



Monthly Progress Report –March 2024



## 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

## MARCH-2024

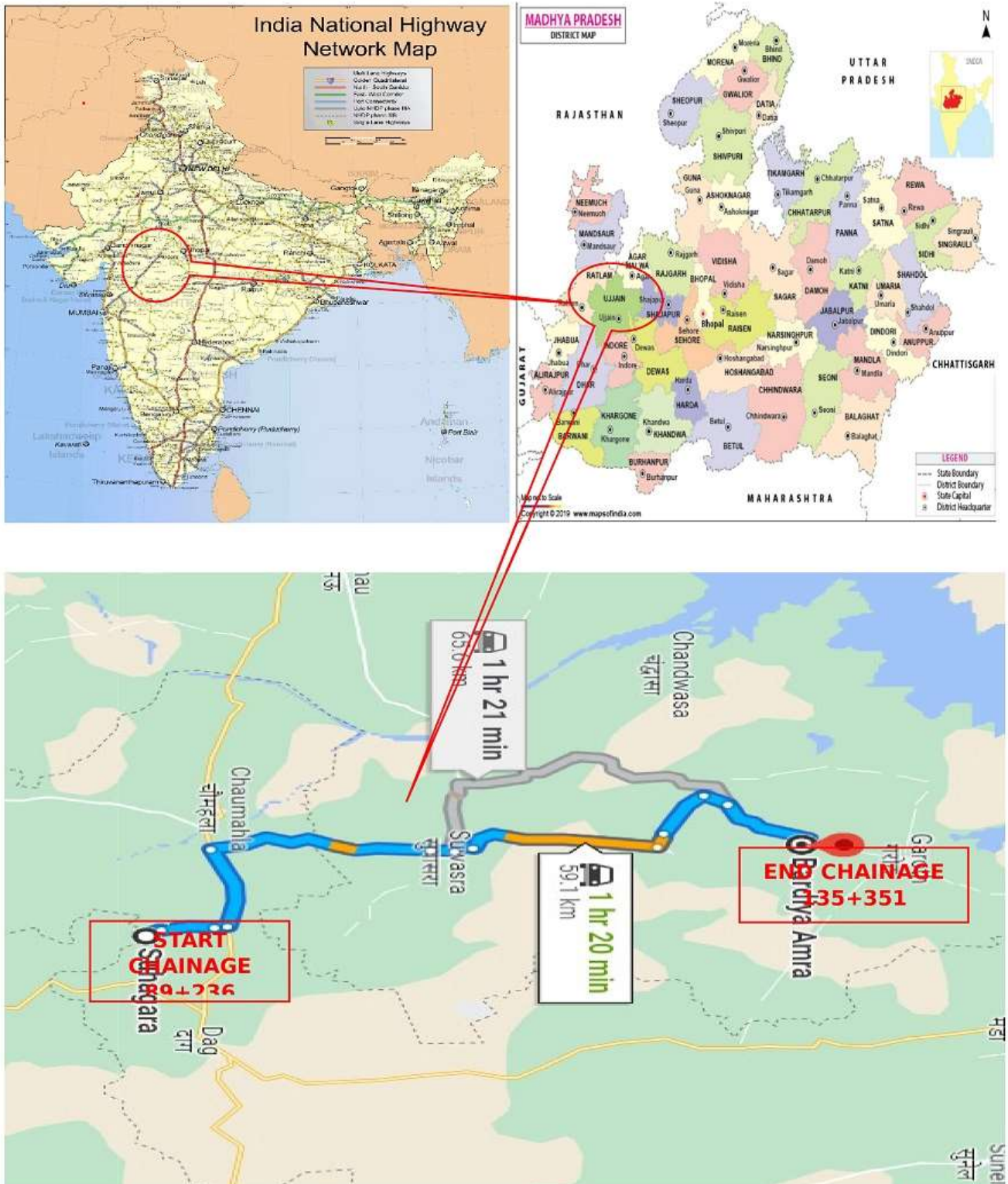
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## 1. SALIENT FEATURES OF THE PROJECT

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.
2	Length of the Project	46.115 Km
3	Bid Project Cost	598.00 Cr
4	Authority	NATIONAL HIGHWAY AUTHORITY OF INDIA
5	Independent Engineer	M/s L.N. Malviya Infra Projects Pvt. Ltd.
6	Concessionaire	M/S MKC Ujjain-Garoth Mahakaleshwar Highway Pvt. Ltd.
7	HAM	M/s. MKC Infrastructure Limited
8	Safety Consultant	Techmodec Consultants Pvt. Ltd
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

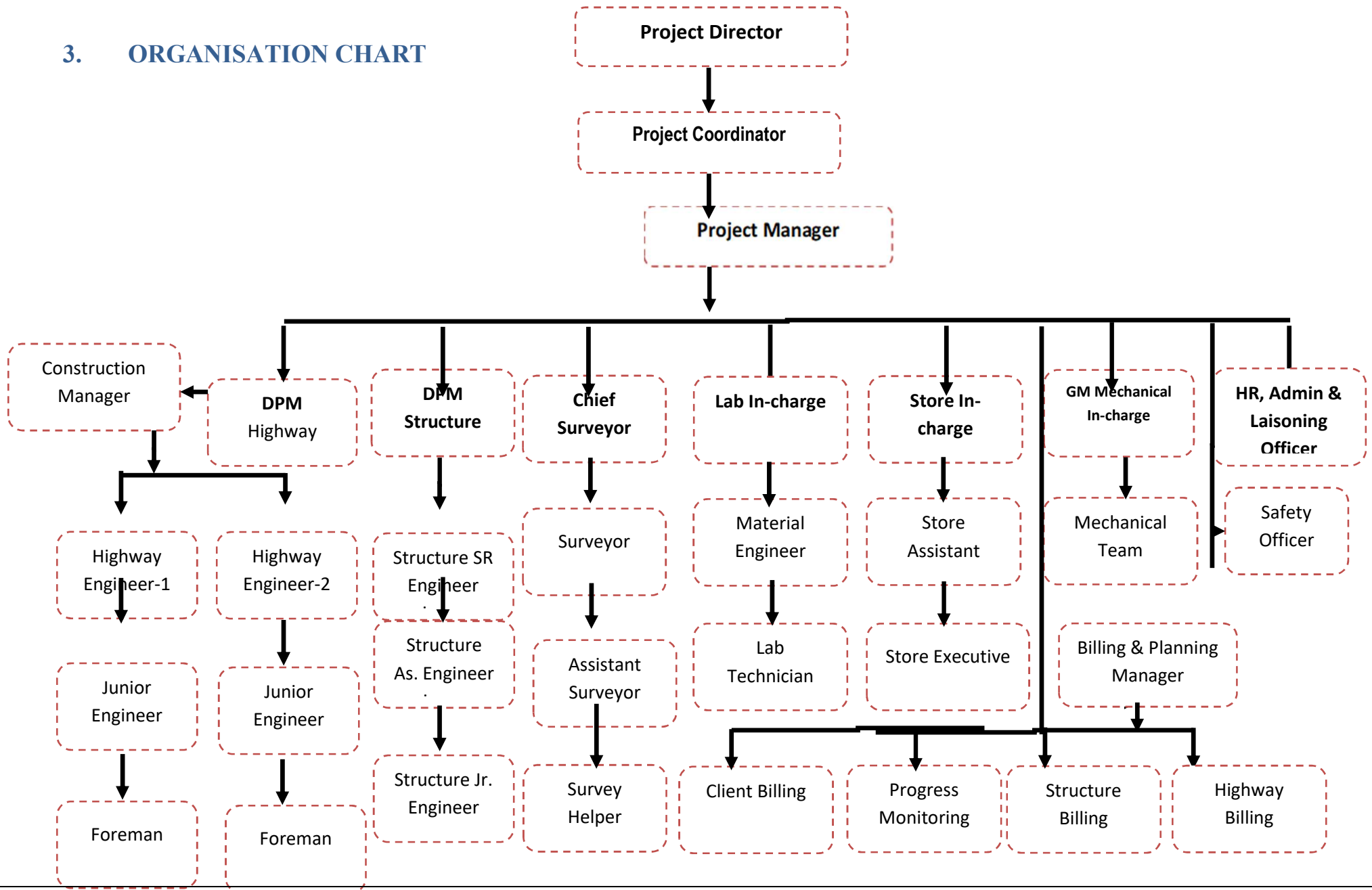
## 2. LOCATION PLAN



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	1.142				Under Process
3	EHT Line Shifting		NHAI					Under Process
4	Approval for Design and Drawings		NHAI					Under Process

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

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



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



## 5. PROJECT COMPLETION SCHEDULE

SI No	Milestone	Days From Appointed Date (04-03-2022)	% Completion	Scheduled Date	Remarks
1	Milestone-I	133 <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	Achieved as per Milestone C.A .Dated 16-08-2023
3	Milestone-III	404 <sup>th</sup> Days	75%	25-11-2023	1. Achieved 22.02.2024 as per the availability of land after 122 days from AD 2. Achieved 31.03.2024 as per CA
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	Achieved on 28-08-2023
6	VI (Sixth)	50% of Physical Progress	Achieved on 25.12.2023
7	VII (Seventh)	60 % of Physical Progress	Achieved on 16.02.2024
8	VIII (Eighth)	70 % of Physical Progress	Achieved on 21.03.2024
9	IX (Ninth)	80 % of Physical Progress	In Progress
10	X (Tenth)	90 % of Physical Progress	

## 7. MOBILISATION OF PLANT & MACHINERY

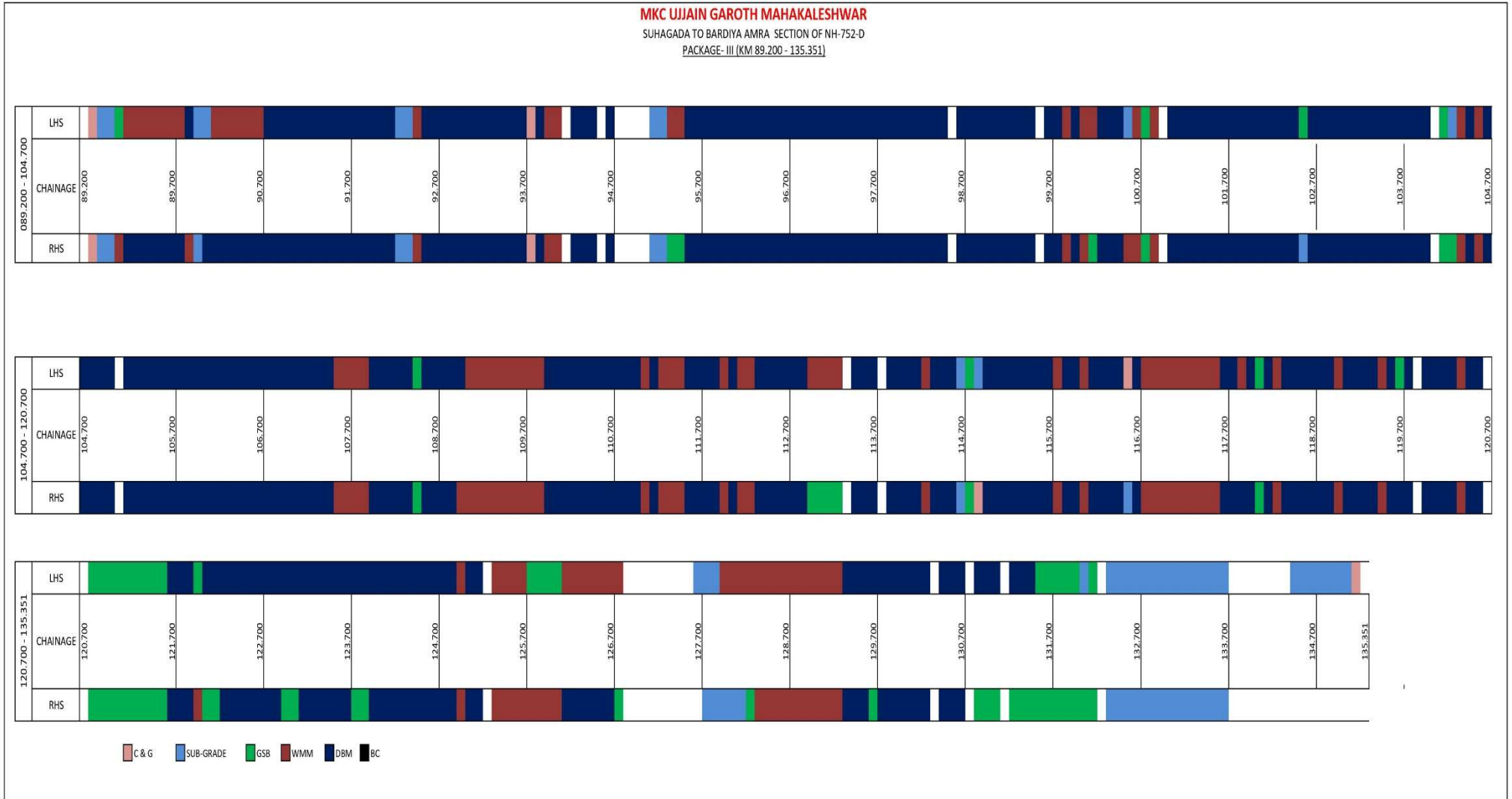
Plant & Machinery available at site As on 31.03.2024				
S.No.	Item Description	Unit	Quantity	Remarks
1	Excavator (20 Ton)	Nos.	25	
2	Tipper	Nos.	80	
3.	Wheel Loader	Nos.	04	
4.	Motor Grader	Nos.	17	
5	Crane /Hydra	Nos.	07	
6	Soil Compactor	Nos.	20	
7	Backhoe Loader	Nos.	05	
8	Mobile Crane	Nos.	01	
9	Transit Mixers	Nos.	18	
10	Water Tanker	Nos.	19	
11	Trailer	Nos.	02	
12	Weigh Bridge	Nos.	02	
13	Utility Vehicles	Nos.	05	
14	Crusher Plant	Nos.	06	
15	WMM Plant	Nos.	01	
16	Concrete Batching Plant (CP 30)	Nos.	02	
17	Broomer	Nos.	03	
18	Browser	Nos.	04	
19	Hot Mix Plant (In Pipeline)	Nos	01	
20	DG Sets	Nos.	08	
21	Diesel Tanker	Nos.	02	
22	Bike	Nos.	23	
23	LMV	Nos.	12	
24	Compressor	Nos.	05	
25	Cement Silo 120 MT	Nos.	2	
26	Tractor Trolley	Nos.	7	
27	JCB	Nos.	05	
28	Dozer	Nos.	04	
<b>Total</b>			<b>316</b>	

## 8. MOBILISATION OF MANPOWER

Sr. No.	Designation	Available at Site	Remarks
<b>Overall Responsibility of Projects</b>			
1	Mr. Manmohan Singh Yadav (Project Co-ordinator)	1	
2	Mr. Hardik Sukhadia (Project Manager)	1	
3	Mr. Vaibhav Kumar Chouksey	1	
<b>Highways</b>			
3	Mr. Virendra Yadav (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	Miss Nidhi Verma (Sr. Engineer)	1	
13	Engineer	4	
14	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>			
23	Mr. Naresh (Deputy Manager)	1	
24	Mr. Vikash Pandey (Sr. Executives)	0	
<b>HR &amp; Admin</b>			
25	Mr. Dharmendar (Manager Liasioning)	1	
26	Mr. Chetan Joshi (Liasioning)	1	
27	Officer	1	
28	Supervisor	1	

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

## 9. HIGHWAY STRIP CHART



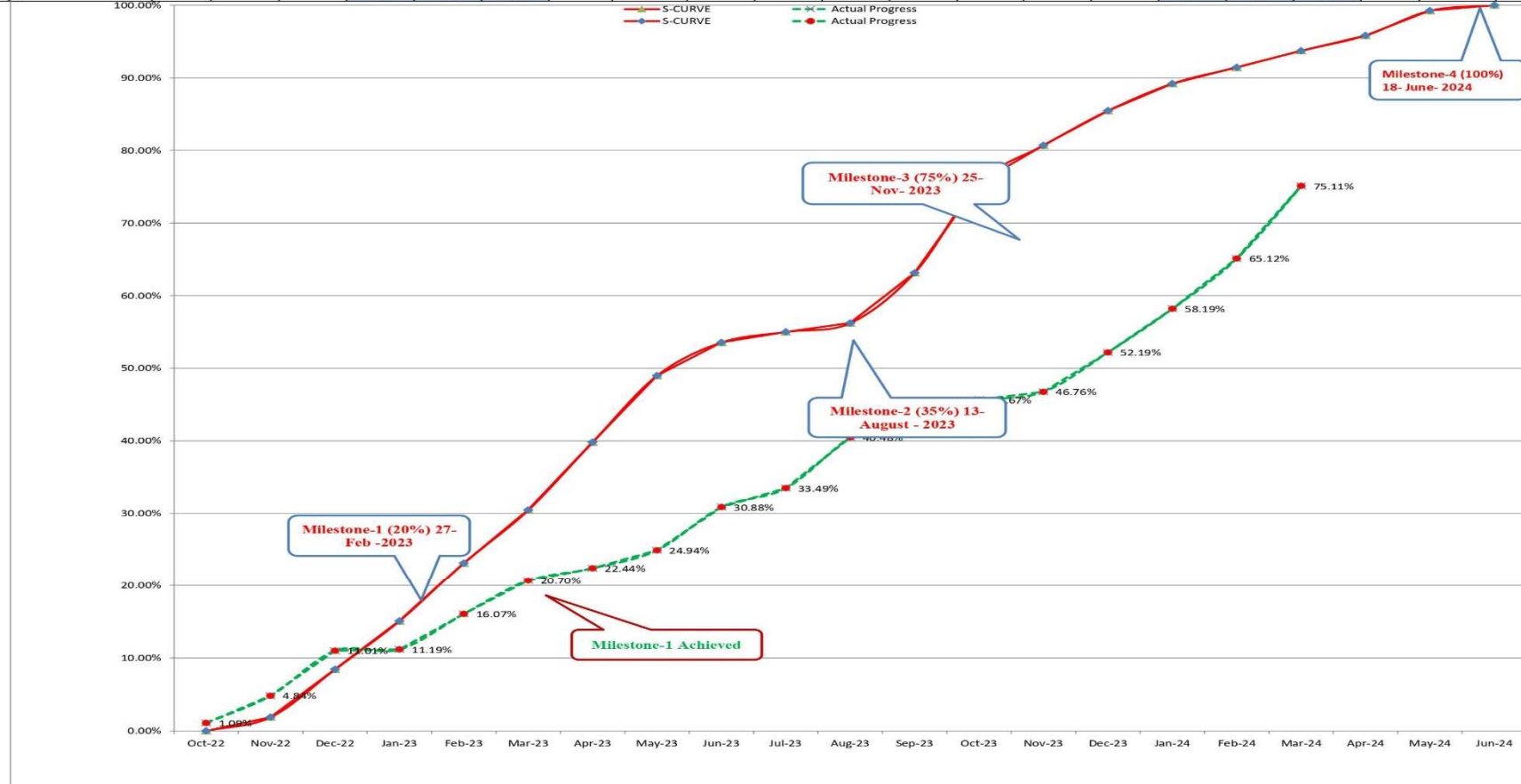


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10 S-Curve:-

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 (LOA No. NHA/HQ/MP/Ujjain Garoth/Package III) on HAM mode under																							
Authority: NATIONAL HIGHWAYS AUTHORITY OF INDIA																							
Independent Engineer: L.N. Malviya Infra Projects Pvt. Ltd.																							
Concessionaire: MKC Ujjain-Garoth Mahakaleshwar Highway Pvt. Ltd.																							
EPC Contractor: MKC Infrastructure Limited																							
Mile Stone-	1st Milestone- 20 % (133 Days From Appointed Date)					2nd Milestone- 35% (300 Days From Appointed Date)					3rd Milestone- 75% (404 Days)					Schedule Completion Date - 100% (610 Days From Appointed Date)					Schedule Completion	Remarks	
Month-	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		
Days-																							



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%	6.99%	4.21%	0.98%	1.09%	5.43%	6.00%	6.93%	9.99%			
Cumulative Progress	1.09%	4.84%	11.01%	11.19%	16.07%	20.70%	22.44%	24.94%	30.88%	33.49%	40.48%	44.69%	45.67%	46.76%	52.19%	58.19%	65.12%	75.11%			

### 11. STRUCTURE STRIP CHART

BOX CULVERT													
S.No	TYPE OF STRUCTURE	LHS					RHS						
		Super Structure	Sub Structure	Foundation	PCC	Excavation	Final Location of Structure	Span Arrangement	Excavation	PCC	Foundation	Sub Structure	Super Structure
1	Box Culvert						89+374	1x3x3					
2	Box Culvert						89+938	1x3x3					
3	Box Culvert						90+710	1x5x3					
4	Box Culvert						91+547	1x5x3					
5	Box Culvert						92+340	1x5x4					
6	Box Culvert						93+081	1x3x3					
7	Box Culvert						93+395	1x2x2					
8	Box Culvert						94+008	1x5x3					
9	Box Culvert						94+400	1x3x3					
10	Box Culvert						94+930	1x2x2					
11	Box Culvert						96+250	1x3x3					
12	Box Culvert						96+626	1x5x4					
13	Box Culvert						97+558	1x5x4					
14	Box Culvert						99+900	1x3x3					
15	Box Culvert						100+100	1x5x3					
16	Box Culvert						100+158	1x5x4					
17	Box Culvert						100+750	1x2x2					
18	Box Culvert						101+750	1x2x2					
19	Box Culvert						101+893	1x2x2					
20	Box Culvert						102+600	1x5x3					
21	Box Culvert						103+274	1x3x3					
22	Box Culvert						103+610	1x2x2					

23	Box Culvert						104+050	1x3x3												
24	Box Culvert						104+414	1x3x3												
25	Box Culvert						105+580	1x3x3												
26	Box Culvert						105+936	1x3x3												
27	Box Culvert						106+350	1x2x2												
28	Box Culvert						106+667	1x3x3												
29	Box Culvert						107+161	1x3x3												
30	Box Culvert						107+863	1x3x3												
31	Box Culvert						108+747	1x3x3												
32	Box Culvert						109+560	1x5x3												
33	Box Culvert						109+725	1x3x3												
34	Box Culvert						110+008	1x2x2												
35	Box Culvert						110+448	1x2x2												
36	Box Culvert						111+098	1x3x3												
37	Box Culvert						111+745	1x3x3												
38	Box Culvert						111+931	1x3x3												
39	Box Culvert						112+000	1x3x3												
40	Box Culvert						112+600	1x3x3												
41	Box Culvert						113+600	1x5x3												
42	Box Culvert						113+360	1x3x3												
43	Box Culvert						114+043	1x5x3												
44	Box Culvert						114+480	1x3x3												
45	Box Culvert						115+125	1x3x3												
46	Box Culvert						115+250	1x3x3												
47	Box Culvert						115+800	1x5x3												
48	Box Culvert						116+400	1x3x3												
49	Box Culvert						116+750	1x3x3												
50	Box Culvert						117+240	1x3x3												
51	Box Culvert						117+910	1x5x4												



52	Box Culvert						118+480	1x3x3											
53	Box Culvert						118+555	1x3x3											
54	Box Culvert						118+822	1x3x3											
55	Box Culvert						119+000	1x2x2											
56	Box Culvert						119+506	1x3x3											
57	Box Culvert						120+159	1x5x3											
58	Box Culvert						120+560	1x3x3											
59	Box Culvert						120+400	1x3x3											
60	Box Culvert						121+017	1x3x3											
61	Box Culvert						121+230	1x5x4											
62	Box Culvert						121+311	1x3x3											
63	Box Culvert						122+007	1x3x3											
64	Box Culvert						122+350	1x3x3											
65	Box Culvert						122+550	1x3x3											
66	Box Culvert						123+950	1x3x3											
67	Box Culvert						123+420	1x3x3											
68	Box Culvert						123+733	1x5x4											
69	Box Culvert						124+085	1x2x2											
70	Box Culvert						124+777	1x2x2											
71	Box Culvert						125+870	1x3x3											
72	Box Culvert						125+550	1x3x3											
73	SVUP TO BC						125+726	1x5x3											
74	Box Culvert						126+170	1x3x3											
75	Box Culvert						126+388	1x3x3											
76	Box Culvert						126+562	1x2x2											
77	Box Culvert						127+938	1x2x2											
78	Box Culvert						128+243	1x3x3											
79	Box Culvert						128+652	1x5x3											
80	Box Culvert						128+852	1x2x2											

81	Box Culvert						129+702	1x5x3					
82	Box Culvert						130+400	1x2x2					
83	Box Culvert						130+600	1x3x3					
84	Box Culvert						131+200	1x3x3					
85	Box Culvert						131+343	1x2x2					
86	Box Culvert						131+830	1x5x3					
87	Box Culvert						132+107	1x2x2					
88	Box Culvert						132+400	1x3x3					
89	Box Culvert						132+740	1x2x2					
90	Box Culvert						132+790	1x5x4					
91	Box Culvert						133+125	1x5x3					
92	Box Culvert						133+363	1x3x3					
93	Box Culvert						133+712	1x3x3					
94	Box Culvert						133+885	1x3x3					
95	Box Culvert						134+400	1x2x2					

MNB														
S.No	TYPE OF STRUCTURE	Super Structure	Sub Structure	Foundation	PCC	Excavation	Final Location of Structure	Span Arrangement	Excavation	PCC	Foundation	Sub Structure	Super Structure	
		LHS								RHS				
1	MNB						90+028	5x6						
2	MNB						93+784	3x6.7						
3	MNB						94+220	6x6.7						
4	MNB						94+605	5x6						
5	MNB						98+600	3x6.7						
6	MNB						99+345	2x5						
7	MNB						99+592	6x6.7						
8	MNB						100+750	6x6.7						
9	MNB						101+000	6X6.7						

10	MNB						104+086	6x6.7						
11	MNB						104+251	3x6.7						
12	MNB						105+097	5x6						
13	MNB						107+929	2X5						
14	MNB						108+513	2X5						
15	MNB						110+659	2X5						
16	MNB						111+554	5X6						
17	MNB						113+409	6X6.7						
18	MNB						114+730	3X6.7						
19	MNB						116+157	3X6.7						
20	MNB						116+595	3X6.7						
21	MNB						118+074	2x5						
22	MNB						118+320	2X5						
23	MNB						119+346	2X5						
24	MNB						119+734	2X5						
25	MNB						120+682	6x6.7						
26	MNB						121+620	3x6.7						
27	MNB						123+020	3x6.7						
28	MNB						125+305	2x5						
29	MNB						125+447	2X5						
30	MNB						130+147	2X5						
31	MNB						131+662	2X5						
32	MNB						133+285	2x5						

Underpass													
S.No	TYPE OF STRUCTURE	Super Structure	Sub Structure	Foundation	PCC	Excavation	Final Location of Structure	Span Arrangement	Excavation	PCC	Foundation	Sub Structure	Super Structure
LHS							RHS						
1	VUP						95+058	2x12.0x5.5					
2	LVUP						104+653	1X12.0X4.0					
3	SVUP						110+841	1X7.0X4.0					
4	LVUP						114+901	1X12.0X4.0					
5	SVUP						119+903	1X7.0X4.0					

6	SVUP						126+818	1X7.0X4.0					
7	LVUP						127+512	1X12.0X4.0					
8	VUP						134+119	1X12X5.5					

MJB													
S.No	TYPE OF STRUCTURE	Super Structure	Sub Structure	Foundation	PCC	Excavation	Final Location of Structure	Span Arrangement	Excavation	PCC	Foundation	Sub Structure	Super Structure
		LHS							RHS				
1	MJB						113+817	10x7.5					
2	MJB						130+817	12x6.0					

## 12. PROGRESS REPORT

- HIGHWAYS: -**

SI No	Description	Total (Km)	Completed (Km)	Balance (Km)	% Of Completion
1	Sub-grade	88.902	83.57	5.32	94.01%
2	GSB	88.362	82.06	6.30	92.87%
3	WMM 1st Layer with Geogrid	88.362	73.27	15.09	82.92%
4	AI (WMM)	88.362	70.07	18.29	79.30%
5	DBM	88.362	63.81	24.55	72.21%
6	BC	88.362	0.00	88.36	0.00%

- STRUCTURE: -**

SI No	Description	Total (Nos)	Completed (Nos)	In Progress (Nos)	Balance (Nos)
1	Box Culvert	190	186	4	0
2	MNB	32	31	1	0
3	MJB	2	1	1	0
4	SVUP	3	2	1	0
5	LVUP	3	2	1	0
6	VUP	2	2	0	0

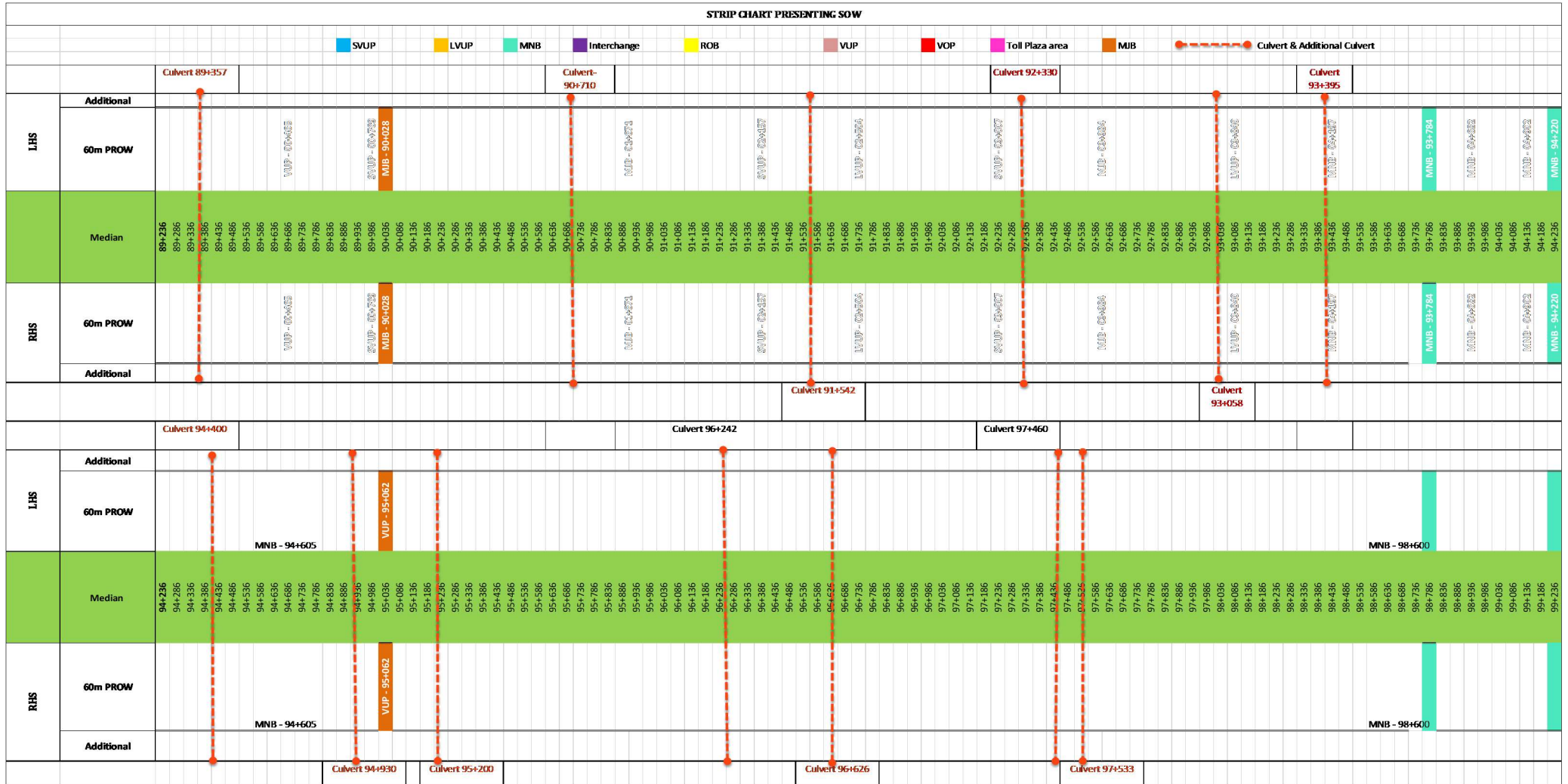
- CONSTRUCTION PROGRESS IN CURRENT MONTH: -**

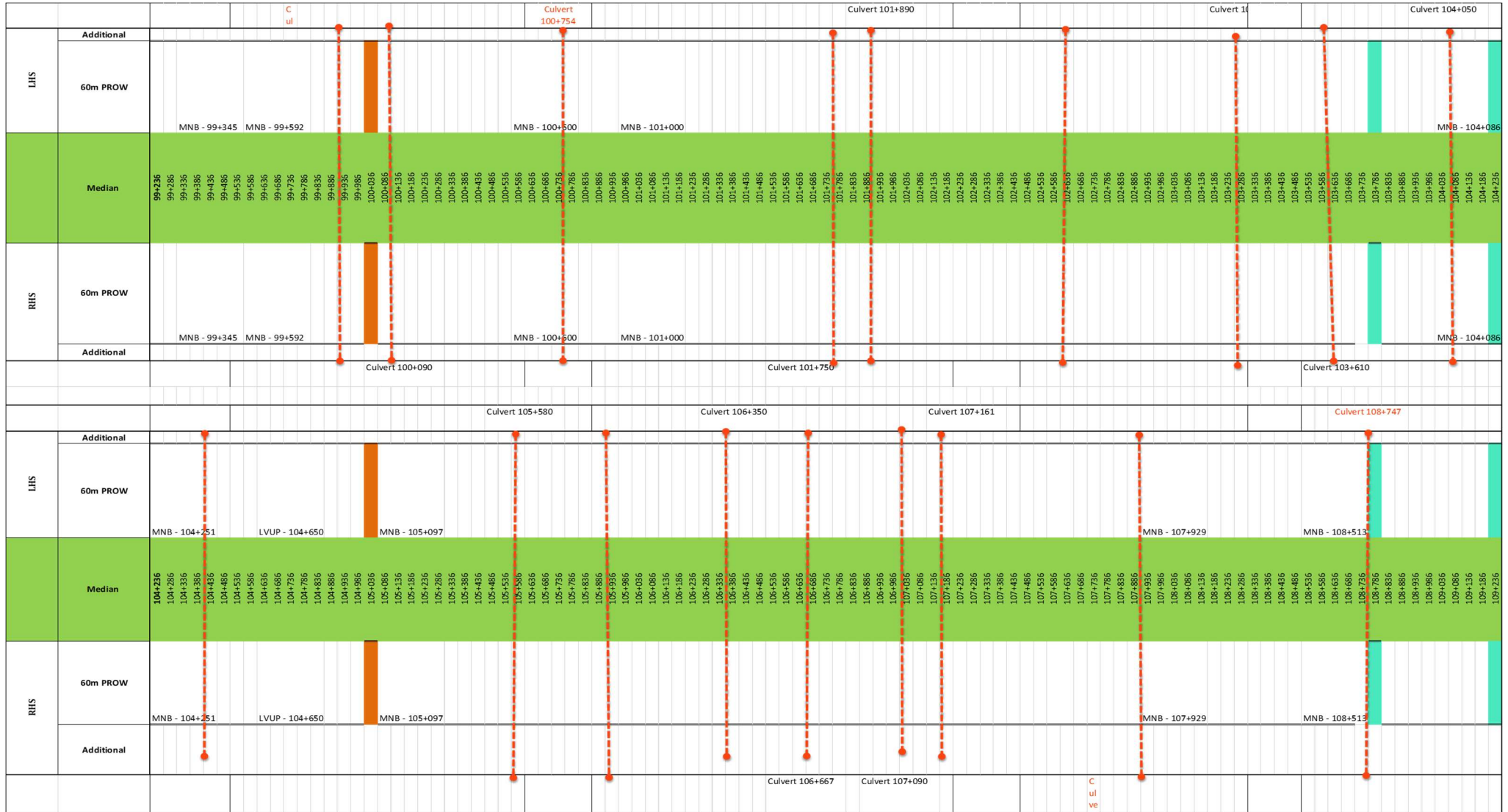
SI No	Description	Up to previous month as per Schedule	Up to previous month Achieved	This month as per Schedule	This month Achieved	Cumulative as per Schedule	Cumulative Achieved
1	Physical Progress	91.43%	65.13%	2.30%	9.98%	93.73%	75.11%
2	Expenditure (In Cr)	546.77	389.48	13.71	59.68	560.48	449.16

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

- Issues: -**

• Detailed Strip Plan:-





		Culvert 109+680										Culvert 110+448										Culvert 111+730										Culvert 112+										Culvert 113+										Culvert 114+																																																																																																																																																					
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	Median	109+286	109+286	109+336	109+336	109+386	109+386	109+436	109+436	109+486	109+486	109+536	109+536	109+586	109+586	109+636	109+636	109+686	109+686	109+736	109+736	109+786	109+786	109+836	109+836	109+886	109+886	109+936	109+936	109+986	109+986	110+036	110+036	110+086	110+086	110+136	110+136	110+186	110+186	110+236	110+236	110+286	110+286	110+336	110+336	110+386	110+386	110+436	110+436	110+486	110+486	110+536	110+536	110+586	110+586	110+636	110+636	110+686	110+686	110+736	110+736	110+786	110+786	110+836	110+836	110+886	110+886	110+936	110+936	110+986	110+986	111+036	111+036	111+086	111+086	111+136	111+136	111+186	111+186	111+236	111+236	111+286	111+286	111+336	111+336	111+386	111+386	111+436	111+436	111+486	111+486	111+536	111+536	111+586	111+586	111+636	111+636	111+686	111+686	111+736	111+736	111+786	111+786	111+836	111+836	111+886	111+886	111+936	111+936	111+986	111+986	112+036	112+036	112+086	112+086	112+136	112+136	112+186	112+186	112+236	112+236	112+286	112+286	112+336	112+336	112+386	112+386	112+436	112+436	112+486	112+486	112+536	112+536	112+586	112+586	112+636	112+636	112+686	112+686	112+736	112+736	112+786	112+786	112+836	112+836	112+886	112+886	112+936	112+936	112+986	112+986	113+036	113+036	113+086	113+086	113+136	113+136	113+186	113+186	113+236	113+236	113+286	113+286	113+336	113+336	113+386	113+386	113+436	113+436	113+486	113+486	113+536	113+536	113+586	113+586	113+636	113+636	113+686	113+686	113+736	113+736	113+786	113+786	113+836	113+836	113+886	113+886	113+936	113+936	113+986	113+986	114+036	114+036	114+086	114+086	114+136	114+136	114+186	114+186	114+236	114+236
RHS	60m PROW																																																																																																																																																																																																								
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	Median	114+236	114+286	114+336	114+336	114+386	114+386	114+436	114+436	114+486	114+486	114+536	114+536	114+586	114+586	114+636	114+636	114+686	114+686	114+736	114+736	114+786	114+786	114+836	114+836	114+886	114+886	114+936	114+936	114+986	114+986	115+036	115+036	115+086	115+086	115+136	115+136	115+186	115+186	115+236	115+236	115+286	115+286	115+336	115+336	115+386	115+386	115+436	115+436	115+486	115+486	115+536	115+536	115+586	115+586	115+636	115+636	115+686	115+686	115+736	115+736	115+786	115+786	115+836	115+836	115+886	115+886	115+936	115+936	115+986	115+986	116+036	116+036	116+086	116+086	116+136	116+136	116+186	116+186	116+236	116+236	116+286	116+286	116+336	116+336	116+386	116+386	116+436	116+436	116+486	116+486	116+536	116+536	116+586	116+586	116+636	116+636	116+686	116+686	116+736	116+736	116+786	116+786	116+836	116+836	116+886	116+886	116+936	116+936	116+986	116+986	117+036	117+036	117+086	117+086	117+136	117+136	117+186	117+186	117+236	117+236	117+286	117+286	117+336	117+336	117+386	117+386	117+436	117+436	117+486	117+486	117+536	117+536	117+586	117+586	117+636	117+636	117+686	117+686	117+736	117+736	117+786	117+786	117+836	117+836	117+886	117+886	117+936	117+936	117+986	117+986	118+036	118+036	118+086	118+086	118+136	118+136	118+186	118+186	118+236	118+236	118+286	118+286	118+336	118+336	118+386	118+386	118+436	118+436	118+486	118+486	118+536	118+536	118+586	118+586	118+636	118+636	118+686	118+686	118+736	118+736	118+786	118+786	118+836	118+836	118+886	118+886	118+936	118+936	118+986	118+986	119+036	119+036	119+086	119+086	119+136	119+136	119+186	119+186	119+236	119+236
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		Culvert 120+159										Culvert 120+400				Culvert 121+230						122+007				Culvert 122+500						Culvert 123+420		Culvert 123+950																													
LHS	Additional																					Culvert		121+017		121+311																						Culvert		123+420													
	60m PROW																					Culvert		121+017		121+311																						Culvert		123+420													
Median	119+236																					Culvert		121+017		121+311																						Culvert		123+420													
	119+286																					Culvert		121+017		121+311																						Culvert		123+420													
RHS	60m PROW																					Culvert		121+017		121+311																						Culvert		123+420													
	Additional																					Culvert		121+017		121+311																						Culvert		123+420													
LHS	Additional	Culvert 124+085																						Culvert		Culvert 126+170				Culvert 126+561																								Culvert		128+420							
	60m PROW	Culvert 124+085																						Culvert		Culvert 126+170				Culvert 126+561																								Culvert		128+420							
Median	124+236	Culvert 124+085																						Culvert		Culvert 126+170				Culvert 126+561																								Culvert		128+420							
	124+286	Culvert 124+085																						Culvert		Culvert 126+170				Culvert 126+561																								Culvert		128+420							
RHS	60m PROW	Culvert 124+085																						Culvert		Culvert 126+170				Culvert 126+561																								Culvert		128+420							
	Additional	Culvert 124+085																						Culvert		Culvert 126+170				Culvert 126+561																								Culvert		128+420							

		Culvert 129+712										Culvert 131+200					Culvert 131+830					13	Culvert 133+125					Culvert 133+180					Culvert 135+280																																																																					
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Median		129+236	129+286	129+336	129+386	129+436	129+486	129+536	129+586	129+636	129+686	129+736	129+786	129+836	129+886	129+936	129+986	130+036	130+086	130+136	130+186	130+236	130+286	130+336	130+386	130+436	130+486	130+536	130+586	130+636	130+686	130+736	130+786	130+836	130+886	130+936	130+986	131+036	131+086	131+136	131+186	131+236	131+286	131+336	131+386	131+436	131+486	131+536	131+586	131+636	131+686	131+736	131+786	131+836	131+886	131+936	131+986	132+036	132+086	132+136	132+186	132+236	132+286	132+336	132+386	132+436	132+486	132+536	132+586	132+636	132+686	132+736	132+786	132+836	132+886	132+936	132+986	133+036	133+086	133+136	133+186	133+236	133+286	133+336	133+386	133+436	133+486	133+536	133+586	133+636	133+686	133+736	133+786	133+836	133+886	133+936	133+986	134+036	134+086	134+136	134+186	134+236
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Median		134+236	134+286	134+336	134+386	134+436	134+486	134+536	134+586	134+636	134+686	134+736	134+786	134+836	134+886	134+936	134+986	135+036	135+086	135+136	135+186	135+236	135+286	135+336	135+386																																																																													
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### 13. LAND ACQUISITION AND CLEARANCE

Description	Land (Km)	Remark
Total Land Required	46.115	
Available Land Till 29.02.2024 (LHS)	44.973	
Available Land Till 29.02.2024 (RHS)	44.973	
Unavailable Land Till 29.02.2024 (LHS)	1.142	
Unavailable Land Till 29.02.2024 (RHS)	1.142	

Si. No.	Chainage		Effected Length (M)	Remark
	From	To		
1	101+150	101+200	50	Arbitration due to well
2	109+000	109+650	650	Approval pending NHAI UJJAIN
3	121+200	121+400	200	Approval pending NHAI UJJAIN
4	122+170	122+190	20	Approval pending NHAI UJJAIN
5	122+200	122+230	30	SDM Garoth
6	126+828	126+850	22	SDM Garoth
7	127+000	127+010	10	SDM Garoth
8	128+620	128+680	60	SDM Garoth
9	132+300	132+350	50	Approval pending NHAI UJJAIN
10	133+500	133+550	50	SDM Garoth
<b>Total Length</b>			<b>1142</b>	

## 14. PHYSICAL PROGRESS

PHYSICAL PROGRESS AS ON 31.03.2024						
Item Description	Unit	Scope of Work		Work done (Physical Progress)		Remarks
		Quantity	%	Quantity	%	
(1) Earthwork up to top of the sub-grade	L-Km	88.902	15.680%	83.574	14.74%	
(2) Granular work (sub-base, base, shoulders)				0		
(a) CTSB/GSB	L-Km	88.362	5.700%	82.06	5.29%	
(b-1) WMM 1st Layer with Triaxial Geogrid Reinforced Material	L-Km	88.362	4.000%	73.27	3.32%	
(b-2) WMM Top Layer	L-Km	88.362	2.200%	70.07	1.74%	
(3) Shoulders	L-Km	88.362	0.060%	66.021	0.04%	
(4) Bituminous work				0		
(a) DBM	L-Km	88.362	6.390%	63.81	4.61%	
(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%	186	7.65%	
<b>(2) Minor bridges</b>						
(a) Foundation	No.	32.00	5.52%	32	5.52%	
(b) Sub-structure	No.	32.00	4.80%	31	4.65%	
(c) Super-structure (including crash barriers etc. complete)	No.	32.00	4.81%	31	4.66%	
<b>(5) Grade separated structures</b>						
<b>(a) Underpasses</b>						
(i) Foundation	No.	8.00	0.050%	7	0.04%	
(ii) Sub-structure	No.	8.00	1.740%	7	1.52%	
(iii) Super-structure (including crash barriers etc. Complete)	No.	8.00	0.170%	7	0.15%	
<b>C- New Major Bridges</b>						
(1) Foundation	No.	2.00	1.510%	2	1.51%	
(2) Sub-structure	No.	2.00	0.420%	1.5	0.32%	
(3) Super-structure (including crash barriers etc. complete)						
(i) Super Structure - Box	No.					
(ii) Casting of Girders (40%)	No.	2.00	0.576%	1.5	0.43%	
(iii) Girder Erection & Deck Slab (60%)	No.	2.00	0.864%	1.5	0.65%	
<b>D - New rail-road bridges (a) ROB</b>						
(1) Foundation	No.	1.00	0.570%	1	0.57%	
(2) Sub-structure	No.	1.00	0.330%	0.9	0.30%	

(3) Super-structure (including crash barriers etc. Complete		1.00				
(i) Casting of Pre-Cast Girder (40%)	No.	1.00	0.590%	1	0.59%	
(ii) Remaining work of Super Structure including crash barriers etc. (60%)	No.	1.00	0.880%	0	0.00%	
<b>(4) Reinforced Earth Wall (Includes Approaches of ROB, Underpasses, Overpasses, Flyover etc.)</b>						
(i) Casting of RE Wall RCC Blocks (5%)	Sqm.	19,877.00	0.173%	18,977.50	0.17%	
(ii) Completion of RE Wall Erection (including RCC crash barriers with Friction Slab etc. Complete	Sqm.	19,877.00	3.290%	15182	2.51%	
<b>Other Works</b>						
(i) Service roads/ Slip Roads	km	2,708.00	0.850%	1713.7	0.54%	
<b>(ii) (a) Main Toll Plaza</b>						
a. Completion of PQC (30%)	No.	1.00	0.465%	1	0.47%	
b. Completion of Building Works (30%)	No.	1.00	0.465%	1	0.47%	
c. Completion of all finishing works including building and toll Plaza & Fixing of equipment's (40%)	No.	1.00	0.620%	0.3	0.19%	
<b>(ii) (b) Toll Plaza on Entry &amp; Exit Ramp</b>						
a. Compilation of PQC (30%)	No.	4.00	0.882%	3	0.66%	
b. Compilation of Building Works (30%)	No.	4.00	0.882%	2	0.44%	
c. Compilation of all finishing works including building and toll Plaza & Fixing of equipment's (40%)	No.	4.00	1.176%	0	0.00%	
(iii) Road Side Drain (Unlined)	km	88.90	0.340%	45.14	0.17%	
<b>(iv) Road signs, marking, Km stones, Safety Devices</b>						
(iv) (a) Road signs, marking, Km stones etc.	km	88.90	1.940%	6	0.13%	
(iv) (b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work	km	151.50	9.490%	102.92	6.45%	
(iv) (c) Steel Railing	km	5.57	0.080%	2.10	0.03%	
<b>(v) Project Facilities</b>						
(v) (a) Bus Shelter	No.	4.00	0.020%	0	0.00%	
(v) (c) Truck Lay Bye cum Rest area	No.	1.00	0.920%	0	0.00%	

(v) (d) Electrification (Highway Lighting including lighting provisions at MCW, Slip Road, Service Road, Bus Bays, Truck Lay Bys, Junctions etc. as per Schedule-B, C & D. Nos. shall be finalized after finalization of lighting Plan & Design)	km	46.10	0.510%	0	0.00%	
(v) (e) Toilet Block	No.	22.00	0.210%	14	0.13%	
(vii) Road side/Median plantation	No.	36,880.00	0.840%	0	0.00%	
(vii) Protection Works						
(viii) (a) Boulder Pitching on slopes	km	0.83	0.150%	0	0.00%	
(viii) (b) Toe Wall/Retaining wall/Boundary Wall	km	2.60	0.110%	1.52	0.06%	
(viii) (c) River Training Work	km	0.83	0.160%	0	0.00%	
(x) Miscellaneous Works						
(x) (c) Connecting Road	km	3.30	0.430%	1.39	0.18%	
(x) (d) Tree Cutting	km	88.90	0.020%	88.902	0.02%	
(x) (e) (a) Major Junction	No.	2.00	0.220%	1	0.11%	
(x) (e) (b) Minor Junction	No.	16.00	0.180%	1	0.01%	
(x) (f) Rain Water Harvesting System	No.	92.00	0.210%	66	0.15%	
(x) (h) ATMS	km	46.10	2.020%		0.00%	
(x) (i) Pathway	km	4.50	0.270%	1.12	0.07%	
(x) (j) Utility Shifting	km	46.10	3.867%	45.9	3.85%	
<b>Upto date Physical Progress=</b>					<b>75.1%</b>	<b>449.16</b>
<b>Since Previous Progress=</b>					<b>65.1%</b>	<b>389.48</b>
<b>This Month Progress=</b>					<b>9.98%</b>	<b>59.68</b>

## 15. CORRESPONDENCE

### • Details of Incoming Letters - IE

S. No	Letter No.	Date	Subject
1.	LNMIPPL/Ujjain-Garoth/2023-24/1162/U-G-3	04.03.2024	1162.Regarding Joint Monthly Site Inspection Report for the Month of February 2024.
2.	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/1173	06.03.2024	1173.Regarding Provision of Thire Beam Crash Barrier (Ujjain-Garoth Pkg- II,III).
3.	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/1182/U-G-3	06.03.2024	1182.Regarding Submission of GAP Report-3
4.	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/1183/U-G-3	06.03.2024	1183.Regarding Subission of Draft Construction Stage Safety Audit Report-4
5.	LNMIPPL/PD/NHAI/Ujjain-Garoth/2023-24/1192/U-G-3	09.03.2024	1192. Regarding Approval of Borrow Area No.-37

### • Details of Incoming Letters – NHAI

S. No	Letter No.	Date	Subject
1.	NHAI/PIU/UJJAIN/UG-III/RSA/2024/444	04.03.2024	Letter No_444 Provision of Thire beam crash barrier on Ujjain-Garoth (Pkg.III)-reg.
2.	NHAI/PIU/UJJAIN-GAROTH-03/2024/457	05.03.2024	Letter No_457 अंतर्गत कि.मी. 109+650 (NH-752D) पर क्रास कर रही लोक निर्माण विभाग सडक सुवासरा -रूणीजा सडक की कनेक्टिविटी देने वाबदा
3.	NHAI/PIU/UJJAIN-GAROTH-03/VIP/2024/458	05.03.2024	Letter No_458 अंतर्गत कि.मी. 109+670 (NH-752D) पर क्रास कर रही लोक निर्माण विभाग सडक सुवासरा -रूणीजा सडक की कनेक्टिविटी देने वाबदा
4.	NHAI/PIU/UJJAIN/UB/RSC/2024/463	06.03.2024	Letter No_463 Audit Completion Meeting - Reg.
5.	NHAI/PIU/UJJAIN/2024/466	06.03.2024	Letter No_466 ब्रक्षारोपन किये जाने हेतु प्राक्कलन उपलब्ध किये जाने के संबंध में।
6.	NHAI/PIU/CALA-Sitamau/2024/469	06.03.2024	Letter No_469 अंतर्गत मुआवजा वितरण किए जाने के संबंध में।
7.	NHAI/PIU/UJJAIN/UG-3/PG/2024/491	09.03.2024	Letter No_491 ग्राम ढाबला गुर्जर में कनेक्टिविटी देने के संबंध में।
8.	NHAI/PIU/UJJAIN/UG-3/PG/2024/492	09.03.2024	Letter No_492 अंतर्गत निर्मित मार्ग ढाबला गुर्जर से गुराडियामाता मार्ग क्षतिग्रस्त होने के संबंध में।
9.	NHAI/PIU/UJJAIN/UG-3/WRD/2024/502	11.03.2024	Letter No_502 DamageBroken WRD pipeline under ROW-reg.
10.	NHAI/PIU/UJJAIN/UG-3/TOLL/2024/514	13.03.2024	Letter No_514 Submission of Draft Toll Fee Notification-reg
11.	NHAI/PIU/UJJAIN/UG-3/Gen/2024/532	14.03.2024	Letter No_532 Relocation of the Cantilever Gantry Under MCW -reg.
12.	NHAI/PIU/UJJAIN/UG-3/Mining/2024/533	14.03.2024	Letter No_533 Royalt to the State Govt - Reg,
13.	NHAI/PIU/UJJAIN/UG-3/Gen/2024/544	16.03.2024	Letter No_544 Implementation of Rules of Model Code of Conduct.
14.	NHAI/PIU/UJJAIN/UG-3/Inspection/2024/579	21.03.2024	Letter No_579 Inspection Note of Site Visit for the Project Under PIU Ujjain on 03.02.2024 - Reg.
15.	NHAI/PIU/UJJAIN/UG-3/RSA/2024/601	22.03.2024	Letter No_601 Submmission of Gap Report-3-reg.
16.	NHAI/PIU/UJJAIN/UG-3/ROB/2024/607	27.03.2024	Letter No_607 Submission of Standard Quality Assurance Plan (QAP) of Elastomeric Bearing (DECG International) of (ROB) at Highway Ch. 127+197 (Railway Ch. 79022) -Reg.
17.	NHAI/PIU/UJJAIN/VIP Ref./2024/608	27.03.2024	Letter No_608 ग्राम ढाबला गुर्जर तहसील शामगढ पर कनेक्टिविटी देने के संबंध में।
18.	NHAI/PIU/UJJAIN/Draft 3A/CALA Sitamau/2024/610	27.03.2024	Letter No_610 तहसील सुवासरा जिला मन्सौर में प्रभावित ग्राम पिपलिया में Way Side Amenities के निर्माण हेतु छुटे हुए खसरो का अतिरिक्त ३ए किए जाने के संबंध में।

• **Details of Outgoing Letters**

S. No	Letter No.	Date	Description
1.	MKC UGMH Pvt.Ltd./2023-24/594	05.03.2024	Regarding Submission of Plan & Profile.
2.	MKC UGMH Pvt.Ltd./2023-24/595	06.03.2024	Submission of Drone Videography Month of February - 2024.
3.	MKC UGMH Pvt.Ltd./2023-24/596	07.03.2024	Submission of Monthly Progress Report.
4.	MKC UGMH Pvt.Ltd./2023-24/597	07.03.2024	Submission of Third-Party Test Reports.
5.	MKC UGMH Pvt.Ltd./2023-24/598	07.03.2024	Submission of Borrow Area Test Result for Approval.
6.	MKC UGMH Pvt.Ltd./2023-24/599	07.03.2024	Submission of Profile and Credential for Steel (MS Agarwal Foundries Pvt Ltd).
7.	MKC UGMH Pvt.Ltd./2023-24/606	11.03.2024	Regarding Stoppage of Structure Work at Ch. 109+670 LVUP).
8.	MKC UGMH Pvt.Ltd./2023-24/607	12.03.2024	Regd. Relocation of the Cantilever Gantry Under MCW.
9.	MKC UGMH Pvt.Ltd./2023-24/608	12.03.2024	Revise Submission of Change of Scope Proposal for ATMS as per NHA Policy Guidelines 2023.
10.	MKC UGMH Pvt.Ltd./2023-24/609	12.03.2024	Regarding Submission of Profile and Credential of Drip Irrigation and Solar System.
11.	MKC UGMH Pvt.Ltd./2023-24/610	13.03.2024	मुवावजा राशी उपलब्ध कराने के संबंध में।
12.	MKC UGMH Pvt.Ltd./2023-24/611	13.03.2024	मुवावजा राशी उपलब्ध कराने के संबंध में।
13.	MKC UGMH Pvt.Ltd./2023-24/614	13.03.2024	Regarding Shifting of EHT Line at Ch. 127+750.
14.	MKC UGMH Pvt.Ltd./2023-24/615	14.03.2024	Submission of Employees Compensation Insurance Policy.
15.	MKC UGMH Pvt.Ltd./2023-24/616	14.03.2023	Registered for Data Lake NHA/one app.
16.	MKC UGMH Pvt.Ltd./2023-24/618	15.03.2024	Regarding Submission of 1st Part Payment of 8th Payment Milestone Certificate.
17.	MKC UGMH Pvt.Ltd./2023-24/624	23.03.2024	Regarding Submission 8th Payment Milestone Certificate.
18.	MKC UGMH Pvt.Ltd./2023-24/625	26.03.2024	Reg. Submission of Standard Quality Assurance Plan (QAP) of Elastomeric Bearing (DECG International).
19.	MKC UGMH Pvt.Ltd./2023-24/626	26.03.2024	Submission of Profile & Credential of Elastomeric Bearing (DECG International).
20.	MKC UGMH Pvt.Ltd./2023-24/627	27.03.2024	Regarding Release of Payment against Payment Milestone Certificate for Utility Shifting of 33kv, 11kv, DTR, 33 & 11 underground crossing and LT lines (Sitamau Devison), (Ch. 97+000 to Ch. 116+800).



### 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	
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	
10	LNMIPPL/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	LNMIPPL/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 125+250 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	
15	LNMIPL/Ujjain -Garoth/2022- 23/551/U-G-3	At ch. 113+818 Major Bridge Excavtion and PCC work not as per CA	05.06.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/386	11.09.2023	LNMIPL/Ujjain-Garoth/2022-23/781/U-G-3	16.09.2023	Closed	

16	LNMIPPL/Ujjain-Garoth/2022-23/572/U-G-3	At Chainage – 125+440 (Minor Bridge) improper pouring of M-35 grade concrete of raft, lot of cracks developed on raft surface	17.06.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/362	18.08.2023	LNMIPPL/Ujjain-Garoth/2022-23/728/U-G-3	19.08.2023	Closed	
17	LNMIPPL/Ujjain-Garoth/2022-23/573/U-G-3	At Chainage – 93+784 (Minor Bridge) 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	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/451	03.11.2023	LNMIPPL/Ujjain-Garoth/2023-24/902/U-G-3	06.11.2023	Closed	
19	LNMIPPL/Ujjain-Garoth/2022-23/652/U-G-3	At Chainage – 107+863 (Box Culvert) not executing as per IE Reviewed drawing	21.07.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/412	25.09.2023	LNMIPPL/Ujjain-Garoth/2023-24/843/U-G-3	09.10.2023	Closed	
20	LNMIPPL/Ujjain-Garoth/2022-23/676/U-G-3	At Chainage – 104+645 (LVUP) It has been observed that IE Reviewed drawing show RE Wall in approach but you have	03.08.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/498	16.12.2023	LNMIPPL/Ujjain-Garoth/2022-23/972/U-G-3	19.12.2023	Closed	



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		executing RCC retaining wall in a limited section							
21	LNMIPL/Ujjain-Garoth/2022-23/677/U-G-3	At Chainage – 110+863 (SVUP) It has been observed that IE Reviewed drawing show RE Wall in approach but you have executing RCC retaining wall in a limited section	03.08.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2022-23/497	16.12.2023	LNMIPL/Ujjain-Garoth/2022-23/973/U-G-3	19.12.2023	Closed	
22	LNMIPL/Ujjain-Garoth/2022-23/687/U-G-3	At Chainage - 125+281 (MNB) Raft Casting done without IE Reviewed drawing	07.08.2023	MKC Ujjain-Garoth Mahakaleshwar Highway PVT.LTD./2023-24/564	06.02.2024	LNMIPL/Ujjain-Garoth/2022-23/1092/U-G-3	07.02.2024	Closed	

### 17. WEATHER REPORT

Weather Report for the Month of March-2024										
SL. NO.	DATE	TEMPERATURE °c		REL. HUMIDITY %		WEATHER	RAIN FALL (mm)	CUMM. RAIN FALL (mm)	REMARKS	
		MIN.	MAX.	MIN.	MAX.					
1	1-Mar-2024	16.0	29.0	38	46	Sunny	0	0		
2	2-Mar-2024	18.0	24.0	37	43	Sunny	0	0		
3	3-Mar-2024	15.0	25.0	38	42	Sunny	0	0		
4	4-Mar-2024	14.0	24.0	40	45	Sunny	0	0		
5	5-Mar-2024	13.0	23.0	36	41	Sunny	0	0		
6	6-Mar-2024	13.0	24.0	34	41	Sunny	0	0		
7	7-Mar-2024	14.0	26.0	32	39	Sunny	0	0		
8	8-Mar-2024	15.0	26.0	31	38	Sunny	0	0		
9	9-Mar-2024	14.0	26.0	33	39	Sunny	0	0		
10	10-Mar-2024	14.0	28.0	34	41	Sunny	0	0		
11	11-Mar-2024	16.0	31.0	32	39	Sunny	0	0		
12	12-Mar-2024	17.0	29.0	30	36	Sunny	0	0		
13	13-Mar-2024	16.0	31.0	31	37	Sunny	0	0		
14	14-Mar-2024	17.0	29.0	34	38	Sunny	0	0		
15	15-Mar-2024	16.0	28.0	31	37	Sunny	0	0		
16	16-Mar-2024	15.0	29.0	32	40	Sunny	0	0		
17	17-Mar-2024	15.0	29.0	31	37	Sunny	0	0		
18	18-Mar-2024	16.0	29.0	30	39	Sunny	0	0		
19	19-Mar-2024	17.0	31.0	30	38	Sunny	0	0		
20	20-Mar-2024	18.0	33.0	31	36	Sunny	0	0		
21	21-Mar-2024	18.0	29.0	32	37	Sunny	0	0		
22	22-Mar-2024	19.0	33.0	29	35	Sunny	0	0		
23	23-Mar-2024	20.0	33.0	30	36	Sunny	0	0		
24	24-Mar-2024	19.0	30.0	33	37	Sunny	0	0		
25	25-Mar-2024	18.0	33.0	28	35	Sunny	0	0		
26	26-Mar-2024	19.0	34.0	30	36	Sunny	0	0		
27	27-Mar-2024	22.0	37.0	32	38	Sunny	0	0		
28	28-Mar-2024	23.0	37.0	30	35	Sunny	0	0		
29	29-Mar-2024	21.0	37.0	30	36	Sunny	0	0		
30	30-Mar-2024	24.0	35.0	32	37	Sunny	0	0		
31	31-Mar-2024	23.0	35.0	31	36	Sunny	0	0		
<b>Rain Fall (in mm)</b>						<b>This Month</b>		<b>0</b>		



18. QC REPORTS

Package - 3				Monthly Progress Report March - 2024															
Four Laning of Ujjain Garoth (Package – III) Suhagada to Bardiya Amra from Km 89+200 to Km 135+351 section of NH-148NG in the state of MP on Hybrid Annuity Mode.																			
Quality Control Test Report for MARCH -2024																			
S.No.	Name of test	Reference as per IS / MORTH	Frequency	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>	2602	2602	0	0	0	0	2602	2602	0	776	0	776	0	42	0	42
2.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000 m <sup>3</sup>	2602	2602	0	0	0	0	2602	2602	0	3776	0	3776	0	42	0	42
2.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000 m <sup>3</sup>	2602	2602	0	0	0	0	2602	2602	0	776	0	776	0	42	0	42
2.4	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)	2 tests / 3000 m <sup>3</sup>	2602	2602	0	0	0	0	2602	2602	0	776	0	776	0	42	0	42
2.5	4 days soaked CBR	IS : 2720 (P- 16)	1 test / 3000 m <sup>3</sup>	1495	1495	0	0	0	0	1495	1495	0	484	0	484	0	42	0	42
<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>	14245	14245	0	21	21	0	14266	14266	0	2806	5	2811	24	0	0	0
3.2	Field density test on Emb.	IS : 2720 (P- 28)	1 set of tests /3000 m <sup>2</sup>	23005	23005	0	33	33	0	23038	23038	0	4426	7	4433	21	0	0	0
3.3	Field density test on Subgrade	IS : 2720 (P- 28)	1 set of tests / 2000 m <sup>3</sup>	9922	9922	0	12	12	0	9934	9934	0	2068	3	2071	25	0	0	0
3.4	Field density test on GSB	"	1 test / 1000 m <sup>2</sup>	2439	2439	0	24	24	0	2463	2463	0	561	5	566	21	0	0	0
3.5	Field density test on WMM	"	1 set of three / 1000 m <sup>2</sup>	2228	2228	0	60	60	0	2288	2288	0	524	13	537	22	1	0	1
3.6	Field density test on Earthen Shoulder	"	1 set of tests / 2000 m <sup>2</sup>	168	168	0	0	0	0	168	168	0	39	0	39	0	0	0	0
3.7	Field density test on Backfilling	"	1 set of 2test / 500 m <sup>2</sup>	6764	6758	6	174	174	0	6938	6932	6	1374	38	1412	22	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
<b>4.0 Coarse Agg. for Concrete</b>																			
4.1	Gradation	IS : 2386 (P-1)	1 test / day	464	464	0	30	30	0	494	494	0	200	7	207	23	0	0	0
4.2	Flakiness Index	IS : 2386 (P-1)	Weekly	70	70	0	4	4	0	74	74	0	32	1	33	25	0	0	0
4.3	Aggregate Impact Value	IS : 2386 (P-4)	Weekly	70	70	0	4	4	0	74	74	0	32	1	33	25	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



**Quality Control Test Report for MARCH -2024**

S.No.	Name of test	Reference as per IS / MORTH	Frequency	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
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	464	464	0	30	30	0	494	494	0	200	7	207	23	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	464	464	0	30	30	0	494	494	0	200	7	207	23	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	73	73	0	0	0	0	73	73	0	33	0	33	0	0	0	0
5.5	Moisture correction	IS : 2386 (P-3)	Per Day	464	464	0	30	30	0	494	494	0	200	7	207	23	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(in sets)</b>																			
<b>For M 10 Grade</b>																			
6.1	for 7 days	IS : 516	for 7 days	232	232	0	15	15	0	247	247	0	88	3	91	20	0	0	0
6.2	for 28 days	IS : 516	for 28 days	580	580	0	12	12	0	592	592	0	176	3	179	25	0	0	0
<b>For M 15 Grade</b>																			
6.3	for 7 days	IS : 516	for 7 days	45	45	0	2	2	0	47	47	0	29	1	30	50	0	0	0
6.4	for 28 days	IS : 516	for 28 days	42	42	0	5	5	0	47	47	0	32	1	33	20	0	0	0
<b>For M 20</b>																			
6.5	for 7 days	IS : 516	for 7 days	26	26	0	10	10	0	36	36	0	26	2	28	20	0	0	0
6.6	for 28 days	IS : 516	for 28 days	17	17	0	2	2	0	19	19	0	17	1	18	50	0	0	0
<b>For M 25 Grade</b>																			
6.7	for 7 days	IS : 516	for 7 days	399	399	0	10	10	0	409	409	0	126	2	128	20	0	0	0
6.8	for 28 days	IS : 516	for 28 days	792	792	0	38	38	0	830	830	0	207	9	216	24	0	0	0
<b>For M 30 Grade</b>																			
6.9	for 7 days	IS : 516	for 7 days	127	127	0	10	10	0	137	137	0	66	2	68	20	0	0	0
6.10	for 28 days	IS : 516	for 28 days	232	232	0	25	25	0	257	257	0	122	6	128	24	1	0	1





Monthly Progress Report – March 2024



Quality Control Test Report for MARCH -2024																			
S.No.	Name of test	Reference as per IS / MORTH	Frequency	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>For M 35 Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	316	316	0	2	2	0	318	318	0	139	1	140	50	1	0	1
6.12	for 28 days	IS : 516	for 28 days	850	850	0	35	35	0	885	885	0	472	8	480	23	0	0	0
<b>For M 35 (Pile) Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	44	44	0	0	0	0	44	44	0	31	0	31	0	0	0	0
6.12	for 28 days	IS : 516	for 28 days	72	72	0	0	0	0	72	72	0	49	0	49	0	0	0	0
<b>For M 35 (RE-BLOCK) Grade</b>																			
6.11	for 7 days	IS : 516	for 7 days	143	143	0	0	0	0	143	143	0	19	0	19	0	0	0	0
6.12	for 28 days	IS : 516	for 28 days	289	289	0	0	0	0	289	289	0	218	0	218	0	0	0	0
<b>For M 40 Grade</b>																			
6.12	for 7 days	IS : 516	for 7 days	78	78	0	2	2	0	80	80	0	53	1	54	50	0	0	0
6.13	for 28 days	IS : 516	for 28 days	64	64	0	3	3	0	67	67	0	50	1	51	33	0	0	0
<b>For M 45 Grade</b>																			
6.14	for 7 days	IS : 516	for 7 days	9	9	0	0	0	0	9	9	0	9	0	9	0	0	0	0
6.15	for 28 days	IS : 516	for 28 days	9	9	0	0	0	0	9	9	0	9	0	9	0	0	0	0
<b>For DLC</b>																			
6.16	for 7 days	IS : 516	for 7 days	3	3	0	0	0	0	3	3	0	3	0	3	0	0	0	0
<b>For PQC CUBE</b>																			
6.17	for 7 days	IS : 516	for 7 days	5	5	0	0	0	0	5	5	0	5	0	5	0	0	0	0
6.18	for 28 days	IS : 516	for 28 days	21	21	0	0	0	0	21	21	0	9	0	9	0	0	0	0
<b>For PQC BEAM</b>																			
6.19	for 7 days	IS : 516	for 7 days	5	5	0	0	0	0	5	5	0	5	0	5	0	0	0	0
6.20	for 28 days	IS : 516	for 28 days	21	21	0	0	0	0	21	21	0	9	0	9	0	0	0	0
<b>7.0 Cement Tests</b>																			
		<b>MORTH 1000</b>																	
7.1	Fineness of cement	IS : 4031 (P-1)	1 test / lot of cement	96	96	0	8	8	0	104	104	0	49	2	51	25	0	0	0
7.2	Normal consistency	IS : 4031 (P-4)	1 test / lot of cement	96	96	0	8	8	0	104	104	0	49	2	51	25	0	0	0
7.3	Initial, final setting times	IS : 4031 (P-5)	1 test / lot of cement	96	96	0	8	8	0	104	104	0	49	2	51	25	0	0	0
7.4	Soundness	IS : 4031 (P-3)	1 test / lot of cement	96	96	0	8	8	0	104	104	0	49	2	51	25	0	0	0
7.5	Compressive strength - 3 days	IS : 4031 (P-6)	for 3 days	81	81	0	6	6	0	87	87	0	41	2	43	33	0	0	0
	- 7 days	"	for 7 days	80	80	0	7	7	0	87	87	0	38	2	40	29	0	0	0
	- 28 days	"	for 28 days	87	87	0	9	9	0	96	96	0	40	2	42	22	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

**Quality Control Test Report for MARCH -2024**

S.No.	Name of test	Reference as per IS / MORTH	Frequency	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>9.0 Steel</b>				<b>MORTH 1000</b>															
9.1	Physical Properties	IS : 1786		64	64	0	12	12	0	76	76	0	40	3	43	25	0	0	0
<b>11.0 Water</b>				<b>MORTH 1000</b>															
11.1	Suitability for Construction	IS : 456		1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
<b>12.0 Admixture</b>				<b>MORTH 1000</b>															
12.1	Suitability for Concrete	IS : 9103		9	9	0	1	1	0	10	10	0	4	0	4	0	0	0	0
<b>13.0 SUB-BASE (GSB)</b>				<b>MORTH 401</b>															
13.1	Gradation	Table 400-2 (Grading-V)	1 Test /400 cu.m.	854	854	0	8	8	0	862	862	0	489	2	491	25	1	0	1
13.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 Test /400 cu.m.	850	850	0	8	8	0	858	858	0	485	2	487	25	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	15	15	0	0	0	0	15	15	0	10	0	10	0	0	0	0
<b>14.0 SUB-BASE / BASE (WMM)</b>				<b>MORTH 406</b>															
14.1	Gradation	Table 400-12	1 test / 200 m3	877	877	0	30	30	0	907	907	0	516	7	523	23	1	0	1
14.2	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	1 test / 200 m3	872	872	0	30	30	0	902	902	0	514	7	521	23	0	0	0
14.3	Proctor test (MDD V/s OMC)	IS : 2720 (P-8)		1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
14.4	A.I.V	IS : 2386 (P-4)	1 test / 1000 m3	419	419	0	8	8	0	427	427	0	202	2	204	25	0	0	0
14.5	FI & EI	IS : 2386 (P-1)	1 test / 500 m3	514	514	0	10	10	0	524	524	0	309	2	311	20	0	0	0
14.6	Water Absorption	IS : 2386 (P-3)	Test/Source	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
14.7	Soundness	IS : 2386 (P-3)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>15. Bitumen VG-40/PMB</b>																			
15.1	Specific Gravity at 27oC	IS : 2380 (P-4)	As required	15	15	0	0	0	0	15	15	0	6	0	6	0	0	0	0
15.2	Softening Point(oc)	IS : 1205	1 test per Lot	115	115	0	2	2	0	117	117	0	58	1	59	50	0	0	0
15.3	Penetration at 25oc 100gm 5	IS : 1203	1 test per Lot	111	111	0	2	2	0	113	113	0	56	1	57	50	0	0	0
15.4	Ductility at 27oc	IS : 1208	As Required	106	106	0	2	2	0	108	108	0	56	1	57	50	0	0	0
15.5	Viscosity at 60o/135oC	IS : 1206	As required	115	115	0	2	2	0	117	117	0	58	1	59	50	0	0	0
<b>16. Emulsion</b>				<b>MORTH 503</b>															
16.1	RS 1 (Saybolt viscosity )	IS : 8887	Per Lot	10	10	0	2	2	0	12	12	0	8	1	9	50	0	0	0
16.2	SS 1 (Saybolt viscosity)	IS : 8887	Per Lot	4	4	0	0	0	0	4	4	0	2	0	2	0	0	0	0
<b>17.0 RATE OF SPRAY</b>				<b>MORTH 503</b>															
17.1	Prime coat	As per MORTH	3 test / day	406	406	0	54	54	0	460	460	0	211	13	224	24	22	0	22
17.2	Tack Coat	As per MORTH	3 test / day	370	370	0	54	54	0	424	424	0	203	13	216	24	0	0	0



**Quality Control Test Report for MARCH -2024**

S.No.	Name of test	Reference as per IS / MORTH	Frequency	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>18.0 DENSE BITUMINOUS MACADAM GRADING- 2</b>			<b>MORTH 505</b>																
18.1	Binder Content	As per MORTH	1 test / 400 Tonne Mix	219	219	0	35	35	0	254	254	0	102	8	110	23	0	0	0
18.2	Combined Gradation	As per MORTH	1 test / 400 Tonne Mix	225	225	0	35	35	0	260	260	0	108	8	116	23	0	0	0
18.3	Marshall Test (in Sets)	ASTM D 1559	1 test / 400 Tonne Mix	309	309	0	35	35	0	344	344	0	124	8	132	23	0	0	0
18.4	A.I.V	IS : 2386 (P-4)	1 test / 350 m3 of Agg.	114	114	0	16	16	0	130	130	0	57	4	61	25	0	0	0
18.5	FI & EI	IS : 2386 (P-1)	1 test / 350 m3 of Agg.	114	114	0	16	16	0	130	130	0	57	4	61	25	0	0	0
18.6	Water Absorption & Specific	IS : 2386 (P-3)	Test/Source	4	4	0	0	0	0	4	4	0	4	0	4	0	0	0	0
18.7	Stripping Value	IS : 6241	Test/Source	1	1	0	0	0	0	1	1	0	1	0	1	0	0	0	0
18.8	Core Density Test	As Per Morth	1 test / 700 sqm.	747	747	0	35	35	0	782	782	0	399	8	407	23	5	0	5
<b>Total</b>				<b>86091</b>	<b>86085</b>	<b>6</b>	<b>1074</b>	<b>1074</b>	<b>0</b>	<b>87165</b>	<b>87159</b>	<b>6</b>	<b>25884</b>	<b>252</b>	<b>26136</b>		<b>294</b>	<b>0</b>	<b>294</b>

Total Tests Conducted this Month	1074
Total Tests Witnessed by IE's this Month	252
Total Test Witnessed by IE's in % this Month	<b>23.46%</b>

Total Tests Conducted this Month	1074
Total Tests Witnessed by NHAI this Month	0
Total Test Witnessed by NHAI in % this Month	<b>0.00%</b>

Concessionaire's Representative

Independent Engineer's Representative

### 19. SITE PHOTOGRAPHS



**Geo grid laying work in progress**



SHOT ON OPPO

**ROB Re block A2 side rolling work in progress  
Ch 112+840 to Ch. 112+980 BHS**



**DBM laying Ch 128670 to 129660 LHS**



**Wmm top laying work in progress  
LHS at ch 100240 to 100580 RHS**



**Geo grid laying work in progress Ch 100240 to 100580**



**Ch:95+090 to 95+460 Lhs re wall  
back filling 25th layer (w4) fdd check**



**Dbm top laying at ch 113+540 to 113+720 rhs**



**MNB RHS SLAB CONCRETE POURING START 90+028**



**Retaining wall bottom Raft curing work is in progress @Ch 125+281 MNB**