



National Highways Authority of India

**M/s MKC Ujjain-Garoth Mahakaleshwar Highway
Pvt. Ltd**



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-148NG 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.

Monthly Progress Report – (December'22)

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG 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

Table of Contents

S.N.	Contents	Page No.
1	Executive Summary	1-5
1.1	Construction progress in current month	1
1.2	Summary of strip plan	3-4
1.3	Detailed Strip plan	5
1.4	Current issues and recommended action by IE	5
2	Project Overview	6-13
2.1	Salient Features of the Project	6
2.2	Project Milestones	7
2.3	Location Map	8
2.4	Key Plan	9-13
3	Critical issues and Action Log	14-16
3.1	Pending issues and action log	14
3.2	Obligations as per concessionaire	15-16
4	Physical Progress	17
4.1	ROB Physical Progress	18
4.1	Detailed Physical Progress by Component	19-21
5	Land Acquisition and Clearances	22
6	Mobilization of Resources	23-24
6.1	Manpower Resources	24
6.2	Resource mobilization by Subcontractor	25
7	Financial Progress Details	26-28
7.1	Pen Picture -Escrow	26
7.2	Escrow Details	27-28
8	Monitoring of maintenance obligations during construction phase	29
9	Summary of Quality Control Tests	30-34
9.1	Tests witnessed by IE/ AE	30-33

Ujjain-Garoth Pkg-III**Monthly Progress Report December- 2022****Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG 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**

9.2	Weather Report	34
10	Accident report	35
11	Annexures	
12.1	Annexure - 2 Visit & Meetings	36
12.2	Annexure – 3 Site Photograph	

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG 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

1. Executive Summary

This report covers the activities undertaken by the **contractor** during the month of December 2022.

1.1 Construction progress in current month

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG 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

Physical Progress					%	
(A) As per Approved Work executed at the Site					7.02%	
(B) As per Material Procured						
Material Stock	Quantity	Unit	Rate Per Unit	Total Amount	Physical Progress	
GSB	140000	MT	494	6,91,60,000.00	1.16%	
WMM	45000	MT	494	2,22,30,000.00	0.37%	
Agreagate					0.00%	
Dust	11000.000	MT	494	5434000	0.09%	
10 mm	9500.000	MT	494	4693000	0.08%	
20 mm	8500.000	MT	494	4199000	0.07%	
Admixture	9000	KG	55	495000	0.01%	
Steel	210	MT	67496	1,41,74,160.00	0.24%	
Cement	450	MT	7040	31,68,000.00	0.05%	
HSD	532842	Lt	93.2	49660874.4	0.83%	
Cummulative Physical Progress					2.90%	
Description	Up to Previous month as per	Up to Previous month Achieved	This month as per Schedule	This month Achieved	Cummulative as per Schedule	Cummulative Achieved
Physical Progress	7.00%	4.84%	2.86%	5.08%	9.86%	9.92%
Financial Progress	0.00%	0.00%	0.00%	5.00%	0.00%	5.00%
Expenditure(in Cr.)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

* This physical progress is calculated in respect to % weightage of each item as specified in schedule 'G' of CA.

* Financial Progress is calculated by considering of estimated amount of work done excluding price adjustment.

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG 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

1.2 Summary of Strip Plan

1.2(A) Highway

1. Work front unavailable & Reason unavailability		
	Length (Km)	% Total
1. Carriageway		
Total Length	46.115	-
Total Work Front unavailable	5.756	12.49%
Pending Land	5.756	12.49%
Acquired	40.359	87.51%
Encumbrance		

2. Length completed by layer (MCW)		
	Length (Km)	% Total
Total Length	46.115	-
Total Length Completed (Till BC)		0%
BC		
DBM		0%
CTB		0%
CTSB		0%
Sub-Grade		0%
Embankment	19.32	41.89%
C&G	25.77	55.88%

3. Length completed by layer (Service Road)		
	Length (Km)	% Total
Total Length	1.354	-
Total Length Completed (Till BC)		0%
BC		
DBM		0%
CTB		0%
CTSB		0%
Sub-Grade		0%
Embankment Top		0%
C&G		0%

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG 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

1.2(B) Structures:

Type of Structure	NOS	In-progress	Completed	Balance to be tackled
Culverts	95	28	6	61
SVUP	3	1	0	2
LVUP	3	0	0	3
VUP	2	0	0	2
ROB	1	0	0	1
Minor Bridge	32	0	0	32
Major Bridge	2	0	0	2
MCW	1	0	0	1
Ramp	2	0	0	2

1.3 Detailed Strip Plan

1.4 Current issues and recommended action by IE:

Issues: -

1. Getting possession of 5.756 balance km length of project Highway.

IE's recommendations: -

1. Concessionaire should assist Project director by providing of detailed status of balance land those 3G awarded but land was not taken in possession even after expiring of 1 months' notice period of any appeal. In addition, for Liasoning with land owners for taking possession of land.

2. Project Overview

2.1 Salient Feature of Project

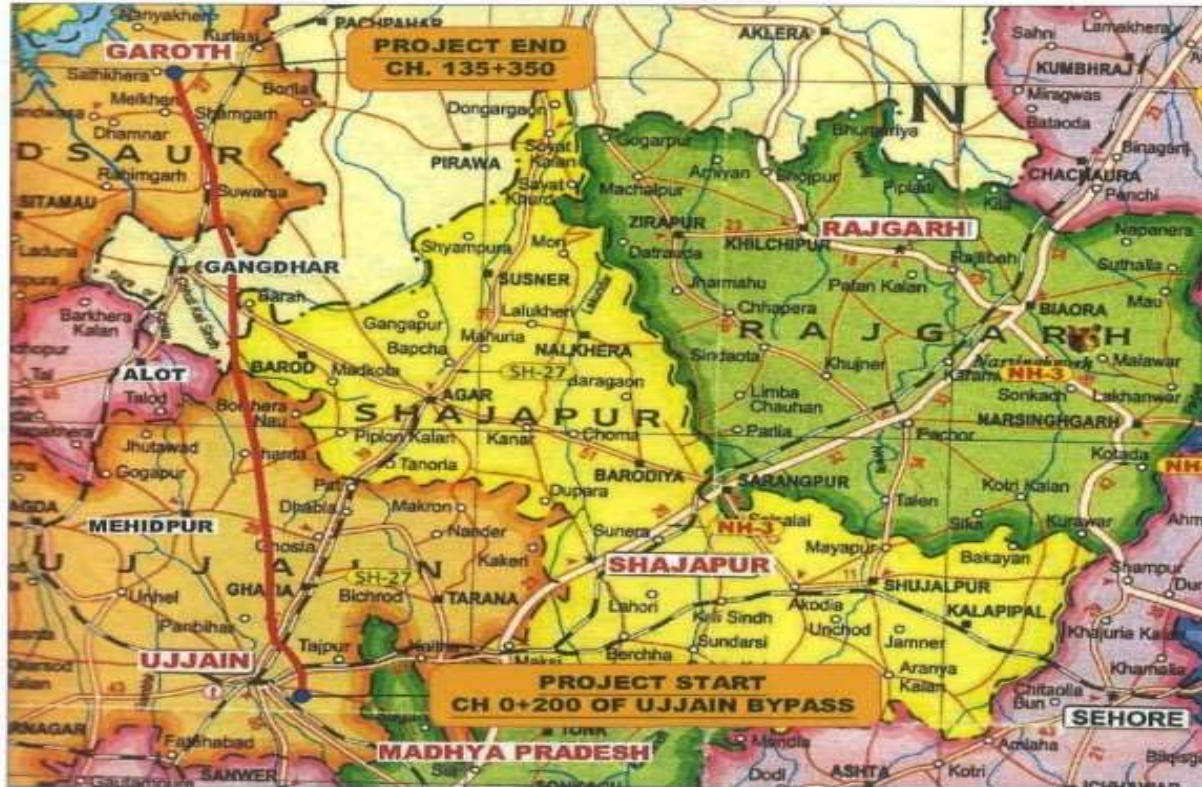
S.N.	Details	
1	Project	Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of Madhyapradesh: (Package-III)
2	NH No.	148NG
3	Mode of Execution	HAM
4	Client/ Authority	National Highways Authority of India
5	Independent Engineer	M/s L.N. Malviya Infra Project Pvt.Ltd In Association With M/s Infratech Civil Solutions Consultant.
6	Concessionaire	M/s MKC Ujjain-Garoth Mahakaleshwar Highway Pvt.Ltd
7	Safety Consultant	Yet to Appoint.
8	Proof Consultant	Yet to Appoint.
9	Design Consultant	MKC Infrastructure Ltd.
10	Project Chainages	Ch. 89+236 to 135+351
11	No of lanes/ configuration	4 Lane
12	Contract Price	Rs. 598.00
13	Date of LOA	07.03.2022
14	Agreement Date	20.04.2022
15	Appointed Date	17.10.2022
16	Scheduled Date of Completion	18.06.2024
17	Construction Period	Issuance 21 Months (610 Days)
18	Maintenance Period	15 Year from the date of Completion Certificate
19	Retention Money	Maximum 5 % of Contract Price

2.2 Project Milestone

Milestone	Description	Target Date	Revised Date	
Milestone-I	133rd Days from the Appointment Date and the Financial Progress not less than 20% of Contract Price	27 th February 2023	-	In Progress
Milestone-II	300 th Days from the Appointment Date and the Financial Progress not less than 35% of Contract Price	13 th August 2023	-	
Milestone-III	404 th Days from the Appointment Date and the Financial Progress not less than 75% of Contract Price	25 th November 2023	-	
Milestone-IV Scheduled completion Date	610 th Days from the Appointment Date and the Financial Progress not less than 100% of Contract Price	18 th June 2024		

2. Project Overview

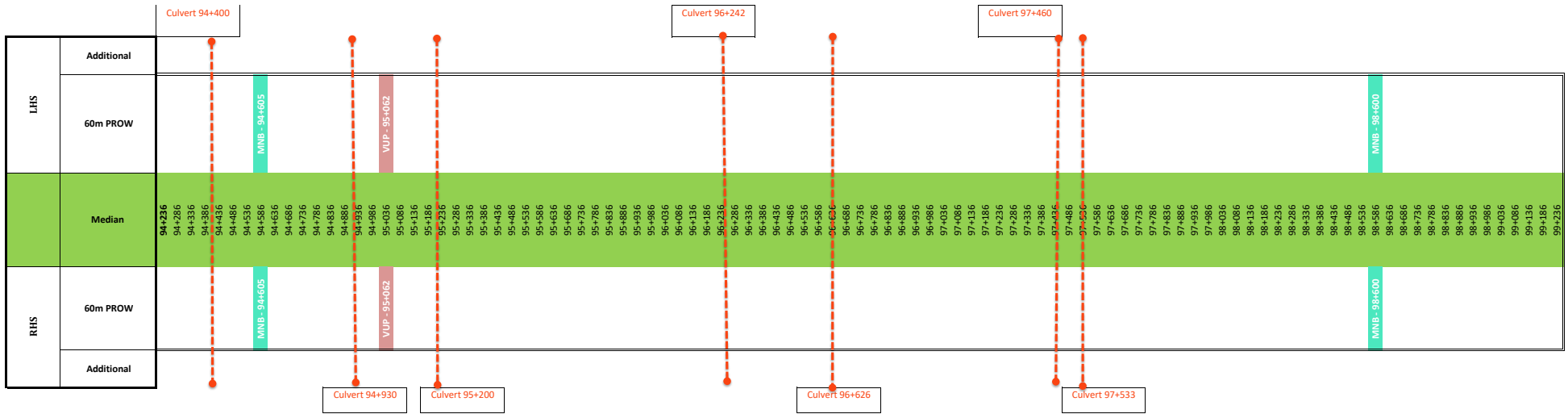
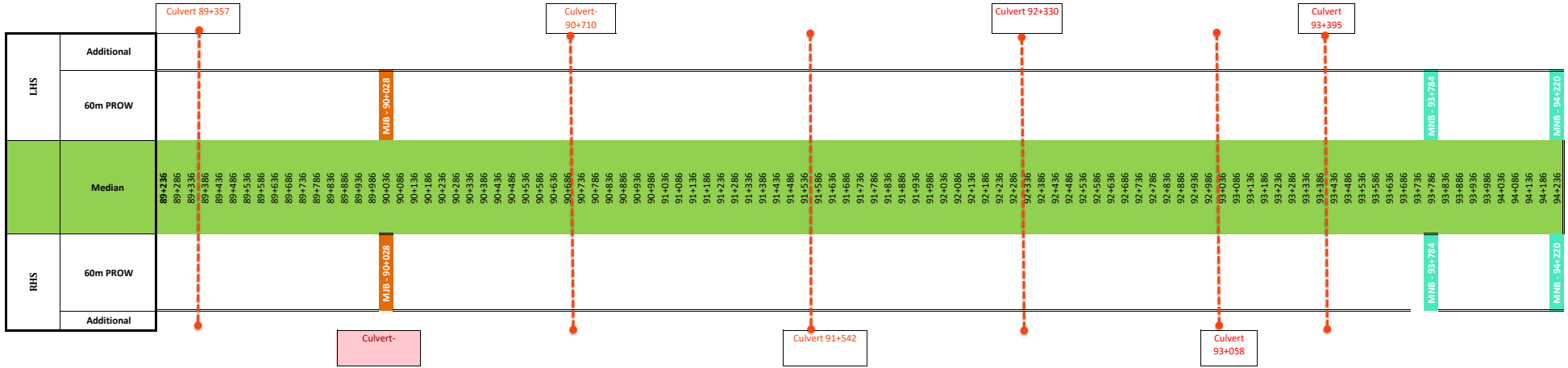
2.1 Location Map

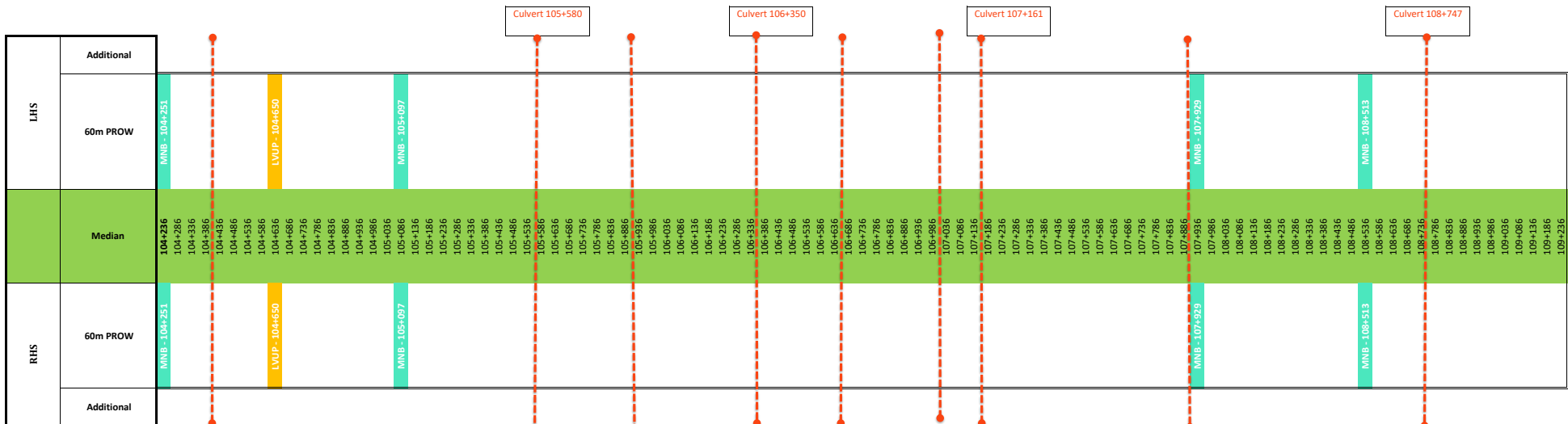
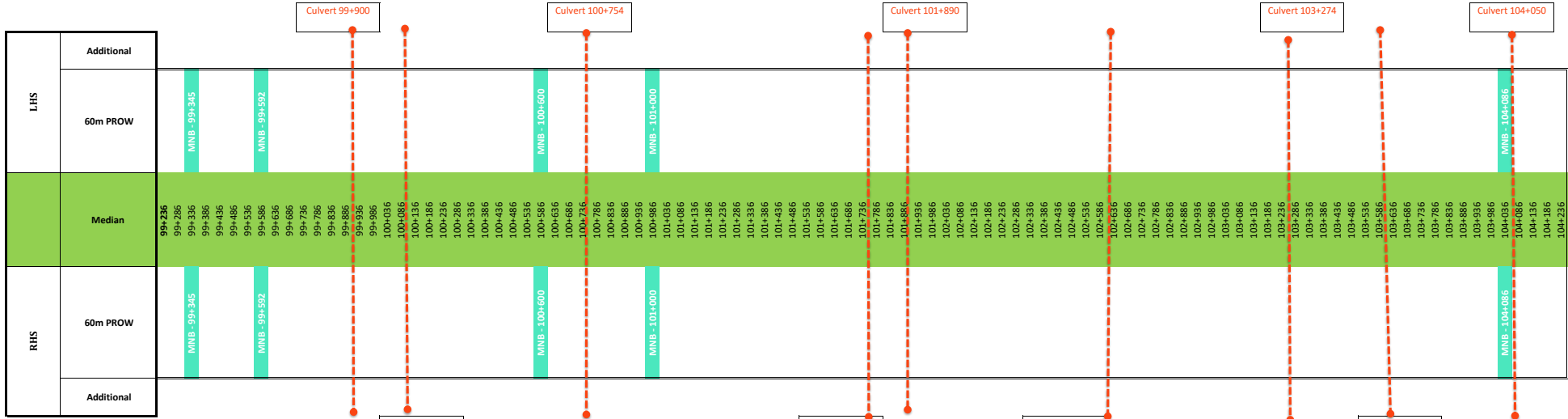


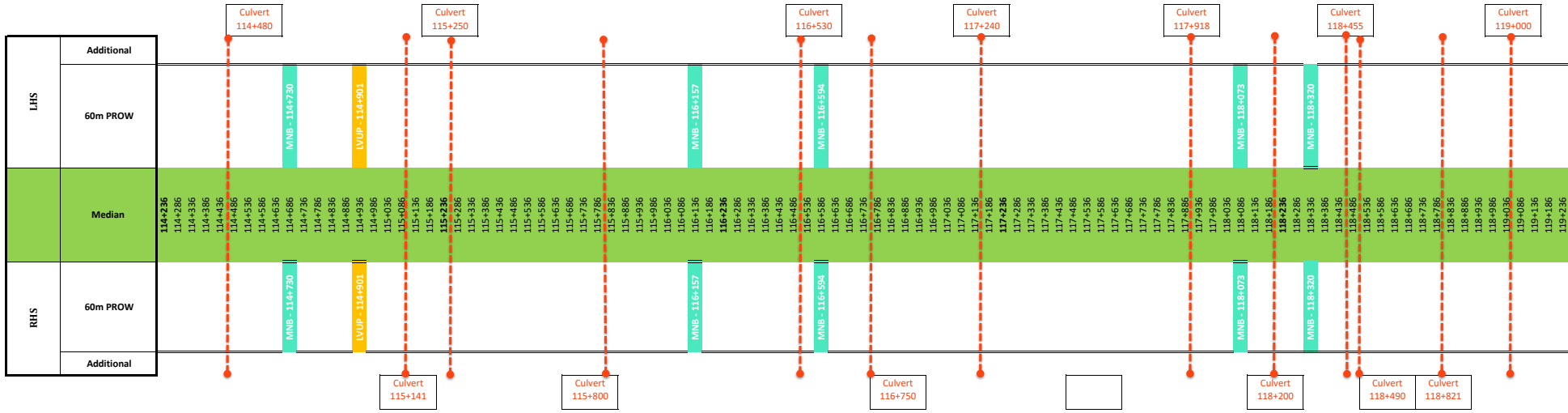
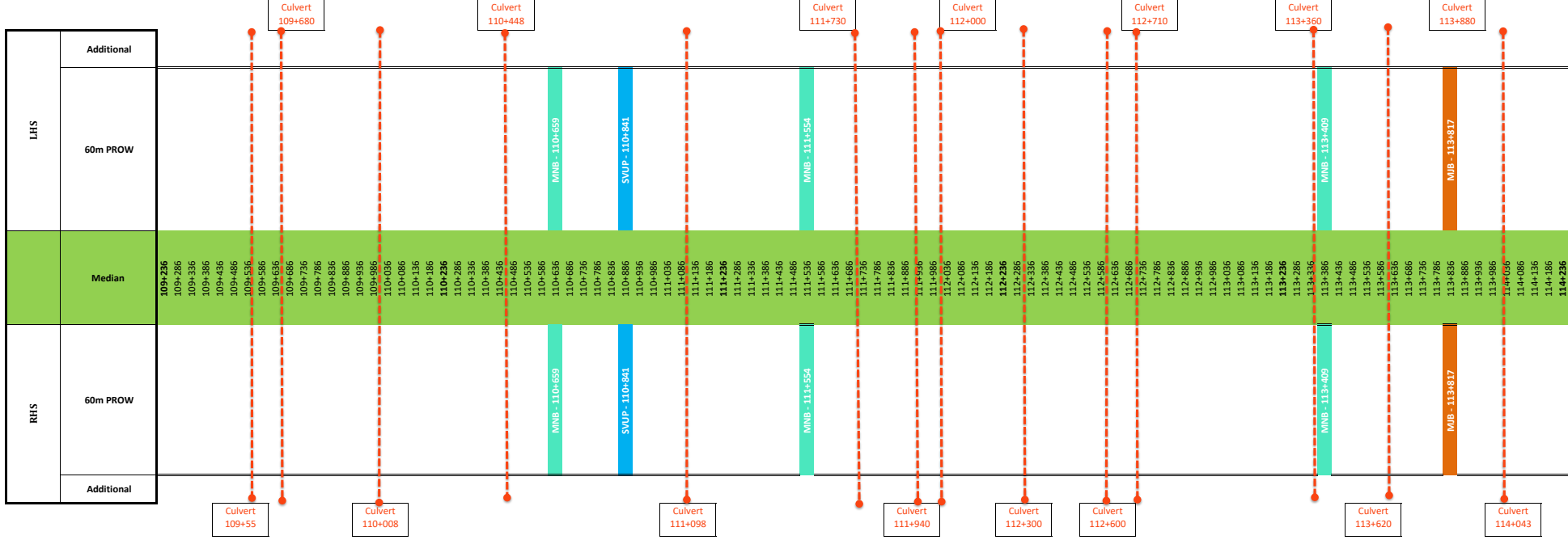
Package-III Monthly Progress Report December- 2022
Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

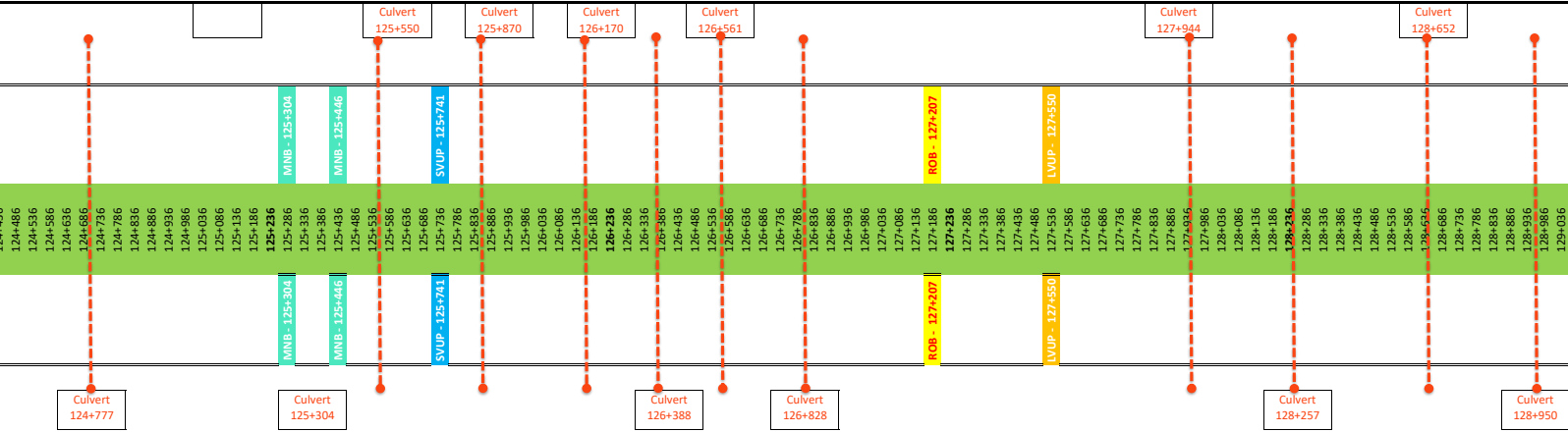
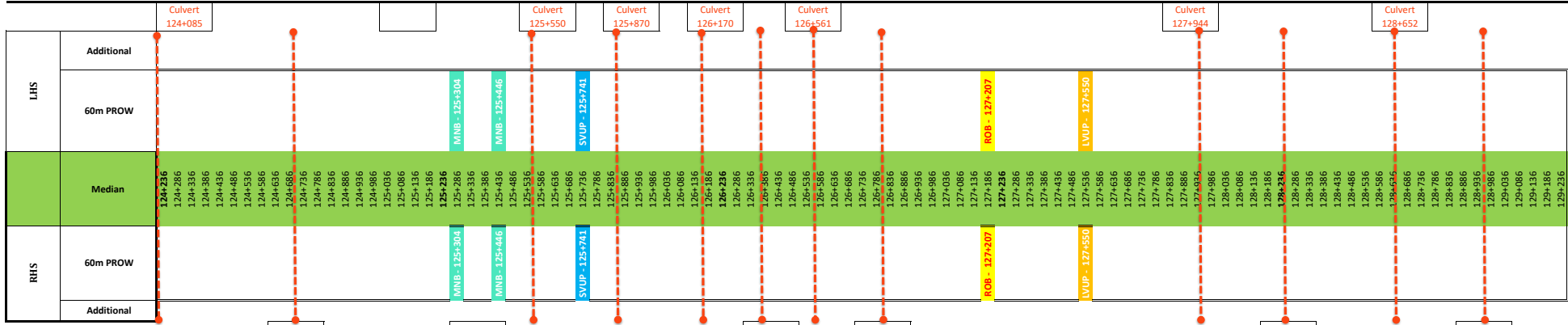
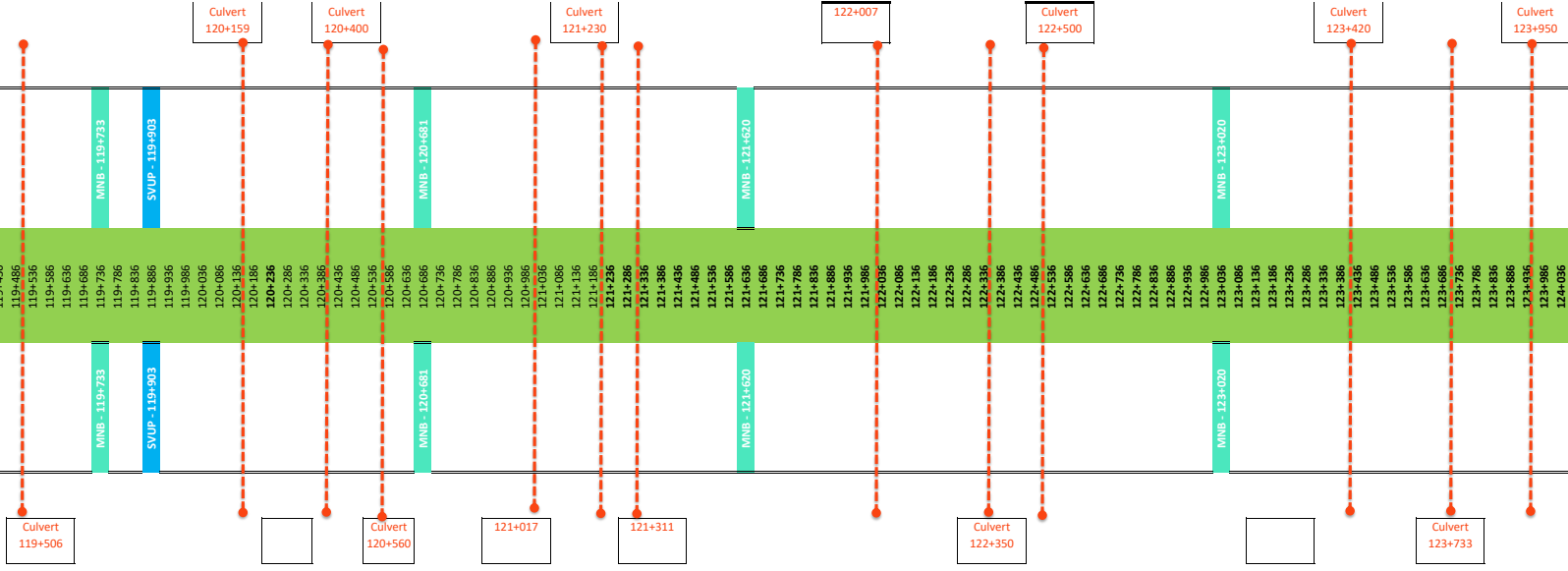
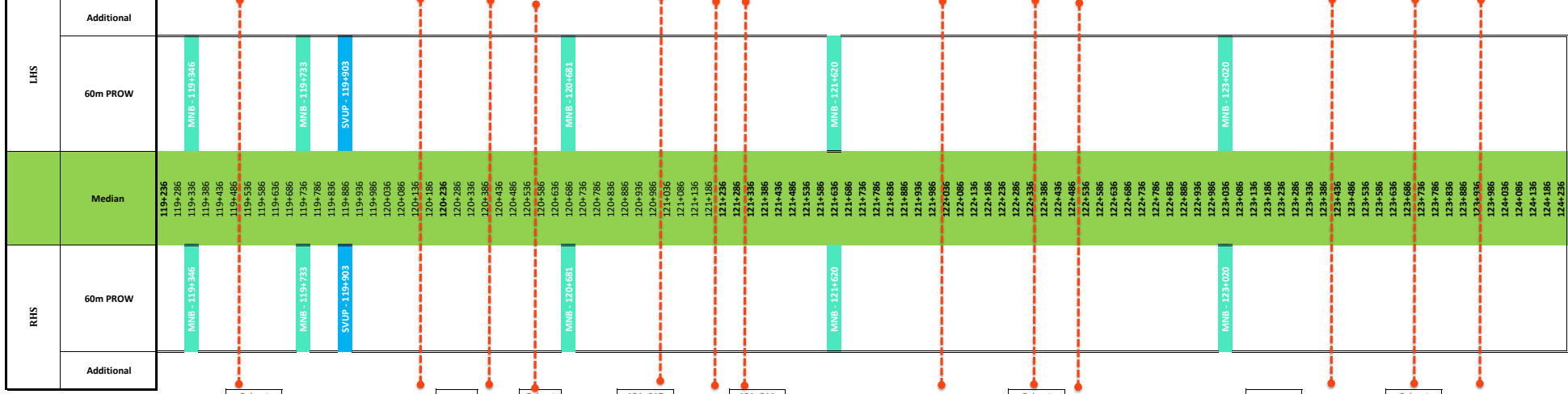
STRIP CHART PRESENTING SW

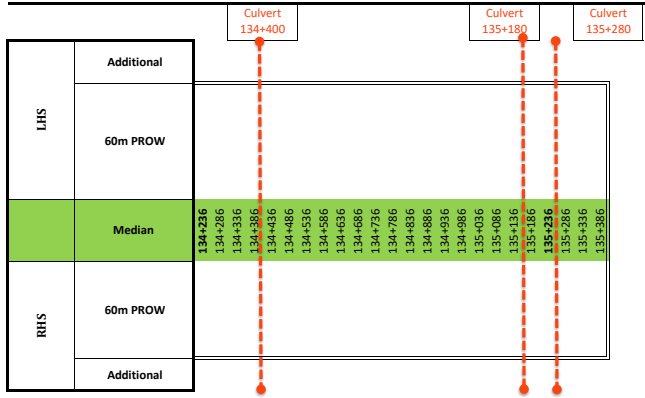
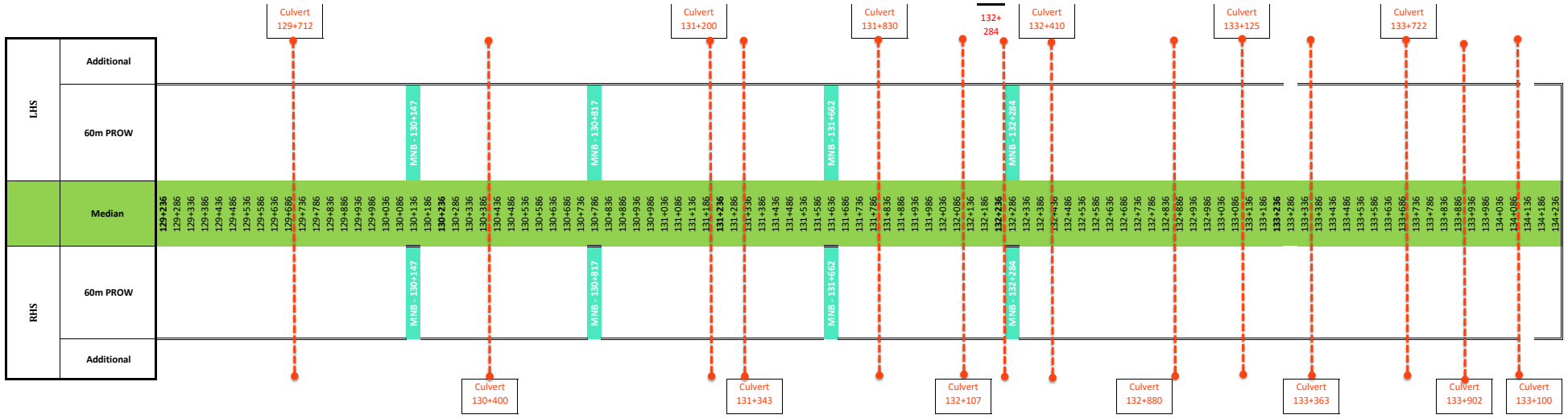
SVUP LVUP MNB Interchange ROB VUP VOP Toll Plaza area MJB Culvert & Additional Culvert











Culvert 29+533

3. Critical issues and action log

3.1 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	4.756 km				Under Process
3	ROB Land Acquisition		NHAI	1.00 km				Under Process
4	EHT Line Shifting		NHAI					Under Process
5	Approval for Design and Drawings		NHAI					Under Process

Land Acquisition

As on Memorandum Time					
Sr. No	Description	Total Land Required (Hact)	Available Land (Hact)	Not available Land (Hact)	Remark
1	Hact	304.906	286.306	18.60	Yet to require as additional land for ROB to be measured by revenue the correct area from Ch. 126+850 to Ch.127+850
2	Km	46.151	43.051	3.10	
3	%	100%	93.28%	6.72	

3.2 Obligations as per Concessionaire**3.2.1 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	

3.2.2 Obligations of Concessionaire

Sl. No.	Clause no.	Obligation	Status	Remarks/Letter references
1	Article 9	Performance Bank Guarantee		
2	Article 9	Balance Performance Bank Guarantee		
3	Article 11	Shifting/Relocation of Electrical Utilities		
4	Article 26	Proposed Insurance Policies As per Article 20		
6	Article 18.1.2	Appointment of Safety Consultant	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/37 Dated-2-11-2022
7		Appointment of Design Director		
8	Article 10	Applicable Permit		
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	
c)		License of use of explosives	Submitted	
d)		Permission of state government of drawing of water from river/reservoir	Submitted	
e)		License from inspector of factories or other competent Independent for setting up batching plant	Submitted	
f)		Clearance of pollution control board for setting up batching plant	Submitted	
g)		Permission of village panchayats and pollution control board for setting up asphalt plant	Submitted	

Package-III**Monthly Progress Report December- 2022****Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhya Pradesh**

h)		Permission of village panchayats and state government for borrow earth.	Submitted	
i)		Labour License	Submitted	
9		Handover Memorandum	Submitted	
10		Pavement Design Report	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/34 Dated-2-11-2022
11		Plan and Profile & Typical Cross Section	In Progress	
12		Quality Assurance Plan & Manual	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/35 Dated-2-11-2022
13		Construction Methodology	Submitted	MKC Ujjain Garoth Mahakaleshwar Highway Pvt.Ltd./2022-23/41 Dated-4-11-2022

4. Physical Progress

Sl. No.	Component	% Weightage	Physical Progress (During This Month)	Physical Progress (Cumulative, Up to Current Month)	Remarks	
1	Road Works - (Main Carriageway)	35.80%	1.52%	5.87%		
2	Minor Bridge works, underpasses, overpasses & Box Culvert, & Major Bridge Structures	28.27%	0.66%	1.15%		
3	ROB	12.47%	-	-		
4	Other Works	23.46%	-	-		
5	As per Stock Procured		2.90%	2.90%		
	Physical Progress	100%	5.08%	9.92%		

4. ROB Physical Progress

Sl. No.	Description	Status	Remarks
1	Survey	Done	
2	Topo Survey	Done	
3	3D	Under progress	

Package-III

Monthly Progress Report December- 2022

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Detailed Physical Progress-

Detailed Physical Progress											
Item	Stage for measurement of Physical Progress	Unit	Weightage in percentage	Planned Scope(as per scope of	Total Amount	Rate per Unit in Rs.	Progress Till Date	% of Physical Progress	Value Of Physical progress	Remarks	
1	2	6	4	7	5	8	9				
Road Works	B- New realignment/bypass										
	(1) Earthwork	Km.	15.68%	88.90	93,76,64,000	1,05,47,164.29	38.64	43.46%	38,47,20,052.31		
	(2) Granular work (sub-base, base, shoulders)										
	(a) GSB	Km.	5.70%	88.90	34,08,60,000	38,34,109.47			-		
	(b) Geogrid/ Geosynthetic Material for Pavement Stabilization	Km.	9.50%	88.90	56,81,00,000	63,90,182.45					
	(c)WMM	Km.	3.43%	88.90	20,51,14,000	23,07,192.19			-		
	(3) Shoulders	Km.	0.06%	88.90	35,88,000	40,359.05					
	(4) Bituminous work										
	(a) DBM	Km.	6.39%	88.90	38,21,22,000	42,98,238.51					
	(b) BC	Km.	4.54%	88.90	27,14,92,000	30,53,834.56					
Sub Total-1			45.30%		2,70,89,40,000						
Culvert	C- New culverts, minor bridges, underpasses, over passes on existing road, realignments,										
	(1) Culverts		No.	7.81%	190	46,70,38,000	24,58,094.74	0.00			
		Raft (35%)	No.	2.73%	190	16,34,63,300	8,60,333.16	16.00	8.42%	1,37,65,330.53	
		Wall (28.5%)	No.	2.23%	190	13,31,05,830	7,00,557.00	16.00	8.42%	1,12,08,912.00	
		Slab (35%)	No.	2.73%	190	16,34,63,300	8,60,333.16	12.00	6.32%	1,03,23,997.89	
		Miscellaneous Works (15%)	No.	0.12%	190	70,05,570	36,871.42	0.01			
MNB	(2) Minor bridges										
		(a) Foundation	No.	5.52%	64	33,00,96,000	51,57,750.00	0.00			
		(b) Sub-structure	No.	4.80%	64	28,70,40,000	44,85,000.00	0.00			
	(c) Super-structure (including crash barriers etc. complete		No.	4.81%	64	28,76,38,000	44,94,343.75	0.00			
		Upto Completion of Slab (98%)	No.	4.71%	64	28,18,85,240	44,04,456.88	0.00			
		Other Miscellaneous Works (2%)	No.	0.10%	64	57,52,760	89,886.88	0.00			
Underpass	ade separated structures (a) Underpasses										
		(i) Foundation	No.	0.05%	16	29,90,000	1,86,875.00	0.00			
		(ii) Sub-structure	No.	1.74%	16	10,40,52,000	65,03,250.00	0.00			
	(iii) Super-structure (including crash barriers etc. Complete)		No.	0.17%	16	1,01,66,000	6,35,375.00	0.00			
		Upto Completion of Slab (98%)	No.	0.167%	16	99,62,680	6,22,667.50	0.00			
	Other Miscellaneous Works (2%)	No.	0.003%	16	2,03,320	12,707.50	0.00				
Major Bridges works	C- New Major Bridges										
		(1) Foundation	No.	1.51%	12	9,02,98,000	75,24,833.33	0.00			
		(2) Sub-structure	No.	0.42%	12	2,51,16,000	20,93,000.00	0.00			
	(3) Super-structure (including crash barriers etc. complete		No.	1.44%	12	8,61,12,000	71,76,000.00	0.00			
		Upto Completion of Slab (98%)	No.	1.411%	12	8,43,89,760	70,32,480.00	0.00			
		Other Miscellaneous Works (2%)	No.	0.029%	12	17,22,240	1,43,520.00	0.00			
Sub Total-2			28.27%		1,69,05,46,000						

Package-III

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ROB Works	D - New rail-road bridges (a) ROB										
	(1) Foundation	No.	0.57%	10	3,40,86,000	34,08,600.00	0.00				
	(2) Sub-structure	No.	0.33%	10	1,97,34,000	19,73,400.00	0.00				
	(3) Super-structure (including crash barriers etc.complete)	No.	1.470%	10	8,79,06,000	87,90,600.00	0.00				
	Casting of Pre-Cast Girders (50%)	No.	0.735%	10	4,39,53,000	43,95,300.00	0.00				
	Upto Completion of Slab (48%)	No.	0.706%	10	4,21,94,880	42,19,488.00	0.00				
Other Miscellaneous Works (2%)	No.	0.029%	10	17,58,120	1,75,812.00	0.00					
Sub Total-3			2.37%		141726000.00						
Structures (Elevated sections, Reinforced Earth)	(4) Reinforced Earth Wall (Includes Approaches of ROB, Underpasses, Overpasses, Flyover etc.)		Sqm.	0.60%	6135.14	3,58,80,000	5,848.28	1.05			
	Casting of RE-Wall (50%)	Sqm.	0.300%	6135.14	1,79,40,000	2,924.14	-	0.00%			
	Erection of RE-Wall (50%)	Sqm.	0.300%	6135.14	1,79,40,000	2,924.14	2.10				
Sub Total-4			0.60%		3,58,80,000						
	(i) Service roads/ Slip Roads		Mts.	0.85%	2708	5,08,30,000	18,770.31	0.14			
	a) Completion upto Base Course Works (65%)	Mts.	0.55%	2708	3,30,39,500	12,200.70	0.22				
	b) Completion upto Surface Course (35%)	Mts.	0.30%	2708	1,77,90,500	6,569.61	0.41				
	(ii) (a) Main Toll Plaza		No.	1.55%	2	9,26,90,000	4,63,45,000.00	0.00			
	a) Toll Building (15%)	No.	0.23%	2	1,39,03,500	69,51,750.00	0.00				
	b) Road Works at Toll Plaza (20%)	No.	0.31%	2	1,85,38,000	92,69,000.00	0.00				
	c) Toll Building Approach Road & Parking Areas (15%)	No.	0.23%	2	1,39,03,500	69,51,750.00	0.00				
	d) Toll Canopy (30%)	No.	0.47%	2	2,78,07,000	1,39,03,500.00	0.00				
	e) Procurement of TMS materials (15%)	No.	0.23%	2	1,39,03,500	69,51,750.00	0.00				
	f) Installation & Other works (5%)	No.	0.08%	2	46,34,500	23,17,250.00	0.00				
	ii) (b) Toll Plaza on Entry & Exit Ramp		No.	1.44%	4	8,61,12,000	2,15,28,000.00	0.00			
	a) Toll Building (15%)	No.	0.22%	4	1,29,16,800	32,29,200.00	0.00				
	b) Road Works at Toll Plaza (20%)	No.	0.29%	4	1,72,22,400	43,05,600.00	0.00				
	c) Toll Building Approach Road & Parking Areas (15%)	No.	0.22%	4	1,29,16,800	32,29,200.00	0.00				
	d) Toll Canopy (30%)	No.	0.43%	4	2,58,33,600	64,58,400.00	0.00				
	e) Procurement of TMS materials (15%)	No.	0.22%	4	1,29,16,800	32,29,200.00	0.00				
	f) Installation & Other works (5%)	No.	0.07%	4	43,05,600	10,76,400.00	0.00				
	(iii) Road Side Drain (Unlined)		Km.	1.50%	268.00	8,97,00,000	3,34,701.49	0.00			
	(iv) Safety devices	Months	1.94%	20.30	11,60,12,000	57,14,876.85	0.00				
	(iv) (a) Road signs, marking, Km stones etc.	Km.	0.34%	88.90	2,03,32,000	2,28,701.27	0.00				
	(iv) (b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work		Km.	9.49%	84.89	56,75,02,000	66,85,145.48	0.00			
Procurement of Crash Barrier Material (90%)	Km.	8.541%	84.89	51,07,51,800	60,16,630.93	0.00					
Installation (10%)	Km.	0.949%	84.89	5,67,50,200	6,68,514.55	0.00					

Package-III

Monthly Progress Report December- 2022

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhya Pradesh

Other Works	(iv) (c) Steel Railing	Mts.	0.08%	260	47,84,000	18,400.00	0.01		
	Procurement of Steel Railing Material (90%)	Mts.	0.072%	260	43,05,600	16,560.00	0.02		
	Installation (10%)	Mts.	0.008%	260	4,78,400	1,840.00	0.14		
	(v) (a) Bus Shelter	No.	0.02%	4	11,96,000	2,99,000.00	0.00		
	(v) (c) Rest areas	No.	0.92%	1	5,50,16,000	5,50,16,000.00	0.00		
	(i) Approach Roads for Buildings & Parking Areas (50%)	No.	0.46%	1	253073.60	2,53,073.60	0.00		
	(ii) Buildings Works (50%)	No.	0.46%	1	253073.60	2,53,073.60	0.00		
	(v) (d) Electrification	Crossings	0.51%	49	3,04,98,000	6,22,408.16	0.00		
	Erection of Poles, Laying of Cables, Laying of Ducts (90%)	Crossings	0.459%	49	2,74,48,200	5,60,167.35	0.00		
	Charging & Other Miscellaneous Works (10%)	Crossings	0.051%	49	30,49,800	62,240.82	0.00		
	(v) (e) Toilet Block	No.	0.21%	8	1,25,58,000	15,69,750.00	0.00		
	(vii) Road side plantation	No.	0.84%	36880	5,02,32,000	1,362.04	27.08		
	(viii) (a) Boulder Pitching on slopes	Mts.	0.15%	825.00	89,70,000	10,872.73	0.08		
	(viii) (b) Toe Wall/Retaining wall	Mts.	0.11%	260	65,78,000	25,300.00	0.01		
	(viii) (c) River Training Work	Mts.	0.16%	825.00	95,68,000	11,597.58	0.07		
	(x) (c) Connecting Road	Mts.	0.43%	3295	2,57,14,000	7,803.95	0.42		
	a) Completion upto Base Course Works (65%)	Mts.	0.28%	3295	1,67,14,100	5,072.56	0.65		
	b) Completion upto Surface Course (35%)	Mts.	0.15%	3295	89,99,900	2,731.38	1.21		
	(x) (d) Tree Cutting	Km.	0.02%	88.90	11,96,000	13,453.02	0.01		
	(x) (e) (a) Major Junction	No.	0.22%	2	1,31,56,000	65,78,000.00	0.00		
	a) Completion upto Base Course Works (65%)	No.	0.14%	2	85,51,400	42,75,700.00	0.00		
	b) Completion upto Surface Course (35%)	No.	0.08%	2	46,04,600	23,02,300.00	0.00		
	(x) (e) (b) Major Junction	No.	0.18%	16	1,07,64,000	6,72,750.00	0.00		
	a) Completion upto Base Course Works (65%)	No.	0.12%	16	69,96,600	4,37,287.50	0.00		
	b) Completion upto Surface Course (35%)	No.	0.06%	16	37,67,400	2,35,462.50	0.00		
	(x) (f) Rain Water Harvesting System	No.	0.21%	92	1,25,58,000	1,36,500.00	0.00		
	(x) (h) ATMS	Km.	2.02%	88.90	12,07,96,000	13,58,754.58	0.00		
	Procurement of ATMS Material (90%)	Km.	1.818%	88.90	10,87,16,400	12,22,879.13	0.00		
	Installation (10%)	Km.	0.202%	88.90	1,20,79,600	1,35,875.46	0.00		
	(x) (i) Pathway	Mts.	0.27%	4500	1,61,46,000	3,588.00	1.25		
a) Completion upto Base Course Works (65%)	Mts.	0.18%	4500	1,04,94,900	2,332.20	1.93			
b) Completion upto Surface Course (35%)	Mts.	0.09%	4500	56,51,100	1,255.80	3.58			
As per material Procured							2.90%	173214034.4	
Sub Total-5			23.46%	1402908000.00			9.91%	59,32,32,327.13	
			100.00%	5980000000.00					

5. Land Acquisition and Clearance**5.1 LA Summary**

Description	Total Required (Ha)	Total in possession at start (Ha)	Total to be Acquired in (Ha)
Existing ROW			
Pvt. Land To be Acquired	228	284	20.906
Govt. Land To be Transferred	56		
Grand Total	304.906	284	20.906

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

7. Mobilization of Resources

7.1 Resource mobilization by contractor/ concessionaire

Equipment Resources

S.No.	Item Description	Unit	Quantity
1	Hydraulic Excavator (20 Ton)	Nos.	09
2	Dumpers (25 Ton)	Nos.	30
3.	Wheel Loader	Nos.	04
4.	Motor Grader	Nos.	10
5	Crane /Hydra	Nos.	02
6	VTR ROLLER	Nos.	01
7	Pneumatic Tyre Roller (PTR)	Nos.	01
8	Backhoe Loader	Nos.	03
9	Soil Compactor	Nos.	14
10	Mobile Crane	Nos.	02
11	Transit Mixers	Nos.	27
12	Water Tanker	Nos.	03
13	Trailer	Nos.	02
14	Weigh Bridge	Nos.	02
15	Utility Vehicles	Nos.	05
16	Crusher Plant	Nos.	06
17	WMM Plant	Nos.	01
18	Concrete Batching Plant (CP 30)	Nos.	02
19	Broomer	Nos.	03
20	Concrete Batching Plant	Nos.	02
21	Browser	Nos.	04
22	Hot Mix Plant	Nos	01
23	DG Sets	Nos.	08
24	Diesel Tanker	Nos.	02
25	Bike	Nos.	11
26	LMV	Nos.	15
27	Compressor	Nos.	05
28	Cement Silo 120 MT	Nos.	2
		Total	152

Package-III**Monthly Progress Report December- 2022**

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

Manpower Resources

Sl. No.	Name	Description	Nos.
A		Key personnel	
1	Mr.Jaibir Singh	CGM	1
2	Mr. Ashok Kumar Tripathi	SGM- Highway	1
3	Mohd.Alam	Sr.Project Manager	1
B		Highways	
1		Sr. Engineer/Jr. Engineer/Engineer	12
2	Deepak Dixit	Sr. Survey Manager	1
3	Ajay Kumar Morya	Sr. Surveyor	1
4		Asst. Surveyor/Surveyor	8
C		Structures	
1	Sanjeev Kumar	Dy. Project Manager	1
2		Sr. Engineer/Site Engineer/Jr. Engineer	4
3		Supervisor/Senior Supervisor	10
D		Quality Assurance/Control	
1	Anjani Kumar Tiwari	Manager	1
2		Sr. Engineer/Engineer	2
3		Jr. Engineer /Technician/ Lab. Technician	13
E		Planning & Billing	
1	Manmohan Singh Yadav	Manager (Planning & Billing)	1
2		Sr. Engineer	2
3		Ass. Engineer	1
4		Engineer	1
5		GET	1
F		Plant & Equipment	
1	Mukesh Ranjan Prashad	Sr. Manager	1
2		Sr. Engineer/Engineer/Sr. Supervisor	4
3		Foreman/Mechanic/Electrician/JET	10
G		HR & Admin, Accounts, Purchase, Store, IT	
1	Dharmendra	Manager (Liasioning)	1
2	Naresh	Deputy Manager (Accounts)	1
3	Lal Babu Giri	Manager (Purchase & Store)	1
4		Dy. Manager/Asst. Manager	2
5		Executives/Jr. Executives	13
		TOTAL	95

Package-III**Monthly Progress Report December- 2022**

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

7.2 Mobilization of Sub-Contractor**Earth Work Contractor**

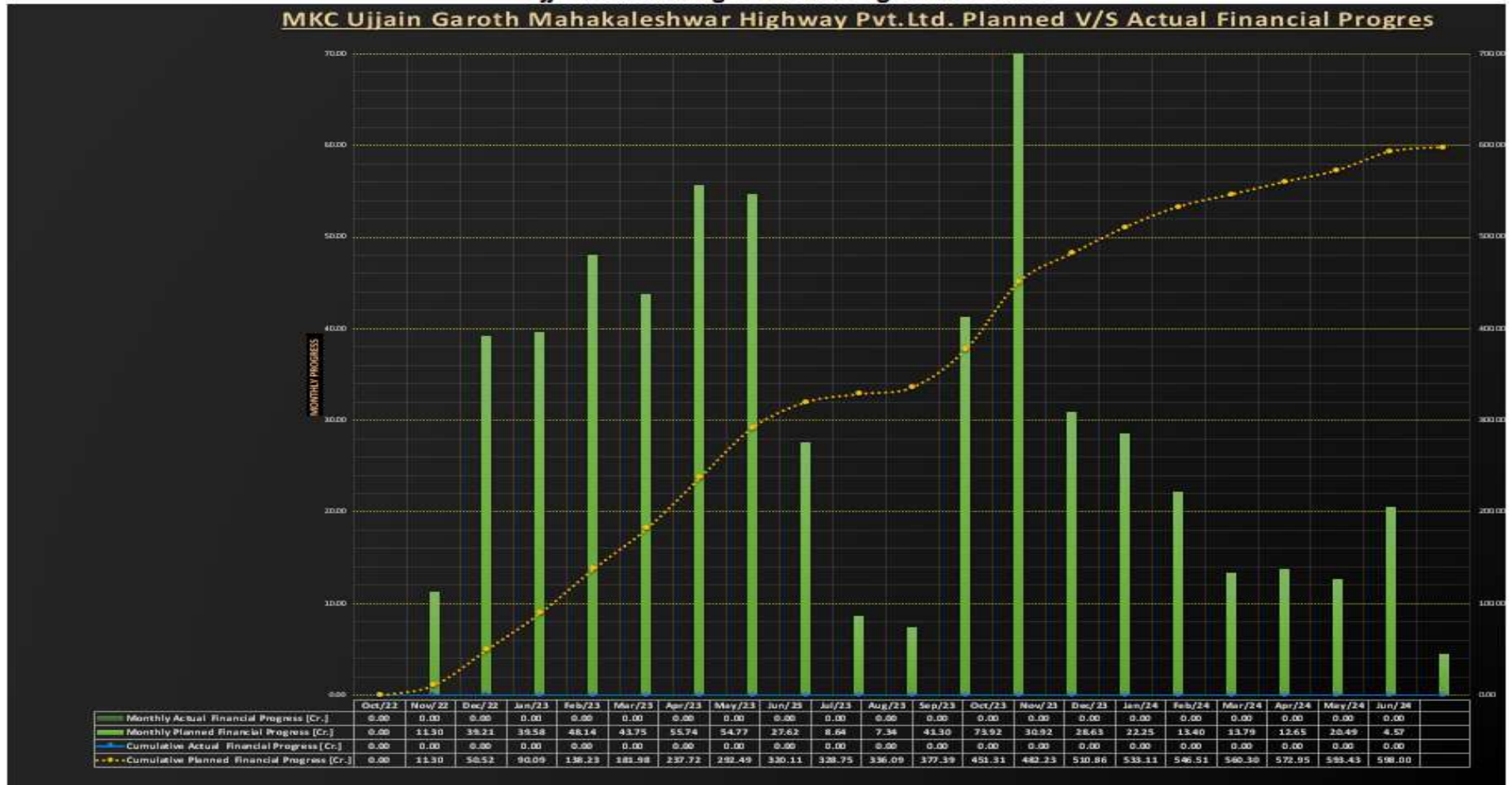
Sr. No	Machinery Name	Numbers
1	Grader	7
2	Roller	10
3	Dumper	50
4	Excavator	14
5	Water Tanker	7
Total: -		88 Nos

Manpower of Sub-Contractor

S.No.	Subcon. Name	Structure	Highway
1	A K Construction	26	
2	Kriti Construction	15	
3	Yashwant Engineering	30	
4	Sarabjit Contractor	15	
5	Ayesha Construction	14	
6	Jai Maa Durga Construction	10	
7	Shree Balaji Construction	13	
8	Shree Ram Enterprises		10
9	Balaji Earthmovers		08
10	Pooniya Const		23
11	Majisa Const		11
12	Shree Ram & Co.		16
13	Maa Kamakhya Const		13
14	Anand Rulaniya Construction Company		12
Total: -		123	93

8. Financial Progress-

8.1 Penpicture Escrow



8.2 Escrow Details

Detailed Financial Progress									
Stage for measurement of Physical Progress	Unit	Planned Scope (As per scope of work)	Weightage in percentage to the Contract	Total Amount	Rate per unit	Progress Till Date	% of Physical Progress	Value of Physical Progress	Remark
B- New realignment/bypass									
(1) Earthwork up to top of the sub-grade	Km	45.2524	15.68%	93,76,64,000	2,07,20,757.35				
(2) Granular work (sub-base, base, shoulders)									
(a) GSB	Km	45.2524	5.70%	34,08,60,000	75,32,418.17				
(b)WMM	Km	45.2524	3.43%	20,51,14,000	45,32,665.67				
(3) Shoulders	Km	45.2524	0.06%	35,88,000	79,288.61				
(4) Bituminous work	Km								
(a) DBM	Km	45.2524	6.39%	38,21,22,000	84,44,237.21				
(b) BC	Km	46.151	4.54%	27,14,92,000	58,82,689.43				
(5) Rigid Pavement	Km		0.00%	-					
Concrete work	Km		0.00%	-					
			35.80%	2,14,08,40,000					
C- New culverts, minor bridges, underpasses, over passes on existing road, realignments, bypasses:									
(1) Cluverts	No	95	7.81%	46,70,38,000	49,16,189.47				
(2) Minor bridges	No		0.00%	-					
(a) Foundation	No	32	5.52%	33,00,96,000	1,03,15,500.00				
(b) Sub-structure	No	32	4.80%	28,70,40,000	89,70,000.00				
(c) Super-structure (including crash barriers etc. complete	No	32	4.81%	28,76,38,000	89,88,687.50				
(a) Underpasses			0.00%	-					
(i) Foundation	No	8	0.05%	29,90,000	3,73,750.00				
(ii) Sub-structure	No	8	1.74%	10,40,52,000	1,30,06,500.00				
(iii) Super-structure (including crash barriers etc. Complete)	No	8	0.17%	1,01,66,000	12,70,750.00				
C- New Major Bridges									
(1) Foundation			0.00%	-					
(a) Open Foundation	No		0.00%	-	#DIV/0!				
(b) Pile Foundation/Well Foundation	No	2	1.51%	9,02,98,000	4,51,49,000.00				
(2) Sub-structure	No	2	0.42%	2,51,16,000	1,25,58,000.00				
(3) Super-structure (including crash barriers etc.complete	No	2	1.44%	8,61,12,000	4,30,56,000.00				
			28.27%	1,69,05,46,000					

Package-III

Monthly Progress Report December- 2022

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

D - New rail-road bridges				-				
(a) ROB				-				
(1) Foundation	No	1	0.57%	3,40,86,000	3,40,86,000.00			
(2) Sub-structure	No	1	0.33%	1,97,34,000	1,97,34,000.00			
(3) Super-structure (including crash barriers etc.complete	No	1	1.47%	8,79,06,000	8,79,06,000.00			
(4) Reinforced Earth Wall (Includes Approaches of ROB, Underpasses, Overpasses, Flyover etc.	Sqm.	31412	10.10%	60,39,80,000	19,227.68			
			12.47%	74,57,06,000				
(i) Service roads/ Slip Roads	Km	8.862	0.85%	5,08,30,000	57,35,725.57			
(ii) Toll Plaza	No		0.00%	-				
(a) Main Toll Plaza	No	4	1.55%	9,26,90,000	2,31,72,500.00			
(b) Toll Plaza on Every Entry & E Ramp	No	4	2.94%	17,58,12,000	4,39,53,000.00			
(iii) Road side drains	Km		0.00%	-				
(iv) Road signs, markings, km stones, safety devices,		46.151	1.94%	11,60,12,000	25,13,748.35			
(a) Road signs, marking, km stones	Km	46.151	0.34%	2,03,32,000	4,40,553.83			
(b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work	Km	151.5	9.49%	56,75,02,000	37,45,887.79			
(c) Steel Railing	Km	5.57	0.08%	47,84,000	8,58,886.89			
(v) Project facilities			0.00%	-				
(a) Bus Shelter	No.	4	0.02%	11,96,000	2,99,000.00			
(b) Truck lay-byes	No.	1	0.00%	-				
(c) Rest areas	No.	1	0.92%	5,50,16,000	5,50,16,000.00			
(d) Electrification		1	0.51%	3,04,98,000	3,04,98,000.00			
(e) Toilet Block	No.	22	0.21%	1,25,58,000	5,70,818.18			
(vi) Repairs to bridges/structures	No.		0.00%	-				
(vii) Road side plantation	km	45.2524	0.84%	5,02,32,000	11,10,040.57			
(viii) Protection works				-				
(a) Boulder Pitching on slopes	Km	0.6	0.15%	89,70,000	1,49,50,000.00			
(b) Toe/Retaining wall / Boundary Wall	Km	2.6	0.11%	65,78,000	25,30,000.00			
(c) River Training Work	Km	0.57	0.16%	95,68,000	1,67,85,964.91			
(ix) Tunnel			0.00%	-				
(a) Excavation	Meter		0.00%	-				
(b) Construction of support system including rock bolting, lining etc.	Meter		0.00%	-				
(c) On complete completion of tunnel	Meter		0.00%	-				
(x) Miscellaneous	Lump sum		0.00%	-				
(a) Ramp for Clover Leaf	Km		0.00%	-				
(b) Ramps for Major Bridge	Km		0.00%	-				
(C) Connecting Road	Km	2.363	0.43%	2,57,14,000	1,08,81,929.75			
(d) Tree Cutting	Km	46.3	0.02%	11,96,000	25,831.53			
(e) Junction				-				
Minor Junction	No.	7	0.22%	1,31,56,000	18,79,428.57			
Major Junction	No.	4	0.18%	1,07,64,000	26,91,000.00			
(f) Rain Water Harvesting System	No.	23	0.21%	1,25,58,000	5,46,000.00			
(g) Offie Building (Area 500 SQM)	No.		0.00%	-				
(h) ATMS	Km	46.3	2.02%	12,07,96,000	26,08,984.88			
(i) Pathway	Km	4.6	0.27%	1,61,46,000	35,10,000.00			
			23.46%	1,40,29,08,000				
							0%	

10. Monitoring of maintenance obligations during construction phase

10.1 Critical issue and action log

1.ROB land acquisition.

10.2 Cumulative defects and deficiencies

Project highway work is up to the level of Earthwork, and no defects were noticed in the executed work of embankment and subgrade.

10.3 Status of damage

Not applicable

Package-III

Monthly Progress Report December- 2022

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

Quality Control Test Report for DEC -2022																		
S.No.	Name of test	Reference as per IS / MORTH	Total Tests Conducted Up to Previous Month			No. of Tests Conducted during this Month			No. of Tests Conducted up to this Month			Test Witnessed by IE's Rep.			Test Witnessed by NHAI Rep.			
			Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed	Up to previous Month	During this Month	Total	Up to previous Month	During this Month	Total	
1.0 OGL samples		MORTH-900																
1.1	Free Swell Index (FSI)	IS : 2720 (P- 4)	As Required	182	182	0	0	0	0	182	182	0	36	0	36	13	0	13
1.2	Grain size analysis	IS : 2720 (P-4)	As Required	182	182	0	0	0	0	182	182	0	36	0	36	13	0	13
1.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	As Required	182	182	0	0	0	0	182	182	0	36	0	36	13	0	13
1.4	Proctor test (MDD Vs OMC)	IS : 2720 (P-4)	As Required	182	182	0	0	0	0	182	182	0	36	0	36	13	0	13
1.5	4 days soaked CBR	IS : 2720 (P- 16)	As Required	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0 Borrow Area Samples		MORTH-900																
2.1	Free Swell Index (FSI)	IS : 2720 (P- 4)	2 tests / 3000ms	630	630	0	262	262	0	892	892	0	125	46	171	42	0	42
2.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000ms	630	630	0	262	262	0	892	892	0	125	46	171	42	0	42
2.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000ms	630	630	0	262	262	0	892	892	0	125	46	171	42	0	42
2.4	Proctor test (MDD Vs OMC)	IS : 2720 (P-4)	2 tests / 3000ms	630	630	0	262	262	0	892	892	0	125	46	171	42	0	42
2.5	4 days soaked CBR	IS : 2720 (P- 16)	1 test / 3000ms	315	315	0	116	116	0	431	431	0	62	21	83	42	0	42
2.6	Soluble sulphate content	IS : 1537	1 test / per source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0 RE WALL Samples		MORTH-900																
3.1	Free Swell Index (FSI)	IS : 2720 (P- 4)	2 tests / 3000ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.2	Grain size analysis	IS : 2720 (P-4)	2 tests / 3000ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.3	Atterberg's limits (LL & PI)	IS : 2720 (P-5)	2 tests / 3000ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.4	Proctor test (MDD Vs OMC)	IS : 2720 (P-4)	2 tests / 3000ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.5	Shear Test	IS : 2720 (P- 39)	1 test / 3000ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.6	Soluble sulphate content	IS : 1537	1 test / per source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.0 Field Density Tests		MORTH-900																
4.1	Field density test on OGL	IS : 2720 (P- 28)	1 set of tests / 2000 ms	3170	3170	0	1090	1090	0	4260	4260	0	571	218	789	0	0	0
4.2	Field density test on Emb.	"	1 set of tests / 2000 ms	4694	4694	0	5370	5370	0	10064	10064	0	845	1005	1860	0	0	0
4.3	Field density test on Subgrade	"	1 set of tests / 2000 ms	0	0	0	271	271	0	271	271	0	0	51	51	0	0	0
4.4	Field density test on GSB	"	1 test / 1000 ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.5	Field density test on W.D.M	"	1 set of three / 1000 ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.6	Field density test on Earthen Shoulder	"	1 set of tests / 2000 ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.7	Field density test on Backfilling	"	1 set of 2 test / 500 ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.8	Field density test on DLC	"	1 set of tests / 2000 ms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Package-III

Monthly Progress Report December- 2022

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

4.0 Coarse Agg. for Concrete																		
4.1	Gradation	IS: 2386(P-1)	Test/day	17	17	0	29	29	0	46	46	0	4	5	9	0	0	0
4.2	Flakiness Index	IS: 2386(P-1)	Weekly	4	4	0	4	4	0	8	8	0	2	1	3	0	0	0
4.3	Aggregate Impact Value	IS: 2386(P-4)	Weekly	4	4	0	4	4	0	8	8	0	2	1	3	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
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
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
4.7	Moisture correction	IS: 2386(P-3)	Per Day	17	17	0	29	29	0	46	46	0	4	5	9	0	0	0
4.8	10% Fine Value	BS: 812 P-3	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.9	Los angles abrasion value	IS: 2386(P-4)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.10	Soundness	IS: 2386(P-5)	Test/Source	0	0	0	0	0	0	0	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
4.12	Petrographic Examination	IS: 2386(P-3)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0 Fine Agg. for Concrete																		
5.1	Gradation	IS: 2386(P-1)	Test/day	17	17	0	29	29	0	46	46	0	4	5	9	0	0	0
5.2	Specific Gravity	IS: 2386(P-3)	Test/Source	1	1	0	1	1	0	2	2	0	0	1	1	0	0	0
5.3	Water Absorption	IS: 2386(P-3)	Test/Source	1	1	0	1	1	0	2	2	0	0	1	1	0	0	0
5.4	Deleterious Content (silt content)	IS: 2386(P- 162)	As Required	5	5	0	10	10	0	15	15	0	2	1	3	0	0	0
5.5	Moisture correction	IS: 2386(P-3)	Per Day	17	17	0	29	29	0	46	46	0	4	5	9	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
5.7	Soundness	IS: 2386(P-5)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.8	Organic Impurities	IS: 2386(P-2)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.0 Concrete Cube Compressive strength tests																		
For M 10 Grade																		
6.1	for 7 days	IS: 516	for 7 days	6	6	0	12	12	0	18	18	0	6	3	9	0	0	0
6.2	for 28 days	IS: 516	for 28 days	3	3	0	20	20	0	23	23	0	0	3	3	0	0	0
For M 15 Grade																		
6.3	for 7 days	IS: 516	for 7 days	6	6	0	7	7	0	13	13	0	6	1	7	0	0	0
6.4	for 28 days	IS: 516	for 28 days	3	3	0	9	9	0	12	12	0	3	2	5	0	0	0
For M 20																		
6.5	for 7 days	IS: 516	for 7 days	3	3	0	6	6	0	9	9	0	3	1	4	0	0	0
6.6	for 28 days	IS: 516	for 28 days	0	0	0	9	9	0	9	9	0	0	2	2	0	0	0
For M 25 Grade																		
6.7	for 7 days	IS: 516	for 7 days	6	6	0	31	31	0	37	37	0	6	5	11	0	0	0
6.8	for 28 days	IS: 516	for 28 days	3	3	0	31	31	0	34	34	0	1	7	8	0	0	0

Package-III

Monthly Progress Report December- 2022

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

For M 30 Grade																		
6.9	for 7 days	IS: 516	for 7 days	6	6	0	6	6	0	12	12	0	6	6	12	0	0	0
6.10	for 28 days	IS: 516	for 28 days	3	3	0	9	9	0	12	12	0	3	9	12	0	0	0
For M 35 Grade																		
6.11	for 7 days	IS: 516	for 7 days	6	6	0	6	6	0	12	12	0	6	6	12	0	0	0
6.12	for 28 days	IS: 516	for 28 days	3	3	0	9	9	0	12	12	0	3	9	12	0	0	0
For M 35 (Pile) Grade																		
6.11	for 7 days	IS: 516	for 7 days	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.12	for 28 days	IS: 516	for 28 days	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
For M 35 (RE-BLOCK) Grade																		
6.11	for 7 days	IS: 516	for 7 days	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.12	for 28 days	IS: 516	for 28 days	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
For M 40 Grade																		
6.12	for 7 days	IS: 516	for 7 days	6	6	0	6	6	0	12	12	0	6	6	12	0	0	0
6.13	for 28 days	IS: 516	for 28 days	3	3	0	6	6	0	9	9	0	3	6	9	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
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
7.0 Cement Tests		MORTH 1000																
7.1	Fineness of cement	IS: 4031(P-1)	Test / lot of cement	2	2	0	4	4	0	6	6	0	2	1	3	0	0	0
7.2	Normal consistency	IS: 4031(P-4)	Test / lot of cement	2	2	0	4	4	0	6	6	0	2	1	3	0	0	0
7.3	Initial, final setting times	IS: 4031(P-5)	Test / lot of cement	2	2	0	4	4	0	6	6	0	2	1	3	0	0	0
7.4	Soundness	IS: 4031(P-3)	Test / lot of cement	2	2	0	4	4	0	6	6	0	2	1	3	0	0	0
7.5	Compressive strength - 3 days	IS: 4031(P-6)	for 3 days	1	1	0	4	4	0	5	5	0	1	1	2	0	0	0
	- 7 days	*	for 7 days	1	1	0	5	5	0	6	6	0	1	2	3	0	0	0
	- 28 days	*	for 28 days	1	1	0	5	5	0	6	6	0	1	2	3	0	0	0
7.6	Chemical properties	IS: 4031	Chce per Source	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.0 Fly Ash																		
8.1	Physical Properties (Fineness)	IS: 3012 P-1	Per Lot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.2	Suitability for Construction	IS: 516	for 3 days	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.0 Steel		MORTH 1000																
9.1	Physical Properties	IS: 1786		3	3	0	1	1	0	4	4	0	3	1	4	0	0	0
9.2	Chemical Properties	IS: 1786		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Package-III

Monthly Progress Report December- 2022

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

10.0 H T Strands															
10.1	Physical Properties	IS: 14268													
10.2	Chemical Properties	IS: 14268	0	0	0	0	0	0	0	0	0	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
12.0 Admixture															
MORTH 1000															
12.1	Suitability for Concrete	IS: 9103	1	1	0	1	1	0	2	2	0	1	1	2	0
13.0 SUB-BASE (GSB)															
MORTH 401															
13.1	Gradation	Table 400-2 (Grading-VI)	0	0	0	5	5	0	5	5	0	0	5	5	0
13.2	Aasberg's limits (LL & PI)	IS: 2720 (P-5)	0	0	0	1	0	0	1	0	0	0	1	1	0
13.3	Proctor test (MDD V/s OMC)	IS: 2720 (P-8)	0	0	0	1	0	0	1	0	0	0	1	1	0
13.4	4 days soaked CBR	IS: 2720 (P-16)	0	0	0	1	0	0	1	0	0	0	1	1	0
13.5	Water Absorption	IS: 2720 (P-3)	Test/Source	0	0	0	1	0	0	1	0	0	0	1	1
13.6	A.I.V	IS: 2386 (P-4)	As Required	0	0	0	1	0	0	1	0	0	0	1	1
14.0 SUB-BASE / BASE (WMM)															
MORTH 406															
14.1	Gradation	Table 400-12	Test / 200 m3	0	0	0	0	0	0	0	0	0	0	0	0
14.2	Aasberg's limits (LL & PI)	IS: 2720 (P-5)	Test / 200 m3	0	0	0	0	0	0	0	0	0	0	0	0
14.3	Proctor test (MDD V/s OMC)	IS: 2720 (P-8)		0	0	0	0	0	0	0	0	0	0	0	0
14.4	A.I.V	IS: 2386 (P-4)	Test / 1000 m3	0	0	0	0	0	0	0	0	0	0	0	0
14.5	FI & EI	IS: 2386 (P-1)	Test / 350 m3	0	0	0	0	0	0	0	0	0	0	0	0
14.6	Water Absorption	IS: 2386 (P-3)	Test/Source	0	0	0	0	0	0	0	0	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
15. Bitumen VG-40															
15.1	Specific Gravity at 27°C	IS: 2380 (P-4)	As required	0	0	0	0	0	0	0	0	0	0	0	0
15.2	Softening Point (Ici)	IS: 1205	Test per Lot	0	0	0	0	0	0	0	0	0	0	0	0
15.3	Penetration at 25°C 100gm/5 Sec	IS: 1203	Test per Lot	0	0	0	0	0	0	0	0	0	0	0	0
15.4	Ductility at 27°C	IS: 1208	Test per Lot	0	0	0	0	0	0	0	0	0	0	0	0
15.5	Viscosity at 60/135°C (CST)	IS: 1206	As required	0	0	0	0	0	0	0	0	0	0	0	0
	Absolute viscosity		As required	0	0	0	0	0	0	0	0	0	0	0	0
16. Emulsion															
MORTH 503															
16.1	RS 1 (Tack coat)	IS: 8887	Per Lot	0	0	0	0	0	0	0	0	0	0	0	0
16.2	SS II (Prime coat)	IS: 8887	Per Lot	0	0	0	0	0	0	0	0	0	0	0	0

17.0 RATE OF SPRAY																		
MORTH 503																		
17.1	Prime coat	As per MORTH& H	3 test / day	0	0	0	0	0	0	0	0	0	0	0	0			
17.2	Tack Coat	As per MORTH& H	3 test / day	0	0	0	0	0	0	0	0	0	0	0	0			
18.0 DENSE BITUMINOUS MACADAM GRADING- 2																		
MORTH 505																		
18.1	Binder Content	As per MORTH& H	Test/ 400 Tonne Mix	0	0	0	0	0	0	0	0	0	0	0	0			
18.2	Combined Gradation	As per MORTH& H	Test/ 400 Tonne Mix	0	0	0	0	0	0	0	0	0	0	0	0			
18.3	Marshall Test (in Sets)	ASTM D 1559	Test/ 400 Tonne Mix	0	0	0	0	0	0	0	0	0	0	0	0			
18.4	A.I.V	IS: 2386 (P-4)	Test/ 350 m3 of Agg.	0	0	0	0	0	0	0	0	0	0	0	0			
18.5	FI & EI	IS: 2386 (P-1)	Test/ 350 m3 of Agg.	0	0	0	0	0	0	0	0	0	0	0	0			
18.6	Water Absorption & Specific Gravity	IS: 2386 (P-3)	Test/Source	0	0	0	0	0	0	0	0	0	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			
18.8	Stripping Value	IS: 6241	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0			
18.9	Core Density Test		Test/ 700 ram.	0	0	0	0	0	0	0	0	0	0	0	0			
19.0 DENSE BITUMINOUS MACADAM GRADING- 1																		
MORTH 505																		
19.1	Binder Content	As per MORTH& H	Test/ 400 Tonne Mix	0	0	0	0	0	0	0	0	0	0	0	0			
19.2	Combined Gradation	As per MORTH& H	Test/ 400 Tonne Mix	0	0	0	0	0	0	0	0	0	0	0	0			
19.3	Marshall Test (in Sets)	ASTM D 1559	Test/ 400 Tonne Mix	0	0	0	0	0	0	0	0	0	0	0	0			
19.4	A.I.V	IS: 2386 (P-4)	Test/ 350 m3 of Agg.	0	0	0	0	0	0	0	0	0	0	0	0			
19.5	FI & EI	IS: 2386 (P-1)	Test/ 350 m3 of Agg.	0	0	0	0	0	0	0	0	0	0	0	0			
19.6	Water Absorption & Specific Gravity	IS: 2386 (P-3)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0			
19.7	L.A.V.	IS: 2386 (P-4)	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0			
19.8	Stripping Value	IS: 6241	Test/Source	0	0	0	0	0	0	0	0	0	0	0	0			
19.9	Core Density Test	As per MORTH& H	Test/ 700 ram.	0	0	0	0	0	0	0	0	0	0	0	0			
Total				1158	1158	0	8240	8235	0	19828	19823	0	2215	1601	3816	262	0	262

Total Tests Conducted this Month	8240
Total Tests Witnessed by IE's this Month	1601
Total Test Witnessed by IE's in % this Month	19.43%

Total Tests Conducted this Month	8240
Total Tests Witnessed by NHAI this Month	0
Total Test Witnessed by NHAI in % this Month	0.00%

Concessionaire's Representative

Independent Engineer's Representative

Package-III

Monthly Progress Report December- 2022

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

SL. NO.	DATE	TEMPERATUR		REL.		VEATHER	RAIN FALL (mm)	CUMM. RAIN FALL	REMARKS
		MIN.	MAX.	MIN.	MAX.				
1	01.12.2022	14.2	28.7	47	69	MOSTLY SUNNY	0	0	
2	02.12.2022	13.6	30.1	49	67	MOSTLY SUNNY	0	0	
3	03.12.2022	14.1	29.7	48	69	MOSTLY SUNNY	0	0	
4	04.12.2022	12.8	28.7	46	70	MOSTLY SUNNY	0	0	
5	05.12.2022	14.1	29.1	47	69	MOSTLY SUNNY	0	0	
6	06.12.2022	15.3	30.7	46	64	MOSTLY SUNNY	0	0	
7	07.12.2022	14.7	29.3	48	67	MOSTLY SUNNY	0	0	
8	08.12.2022	13.3	28.9	45	69	MOSTLY SUNNY	0	0	
9	09.12.2022	15.1	29.8	46	70	MOSTLY SUNNY	0	0	
10	10.12.2022	15.2	29.7	46	68	MOSTLY SUNNY	0	0	
11	11.12.2022	14.6	29.1	47	69	MOSTLY SUNNY	0	0	
12	12.12.2022	15.1	30.3	48	70	MOSTLY SUNNY	0	0	
13	13.12.2022	16.3	31.4	47	70	MOSTLY SUNNY	0	0	
14	14.12.2022	14.2	28.6	46	69	MOSTLY SUNNY	0	0	
15	15.12.2022	15.2	29.3	47	68	MOSTLY SUNNY	0	0	
16	16.12.2022	16.1	28.5	48	67	MOSTLY SUNNY	0	0	
17	17.12.2022	15.1	29.3	47	70	MOSTLY SUNNY	0	0	
18	18.12.2022	14.2	30.2	49	68	MOSTLY SUNNY	0	0	
19	19.12.2022	13.6	30.1	45	71	MOSTLY SUNNY	0	0	
20	20.12.2022	14.7	29.7	50	69	MOSTLY SUNNY	0	0	
21	21.12.2022	13.7	27.8	46	70	MOSTLY SUNNY	0	0	
22	22.12.2022	15.1	29.2	48	65	MOSTLY SUNNY	0	0	
23	23.12.2022	12.7	26.7	46	68	MOSTLY SUNNY	0	0	
24	24.12.2022	13.0	28.4	45	64	MOSTLY SUNNY	0	0	
25	25.12.2022	16.7	27.2	44	67	MOSTLY SUNNY	0	0	
26	26.12.2022	15.3	29.3	47	69	MOSTLY SUNNY	0	0	
27	27.12.2022	14.2	28.4	46	64	MOSTLY SUNNY	0	0	
28	28.12.2022	16.9	28.1	49	76	MOSTLY SUNNY	0	0	
29	29.12.2022	17.1	27.4	50	74	MOSTLY SUNNY	0	0	
30	30.12.2022	17.6	27.6	51	73	MOSTLY SUNNY	0	0	
31	31.12.2022	17.5	27.4	51	75	MOSTLY SUNNY	0	0	
Totally This Month Rain Fall									
Rain Fall (in mm)						This Month		0	
Concessionaire's Representative						Independent Engineer's Representative			

Construction of 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 (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

11.2 ACCIDENT DATA REPORT- December-2022

Stretch:- 89+236 To 135+351
 Stretch Chainage:- Suhagada to Baradiya Amra
 State:- M.P.
 District:- Mandasur & Jhalawar
 Police Station:- Shangarh,Garoth,Suwasara,Dug

Sl. No.	Date (DD:MM:YY)	Location: Chainage/Km	Time of Accident (AM/PM)	A*	B*	C*	D*	E*	F*	G*	H*	J*		No. of Persons Affected				No. of Animals Killed if any	Help provided by the ambulance/patrol vehicles	Remarks
				Accident Location	Nature of Accident	Classification of Accident	Causes	Road Feature	Road Condition	Intersection Type	Weather Condition	Vehicle Type/ Pedestrian Involved		Fatal	Grevious Injury	Minor Injury	Not Injured			
												Vehicle Registration No.	Vehicle Type							
Up to End of December-2022, no accident was occurred																				

Concessionaire Representative

Independent Engineer Representative

*** Legend: Use notations given here to fill the data in the columns**

- A. Urban/Rural and Details of Surrounding Landuse.
- B.1-Overturning, 2-Head on Collision, 3-Rear End Collision, 4-Collision Brush/Side Wipe, 5-Right Turn Collision, 6-Skidding,, 7-Left Turn Collision, 8-Others (Pl Specify)
- C.1-Fatal, 2-Grovious Injury, 3-Minor Injured, 4-Non Injury.
- D. 1-Drunken, 2-Overspeeding, 3-Vehicle out of control, 4-Fault of driver of motor vehicle/cyclist/passenger, 5-Defect in mechanical condition of motor vehicle /road condition.
- E. 1-single lane, 2-two lanes, 3-three lanes of more without central divider, 4-Four lanes or more with central divider
- F. 1-Single lane, 2-slight curve, 3-Sharp curve, 4-Flat Road, 5-Gentle incline, 6-Steep incline, 7-Hump, 8-Dip.
- G. 1-TJunction, 2-Y Junction, 3-Four arm Junction, 4-Staggered Junction, 5-Junction with more than four arms, 6-Roundabout junction, 7-Manned Rail crossing, 8-Unmanned Rail crossing.
- H. 1-Fine, 2-Mist/Fog, 3-Cloudy, 4-Light rain, 5-Heavy rain, 6-Hail/Sleet, 7-Snow, 8-Strong Wind, 9-Dust Storm, 10-Very Hot, 11-Very cold, 12-Other extraordinary weather condition.
- J. 1-Car, 2-SUV, 3-Bus, 4-Mini bus, 5-Truck, 6-2Wheeler, 7-3Wheeler, 8-Cylce, 9-Pedestrian.

Package-III**Monthly Progress Report December- 2022**

Construction of Four Laning of Ujjain Garoth (Package III), Suhagada to Bardiya Amra from Km 89+236 to Km 135+351 section of NH-148NG in the state of MP (LOA No. NHAI/HQ/MP/Ujjain Garoth/Package-III) on HAM mode in the state of Madhyapradesh

+12. Visit & Meeting

S.N.	Date	Visit & Meeting
1.	26.08.2022	Manager Tech.(NHAI PIU Ujjain) inspected the project site of Package-III
2.	01.11.2022	Team Leader inspected the project site of Package-III
3.	08.11.2022	Project Director NHAI PIU Ujjain) inspected the project site of Package-III
4.	17.11.2022	Project Director (NHAI PIU Ujjain) inspected the project site of Package-III
5.	03.12.2022	Project Director (NHAI PIU Ujjain) inspected the project site of Package-III
6	16.12.2022	DRB NHAI inspected the project site of Package-III
7	23.12.2022	Team Leader inspected the project site of Package-III

UG-III Site Photograph



DRB Visit



DRB Visit



Chainage Pillar Erection



Curing of Bottom Slab



Borrow Area Marking



FDD Testing of embankment Layer



Raft Casting Work in Progress



Curing of Box Culvert Raft



FDD Testing of embankment Layer



Shot on OnePlus
By Er. K.K. 2022.12.26 17:08

Safety Sign



Safety Sign



Safety Sign