



Monthly Progress Report –May 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

MAY-2023

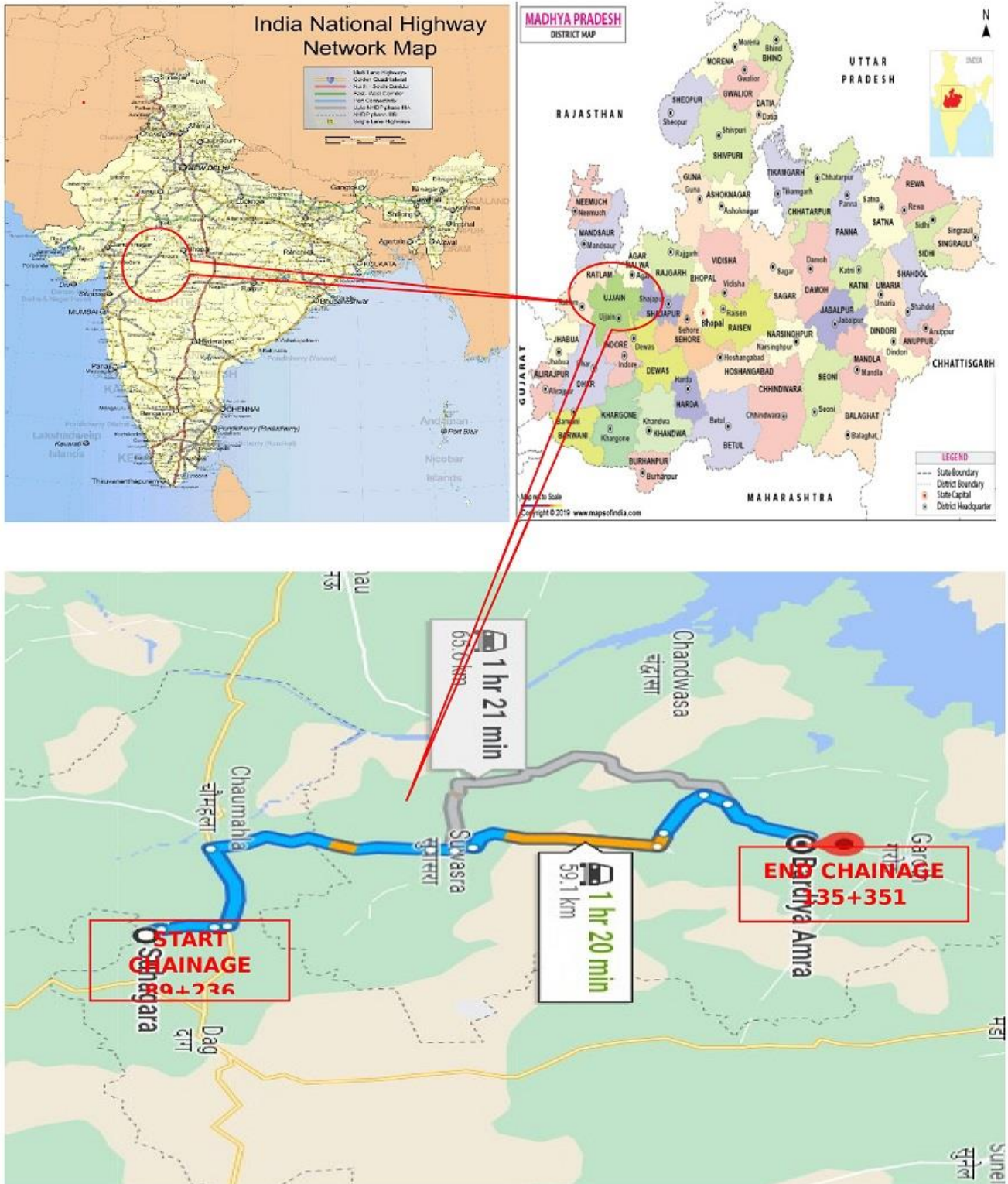
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1. SALIENT FEATURES OF THE PROJECT

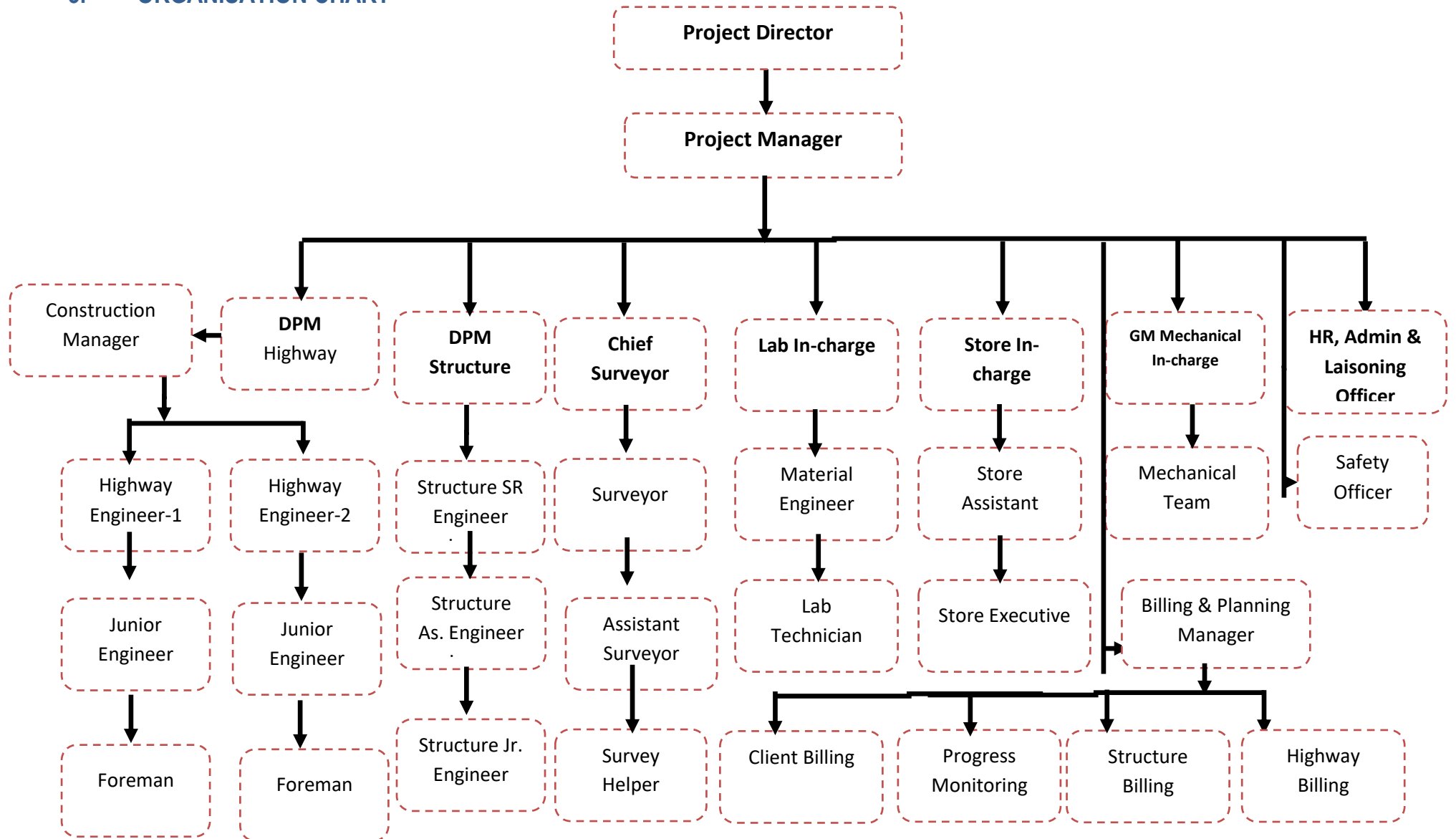
SR NO	NAME	DESCRIPTION
1	Project Name	“Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135.351 section of NH-752D in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode under Bharatmala Pariyojna in the state of Madhyapradesh. 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	2.277 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 rd Days	20%	27-02-2023	Achieved as per Milestone C.A .Dated 31-03-2023
2	Milestone-II	300 th Days	35%	13-08-2023	In Progress
3	Milestone-III	404 th Days	75%	25-11-2023	
4	Schedule Completion	610 th Days	100%	18-06-2024	

6. PAYMENT DURING CONSTRUCTION

SI No	Payment milestone	On Achieved of Physical Progress	Remarks
1	I (First)	5 % of Physical Progress	Achieved on 31-01-2023
2	II (Second)	10 % of Physical Progress	Achieved on 31-01-2023
3	III (Third)	20 % of Physical Progress	Achieved on 21-04-2023
4	IV (Fourth)	30 % of Physical Progress	In Progress
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 31-05-2023				
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	
Total			315	

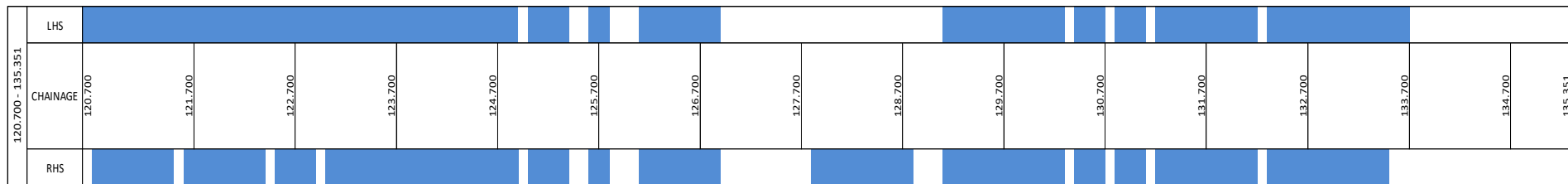
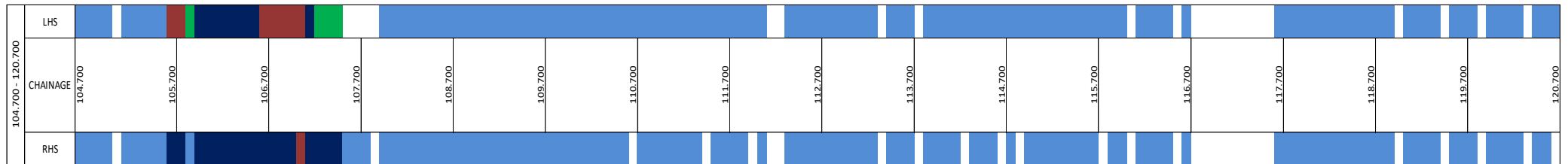
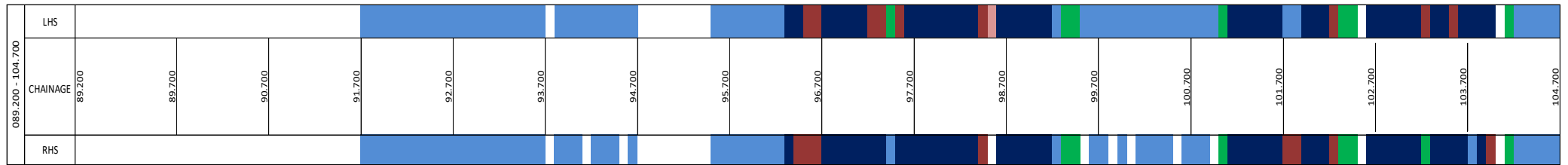
8. MOBILISATION OF MANPOWER

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

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

9. HIGHWAY STRIP CHART

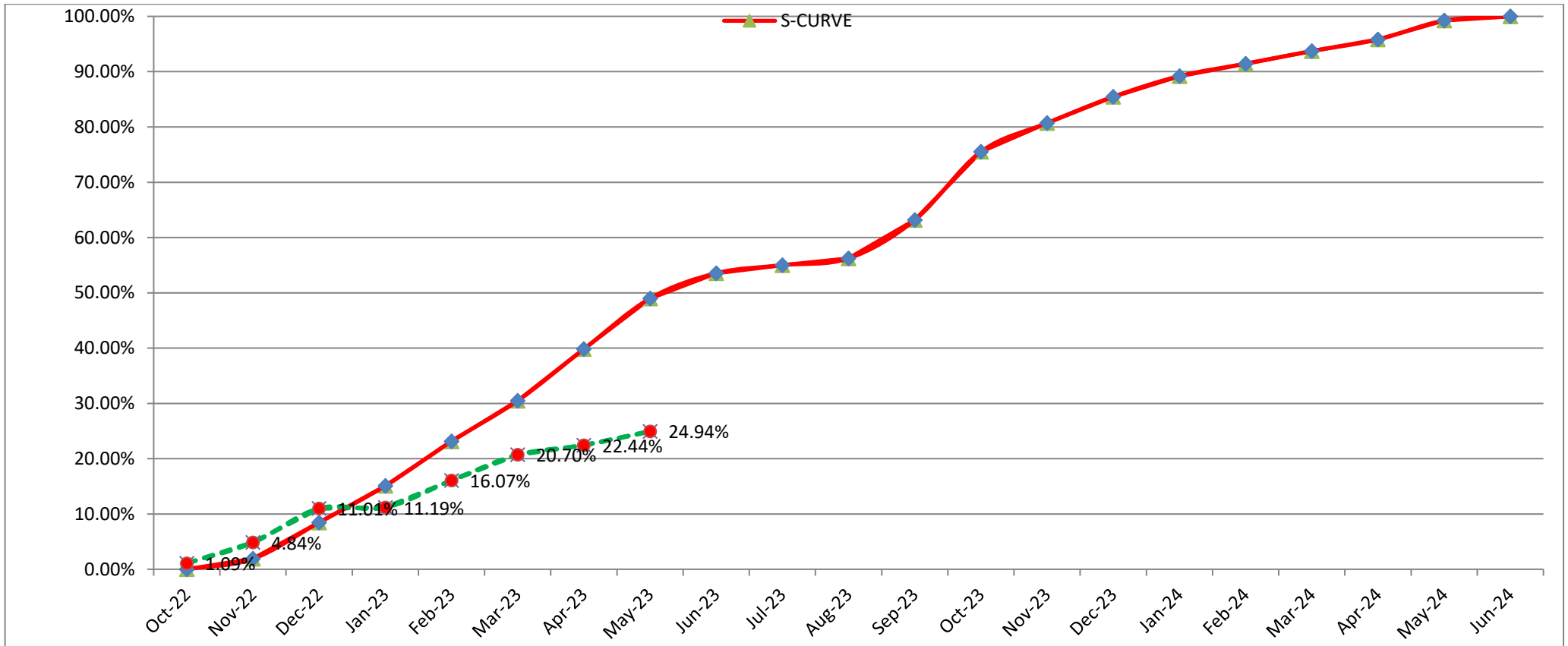
MKC UJJAIN GAROTH MAHAKALESHWAR
 SUHAGADA TO BARDIYA AMRA SECTION OF NH-752-D
 PACKAGE- III (KM 89.200 - 135.351)



■ C & G
 ■ SUB-GRADE
 ■ GSB
 ■ WMM
 ■ DBM
 ■ BC



10. S-Curve:-



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

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

Sl 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								

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	18.54	69.822	20.98%
3	AI (WMM)	88.362	14.00	74.362	15.84%
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	3	16	13
3	SVUP	3	2	1	0
4	LVUP	3	1	1	0
5	VUP	2	0	0	1

- CONSTRUCTION PROGRESS IN CURRENT MONTH:-**

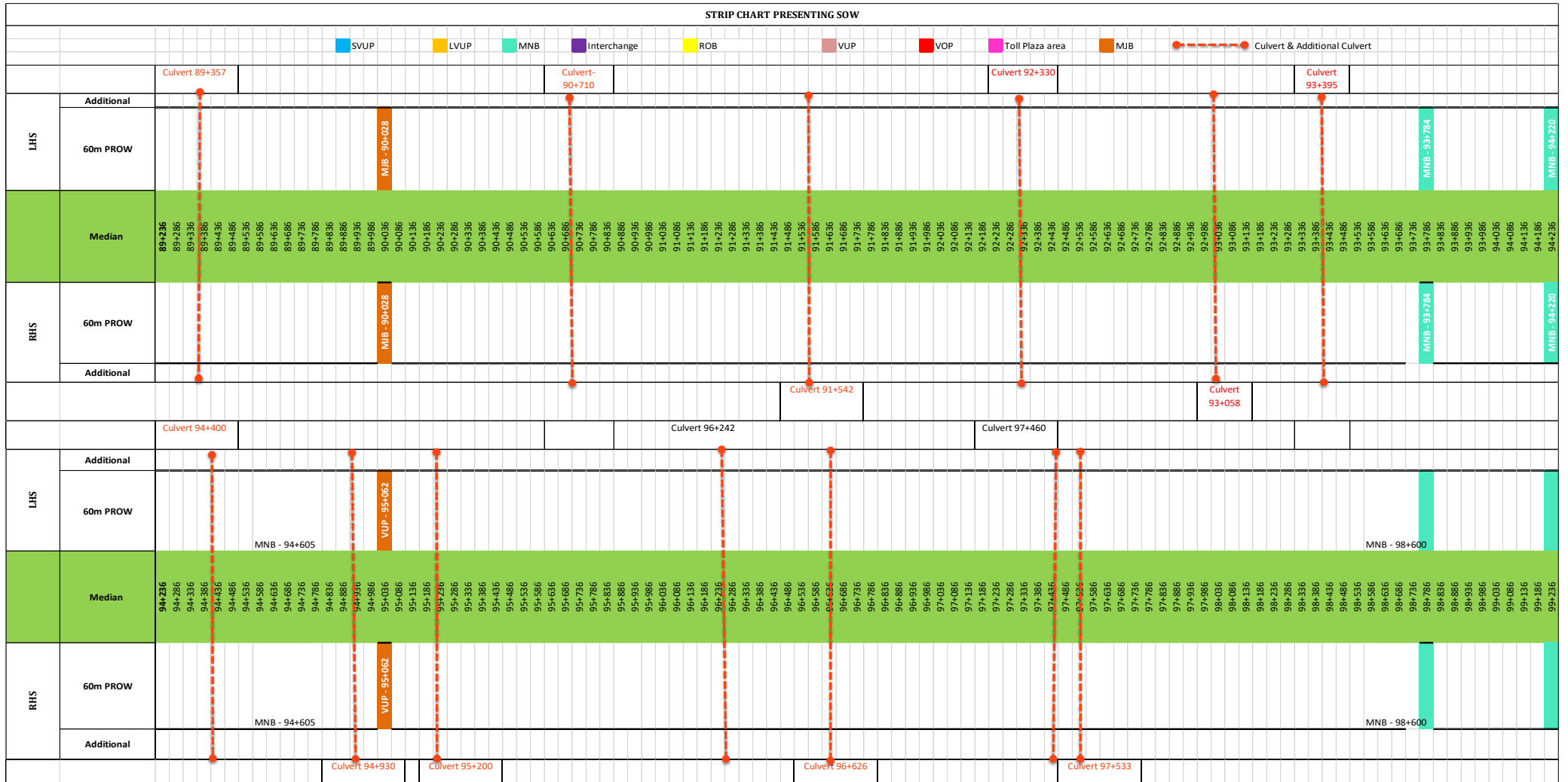
SI No	Description	Up to previous month as per Schedule	Up to previous month Achieved	This month as per Schedule	This month Achieved	Cumulative as per Schedule	Cumulative Achieved
1	Physical Progress	39.82%	22.44%	9.17%	2.50%	49.00%	24.944%
2	Financial Progress (Certified IPC)	39.82%	22.44%	9.17%	2.50%	49.00%	24.944%
3	Expenditure (In Cr)	238.12	134.19	54.84	14.95	293.02	149.16

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

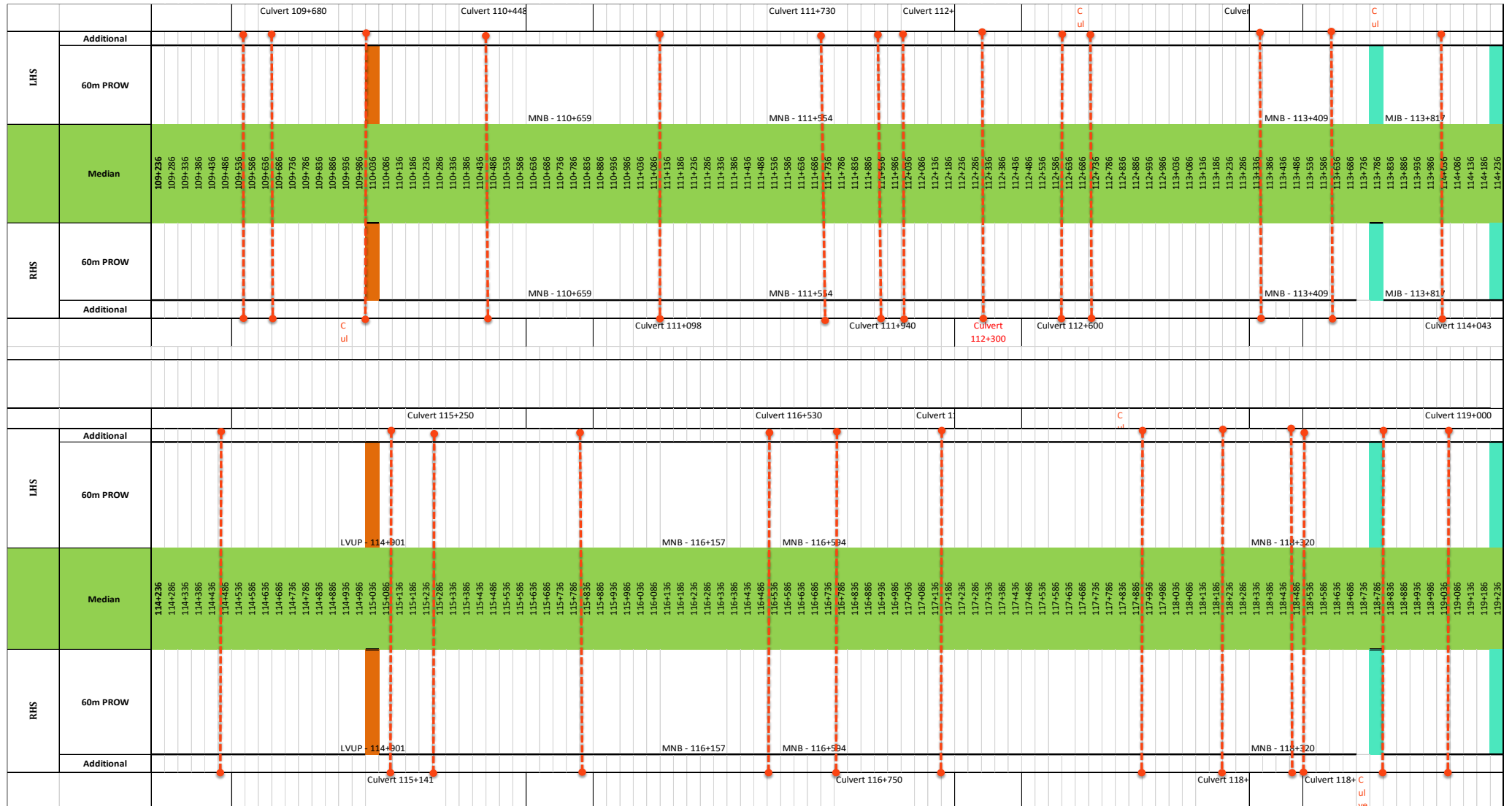
Issues: -

1. ROB Land Acquisition Pending

• Detailed Strip Plan:-



		Culvert 100+754		Culvert 101+890		Culvert 101+090		Culvert 101+750		Culvert 101+890		Culvert 103+610		Culvert 104+050	
LHS	Additional														
	60m PROW														
Median		MNB - 99+286	MNB - 99+345	MNB - 99+592	MNB - 100+000	MNB - 101+000	MNB - 100+090	MNB - 100+736	MNB - 101+836	MNB - 101+890	MNB - 102+656	MNB - 103+286	MNB - 103+610	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+161	MNB - 107+929	MNB - 108+513	MNB - 108+747	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 124+085										Culvert										Culvert 126+170										Culvert 126+561																														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 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+																			
LHS	Additional																																																		
	60m PROW																																																		
Median	134+236																																																		
	134+286																																																		
RHS	60m PROW																																																		
	Additional																																																		
		Culvert 135+180										Culvert 135+280																																							

13. LAND ACQUISITION AND CILEARENCE

Description	Land (Km)	Remark
Total Land Required	46.115	
Available Land Till 31.05.2023 (LHS)	43.838	
Available Land Till 31.05.2023 (RHS)	43.838	
Unavailable Land Till 31.05.2023 (LHS)	2.277	
Unavailable Land Till 31.05.2023 (RHS)	2.277	

Sr.No	From	To	Length	Remarks
1	99+250	99+280	30	Work Stopped
2	100+000	100+090	180	Work Stopped
3	100+100	100+150	100	Work Stopped
4	103+734	103+781	47	Work Stopped
5	104+750	104+800	50	Work Stopped
6	105+300	105+350	50	Work Stopped
7	105+520	105+640	60	Work Stopped
8	107+500	107+600	200	Work Stopped
9	107+700	107+740	40	Work Stopped
10	108+280	108+310	30	Work Stopped
11	108+870	108+900	30	Work Stopped
12	109+200	109+290	90	Work Stopped
13	109+290	109+310	20	Work Stopped
14	111+000	111+050	50	Work Stopped
15	111+050	111+110	60	Work Stopped
16	109+530	109+640	220	Work Stopped
17	112+180	112+260	160	Work Stopped
18	112+270	112+340	140	Work Stopped
19	115+200	115+250	100	Work Stopped
20	115+430	115+530	200	Work Stopped
21	116+050	116+100	100	Work Stopped
22	116+150	116+200	100	Work Stopped
23	116+500	116+540	40	Work Stopped
24	116+710	116+800	180	Work Stopped
Total Length			2.277	Km

14. PHYSICAL PROGRESS

PHYSICAL PROGRESS AS ON 31-05-2023						
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%	18.54	1.20%	
(b) Geogrid/ Geosynthetic Material for Pavement Stabilization	L-Km					
(c)WMM	L-Km	88.362	3.430%	14	0.54%	
(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%	
C- New culverts, minor bridges, underpasses, over passes on existing road, realignments, bypasses:						
(1) Culverts	No.	190.00	7.810%	122	5.01%	
(2) Minor bridges						
(a) Foundation	No.	32.00	5.52%	14.00	2.42%	
(b) Sub-structure	No.	32.00	4.80%	8.00	1.20%	
(c) Super-structure (including crash barriers etc. complete	No.	32.00	4.81%	3	0.45%	
(5) Grade separated structures (a) Underpasses						
(i) Foundation	No.	8.00	0.050%	3.00	0.02%	
(ii) Sub-structure	No.	8.00	1.740%	3.00	0.65%	
(iii) Super-structure (including crash barriers etc. Complete)	No.	8.00	0.170%	3.00	0.06%	
C- New Major Bridges						
(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%	
D - New rail-road bridges (a) ROB						
(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%	
(4) Reinforced Earth Wall (Includes Approaches of ROB, Underpasses, Overpasses, Flyover etc.)	Sqm.	31,412.00	6.350%		0.00%	
Other Works						
(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%	
Safety Devise						
(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%	65.8	0.01%	
(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%	8	0.65%	
Upto date Physical Progress=					24.944%	
Since Previous Progress=					22.440%	
This Month Progress=					2.50%	



15. CORRESPONDENCE

• Details of Incoming Letters - IE

Sr. No.	Letter No.	Date	Description
1	044/LNMIPPL/AR/Ujjain-Garoth/2023-24	01.05.2023	Review of Typical Drawing of Rainwater Harvesting system
2	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/460/U-G-3	01.05.2023	Additional land required for Toll Plaza at ch. 95+058
3	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/467/U-G-3	02.05.2023	Regarding: - Joint Monthly Site Inspection Report for the Month of April 2023
4	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/468/U-G-3	03.05.2023	Regarding: -Village Semli Kankad and Avengers Solar Plant Semli Kankad village Tehsil Suwasra Distt. Mandsaur (M.P.)
5	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/475/U-G-3	04.05.2023	Balance Hindrance
6	057/LNMIPPL/AR/Ujjain-Garoth/2023-24	06.05.2023	Review of Bus lay and Bus Shelter
7	LNMIPPL/AR/Ujjain-Garoth/2023-24/1132/U-G-3	08.05.2023	Review of Design & Drawing of ROB at Km 127+207
8	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/488/U-G-3	11.05.2023	Approval of Borrow Area No.-24
9	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/489/U-G-3	11.05.2023	Approval of Borrow Area No.-25
10	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/491/U-G-3	11.05.2023	Approval of Borrow Area No.-26
11	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/492/U-G-3	11.05.2023	Construction of Major Bridge at Ch.113+818 & 130+800
12	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/496/U-G-3	12.05.2023	Information of Loss of working days under clause 28.2 a, extreme weather conditions.
13	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/503/U-G-3	15.05.2023	Minutes of Meeting
14	LNMIPPL/AR/Ujjain-Garoth/2023-24/1378/U-G-3	17.05.2023	Review of Typical Detail of Retaining Wall
15	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/509/U-G-3	17.05.2023	Regarding:- At Chainage – 110+150 to 110+250 RHS the Material dumped and sprayed laying not as per section 400-1 (Grading V) GSB material.
16	069/LNMIPPL/AR/Ujjain-Garoth/2023-24	17.05.2023	Review of Design and Drawing of Toilet Blocks
17	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/512/U-G-3	18.05.2023	Regarding:- Demad of additional structure at ch. 109+650 for road connecting Suwasra to Runija.
18	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/514/U-G-3	19.05.2023	Regarding shifting of electric line.
19	LNMIPPL/PD/NHAI/Ujjain-Garoth/2022-23/517/U-G-3	20.05.2023	Regarding at chainage - 119+734 RHS bottom hunch dimentional at 1 mtr Length not as per drawing

20	LNMIPL/PD/NHAI/Ujjain-Garoth/2022-23/527/U-G-3	24.05.2023	Monthly Joint Site Inspection for the Month of May 2023 as per Clause 13.2, Article 13 of the Concession Agreement
21	LNMIPL/PD/NHAI/Ujjain-Garoth/2022-23/528/U-G-3	25.05.2023	Underpass in Village Ghasoi
22	LNMIPL/PD/NHAI/Ujjain-Garoth/2022-23/529/U-G-3	25.05.2023	Proposal of additional Connecting Road
23	LNMIPL/PD/NHAI/Ujjain-Garoth/2022-23/531/U-G-3	25.05.2023	CM Helpline Complaint No.2204597 Dated 14.05.2023
24	LNMIPL/PD/NHAI/Ujjain-Garoth/2022-23/533/U-G-3	27.05.2023	Additional land required for Ramp Toll Plaza at ch. 134+119

• **Details of Incoming Letters – NHAI**

Sr. No.	Letter No.	Date	Description
1	NHAI/PIU/Ujjain/UG-III/IE/P-I/2023/833	09.05.2023	Minutes of Meeting
2	NHAI/PIU/Ujjain/2023/915	18.05.2023	Approval of Reinforcement steel
3	NHAI/PIU/Ujjain/UG/IE/2023/939	24.05.2023	Regarding Underpass in Village Ghasoi
4	NHAI/PIU/Ujjain/Pre Monsoon/2023/942	24.05.2023	Preparedness and Precautions for Pre-monsoon Activities

• **Details of Outgoing Letters**

Sr. No.	Letter No.	Date	Description
1	MKC UGMH Pvt.Ltd./2023-24/254	01.05.2023	Submission of design and drawings of Toilet Block
2	MKC UGMH Pvt.Ltd./2023-24/255	03.05.2023	Submission of Monthly Progress Report. April-2023
3	MKC UGMH Pvt.Ltd./2023-24/256	05.05.2023	Submission of Drone Videography April-2023
4	MKC UGMH Pvt.Ltd./2023-24/257	05.05.2023	Regarding Submission & Approval of Retaining Wall Drawing
5	MKC UGMH Pvt.Ltd./2023-24/258	06.05.2023	Regarding Submission of Borrow Area Test Result for Approval
6	MKC UGMH Pvt.Ltd./2023-24/259	06.05.2023	Submission of Design & Drawings for Foundation, Substructure (A1 & A2 Abutment) and Superstructure (A1-P1 & P4-A2 span) of ROB at Ch. 127+207
7	MKC UGMH Pvt.Ltd./2023-24/261	08.05.2023	Regarding Possession of Balance Land.
8	MKC UGMH Pvt.Ltd./2023-24/263	08.05.2023	Regarding Submission of Borrow Area Test Result for Approval-26
9	MKC UGMH Pvt.Ltd./2023-24/264	08.05.2023	Information of loss of working days under Clause 28.2 a, extreme weather conditions.
10	MKC UGMH Pvt.Ltd./2023-24/265	08.05.2023	
11	MKC UGMH Pvt.Ltd./2023-24/266	16.05.2023	Regarding Demand of Additional Structure at Ch. 109+650 for road connecting Suwasara to Runija.
12	MKC UGMH Pvt.Ltd./2023-24/267	16.05.2023	Regarding Details of ROB at Km 127+207.
13	MKC UGMH Pvt.Ltd./2023-24/268	20.05.2023	Submission of Design & Drawings of Box Culvert.
14	MKC UGMH Pvt.Ltd./2023-24/269	20.05.2023	Submission of Design & Drawing of VUP at Ch. 113+600
15	MKC UGMH Pvt.Ltd./2023-24/270	20.05.2023	Submission of Design & Drawings of Box Culvert.
16	MKC UGMH Pvt.Ltd./2023-24/272	24.05.2023	Regarding Deposit of Supervision Charge for Electrical Utility.
17	MKC UGMH Pvt.Ltd./2023-24/273	24.05.2023	Compliance on Monthly Joint Site Inspection Report for the Month of April -2023 as per Clause 13.2, Article 13 of the Concession Agreement.
18	MKC UGMH Pvt.Ltd./2023-24/274	24.05.2023	Proposal of Additional Connection Road
19	MKC UGMH Pvt.Ltd./2023-24/275	24.05.2023	Regarding Stoppage of access within ROW
20	MKC UGMH Pvt.Ltd./2023-24/276	24.05.2023	Regarding submission of Geo Block Mould Drawing.
21	MKC UGMH Pvt.Ltd./2023-24/277	26.05.2023	Submission of Design & Drawings of LVUP at Ch. 109+670
22	MKC UGMH Pvt.Ltd./2023-24/278	26.05.2023	Additional Land required for Toll Plaza Ramp at Chainage 134+119.
23	MKC UGMH Pvt.Ltd./2023-24/279	29.05.2023	Closure of NCR No.13-Oversized G.S.B material rectification at 110+150 to 110+250 RHS .
24	MKC UGMH Pvt.Ltd./2022-23/170	17-02-2023	Notice of Achievement of Payment Milestone-II-pursuant to Clause 23.4 of Schedule G of Concession Agreement.



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25	MKC UGMH Pvt.Ltd./2022-23/171	17-02-2023	Submission of 2nd Milestone Payment Certificate.
26	MKC UGMH Pvt.Ltd./2022-23/172	18-02-2023	Regarding Pavement Crust Design Report
27	MKC UGMH Pvt.Ltd./2022-23/173	18-02-2023	Regarding Achievement of Payment Milestone 1st & 2nd.
28	MKC UGMH Pvt.Ltd./2022-23/174	21-02-2023	Submission of Borrow Area Test Result for Approval.
29	MKC UGMH Pvt.Ltd./2022-23/175	21-02-2023	Submission of Profile and credential of Bitumen (Hexatron).
30	MKC UGMH Pvt.Ltd./2022-23/178	22-02-2023	Submission of Third party test reports for source approval.
31	MKC UGMH Pvt.Ltd./2022-23/180	22-02-2023	Submission of Revised Design & Drawings of 10 Nos. of MNB's
32	MKC UGMH Pvt.Ltd./2022-23/181	22-02-2023	Submission of Design and Drawing of ROB at Ch.127+197 vetted by SVNIT Surat
33	MKC UGMH Pvt.Ltd./2022-23/182	25.02.2023	Submission of Borrow Area Test Result for Approval.
34	MKC UGMH Pvt.Ltd./2022-23/184	27.02.2023	Submission of Typical Design and Drawing of RCC Crash Barrier
35	MKC UGMH Pvt.Ltd./2022-23/185	28.02.2023	Compliance on Inspection Report for the Month of January-2023.
36	MKC UGMH Pvt.Ltd./2022-23/186	28.02.2023	Revise Submission of 2nd Milestone Payment Certificate

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	LNMIPPL/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	LNMIPPL/Ujjain-Garoth/2022-23/180/U-G-3	17.01.2023	Closed	
2	LNMIPPL/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	LNMIPPL/Ujjain-Garoth/2022-23/181/U-G-3	17.01.2023	Closed	
3	LNMIPPL/Ujjain-Garoth/2022-23/128/U-G-3	Safety arrangement at intersections.						Pending	
4	LNMIPPL/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	LNMIPPL/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	

17. WEATHER REPORT

Weather Report for the Month of MAY-2023										
SL. NO.	DATE	TEMPERATURE °c		REL. HUMIDITY %		WEATHER	RAIN FALL (mm)	CUMM. RAIN FALL (mm)	REMARKS	
		MIN.	MAX.	MIN.	MAX.					
1	01.05.2023	25.7	34.3	66	74	Sunny	--	--		
2	02.05.2023	26.1	37.8	64	73	Sunny	--	--		
3	03.05.2023	24.2	32.9	65	74	Rainy	20	20		
4	04.05.2023	23.9	36.8	66	77	Sunny	--	20		
5	05.05.2023	24.1	33.9	65	76	Sunny	--	20		
6	06.05.2023	26.9	38.1	66	75	Sunny	--	20		
7	07.05.2023	27.2	39.2	65	73	Sunny	--	20		
8	08.05.2023	26.5	40.1	63	77	Sunny	--	20		
9	09.05.2023	24.3	41.0	65	74	Sunny	--	20		
10	10.05.2023	25.1	42.4	63	76	Sunny	--	20		
11	11.05.2023	24.6	43.1	62	74	Sunny	--	20		
12	12.05.2023	24.9	42.6	64	77	Sunny	--	20		
13	13.05.2023	23.8	42.8	64	77	Sunny	--	20		
14	14.05.2023	24.5	41.9	64	79	Sunny	--	20		
15	15.05.2023	25.1	43.1	62	74	Sunny	--	20		
16	16.05.2023	24.7	42.8	63	76	Sunny	--	20		
17	17.05.2023	24.4	42.5	63	79	Sunny	--	20		
18	18.05.2023	25.2	43.4	64	81	Sunny	--	20		
19	19.05.2023	24.9	43.3	63	77	Sunny	--	20		
20	20.05.2023	24.6	42.8	61	75	Sunny	--	20		
21	21.05.2023	24.3	42.0	60	72	Sunny	--	20		
22	22.05.2023	24.8	44.1	61	74	Sunny	--	20		
23	23.05.2023	23.9	44.7	60	75	Sunny	--	20		
24	24.05.2023	24.5	43.7	62	77	Sunny	--	20		
25	25.05.2023	24.9	43.1	60	75	Sunny	--	20		
26	26.05.2023	24.1	42.0	61	75	Sunny	--	20		
27	27.05.2023	25.7	40.3	60	74	Sunny	--	20		
28	28.05.2023	25.4	39.4	62	77	Sunny	--	20		
29	29.05.2023	26.4	40.5	60	74	Sunny	--	20		
30	30.05.2023	26.5	38.8	60	75	Sunny	5	25		
31	31.05.2023	26.9	40.1	64	80	Sunny	--	25		
Rain Fall (in mm)						This Month		25		

18. QC REPORTS

Quality Control Test Report for MAY -2023

S.No.	Name of test	Reference as per IS / MORIH	Total Tests Conducted Up to Previous Month			No. of Tests Conducted during this Month			No. of Tests Conducted up to this Month			Test Witnessed by IE's Rep.				Test Witnessed by NHAI Rep.			
			Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed	Up to previous Month	During this Month	Total	%	Up to previous Month	During this Month	Total	
1.0 OGL samples			MORIH-900																
1.1	Free Swell Index (FSI)	IS : 2720 (P- 40)	As Required	210	210	0	0	0	0	210	210	0	64	0	64	0	13	0	13
1.2	Grain size analysis	IS : 2720 (P-4)	As Required	195	195	0	0	0	0	195	195	0	49	0	49	0	13	0	13
1.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	As Required	195	195	0	0	0	0	195	195	0	49	0	49	0	13	0	13
1.4	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	As Required	195	195	0	0	0	0	195	195	0	49	0	49	0	13	0	13
1.5	4 days soaked CBR	IS : 2720 (P- 16)	As Required	13	13	0	0	0	0	13	13	0	13	0	13	0	0	0	0
2.0 Borrow Area Samples			MORIH-900																
2.1	Free Swell Index (FSI)	IS : 2720 (P- 40)	2 tests / 3000 m ³	1500	1500	0	186	186	0	1686	1686	0	241	32	273	17	42	0	42
2.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000 m ³	1500	1500	0	186	186	0	1686	1686	0	241	32	273	17	42	0	42
2.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000 m ³	1500	1500	0	186	186	0	1686	1686	0	241	32	273	17	42	0	42
2.4	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	2 tests / 3000 m ³	1500	1500	0	186	186	0	1686	1686	0	241	32	273	17	42	0	42
2.5	4 days soaked CBR	IS : 2720 (P- 16)	1 test / 3000 m ³	746	746	0	89	89	0	835	835	0	120	16	136	18	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
3.0 Field Density Tests			MORIH-900																
3.1	Field density test on OGL	IS : 2720 (P- 28)	1 set of tests / 3000 m ³	13022	13022	0	360	360	0	13382	13382	0	2522	72	2594	20	0	0	0
3.2	Field density test on Emb.	IS : 2720 (P- 28)	1 set of tests /3000 m ³	19874	19871	3	375	371	4	20249	20242	7	3720	65	3785	17	0	0	0
3.3	Field density test on Subgrade	IS : 2720 (P- 28)	1 set of tests / 2000 m ²	5751	5751	0	540	540	0	6291	6291	0	1092	105	1197	19	0	0	0
3.4	Field density test on GSB	"	1 test / 1000 m ²	338	338	0	108	108	0	446	446	0	66	21	87	19	0	0	0
3.5	Field density test on WMM	"	1 set of three / 1000 m ²	104	104	0	57	57	0	161	161	0	21	10	31	18	0	0	0
3.6	Field density test on Earthen Shoulder	"	1 set of tests / 2000 m ²	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 2test / 500 m ²	873	870	3	321	320	1	1194	1190	4	160	65	225	20	0	0	0
3.8	Field density test on DLC	"	1 set of tests / 2000 m ²	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

4.0 Coarse Agg. for Concrete																			
4.1	Gradation	IS : 2386 (P-1)	1 test / day	159	159	0	31	31	0	190	190	0	32	6	38	19	0	0	0
4.2	Flakiness Index	IS : 2386 (P-1)	Weekly	26	26	0	5	5	0	31	31	0	7	1	8	20	0	0	0
4.3	Aggregate Impact Value	IS : 2386 (P-4)	Weekly	15	15	0	5	5	0	20	20	0	7	1	8	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	159	159	0	31	31	0	190	190	0	32	6	38	19	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	159	159	0	31	31	0	190	190	0	31	6	37	19	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	159	159	0	31	31	0	190	190	0	32	6	38	19	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

For M 30 Grade																			
6.9	for 7 days	IS : 516	for 7 days	15	15	0	0	0	0	15	15	0	15	0	15	0	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
For M 35 Grade																			
6.11	for 7 days	IS : 516	for 7 days	36	36	0	18	18	0	54	54	0	23	4	27	22	0	0	0
6.12	for 28 days	IS : 516	for 28 days	80	80	0	95	95	0	175	175	0	38	19	57	20	0	0	0
For M 35 (Pile) Grade																			
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
For M 35 (RE-BLOCK) Grade																			
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
For M 40 Grade																			
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
For M 45 Grade																			
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
7.0 Cement Tests																			
MORTH 1000																			
7.1	Fineness of cement	IS : 4031 (P-1)	1 test / lot of cement	24	24	0	5	5	0	29	29	0	8	1	9	20	0	0	0
7.2	Normal consistency	IS : 4031 (P-4)	1 test / lot of cement	24	24	0	5	5	0	29	29	0	8	1	9	20	0	0	0
7.3	Initial, final setting times	IS : 4031 (P-5)	1 test / lot of cement	24	24	0	5	5	0	29	29	0	8	1	9	20	0	0	0
7.4	Soundness	IS : 4031 (P-3)	1 test / lot of cement	24	24	0	5	5	0	29	29	0	8	1	9	20	0	0	0
7.5	Compressive strength - 3 days	IS : 4031 (P-6)	for 3 days	23	23	0	4	4	0	27	27	0	6	1	7	25	0	0	0
	- 7 days	"	for 7 days	23	23	0	5	5	0	28	28	0	6	1	7	20	0	0	0
	- 28 days	"	for 28 days	23	23	0	4	4	0	27	27	0	6	1	7	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

9.0 Steel		MORTH 1000																	
9.1	Physical Properties	IS : 1786		6	6	0	0	0	0	6	6	0	6	0	6	0	0	0	0
9.2	Chemical Properties	IS : 1786		6	6	0	0	0	0	6	6	0	6	0	6	0	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.	97	97	0	34	34	0	131	131	0	21	6	27	18	0	0	0
13.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 Test /400 cu.m.	93	93	0	34	34	0	127	127	0	17	6	23	18	0	0	0
13.3	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	Test/Source	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
13.4	4 days soaked CBR	IS : 2720 (P- 16)	Test/Source	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
13.5	Water Absorption	IS : 2720 (P-3)	Test/Source	1	1	0	0	0	0	1	1	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
14.0 SUB-BASE / BASE (WMM)		MORTH 406																	
14.1	Gradation	Table 400-12	1 test / 200 m ³	106	106	0	24	24	0	130	130	0	24	5	29	21	0	0	
14.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 test / 200 m ³	106	106	0	24	24	0	130	130	0	18	5	23	21	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 ³	22	22	0	5	5	0	27	27	0	5	1	6	20	0	0	
14.5	FI & EI	IS : 2386 (P-1)	1 test / 500 m ³	22	22	0	10	10	0	32	32	0	5	2	7	20	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	
15. Bitumen VG-40																			
15.1	Specific Gravity at 27°C	IS : 2380 (P-4)	As required	2	2	0	0	0	0	2	2	0	2	0	2	0	0	0	
15.2	Softening Point(°C)	IS : 1205	1 test per Lot	2	2	0	9	9	0	11	11	0	2	2	4	22	0	0	
15.3	Penetration at 25°C 100gm 5	IS : 1203	1 test per Lot	2	2	0	9	9	0	11	11	0	2	2	4	22	0	0	
15.4	Ductility at 27°C	IS : 1208	1 test per Lot	2	2	0	9	9	0	11	11	0	2	2	4	22	0	0	
15.5	Viscosity at 60/135°C (CST)	IS : 1206	As required	2	2	0	9	9	0	11	11	0	2	2	4	22	0	0	
15.6	Absolute viscosity		As required	2	2	0	9	9	0	11	11	0	2	2	4	22	0	0	



Monthly Progress Report - May 2023



16. Emulsion		MORTH 503																	
16.1	RS 1 (Tack coat)	IS : 8887	Per Lot	1	1	0	1	1	0	2	2	0	1	1	2	100	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& H	3 test / day	5	5	0	0	0	0	5	5	0	1	0	1	0	0	0	
17.2	Tack Coat	As per MORTH& H	3 test / day	5	5	0	0	0	0	5	5	0	1	0	1	0	0	0	
18.0 DENSE BITUMINOUS MACADAM GRADING- 2		MORTH 505																	
18.1	Binder Content	As per MORTH& H	1 test / 400Tonne Mix	19	19	0	0	0	0	19	19	0	4	0	4	0	0	0	
18.2	Combined Gradation	As per MORTH& H	1 test / 400Tonne Mix	25	25	0	0	0	0	25	25	0	10	0	10	0	0	0	
18.3	Marshall Test (in Sets)	ASTM D 1559	1 test / 400Tonne Mix	26	26	0	0	0	0	26	26	0	9	0	9	0	0	0	
18.4	A.I.V	IS : 2386 (P-4)	1 test / 350 m³ of Agg.	9	9	0	0	0	0	9	9	0	2	0	2	0	0	0	
18.5	FI & EI	IS : 2386 (P-1)	1 test / 350 m³ of Agg.	9	9	0	0	0	0	9	9	0	2	0	2	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	L.A.V.	IS : 2386 (P-4)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18.8	Stripping Value	IS : 6241	Test/Source	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	
18.9	Core Density Test		1 test / 700sqm	81	81	0	1	1	0	82	82	0	24	0	24	0	1	1	1
Total				50021	50015	6	3436	3431	5	53453	53442	11	9638	650	10288		262	0	262

Total Tests Conducted this Month	3436
Total Tests Witnessed by IE's this Month	650
Total Test Witnessed by IE's in % this Month	18.92%

Total Tests Conducted this Month		3436
Total Tests Witnessed by NHAJ this Month		0
Total Test Witnessed by NHAJ in % this Month		0.00%

19. SITE PHOTOGRAPHS



Sub Grade Laying at Ch- 97+680 to 98+520



Sub Grade at Ch- 98+870 to 99+060



Geogrid Laying at Ch- 101+930 to 102+200



WMM Laying at Ch- 106+540 to 106+650