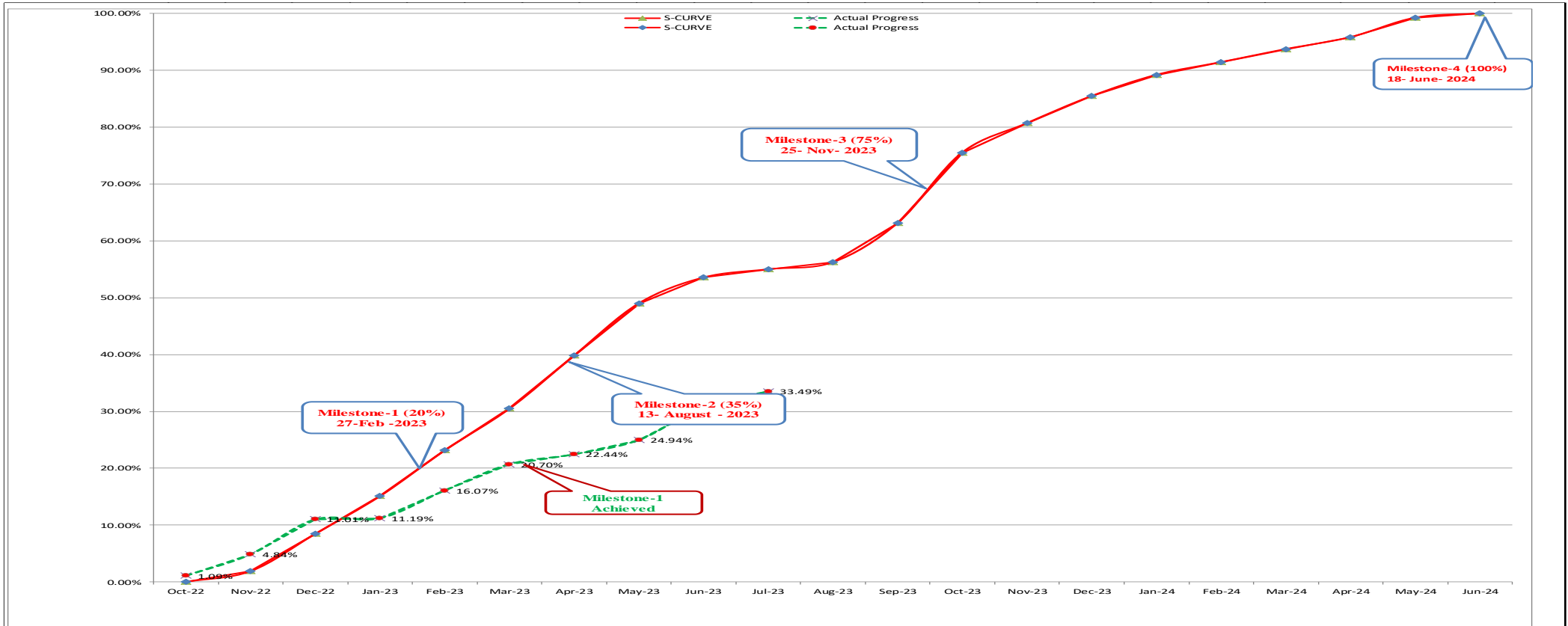
**MKC UJJAIN GAROTH MAHAKALESHWAR**  
 SUHAGADA TO BARDIYA AMRA SECTION OF NH-752-D  
 PACKAGE- III (KM 89.200 - 135.351)



■ 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
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 Montl	1.09%	3.75%	6.17%	0.18%	4.88%	4.63%	1.74%	2.50%	5.94%	2.61%											
Cumulative Progress	1.09%	4.84%	11.01%	11.19%	16.07%	20.70%	22.44%	24.94%	30.88%	33.49%											

### 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							
			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								

(F) Major Bridge																
SI No.	LHS							P&P Chainage	Chainage as per Schedule-B	Type of Structure	RHS					
	Misc work	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	32.21	63.152	28.53%
3	AI (WMM)	88.362	19.05	69.312	21.56%
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	12	56
2	MNB	32	9	18	5
3	SVUP	3	2	1	0
4	LVUP	3	1	1	0
5	VUP	2	0	1	1

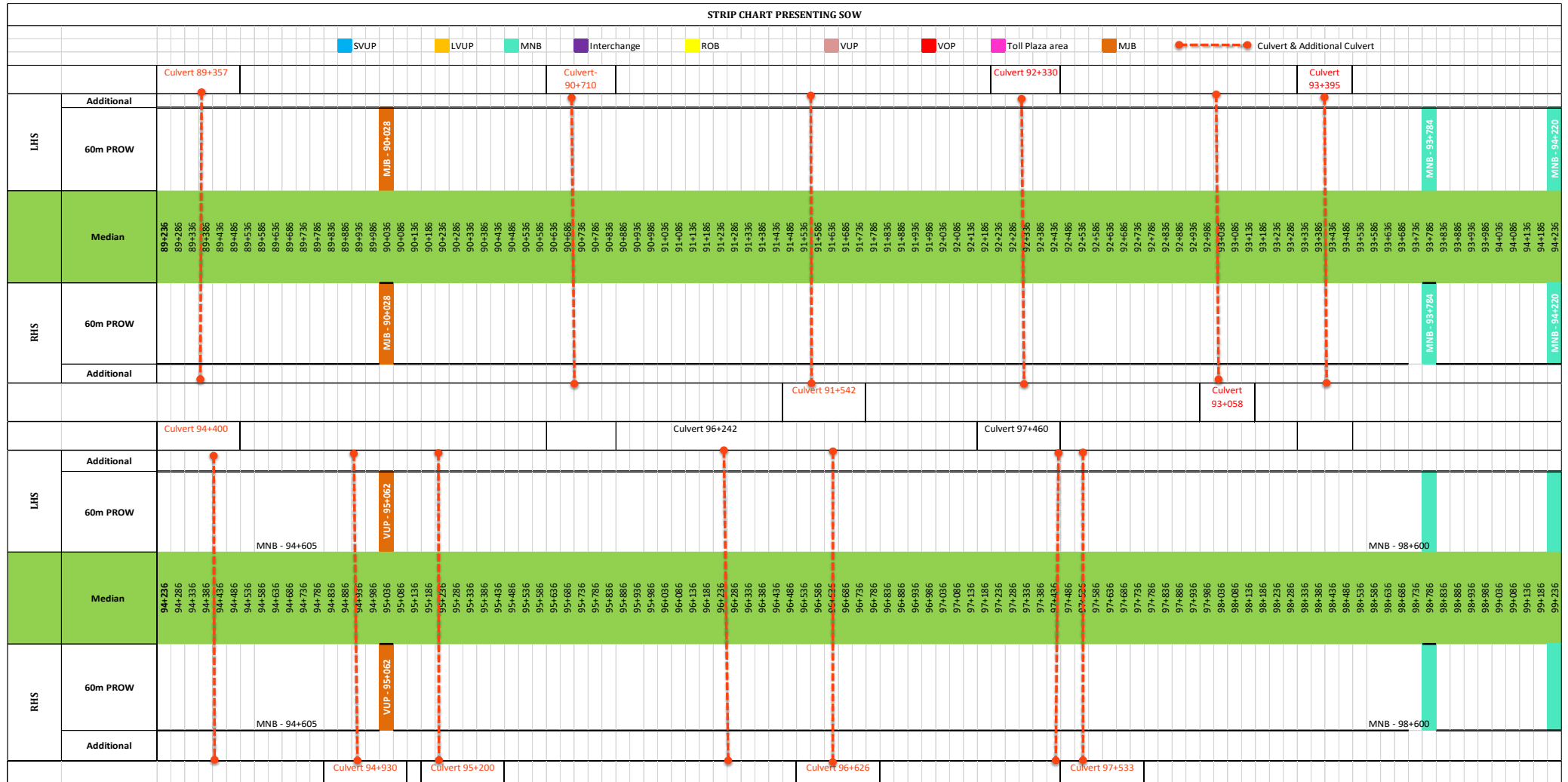
### • CONSTRUCTION PROGRESS IN CURRENT MONTH:-

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	53.55%	30.88%	1.45%	2.60%	55.00%	33.492%
2	Financial Progress (Certified IPC)	53.55%	30.88%	1.45%	2.60%	55.00%	33.492%
3	Expenditure (In Cr)	320.22	184.66	8.67	15.55	328.90	200.28

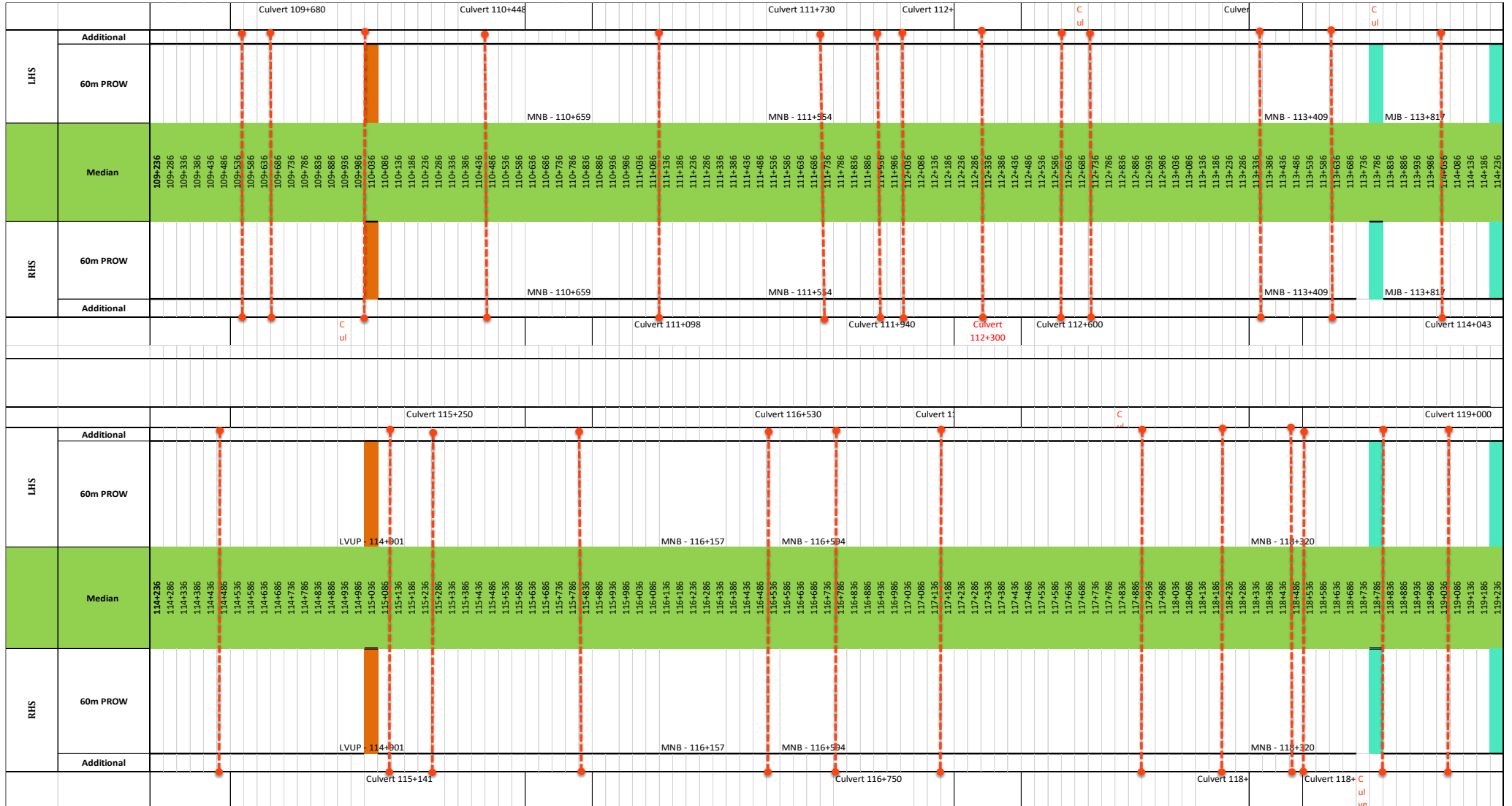
### • Current Issues & recommended action by IE:-

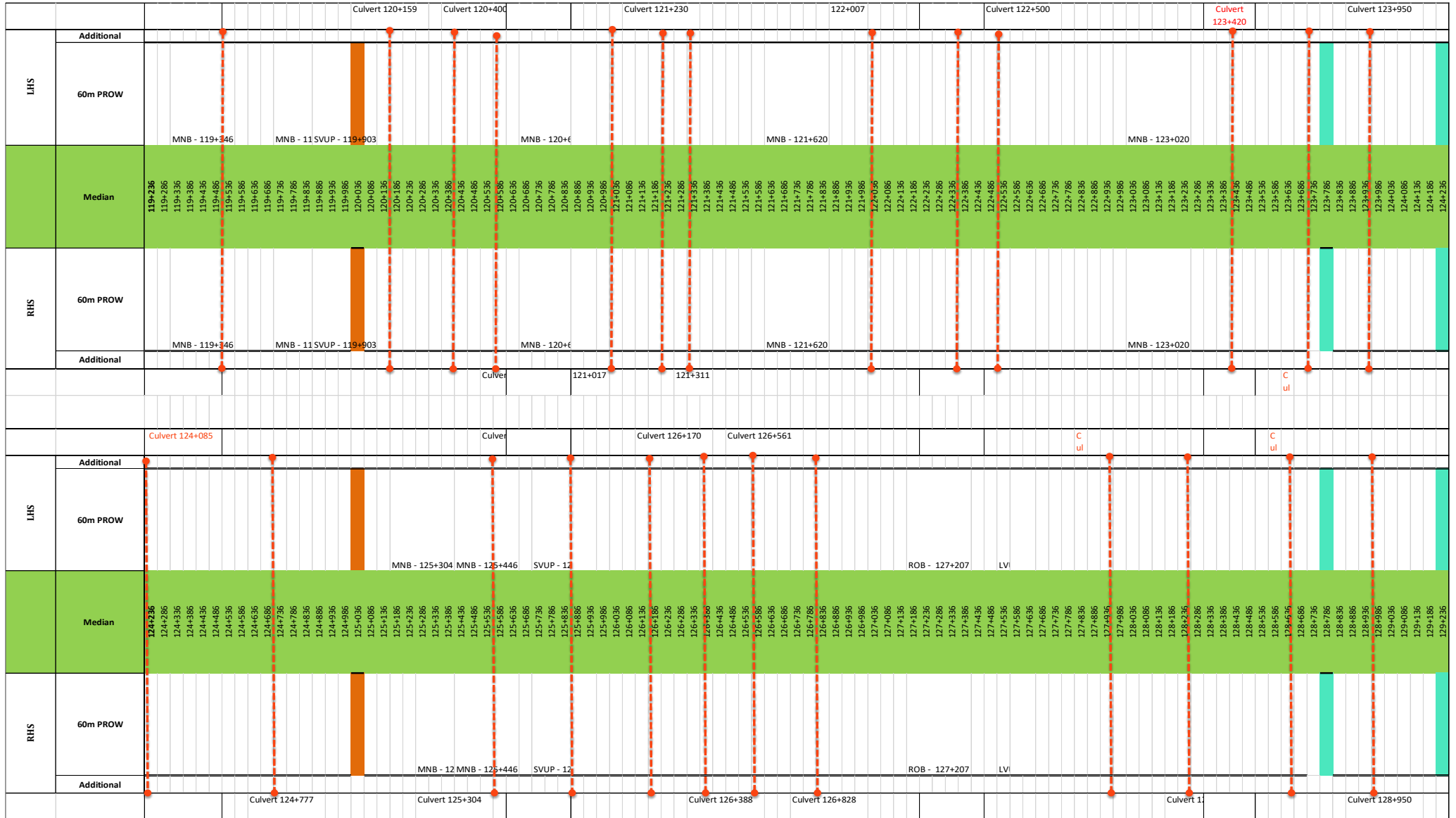
#### Issues: -

• 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+345 MNB - 99+592										MNB - 100+500 MNB - 101+000										MNB - 99+345 MNB - 99+592										MNB - 100+500 MNB - 101+000										MNB - 100+090										MNB - 101+750										MNB - 103+610										MNB - 104+086									
		99+236 99+286 99+336 99+386 99+436 99+486 99+536 99+586 99+636 99+686 99+736 99+786 99+836 99+886 99+936 99+986 100+036 100+086 100+136 100+186 100+236 100+286 100+336 100+386 100+436 100+486 100+536 100+586 100+636 100+686 100+736 100+786 100+836 100+886 100+936 100+986 101+036 101+086 101+136 101+186 101+236 101+286 101+336 101+386 101+436 101+486 101+536 101+586 101+636 101+686 101+736 101+786 101+836 101+886 101+936 101+986 102+036 102+086 102+136 102+186 102+236 102+286 102+336 102+386 102+436 102+486 102+536 102+586 102+636 102+686 102+736 102+786 102+836 102+886 102+936 102+986 103+036 103+086 103+136 103+186 103+236 103+286 103+336 103+386 103+436 103+486 103+536 103+586 103+636 103+686 103+736 103+786 103+836 103+886 103+936 103+986 104+036 104+086 104+136 104+186 104+236																																																																															
RHS	60m PROW																																																																																
Additional																																																																																	
LHS	Additional											Culvert 105+580										Culvert 106+350										Culvert 107+161										Culvert 108+747																																							
	60m PROW																																																																																
Median		MNB - 104+251										LVUP - 104+650										MNB - 105+097																																																											
		104+236 104+286 104+336 104+386 104+436 104+486 104+536 104+586 104+636 104+686 104+736 104+786 104+836 104+886 104+936 104+986 105+036 105+086 105+136 105+186 105+236 105+286 105+336 105+386 105+436 105+486 105+536 105+586 105+636 105+686 105+736 105+786 105+836 105+886 105+936 105+986 106+036 106+086 106+136 106+186 106+236 106+286 106+336 106+386 106+436 106+486 106+536 106+586 106+636 106+686 106+736 106+786 106+836 106+886 106+936 106+986 107+036 107+086 107+136 107+186 107+236 107+286 107+336 107+386 107+436 107+486 107+536 107+586 107+636 107+686 107+736 107+786 107+836 107+886 107+936 107+986 108+036 108+086 108+136 108+186 108+236 108+286 108+336 108+386 108+436 108+486 108+536 108+586 108+636 108+686 108+736 108+786 108+836 108+886 108+936 108+986 109+036 109+086 109+136 109+186 109+236																																																																															
RHS	60m PROW																																																																																
Additional		MNB - 104+251										LVUP - 104+650										MNB - 105+097																																																											







		Culvert 129+712										Culvert 131+200										Culvert 131+830										Culvert 133+125										Culvert 133+280									
LHS	Additional																																																		
	60m PROW																																																		
Median	129+236																																																		
	129+286																																																		
RHS	60m PROW																																																		
	Additional																																																		
		Culvert 130+400										Culvert 131+343										Culvert 132+										Culvert 133+																			
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)	45.755	
Available Land Till 30.06.2023 (RHS)	45.755	
Unavailable Land Till 30.06.2023 (LHS)	0.360	
Unavailable Land Till 30.06.2023 (RHS)	0.360	
Additional Land Required (ROB)	1.000	
Total Land Unavailable	1.360	

Sr.No	From	To	Length	Remarks
1	100+100	100+150	50	Work Stopped
2	107+500	107+600	100	Work Stopped
3	109+200	109+290	90	Work Stopped
4	111+000	111+050	50	Work Stopped
5	112+270	112+340	70	Work Stopped
	<b>Total Length</b>		<b>0.36</b>	<b>Km</b>

## 14. PHYSICAL PROGRESS

PHYSICAL PROGRESS AS ON 31-07-2023						
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%	32.21	2.08%	
(b) Geogrid/ Geosynthetic Material for Pavement Stabilization	L-Km			0		
(c)WMM	L-Km	88.362	3.430%	19.05	0.74%	
(3) Shoulders	L-Km	88.362	0.060%	0	0.00%	
(4) Bituminous work				0		
(a) DBM	L-Km	88.362	6.390%	12.72	0.92%	
(b) BC	L-Km	88.362	4.540%	0	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>				0		
(a) Foundation	No.	32.00	5.52%	25	4.31%	
(b) Sub-structure	No.	32.00	4.80%	20.5	3.08%	
(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	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%	3	0.06%	
<b>C- New Major Bridges</b>				0		
(1) Foundation	No.	2.00	1.510%	0.5	0.38%	
(2) Sub-structure	No.	2.00	0.420%	0	0.00%	
(3) Super-structure (including crash barriers etc.complete	No.	2.00	1.440%	0	0.00%	
<b>D - New rail-road bridges (a) ROB</b>				0		
(1) Foundation	No.	1.00	0.570%	0	0.00%	
(2) Sub-structure	No.	1.00	0.330%	0	0.00%	
(3) Super-structure (including crash barriers etc.complete		1.00		0		
(i) Casting of Pre Cast Girder (40%)	No.	1.00	0.588%	0	0.00%	

(ii) Remaining work of Super Structure including crash barriers etc. (60%)	No.	1.00	0.882%	0	0.00%	
<b>(4) Reinforced Earth Wall (Includes Approaches of ROB, Underpasses, Overpasses, Flyover etc.)</b>	Sqm.	31,412.00	6.350%	0	0.00%	
<b>Other Works</b>				0		
(i) Service roads/ Slip Roads	Km.	2,708.00	0.850%	0	0.00%	
(ii) (a) Main Toll Plaza	No.	1.00	1.550%	0	0.00%	
(ii) (b) Toll Plaza on Entry & Exit Ramp	No.	4.00	2.940%	0	0.00%	
(iii) Road Side Drain (Unlined)	Km.	88.90	0.340%	0	0.00%	
<b>Safety Devise</b>				0		
(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) (a) Bus Shelter	No.	4.00	0.020%	0	0.00%	
(v) (c) Rest areas	No.	1.00	0.920%	0	0.00%	
(v) (d) Electrification	Km.	46.10	0.510%	0	0.00%	
(v) (e) Toilet Block	No.	22.00	0.210%	0	0.00%	
(vii) Road side plantation	No.	36,880.00	0.840%	600	0.01%	
(viii) (a) Boulder Pitching on slopes	Km.	0.83	0.150%	0	0.00%	
(viii) (b) Toe Wall/Retaining wall	Km.	2.60	0.110%	0	0.00%	
(viii) (c) River Training Work	Km.	0.83	0.160%	0	0.00%	
(x) (c) Connecting Road	Km.	3.30	0.430%	0	0.00%	
(x) (d) Tree Cutting	Km.	88.90	0.020%	88.9	0.02%	
(x) (e) (a) Major Junction	No.	2.00	0.220%	0	0.00%	
(x) (e) (b) Major Junction	No.	16.00	0.180%	0	0.00%	
(x) (f) Rain Water Harvesting System	No.	92.00	0.210%	0	0.00%	
(x) (h) ATMS	Km.	46.10	2.020%	0	0.00%	
(x) (i) Pathway	Km.	4.50	0.270%	0	0.00%	
(x) (ii) Utility Shifting	Km.	46.10	3.750%	32	2.60%	
<b>Upto date Physical Progress=</b>					<b>33.492%</b>	
<b>Since Previous Progress=</b>					<b>30.888%</b>	
<b>This Month Progress=</b>					<b>2.60%</b>	



## 15. CORRESPONDENCE

### • Details of Incoming Letters - IE

Sr. No.	Letter No.	Date	Description
1	LNMIPPL/AR/Ujjain-Garoth/2023-24/2737	01.07.2023	Compliance for MNB at Km 100+600 and 120+663 Ltr. No.-295
2	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/609/U-G-3	03.07.2023	at ch. 116+000 to 120+000 Utility Shifting work
3	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/615/U-G-3	06.07.2023	Approval of Borrow Area No.-29 & 30.
4	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/623/U-G-3	10.07.2023	Submission of Final Design Stage Audit Report-1
5	233/LNM/IND/NHAI/Design/UG-III/2023-2024	12.07.2023	Review of Revised Schedule-G
6	235/LNM/IND/NHAI/Design/UG-III/2023-2024	13.07.2023	Review of Compliances on Comments for Typical layout drawing of Bus Bay & Bus Shelter.
7	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/633/U-G-3	17.07.2023	Reg. Estimates of Utility Shifting
8	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/636/U-G-3	17.07.2023	Reg. Approval of Borrow Area No.-31.
9	244/LNM/IND/NHAI/Design/UG-III/2023-2024	17.07.2023	Reg. Descoping of Way Side Amenities from Concession Agreement
10	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/641/U-G-3	19.07.2023	Review of Plan & Profile of Main Carriageway
11	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/648/U-G-3	19.07.2023	Submission of Final Constrcution Stage Audit Report for TMP TCP
12	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/651/U-G-3	20.07.2023	Reg. Borrow Area
13	256/LNM/IND/NHAI/Design/UG-III/2023-2024	20.07.2023	Recommendation of COS for in principle approval.
14	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/652/U-G-3	21.07.2023	At ch. 107+863 (NCR 19)
15	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/657/U-G-3	22.07.2023	Joint Monthly Site Inspection for the month of July 2023
16	LNMIPPL/AR/Ujjain-Garoth/2023-24/3348	22.07.2023	D&D of SVUP at Km 113+600(COS) Ltr. No.-313
17	LNMIPPL/AR/Ujjain-Garoth/2023-24/3344	22.07.2023	Typical details of utility duct Ltr. No.-315
18	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/661/U-G-3	25.07.2023	Recommendation for in principle approval of COS Ujjain Garoth Pkg -III
19	LNMIPPL/AR/Ujjain-Garoth/2023-24/3459	26.07.2023	Design and Drawing of VUP at Ch.-134+119 Ltr. No.-328

20	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/664/U-G-3	26.07.2023	Joining Report
21	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/668/U-G-3	28.07.2023	Approval Borrow Area no. 7 A

- **Details of Incoming Letters – NHAI**

Sr. No.	Letter No.	Date	Description
1	NHAI/PIU/Ujjain/UG-III/2023/1229	06.07.2023	Submission of final design stage audit report -1
2	NHAI/PIU/Ujjain/UG-III/2023/1230	06.07.2023	Inspection/check Survey of EHT Line- File Gharge-Reg
3	NHAI/PIU/Ujjain/UG-III/2023/1231	06.07.2023	Estimates of utility shifting
4	NHAI/PIU/Ujjain/UG-III/ROB/2023/1233	06.07.2023	Test Pile at ROB location design Ch.127+207 (Railway Ch. 790+19-21) -Reg.
5	NHAI/PIU/Ujjain/UG/IE/2023/1242	07.07.2023	Site Inspection dated 22.06.2023
6	NHAI/PIU/Ujjain/UG/IE/2023/1255	10.07.2023	Increase in size of structure (underpass) in tehsil Suvasara Dist. Mandsaur (VIP Reference)
7	NHAI/PIU/Ujjain/UG-III/RSA/2023/1292	18.07.2023	Submission of final Construction stage audit report for the TMP/TCP for Ujjain Garoth Package -III
8	NHAI/PIU/Ujjain/UG-III/RSA/2023/1294	18.07.2023	Submission of final Construction stage audit report for the TMP/TCP for Ujjain Garoth Package -III
9	NHAI/PIU/Ujjain/UG-III/COS/2023/1340	22.07.2023	Proposal for In-Principle approval of Change of Scope for Ujjain-Garoth (Package-I & III) -reg.
10	NHAI/PIU/Ujjain/UG-III/MKC/2023/1366	26.07.2023	Proposal for in. Principle approval of Change of Scope-reg.

- **Details of Outgoing Letters**

Sr. No.	Letter No.	Date	Description
1	MKC UGMH Pvt.Ltd./2023-24/313	01.07.2023	Submission of Design & Drawing of SVUP at Ch. 113+600 under the Change of Scope Proposal
2	MKC UGMH Pvt.Ltd./2023-24/314	01.07.2023	Preparedness and Precautions for Pre-Monsoon Activities.
3	MKC UGMH Pvt.Ltd./2023-24/315	01.07.2023	Submission of Typical Details of Utility Duct.
4	MKC UGMH Pvt.Ltd./2023-24/316	03.07.2023	Submission of Monthly Progress Report
5	MKC UGMH Pvt.Ltd./2023-24/317	05.07.2023	Submission of Borrow Area Test Result for Approval.
6	MKC UGMH Pvt.Ltd./2023-24/318	05.07.2023	Regarding Construction MJB at Ch. 113+817.
7	MKC UGMH Pvt.Ltd./2023-24/318A	08.07.2023	Regarding Demand of Box Culvert (1x5x4) at Ch. 123.710.
8	MKC UGMH Pvt.Ltd./2023-24/319	08.07.2023	Compliance of comments on Typical Layout Drawing of Bus Bay & Bus Shelter
9	MKC UGMH Pvt.Ltd./2023-24/320	10.07.2023	Compliance on Monthly Joint Site Inspection Report for the Month of June-2023 as per Clause 13.2, Article 13 of the Concession Agreement. - Copy
10	MKC UGMH Pvt.Ltd./2023-24/321	10.07.2023	Submission of Revised/Modified Schedule-G.
11	MKC UGMH Pvt.Ltd./2023-24/322	11.07.2023	Submission of Drone Videography.
12	MKC UGMH Pvt.Ltd./2023-24/323	11.07.2023	Descoping of Way Side Amenities from Contract Agreement.
13	MKC UGMH Pvt.Ltd./2023-24/324	14.07.2023	Submission of Borrow Area Test Result for Approval.
14	MKC UGMH Pvt.Ltd./2023-24/325	14.07.2023	Submission of Profile and credential of DP Wire Limited.
16	MKC UGMH Pvt.Ltd./2023-24/327	14.07.2023	Regd. Submission of Change of Scope Proposals.
17	MKC UGMH Pvt.Ltd./2023-24/328	16.07.2023	Submission of Design & Drawing of VUP at Ch.- 134+119
18	MKC UGMH Pvt.Ltd./2023-24/329	17.07.2023	Regarding Submission of Demand Draft against Preparation of Technical Estimate
19	MKC UGMH Pvt.Ltd./2023-24/330	17.07.2023	Submission of Profile and credential of Thermoplastic Road Marking Compound {Setwell Coatings (India) Pvt.Ltd.}
22	MKC UGMH Pvt.Ltd./2023-24/333	18.07.2023	Regarding Change of Type of Structure from VUP To LVUP at Ch. 109+670
23	MKC UGMH Pvt.Ltd./2023-24/334	19.07.2023	Regarding Shifting of Railway Cables.
24	MKC UGMH Pvt.Ltd./2023-24/335	20.07.2023	Closure of NCR No. 17 – At ch. 93+784 (Minor Bridge) improper pouring of M-35 grade concrete of abutment wall, due to shuttering failure
25	MKC UGMH Pvt.Ltd./2023-24/336	21.07.2023	Regarding Submission of Compliance of Draft Final Construction Stage Audit Report-1
26	MKC UGMH Pvt.Ltd./2023-24/337	21.07.2023	Regarding Bank Guarantee Release against 30% Payment Milestone.



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27	MKC UGMH Pvt.Ltd./2023-24/338	21.07.2023	Regarding Bank Guarantee Release against Mobilization Advance Recovery.
28	MKC UGMH Pvt.Ltd./2023-24/339	24.07.2023	Submission of Third-Party Test Reports.
29	MKC UGMH Pvt.Ltd./2023-24/340	26.07.2023	Submission of Borrow Area Test Result for Approval.
30	MKC UGMH Pvt.Ltd./2023-24/342	27.07.2023	Submission of Dry Lean Concrete (DLC) Mix Design.
31	MKC UGMH Pvt.Ltd./2023-24/343	27.07.2023	Submission of Borrow Area Test Result for Approval.
32	MKC UGMH Pvt.Ltd./2023-24/344	31.07.2023	Regarding Shifting of Railway Cable
33	MKC UGMH Pvt.Ltd./2023-24/345	31.07.2023	Regarding Deposit of Supervision Charge for Electrical Utility.

16.



### 17. 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) improper 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) improper 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	



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19	LNMIPL/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	
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### 18. WEATHER REPORT

Weather Report for the Month of July-2023										
SL. NO.	DATE	TEMPERATURE °c		REL. HUMIDITY %		WEATHER	RAIN FALL (mm)	CUMM. RAIN FALL (mm)	REMARKS	
		MIN.	MAX.	MIN.	MAX.					
1	01.07.2023	20.1	33.6	62	70	Rainy	26	26		
2	02.07.2023	18.9	33.7	63	71	Rainy	15	41		
3	03.07.2023	21.2	36.5	64	76	Rainy	24	65		
4	04.07.2023	20.4	34.2	63	71	Rainy	8	73		
5	05.07.2023	21.8	36.3	64	74	Rainy	10	83		
6	06.07.2023	20.9	32.4	66	72	Rainy	13	96		
7	07.07.2023	22.3	33.6	64	70	Rainy	65	161		
8	08.07.2023	22.7	34.7	66	74	Rainy	40	201		
9	09.07.2023	23.1	36.8	64	70	Rainy	18	219		
10	10.07.2023	23.8	34.3	63	72	Rainy	16	235		
11	11.07.2023	24.8	32.2	66	71	Rainy	15	250		
12	12.07.2023	25.6	33.1	65	70	Rainy	10	260		
13	13.07.2023	24.7	34.8	63	73	Rainy	4	264		
14	14.07.2023	23.8	36.7	64	72	Sunny	0	264		
15	15.07.2023	24.2	31.8	63	70	Rainy	11	275		
16	16.07.2023	24.3	31.8	62	71	Rainy	13	288		
17	17.07.2023	23.8	29.6	63	70	Rainy	13	301		
18	18.07.2023	24.6	28.6	63	69	Rainy	4	305		
19	19.07.2023	25.2	31.2	64	70	Rainy	11	316		
20	20.07.2023	24.6	32.6	65	70	Rainy	15	331		
21	21.07.2023	25.3	31.6	60	71	Rainy	40	371		
22	22.07.2023	24.6	32.8	61	70	Rainy	15	386		
23	23.07.2023	25.2	32.6	62	71	Rainy	32	418		
24	24.07.2023	24.6	31.5	60	70	Sunny	0	418		
25	25.07.2023	24.9	30.8	61	72	Sunny	0	418		
26	26.07.2023	25.1	31.2	62	74	Sunny	8	426		
27	27.07.2023	24.8	31.4	61	73	Sunny	0	426		
28	28.07.2023	24.6	30.7	60	71	Rainy	9	435		
29	29.07.2023	24.9	30.2	62	74	Rainy	14	449		
30	30.07.2023	29.6	31.4	60	73	Rainy	4	453		
31	31.07.2023	29.6	30.5	61	72	Sunny	0	453		
<b>Rain Fall (in mm)</b>						<b>This Month</b>		<b>453</b>		



19. QC REPORTS

**Quality Control Test Report for JULY -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
<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>	1924	1924	0	156	156	0	2080	2080	0	333	85	418	54	42	0	42
2.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000 m <sup>3</sup>	1924	1924	0	156	156	0	2080	2080	0	3333	85	3418	54	42	0	42
2.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000 m <sup>3</sup>	1924	1924	0	156	156	0	2080	2080	0	333	85	418	54	42	0	42
2.4	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	2 tests / 3000 m <sup>3</sup>	1924	1924	0	156	156	0	2080	2080	0	333	85	418	54	42	0	42
2.5	4 days soaked CBR	IS : 2720 (P- 16)	1 test / 3000 m <sup>3</sup>	1063	1063	0	154	154	0	1217	1217	0	192	83	275	54	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>2</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>2</sup>	20499	20492	7	0	0	0	20499	20492	7	3865	0	3865	0	0	0	0
3.3	Field density test on Subgrade	IS : 2720 (P- 28)	1 set of tests / 2000 m <sup>2</sup>	6597	6597	0	0	0	0	6597	6597	0	1297	0	1297	0	0	0	0
3.4	Field density test on GSB	"	1 test / 1000 m <sup>2</sup>	614	614	0	252	252	0	866	866	0	139	63	202	25	0	0	0
3.5	Field density test on WMM	"	1 set of three / 1000 m <sup>2</sup>	292	292	0	114	114	0	406	406	0	71	28	99	25	0	0	0
3.6	Field density test on Earthen Shoulder	"	1 set of tests / 2000 m <sup>2</sup>	0	0	0	72	72	0	72	72	0	0	18	18	25	0	0	0
3.7	Field density test on Backfilling	"	1 set of 2test / 500 m <sup>2</sup>	1701	1697	4	630	630	0	2331	2327	4	225	157	382	25	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



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<b>4.0 Coarse Agg. for Concrete</b>																			
4.1	Gradation	IS : 2386 (P-1)	1 test / day	220	220	0	31	31	0	251	251	0	50	20	70	65	0	0	0
4.2	Flakiness Index	IS : 2386 (P-1)	Weekly	36	36	0	5	5	0	41	41	0	10	3	13	60	0	0	0
4.3	Aggregate Impact Value	IS : 2386 (P-4)	Weekly	36	36	0	5	5	0	41	41	0	10	3	13	60	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	220	220	0	31	31	0	251	251	0	50	20	70	65	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
<b>5.0 Fine Agg. for Concrete</b>																			
5.1	Gradation	IS : 2386 (P-1)	1 test / day	220	220	0	31	31	0	251	251	0	50	20	70	65	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	41	41	0	6	6	0	47	47	0	9	4	13	67	0	0	0
5.5	Moisture correction	IS : 2386 (P-3)	Per Day	220	220	0	31	31	0	251	251	0	50	20	70	65	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
<b>6.0 Concrete Cube Compressive strength tests</b>																			
<b>For M 10 Grade</b>																			
6.1	for 7 days	IS : 516	for 7 days	149	149	0	2	2	0	151	151	0	47	1	48	50	0	0	0
6.2	for 28 days	IS : 516	for 28 days	436	436	0	21	21	0	457	457	0	103	10	113	48	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





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<b>For M 25 Grade</b>																			
6.7	for 7 days	IS : 516	for 7 days	232	232	0	5	5	0	237	237	0	56	3	59	60	0	0	0
6.8	for 28 days	IS : 516	for 28 days	580	580	0	33	33	0	613	613	0	97	18	115	55	0	0	0
<b>For M 30 Grade</b>																			
6.9	for 7 days	IS : 516	for 7 days	43	43	0	4	4	0	47	47	0	21	2	23	50	0	0	0
6.10	for 28 days	IS : 516	for 28 days	45	45	0	7	7	0	52	52	0	18	3	21	43	0	0	0
<b>For M 35 Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	137	137	0	31	31	0	168	168	0	45	15	60	48	0	0	0
6.12	for 28 days	IS : 516	for 28 days	304	304	0	183	183	0	487	487	0	103	90	193	49	0	0	0
<b>For M 35 (Pile) Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	3	3	0	1	1	0	4	4	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	19	19	0	22	22	0	3	9	3	47	0	0	0
6.12	for 28 days	IS : 516	for 28 days	6	6	0	3	3	0	9	9	0	6	1	7	33	0	0	0
<b>For M 40 Grade</b>																			
6.12	for 7 days	IS : 516	for 7 days	18	18	0	7	7	0	25	25	0	18	3	21	43	0	0	0
6.13	for 28 days	IS : 516	for 28 days	18	18	0	2	2	0	20	20	0	18	1	19	50	0	0	0
<b>For M 45 Grade</b>																			
6.14	for 7 days	IS : 516	for 7 days	0	0	0	6	6	0	6	6	0	0	6	6	100	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>For DLC</b>																			
6.16	for 7 days	IS : 516	for 7 days	0	0	0	3	3	0	3	3	0	0	3	0	100	0	0	0
<b>For PQC CUBE</b>																			
6.17	for 7 days	IS : 516	for 7 days	0	0	0	3	3	0	3	3	0	0	3	3	100	0	0	0
6.18	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>For PQC BEAM</b>																			
6.19	for 7 days	IS : 516	for 7 days	0	0	0	3	3	0	3	3	0	0	3	3	100	0	0	0
6.20	for 28 days	IS : 516	for 28 days	0	0	0	0	0	0	0	0	0	0	0	0	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	34	34	0	6	6	0	40	40	0	11	3	14	50	0	0	0
7.2	Normal consistency	IS : 4031 (P-4)	1 test / lot of cement	34	34	0	6	6	0	40	40	0	11	3	14	50	0	0	0
7.3	Initial, final setting times	IS : 4031 (P-5)	1 test / lot of cement	34	34	0	6	6	0	40	40	0	11	3	14	50	0	0	0
7.4	Soundness	IS : 4031 (P-3)	1 test / lot of cement	34	34	0	6	6	0	40	40	0	11	3	14	50	0	0	0
7.5	Compressive strength - 3 days	IS : 4031 (P-6)	for 3 days	30	30	0	6	6	0	36	36	0	8	3	11	50	0	0	0
	- 7 days	"	for 7 days	32	32	0	6	6	0	38	38	0	8	3	11	50	0	0	0
	- 28 days	"	for 28 days	31	31	0	5	5	0	36	36	0	8	3	11	60	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		6	6	0	3	3	0	9	9	0	6	1	7	33	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		3	3	0	0	0	0	3	3	0	3	0	3	0	0	0	0
13.0 SUB-BASE (GSB)		MORTH 401																	
13.1	Gradation	Table 400-2 (Grading-V)	1 Test /400 cu.m.	206	206	0	95	95	0	301	301	0	47	50	97	53	0	0	0
13.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 Test /400 cu.m.	202	202	0	95	95	0	297	297	0	43	50	93	53	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	7	7	0	2	2	0	9	9	0	3	1	4	50	0	0	0

14.0 SUB-BASE / BASE (WMM)		MORTH 406																	
14.1	Gradation	Table 400-12	1 test / 200 m <sup>3</sup>	173	173	0	90	90	0	263	263	0	41	45	86	50	0	0	
14.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 test / 200 m <sup>3</sup>	173	173	0	90	90	0	263	263	0	40	45	85	50	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	AI.V	IS : 2386 (P-4)	1 test / 1000 m <sup>3</sup>	54	54	0	18	18	0	72	72	0	13	9	22	50	0	0	
14.5	FI & EI	IS : 2386 (P-1)	1 test / 500 m <sup>3</sup>	67	67	0	36	36	0	103	103	0	17	18	35	50	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	
14.7	Soundness	IS : 2386 (P-3)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15. Bitumen VG-40		MORTH 503																	
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	25	25	0	0	0	0	25	25	0	8	0	8	0	0	0	
15.3	Penetration at 25°C 100gm 5	IS : 1203	1 test per Lot	25	25	0	0	0	0	25	25	0	8	0	8	0	0	0	
15.4	Ductility at 27°C	IS : 1208	1 test per Lot	25	25	0	0	0	0	25	25	0	8	0	8	0	0	0	
15.5	Viscosity at 60/135°C (CST)	IS : 1206	As required	25	25	0	0	0	0	25	25	0	8	0	8	0	0	0	
15.6	Absolute viscosity		As required	25	25	0	0	0	0	25	25	0	8	0	8	0	0	0	
16. Emulsion		MORTH 503																	
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	
17.0 RATE OF SPRAY		MORTH 503																	
17.1	Prime coat	As per MORTH	3 test / day	41	41	0	0	0	0	41	41	0	11	0	11	0	0	0	
17.2	Tack Coat	As per MORTH	3 test / day	41	41	0	0	0	0	41	41	0	11	0	11	0	0	0	



18.0 DENSE BITUMINOUS MACADAM GRADING- 2			MORTH 505																
18.1	Binder Content	As per MORTH	1 test / 400 Tonne Mix	38	38	0	0	0	0	38	38	0	10	0	10	0	0	0	
18.2	Combined Gradation	As per MORTH	1 test / 400 Tonne Mix	44	44	0	0	0	0	44	44	0	16	0	16	0	0	0	
18.3	Marshall Test (in Sets)	ASTM D 1559	1 test / 400 Tonne Mix	83	83	0	0	0	0	83	83	0	18	0	18	0	0	0	
18.4	A.I.V	IS : 2386 (P-4)	1 test / 350 m3 of Agg.	21	21	0	0	0	0	21	21	0	5	0	5	0	0	0	
18.5	FI & EI	IS : 2386 (P-1)	1 test / 350 m3 of Agg.	21	21	0	0	0	0	21	21	0	5	0	5	0	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.	143	143	0	0	0	0	143	143	0	44	0	44	0	1	0	1
<b>Total</b>				57417	57406	11	2789	2789	0	60202	60191	11	14225	1190	15403		262	0	262

Total Tests Conducted this Month	2789
Total Tests Witnessed by IE's this Month	1190
Total Test Witnessed by IE's in % this Month	<b>42.67%</b>

Total Tests Conducted this Month	2789
Total Tests Witnessed by NHAI this Month	0
Total Test Witnessed by NHAI in % this Month	<b>0.00%</b>

## 20. SITE PHOTOGRAPHS



**RO Sir Visit dated 08-07-2023**



**115+820 GSB TOP ROLLING**



**WMM DUMPING at Ch- 115+260 TO 115+480**



**Backfilling at Ch- 122+350 (BHS)**



Staging WIP at Ch- 94+058



VUP Raft Concrete Pouring at Ch- 95+058



Crash Barrier at Ch- 99+345



Sub Grade Top FDD Checking at Ch-129+800