Monthly Progress Report for the month of April-2023

Project: Up-gradation & 4 Laning of Poanta Saheb- Ballupur sec. of NH-72 in Uttarakhand state under NH (O) on HAM pkg-II Medinipur to Ballupur from CH 18.700 To CH 44.800.

Client

National Highway Authority of India

Independent Engineer

M/s URS Scott Wilson India Pvt. Ltd. In JV with The Lion Engineering Consultant Pvt Ltd.

Concessionaire

M/s MKC Poanta - Saheb Dehradun Kedarnathji Highways Pvt LTD.

Contractor

MKC Infrastructure Ltd.

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1. Executive Summary

This report covers the activities undertaken by the **contractor** during the month of April 2023.

1.1 Construction progress in current month

Description	Up to Previous	This Month	Up to Date
Financial Progress	0.51	0.88	1.39
Expenditure (in Cr)	20	7.52	27.52

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

2 Project Overview

2.1 Salient Feature of Project

S.N.	Details	
1	Project	Up-gradation & 4 Laning of Poanta Saheb- Ballupur sec. of NH-72 in Uttarakhand state under NH(O) on HAM Pkg-II Medinipur to Ballupur from CH 18.700 To CH 44.800. **(Package-II)**
2	NH No.	72
3	Mode of Execution	HAM
4	Client/ Authority	National Highways Authority of India
5	Authority's Engineer	M/s URS Scott Wilson India Pvt. Ltd. In JV with The Lion Engineering Consultant Pvt Ltd.
6	Concessionaire	M/s MKC Paonta – Saheb Dehradun Kedarnathji Highways Pvt.Ltd
7	Safety Consultant	Yet to Appoint.
8	Proof Consultant	Yet to Appoint.
9	Design Consultant	Aartav Engineering Pvt. Ltd.
10	Project Chainages	Ch. 18.700 to 44.800
11	No of lanes/ configuration	4 – Lane
12	Contract Price	Rs. 516.56 Cr
13	Date of LOA	30.05.2022
14	Agreement Date	14.07.2022
15	Appointed Date	18.02.2023
16	Scheduled Date of Completion	17.02.2025
17	Construction Period	Issuance 24 Months (730 Days)
18	Maintenance Period	15 Year from the date of Completion Certificate
19	Retention Money	

2.2 Project Milestone

Milestone	Description	Target Date	Revised Date	
Milestone-I	150th Days from the Appointment Date and the Financial Progress not less than 20% of Contract Price	18th July 2023	-	In Progress
Milestone-II	330th Days from the Appointment Date and the Financial Progress not less than 35% of Contract Price	14th January 2024	-	
Milestone-III	510th Days from the Appointment Date and the Financial Progress not less than 75% of Contract Price	12thJuly 2024	-	
Milestone-IV Scheduled completion Date	730th Days from the Appointment Date and the Financial Progress not less than 100% of Contract Price	17th February 2025		

3. Physical Progress & Hindrance in the Project

3.1 Highways

1. Work front unavailable & Reason unavailability		
	Length (Km)	% Total
1. Carriageway		
Total Length	26.1	-
Total Work Front unavailable	21.270	
Pending Land		
Acquired	21.270	
Encumbrance	4.830	

2. Length completed by layer (MCW)		
	Length (Km)	% Total
Total Length	26.1	-
Total Length Completed (Till BC)		0%
BC		
DBM		0%
CTB		0%
CTSB		0%
Sub-Grade		0%
Embankment		
C&G		

3.2 Details of Physical Progress: -

Sr. No.	Item Description	Unit	Total Qty.	Rate	Quantity			Amount		
					Up to Date	Up to Previous	This month	Up to Date	Up to Previous	This month
A	**Widening and strengthening of existing road**						0			
1	(1) Site Clearance	Km	4.50	68,415.50			0	₹ 0.00	-	₹ 0.00
2	(2) Earthwork up to top of the sub-grade	Km	4.50	1,00,12,608.75			0	₹ 0.00	-	₹ 0.00
3	(3) Granular work (sub-base, base, shoulders)						0	₹ 0.00	-	₹ 0.00
4	(a) GSB	Km	4.50	1,25,16,616.13			0	₹ 0.00	-	₹ 0.00
5	(4) Bituminous work						0	₹ 0.00	-	₹ 0.00
6	(a) DBM	Km	4.50	70,57,059.05			0	₹ 0.00	-	₹ 0.00
7	(b) BC	Km	4.50	45,53,051.67			0	₹ 0.00	-	₹ 0.00
8	**Subtotal (A)**						0	₹ 0.00	-	₹ 0.00
B	**New realignment/bypass**						0	₹ 0.00	-	₹ 0.00
9	(1) Site Clearance	Km	21.60	1,67,164.56	-		0	₹ 0.00	-	₹ 0.00
10	(2) Earthwork up to top of the sub-grade	Km	21.60	2,46,84,632.70			0	₹ 0.00	-	₹ 0.00
11	(3) Granular work (sub-base, base, shoulders)						0	₹ 0.00	-	₹ 0.00
12	(a) GSB	Km	21.60	3,08,58,576.96			0	₹ 0.00	-	₹ 0.00
13	(b) WMM	Km	21.60	2,71,14,090.91			0	₹ 0.00	-	₹ 0.00

14	(4) Shoulders						0	₹ 0.00	-	₹ 0.00
15	(5) Bituminous work						0	₹ 0.00	-	₹ 0.00
16	(a) DBM	Km	21.60	1,73,96,258.08			0	₹ 0.00	-	₹ 0.00
17	(b) BC	Km	21.60	1,12,22,313.83			0	₹ 0.00	-	₹ 0.00
18	**Subtotal (B)**						0	₹ 0.00	-	₹ 0.00
C	**New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:**						0	₹ 0.00	-	₹ 0.00
19	(1) Culverts						0	₹ 0.00	-	₹ 0.00
20	(i) Box Culverts (New & Reconstruction)	No.					0	₹ 0.00	-	₹ 0.00
20	(a)Raft (40%)	No.	15.00	72,55,045.25	1.50		1.5	₹ 1,08,82,567.88	-	₹ 1,08,82,567.88
21	(b)Wall (22%)	No.	15.00	39,90,274.89	0.50		0.5	₹ 19,95,137.44	-	₹ 19,95,137.44
21	(c) Slab (35%)	No.	15.00	63,48,164.60			0	₹ 0.00	-	₹ 0.00
22	(d)Other protection works (3%)	No.	15.00	5,44,128.39			0	₹ 0.00	-	₹ 0.00
22	(ii) Pipe Culvert						0	₹ 0.00	-	₹ 0.00
23	(a) PCC & other (8%)	No.	58.00	41,609.73	10.00		10	₹ 4,16,097.27	-	₹ 4,16,097.27
23	(b) Head Wall & encasing (64%)	No.	58.00	3,32,877.82	8.00		8	₹ 26,63,022.55	-	₹ 26,63,022.55
24	(c)Placing & supply of pipe)(28%)	No.	58.00	1,45,634.05	8.00		8	₹ 11,65,072.37	-	₹ 11,65,072.37
24	(2) Minor bridges						0	₹ 0.00	-	₹ 0.00
25	(i) Foundation	Mtr	452.00	5,09,367.36	40.00	24.00	16	₹ 2,03,74,694.37	1,22,24,816.62	₹ 81,49,877.75
25	(ii) Sub-structure	Mtr	452.00				0	₹ 0.00	-	₹ 0.00

26	(a) Wall 1st Lift (with haunch) (34%)	Mtr	452.00	1,00,975.32	24.00		24	₹ 24,23,407.63	-	₹ 24,23,407.63
26	(b) Wall 2nd Lift (32%)	Mtr	452.00	95,035.59			0	₹ 0.00	-	₹ 0.00
27	(c) Wall3rd lift (with haunch)(34%)	Mtr	452.00	1,00,975.32			0	₹ 0.00	-	₹ 0.00
27	(iii) Super-structure	Mtr	452.00	1,60,526.39			0	₹ 0.00	-	₹ 0.00
28	(iv) Approaches	No.	38.00	5,04,653.29			0	₹ 0.00	-	₹ 0.00
28	(vi) Other Ancillary Works	No.	452.00	7,939.48			0	₹ 0.00	-	₹ 0.00
29	**(3) Grade separated structures**						0	₹ 0.00	-	₹ 0.00
30	(a) Underpasses						0	₹ 0.00	-	₹ 0.00
31	(i) Foundation	Mtr	248.50	4,61,668.07	24.00	12.00	12	₹ 1,10,80,033.65	55,40,016.82	₹ 55,40,016.82
32	(ii) Sub-structure	Mtr	248.50				0	₹ 0.00	-	₹ 0.00
33	(a) Wall 1st Lift (with haunch) (34%)	Mtr	248.50	1,46,226.48	24.00		24	₹ 35,09,435.49	-	₹ 35,09,435.49
34	(b) Wall 2nd Lift (32%)	Mtr	248.50	1,37,624.92	24.00		24	₹ 33,02,998.10	-	₹ 33,02,998.10
35	(c) Wall3rd lift (with haunch)(34%)	Mtr	248.50	1,46,226.48	12.00		12	₹ 17,54,717.74	-	₹ 17,54,717.74
36	(iii) Super-structure	Mtr	248.50	1,82,320.53			0	₹ 0.00	-	₹ 0.00
37	(iv) Approaches	No.	12.00	16,07,414.19			0	₹ 0.00	-	₹ 0.00
38	(v) Other Ancillary Works	No.	248.50	16,697.67			0	₹ 0.00	-	₹ 0.00
39	(4) Overpass						0	₹ 0.00	-	₹ 0.00
40	(i) Foundation	Mtr	16	15,84,050.61			0	₹ 0.00	-	₹ 0.00
41	(ii) Sub-structure	Mtr	16	2,87,372.01			0	₹ 0.00	-	₹ 0.00
42	(iii) Super-structure	Mtr	16	9,67,252.14			0	₹ 0.00	-	₹ 0.00

43	(iv) Approaches	No.	2	25,23,266.46			0	₹ 0.00	-	₹ 0.00
44	(v) Other Ancillary Works	No.	16	35,045.37			0	₹ 0.00	-	₹ 0.00
45	(5) Foot over Bridge	No.	3	60,18,457.78			0	₹ 0.00	-	₹ 0.00
46	**Subtotal (C)**						0	₹ 0.00	-	₹ 0.00
D	**New Major Bridges**						0	₹ 0.00	-	₹ 0.00
47	(1) New Major Bridges						0	₹ 0.00	-	₹ 0.00
48	(i) Foundation	Mtr	105	18,65,452.64			0	₹ 0.00	-	₹ 0.00
49	(ii) Sub-structure	Mtr	105	5,99,367.03			0	₹ 0.00	-	₹ 0.00
50	(iv) Super-structure	Mtr	105	10,09,037.48			0	₹ 0.00	-	₹ 0.00
51	(v) Approaches	No.	2	81,42,431.97			0	₹ 0.00	-	₹ 0.00
52	(vi) RE Wall	No.	4	6,59,50,454.95			0	₹ 0.00	-	₹ 0.00
53	(vi) Other Ancillary Works	Mtr	105	37,692.15			0	₹ 0.00	-	₹ 0.00
54	**Subtotal (D)**						0	₹ 0.00	-	₹ 0.00
E	**Utility Shifting**						0	₹ 0.00	-	₹ 0.00
55	EHT line	Km	0.0				0	₹ 0.00	-	₹ 0.00
56	EHT crossing	No.	2.000	1,50,44,810.00			0	₹ 0.00	-	₹ 0.00
57	HT/LT lines (including Transformers if any)	Km	3.620	83,12,049.72			0	₹ 0.00	-	₹ 0.00
58	HT/LT crossings	No.	43.000	6,99,758.60	12.00	12.00	0	₹ 83,97,103.20	83,97,103.20	₹ 0.00
F	Miscellaneous	Lum Sum					0	₹ 36,02,896.80	-	₹ 36,02,896.80
Total Amount								**71,56,7,184.49**	**2,61,61,936.64**	**4,54,05,247.85**

3.3 Structures:

Type of Structure	NOS	In-progress	Completed	Balance to be tackled
Box Culverts	15	2	0	
Pipe Culvert	58	10		
VOP	1	0	0	
LVUP	3	2	0	
VUP	3	0	0	
ROB	0	0	0	
Minor Bridge	19	6	0	
Major Bridge	1	0	0	
MCW		0	0	
Ramp		0	0	

PKG-II Medinipur to Ballupur from Design Ch-18.700 to 44.800

Progress of MNB

S.no	Design Chainage	Structure Description	LHS								RHS								Remarks
			Excavation		PCC		Raft		Pier/Abutment/Wall	Slab	Excavation		PCC		Raft		Pier/Abutment/Wall	Slab	
			A1	A2	A1	A2	A1	A2	A1	Slab	A1	A2	A1	A2	A1	A2	A1	Slab	
1	Ch. 19+297	MNB																	Box Type
2	Ch. 20+163	MNB																	Box Type
3	Ch. 20+820	MNB																	Box Type
4	Ch. 21+762	MNB																	Box Type
5	Ch. 22+554	MNB																	Box Type
6	Ch. 22+972	MNB																	Box Type
7	Ch. 24+090	MNB																	Box Type
8	Ch. 24+377	MNB																	Box Type
9	Ch. 25+320	MNB																	Box Type
10	Ch. 25+815	MNB																	Box Type
11	Ch. 26+487	MNB																	Box Type
12	Ch. 27+042	MNB																	Box Type
13	Ch. 27+741	MNB																	Box Type
14	Ch. 28+122	MNB																	Box Type

15	Ch. 28+222	MNB																	Box Type
16	Ch. 29+174	MNB																	Box Type
17	Ch. 29+659	MNB																	Box Type
18	Ch. 30+300	MNB																	Box Type
19	Ch. 31+745	MNB																	Box Type

Status of works in Underpasses

S.no	Design Chainage	Structure Description	Span	Side	Excavation	PCC	Raft	Wall (1st lift)	Wall (2nd lift)	Wall (3rd lift)	Wall (4rd lift)	Slab	Finishing	Remarks
1	Km. 22+559	VUP	20+30+20	LHS										
				RHS										
2	Km. 28+285	LVUP	1 x 12 x 4.5m	LHS										
				RHS										
3	Km. 30+252	LVUP	1 x 12.0 x 4.5m	LHS										
				RHS										
4	Km. 31+652	VUP	20+30+20	LHS										

				RHS											
5	Km. 39+493	LVUP	1 x 12.0 x 4.5m	LHS											
				RHS											
6	Km. 39+732	VOP	1 x 7.0 x 4.5m	LHS											
				RHS											
7	Km. 40+023	VUP	20+32.5+20	LHS											
				RHS											

Status of Culverts																										
S.no	**Design Chainage**	**Structure Description**	**Span Arrangement**	**Type of Proposal**	**LHS**										**RHS**											
					Excavation	**Box PCC**	**Box Raft**	**Box Wall**	**Box Deck Slab**	**Parapet/Railing**	**Ret. Wall PCC**	**Ret. Wall Raft**	**Wing/Ret. Wall**	**Miscellaneous works**	**Excavation**	**Box PCC**	**Box Raft**	**Box Wall**	**Box Deck Slab**	**Parapet/Railing**	**Ret. Wall PCC**	**Ret. Wall Raft**	**Wing/Ret. Wall**	**Miscellaneous works**
1	Ch. 19+080	BOX CULVERT	1X6X4	New																						

2	Ch. 21+108	BOX CULVERT	1X6X3	New																				
3	Ch. 21+283	BOX CULVERT	1X6X3	New																				
4	Ch. 21+408	BOX CULVERT	1X6X3	New																				
5	Ch. 21+610	BOX CULVERT	1X6X3	New																				
6	Ch. 25+992	BOX CULVERT	1X6X3.5	New																				
7	Ch. 26+612	BOX CULVERT	1X6X4	New																				
8	Ch. 26+794	BOX CULVERT	1X6X3.5	New																				
9	Ch. 31+005	BOX CULVERT	1X6X3.5	New																				
10	Ch. 35+575	BOX CULVERT	1X4X3	New																				
11	Ch. 39+070	BOX CULVERT	1X6X3	New																				
12	Ch. 40+052	BOX CULVERT	1X2X2	New																				
13	Ch. 41+923	BOX CULVERT	1X2X2	New																				
14	Ch. 43+998	BOX CULVERT	1X2X2	New																				
15	Ch. 44+191	BOX CULVERT	1X2X2	New																				

PKG-II Medinipur to Ballupur from Design Ch-18.700 to 44.800

Status of Culverts - Connecting Road/ Cross Road/ Service Road/ Slip Road/ Loop/ Ramp

S.No	Design Chainage	Structure Description	Type of Proposal	LHS							RHS							Remarks
				Excavation	PCC for Pipe Below	Cradle Concrete	Pipe Laying	Encasing	Headwall	Miscellaneous	Excavation	PCC for Pipe Below	Cradle Concrete	Pipe Laying	Encasing	Headwall	Miscellaneous	
1	19+250	HPC	New															
2	20+205	HPC	New															
3	20+360	HPC	New															
4	20+438	HPC	New															
5	20+468	HPC	New															
6	21+945	HPC	New															
7	22+083	HPC	New															
8	22+160	HPC	New															
9	22+214	HPC	New															
10	22+339	HPC	New															
11	22+769	HPC	New															
12	22+807	HPC	New															
13	23+197	HPC	New															
14	23+440	HPC	New															
15	23+566	HPC	New															
16	23+932	HPC	New															

17	24+147	HPC	New															
18	24+511	HPC	New															
19	24+820	HPC	New															
20	24+878	HPC	New															
21	25+150	HPC	New															
22	26+366	HPC	New															
23	27+243	HPC	New															
24	27+358	HPC	New															
25	27+452	HPC	New															
26	27+959	HPC	New															
27	28+295	HPC	New															
28	28+384	HPC	New															
29	28+581	HPC	New															
30	28+619	HPC	New															
31	29+476	HPC	New															
32	30+097	HPC	New															
33	30+460	HPC	New															
34	30+661	HPC	New															
35	30+838	HPC	New															
36	30+928	HPC	New															
37	31+781	HPC	New															
38	31+962	HPC	New															

39	32+059	HPC	New															
40	32+115	HPC	New															
41	32+178	HPC	New															
42	32+228	HPC	New															
43	32+291	HPC	New															
44	32+434	HPC	New															
45	33+439	HPC	New															
46	33+600	HPC	New															
47	34+062	HPC	New															
48	34+352	HPC	New															
49	35+153	HPC	New															
50	36+577	HPC	New															
51	37+014	HPC	New															
52	37+460	HPC	New															
53	37+540	HPC	New															
54	37+840	HPC	New															
55	38+175	HPC	New															
56	38+750	HPC	New															
57	38+850	HPC	New															
58	39+219	HPC	New															

3.4 Highway Progress: -

C&G and OGL FDD Report							
SR NO	CHAINAGE		SIDE	LENGTH	RFI No	Date	REMARKS
	FROM	TO					
1	25+350	25+600	BHS	250	125	05.04.2023	FDD Checked & Found OK
2	25+600	25+800	BHS	200	295	28.04.2023	FDD Checked & Found OK
3	26+370	26+470	RHS	100	296	28.04.2023	FDD Checked & Found OK
4	26+500	26+570	BHS	70	297	28.04.2023	FDD Checked & Found OK
5	26+700	26+800	BHS	100	298	28.04.2023	FDD Checked & Found OK
6	26+850	26+950	BHS	100	299	28.04.2023	FDD Checked & Found OK
7	27+180	27+230	BHS	50	300	28.04.2023	FDD Checked & Found OK
8	27+400	27+600	BHS	200	301	28.04.2023	FDD Checked & Found OK
9	27+780	27+900	BHS	120	319	29.04.2023	FDD Checked & Found OK
10	28+300	28+550	BHS	250	302	28.04.2023	FDD Checked & Found OK
11	28+600	28+700	BHS	100	277	27.04.2023	FDD Checked & Found OK
12	28+850	29+050	BHS	200	293	28.04.2023	FDD Checked & Found OK
13	29+650	29+800	BHS	150	273	26.04.2023	FDD Checked & Found OK
14	29+800	30+100	BHS	300	272	26.04.2023	FDD Checked & Found OK
15	30+100	30+150	RHS	50	271	26.04.2023	FDD Checked & Found OK
16	30+450	30+600	BHS	150	317	29.04.2023	FDD Checked & Found OK
17	30+600	30+720	BHS	120	318	29.04.2023	FDD Checked & Found OK
18	30+720	30+840	BHS	120	320	30.04.2023	FDD Checked & Found OK
19	30+840	30+930	BHS	90	321	30.04.2023	FDD Checked & Found OK
	Total Length			**2720**			

3.5 Utility Shifting:

S. No	Chainage	Line Name	Status	Remarks
1	19+300	11 KV	Complete	
2	22+586	LT Line	Complete	
3	22+720	11 KV	Complete	
4	23+350	11 KV	Complete	
5	25+250	11 KV	Complete	
6	26+150	LT Line	Complete	
7	27+700	11 KV	Complete	
8	28+060	11 KV	Complete	
9	28+300	LT Line	Complete	
10	28+450	LT Line	Complete	
11	29+100	LT Line	Complete	
12	29+100	11 KV	Complete	

3.6 Design & Drawing Status

Sr. No.	Type of Structure	Total Nos	Submitted	Approved	Pending		Remarks
					For MKCIL to Submit	For AE To approval	
1	Box culvert	15.00	5.00	3.00	10.00	2.00	
2	Pipe Culvert 1.2m	58.00	31.00	31.00	27.00	-	
3	Pipe Culvert 0.9m	60.00	-	-	60.00	-	
4	LVUP	3.00	2.00	2.00	1.00		
5	VUP	3.00	1.00	-	2.00	1.00	
6	VOP	1.00	-	-	1.00	-	
7	Major Bridge	1.00	1.00	-	-	1.00	
8	Minor Bridge	19.00	14.00	11.00	5.00	3.00	
9	Typical Cross Sections	1.00	1.00	-	-	1.00	
10	Plan & Profile (Upto 38 Chainage)	1.00	1.00	-	-	1.00	

4 Current issues and recommended action by IE:

4.1 Issues: -

1. Land Acquisition from Ch 18.700 to Ch 19.300.
2. Several Payment Issues and Dispute in the Working Area.

4.2 List of Hindrance in the Alignment: -

S.No	Location		Hindrance Length	Remarks
	Ch From	Ch To		
1	18+700	19+300	600	Land not Hand over to Concessioner.
2	20+260	20+650	390	Payment Issue
3	20+870	20+950	80	Payment Issue
4	21+250	21+480	230	Payment Issue
5	21+870	22+150	280	Payment Issue & Land Dispute
6	22+220	22+450	230	Payment Issue & Land Dispute
7	22+650	22+700	50	Court Case & Payment Issue
8	22+850	22+950	100	Horticulture & Land Payment Issue
9	23+080	23+650	570	Payment Issue
10	23+650	23+700	50	Court Case & Payment Issue
11	23+970	24+220	250	Payment Issue
12	24+310	24+340	30	Plotting, Boundary wall & Land Payment Issue
13	24+750	24+820	70	Payment Issue
14	25+050	25+220	170	Payment Issue

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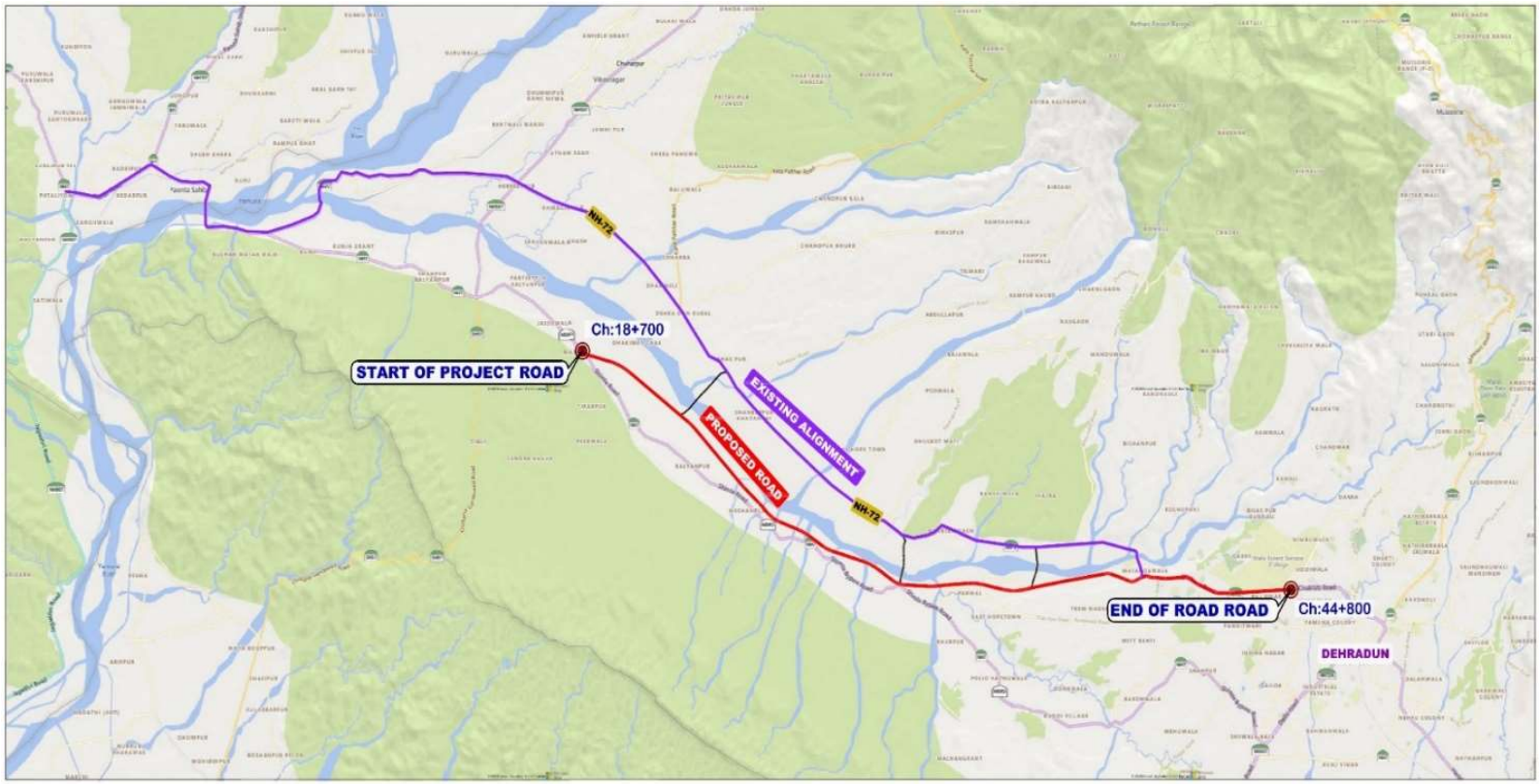
15	25+700	26+000	300	MNB Height & Land Payment Issue
16	26+120	26+350	230	Payment Issue
17	26+600	26+900	300	Payment Issue & Land Dispute
18	27+080	27+180	100	Payment Issue
19	27+880	28+000	120	Payment Issue
20	28+450	28+520	70	Issue of Local & payment Issue
21	28+820	28+860	40	Structure & Payment Issue
22	28+950	29+040	90	Structure & Payment Issue
23	29+040	29+090	50	Payment Issue of Structure Owner
24	29+380	29+520	140	Populated Area
25	31+050	31+650	600	Golden Forest, Structure & Payment Issue
26	31+770	32+080	310	Payment Issue
27	32+430	32+580	150	Payment Issue
28	32+580	32+920	340	Payment Issue
29	33+080	33+300	220	Structure, Building & Payment issue & Demand for Service Road.
30	35+400	35+600	200	Payment Issue
31	36+300	36+850	550	Building & Structure
32	37+100	37+220	120	Slum Area
33	37+900	38+120	220	Building & Slum Area
34	38+220	38+310	90	Building & Structure
35	38+850	40+000	1150	Building & Structure
Total Length in Meter			**8490**	

5. Project Location



6. Critical issues and action log

6.1 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					Under Process
3	HT Line Shifting		NHAI					In Progress
4	Approval for Design and Drawings		NHAI					Under Process

6.2 Obligations

6.2.1 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	NHAI/PIU-VV/4Laning/RKC/MKC/PKG-I & II/4121

6.2.2 Obligations of Concessionaire

Sl. No.	Clause no.	Obligation	Status	Remarks/Letter references
1	Article 9	Performance Bank Guarantee	Submitted	
2	Article 9	Balance Performance Bank Guarantee	Submitted	
3	Article 11	Shifting/Relocation of Electrical Utilities	Work In Progress	MKCIL/GNR/UK_PSB_PKG-02/56 & MKCIL/GNR/UK_PSB_PKG-02/57
4	Article 26	Proposed Insurance Policies As per Article 26	Work In Progress	MKCIL/GNR/UK_PSB_PKG-02/36 & MKCIL/GNR/UK_PSB_PKG-02/40
5	Article 18.1.2	Appointment of Safety Consultant	Yet to Appoint	50021/NHAI/RO-UKD/2014/17935

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6		Appointment of Design Director	Appointed	
7	Article 10	Applicable Permit		
a)		Permission of state government for extraction of boulder from quarry	At Final stage	
b)		Permission of village panchayats and pollution control board for installation of crushers	In Progress	
c)		License of use of explosives	In Progress	
d)		Permission of state government of drawing of water from river/reservoir	N/A	
e)		License from inspector of factories or other competent Independent for setting up batching plant	Obtained	
f)		Clearance of pollution control board for setting up batching plant	Obtained	
g)		Permission of village panchayats and pollution control board for setting up asphalt plant	In Progress	
h)		Permission of village panchayats and state government for borrow earth.	In Progress	
i)		Labor License	Submitted	MKCIL/GNR/UK_PSB_PKG-02/061
8		Handover Memorandum	Submitted	
9		Pavement Design Report	In Progress	
10		Plan and Profile & Typical Cross Section	In Progress	
11		Quality Assurance Plan & Manual	Submitted	MKCIL/GNR/UK_PSB_PKG-02/046
12		Construction Methodology	Submitted	MKCIL/GNR/UK_PSB_PKG-02/50

7.Mobilization of Resources

7.1. Resource mobilization by contractor/ concessionaireEquipment Resources

Sr. No	Item Description	Unit	Quantity
1	Hydraulic Excavator (20 Ton)	Nos.	04
2	Dumpers (25 Ton)	Nos.	10
3.	Wheel Loader	Nos.	02
4.	Motor Grader	Nos.	01
5	Crane /Hydra	Nos.	01
6	Baby Roller	Nos.	01
7	Backhoe Loader	Nos.	03
8	Soil Compactor	Nos.	03
9	Transit Mixers	Nos.	04
10	Water Tanker	Nos.	07
11	Trailer	Nos.	02
12	Weigh Bridge	Nos.	02
13	Utility Vehicles	Nos.	04
14	Crusher Plant	Nos.	01
15	Concrete Batching Plant (CP 45)	Nos.	01
16	Screening Plant	Nos.	01
17	RE Block Plant	Nos.	01
18	DG Sets	Nos.	10
19	Diesel Tanker	Nos.	01
20	Bike	Nos.	05
21	LMV	Nos.	08
22	Compressor	Nos.	01
		Total	**65**

7.2. Manpower Resources

Sr. No.	Employee Name	Department	Designation	Remarks
1	Shivraj Singh	Project Execution	SPM	
2	Anupam Tiwary	Project Execution	DPM	
3	Anish Kumar	HR	Executive	
4	Gyanendra Namdev	Liaison	Asst. Manager	
5	Neeraj Singh Dhanik		Admin Cum Liaoning	
6	Lokesh Kumar Saraswat	Billing & Planning	Asst. Manager	
7	Suman Kumar		Engineer	
8	Shivam Goswami		Engineer	
9	Ravi Shankar	Highway	Engineer	
10	Somnath Pahari		Engineer	
11	Rohit Kumar		Supervisor	
12	Nishant Kumar Singh		Jr. Engineer	
13	Naveen Shah		Jr. Engineer	
14	Prakash Konai		Jr. Engineer	
15	Patel Komal Kumar		Jr. Engineer	
16	Raman Kumar		Jr. Engineer	
17	Avneesh Choudhary	Structure	Sr. Engineer	
18	Aman Singh Gola		Engineer	
19	Binay kr Mishra		Engineer	
20	Sanyam Singh		Engineer	
21	Radhika Kushwaha		Engineer	
22	Satyam Kumar		Jr. Engineer	
23	Ankush Kumar		Jr. Engineer	
24	Sumit Kumar		Jr. Engineer	
25	Shubh Kumar		Jr. Engineer	
26	Ashish Kumar	Survey	Asst. Surveyor	
27	Tinku Singh		Sr. Surveyor	
28	Vikash Kumar		Asst. Surveyor	
29	Vinod Kumar Patel	Mechanical	Sr. Engineer	
30	Arpit Sharma		Engineer	

31	Gaurav Rathor		Asst Mechanic	
32	ANKIT SHARMA		RMC PLANT OPT	
33	Vikash kumar		RMC PLANT-helper	
34	RAJPAL YADAV		WELDER	
35	SANJEEV		RMC PLANT-helper	
36	Sandeep Kumar	QA/QC	Lab Technician	
37	Rattan Singh		Engineer	
38	Ramnivash Dhakad		Lab Technician	
39	Sudhanshu Kumar		Jr. Engineer	
40	Vishal Kumar		Lab Helper	
41	Rohit Kumar		Lab Helper	
42	Sekhar Kumar		Lab Helper	
43	Lavi Sharma		Lab Helper	
44	Gaurav Gupta	IT	Sr. Executive	
45	Suprabht Kumar	Store	Executive	
46	Pawan kr. Sharam		Jr. Executive	
47	Vipul Sharma		Jr. Executive	
48	Ramnivash Dhakad		Supervisor	
49	Sanjay Kumar		Store Helper	
50	Sachin		Store Helper	

7.3. Manpower of Sub-Contractor

Sr .No.	Sub. Contractor. Name	Structure	Highway
1	Goyal Associate	90	
2	SR Construction	35	
3	JK Infra	20	
4	APS Infra		3
5	Balaji Infratech		4
6	Siddhi realcon Pvt Ltd.		4
	Total: -	**149**	**10**

8. Monitoring of maintenance obligations during construction phase

8.1 Critical issue and action log

I. Payment issues in the alignment.

II. Land Dispute in the alignment.

III. MNB 25+815 Local Hindrance & Local Peoples are not allowing to execute work in this structure.

IV. MNB 24+000 Local Hindrance.

8.2 Cumulative defects and deficiencies

Not applicable

8.3 Status of damage

Not applicable

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Monthly Progress Report of Laboratory April 2023

Sl.No	Type of Test	During Month (QTY)	Frequency	Test method	No of test Required during Month	No. of Test conducted up to previous months			No. of Test conducted During Month			No. of Test conducted up to this months			No. of Test conducted by Independent Engineer			Remarks
						Conducted	Pass	Fail	Conducted	Pass	Fail	Conducted	Pass	Fail	During month	Upto last month	To date	
A	**OGL**																	
i)	Grain Size Analysis		2 tests for 3000 cu.m of soil	IS 2720 Part-4	**0**	55	55	0	0	0	0	**55**	**55**	0	0	7	**7**	
ii)	Atterberg Limits (LL & PL)		2 tests for 3000 cu.m of soil	IS 2720 Part-5	**0**	55	55	0	0	0	0	**55**	**55**	0	0	7	**7**	
iii)	Proctor Test(MDD & OMC)		2 tests for 3000 cu.m of soil	IS 2720 Part-8	**0**	55	55	0	0	0	0	**55**	**55**	0	0	7	**7**	
iv)	Free Swell Index (FSI)		2 tests for 3000 cu.m of soil	IS 2720 Part-40	**0**	55	55	0	0	0	0	**55**	**55**	0	0	7	**7**	
v)	CBR Test		1 test for 3000 m^3	AASHTO T 193	0	1	1	0	0	0	0	**1**	**1**	0	0	0	**0**	
B	**Borrow Area**																	
i)	Grain Size Analysis		2 tests for 3000 cu.m of soil	IS 2720 Part-4	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Atterberg Limits (LL & PL)		2 tests for 3000 cu.m of soil	IS 2720 Part-5	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iii)	Proctor Test(MDD & OMC)		2 tests for 3000 cu.m of soil	IS 2720 Part-8	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iv)	Free Swell Index (FSI)		2 tests for 3000 cu.m of soil	IS 2720 Part-40	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
v)	CBR Test for SG		1 test for 3000 m^3	AASHTO T 193	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

C	**Cutting Soil for Emb/Subgrade**																
i)	Grain Size Analysis		2 tests for 3000 cu.m of soil	IS 2720 Part-4	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ii)	Atterberg Limits (LL & PL)		2 tests for 3000 cu.m of soil	IS 2720 Part-5	0	0	0	0	0	0	0	0	0	0	0	0	**0**
iii)	Proctor Test(MDD & OMC)		2 tests for 3000 cu.m of soil	IS 2720 Part-8	0	0	0	0	0	0	0	0	0	0	0	0	**0**
iv)	Free Swell Index (FSI)		2 tests for 3000 cu.m of soil	IS 2720 Part-40	0	0	0	0	0	0	0	0	0	0	0	0	**0**
vi)	CBR Test for SG		1 test for 3000 m^3	AASHTO T 193	0	0	0	0	0	0	0	0	0	0	0	0	**0**
D	**Field Compaction Test(FDD)**																
i)	Compaction Test for OGL (m^2)		1 Tests for every 3000 m^2	IS 2720 Part-28	323	0	0	0	323	323	39	323	323	39	323	0	**323**
ii)	Compaction Control for Embankment		1 Test/3000 m2	IS 2720 Part-28	0	0	0	0	0	0	0	0	0	0	0	0	**0**
iii)	Compaction Control for Sub Grade		1 Test/2000 m2	IS 2720 Part-28	0	0	0	0	0	0	0	0	0	0	0	0	**0**
E	**For Granular Subbase (m^3)**																
i)	Gradation		One test per 400 cu.m	IS 2386 Part-1	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ii)	Atterberg Limits (LL & PL)		One test per 400 cu.m	IS 2720 Part-5	0	0	0	0	0	0	0	0	0	0	0	0	**0**
iii)	Proctor Test(MDD & OMC)		As Required	IS 2720 Part-8	0	0	0	0	0	0	0	0	0	0	0	0	**0**
iv)	CBR Test in soaked condition		As Required	IS 2720 Part-28	0	0	0	0	0	0	0	0	0	0	0	0	**0**
v)	Water Absorption		As required	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	**0**

vi)	Ten percent Fines Value		Source Approval/when required	IS 2386 Part-4	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
F	**For Wet mix Macadam (m^3)**																	
i)	Gradation		One test per 200 cu.m of aggregate	IS 2386 Part-1	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Atterberg Limits (LL & PL)		One test per 200 cu.m of aggregate	IS 2720 Part-5	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iii)	Proctor Test(MDD & OMC)		As Required	IS 2720 Part-8	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iv)	Aggregate Impact Value(AIV)		One test per 1000 cu.m of aggregate	IS 2386 Part-4	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
v)	FI & EI		One set of three tests per 500 sq.m	IS 2386 Part-1	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
vi)	Water absorption of Aggregate		Source Approval/when required	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
G	**For Prime Coat / Tack Coat**																	
i)	Quality of binder		Number of samples per lot and tests as per IS:73, IS:217 and IS:8887 as applicable		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Binder temperature for application		At regular close intervals		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iii)	Rate of Spread of Binder/Prime coat (m^2)		Three tests per day	IRC SP 11	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iv)	Rate of Spread of Binder/Tack coat (m^2)		Three tests per day	IRC SP 11	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
H	**Bitumen (VG)**																	
i)	Penetration Test (Lot)		Each lot 1 test	IS 1203	0	0	0	0	0	0	0	0	0				**0**	

ii)	Softening Point (Lot)		Each lot 1 test	IS 1205	0	0	0	0	0	0	0	0	0				**0**	
i	**Modified Bitumen (CRMB)**																	
i)	Penetration Test (Lot)		Each lot 1 test	IS 1203	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Softening Point (Lot)		Each lot 1 test	IS 1205	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iii)	Elastic Recovery Test (Lot)		Each lot 1 test	IRC:SP:53	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
I	**Special Grade Bitumen**																	
i)	Penetration Test (Lot)		Each lot 1 test	IS 1203	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Softening Point (Lot)		Each lot 1 test	IS 1205	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
J	**Bituminous Macadam (M^3)**																	
i)	Quality of binder		Number of samples per lot and tests as per IS:73, IS:217 and IS:8887 as applicable	IS:73, IS:217 & IS:8887 as applicable	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Aggregate Impact Value/Los Angles Abrasion Value		One test per 200 cu.m of each source and whenever there is change in the quality of aggregate	IS 2386 Part-4	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iii)	Combined Flakiness and Elongation Indices		One test per 350 cu.m for each source	IS 2386 Part-1	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iv)	Stripping Value		One test of each source and whenever there is change in the quality of aggregate	IS: 6241	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
v)	Water absorption of Aggregates		One test of each source and whenever there is change	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

			in the quality of aggregate														
vi)	Water Sensitivity of mix		One test of each source and whenever there is change in the quality of aggregate	ASHTO 283	0	0	0	0	0	0	0	0	0	0	0	0	**0**
vii)	Grading of aggregate		Two tests per day		0	0	0	0	0	0	0	0	0	0	0	0	**0**
viii)	Soundness(Magnesium Sulphate/Sodium Sulphate)		One test for each source and whenever there is change in the quality of aggregate	IS:2386 Part-5	0	0	0	0	0	0	0	0	0	0	0	0	**0**
ix)	Percentage of fractured faces		One test per 100 cu.m of aggregate		0	0	0	0	0	0	0	0	0	0	0	0	**0**
x)	Binder Content		Two tests per day per plant	ASTM D 2172	0	0	0	0	0	0	0	0	0	0	0	0	**0**
xi)	Control of temperature of binder and aggregate for mix and of the mix at the time of laying and rolling		At regular intervals		0	0	0	0	0	0	0	0	0	0	0	0	**0**
xii)	Density of Compacted Layer		One test per 700 sq.m area	AASTHO T 166	0	0	0	0	0	0	0	0	0	0	0	0	**0**
xiii)	Rate of Spread of Mixed Material		At regular intervals		0	0	0	0	0	0	0	0	0	0	0	0	**0**
xiv)	Mix Grading (dry)		Each 400 tones of mix	MoRT&H T4	0	0	0	0	0	0	0	0	0	0	0	0	**0**
K	**Dense Bituminous Macadam**																
i)	Quality of binder		Number of samples per lot and tests as per IS:73, or IRC:SP:53, IS:15462	IS:73, IS:217 & IS:8887 as applicable	0	0	0	0	0	0	0	0	0	0	0	0	**0**

ii)	Aggregate Impact Value/Los Angles Abrasion Value		One test per 350 cu.m of aggregate for each source and whenever there is change in the quality of aggregate	IS 2386 Part-IV	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iii)	Combined Flakiness and Elongation Indices		One test per 350 cu.m of aggregate for each source and whenever there is change in the quality of aggregate	IS 2386 Part-I	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iv)	Soundness test (Sodium or Magnesium Sulphate test)		One test for each source and whenever there is change in the quality of aggregate	IS 2386 Part-V	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
v)	Water absorption of Aggregate		One test for each source and whenever there is change in the quality of aggregate	IS 2386 Part-III	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
vi)	Sand equivalent test		One test for each source and whenever there is change in the quality of aggregate		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
vii)	Plasticity Index		One test for each source and whenever there is change in the quality of aggregate		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
viii)	Polished stone value		One test for each source and whenever there is change in the quality of aggregate	IS:2386 Part-IV	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ix)	Percentage of fractured face		One test per 350 cu.m of aggregate when crushed gravel is used	ASTM D 5821, IS: 2386 - Part 1	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

x)	Mix grading		One set for individual constituent and mixed aggregate from dryer for each 400 tonnes of mix subject to two tests per day per plant		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xi)	Stability and voids analysis of mix including theoretical maximum specific of loose mix		Three tests for stability, flow value, density and void contents for each 400 tonnes of mix subject to minimum of two tests per day per plant		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xii)	Moisture Susceptibility of mix (AASHTO T283)		One test for each mix whenever there is change in the quality or source of coarse of fine aggregate	ASHTO 283	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xiii)	Temperature of binder in boiler, aggregate in dryer and mix at the time of laying and compaction		At regular intervals		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xiv)	Binder Content		One set for each 400 tonnes of mix subject to minimum of two tests per day per plant	MS-2, ASTM D 5581	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xv)	Rate of spread of mix material		After every 5th truck load		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xvi)	Density of Compacted Layer		One test per 700 sq.m area	AASTHO T 166	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xvii)	Stripping Value of Aggregate		Source Approval/when required	IS: 6241	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

xviii)	with sodium sulphate		Source Approval/when required	-	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xix)	with magnesium sulphate		Source Approval/when required	-	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xx)	SG/Water absorption of Aggregate		Source Approval/when required	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xxi)	Mix Grading (dry)		Each 400 tones of mix	MoRT&H Table 500-10	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xxii)	Stability of mix		Each 400 tones of mix	ASTM D 1559	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
L	**Bituminous Concrete (M^3)**																		
i)	Quality of binder		Number of samples per lot and tests as per IS:73, or IRC:SP:53, IS:15462		0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Aggregate Impact Value/Los Angles Abrasion Value		One test per 350 cu.m of aggregate for each source and whenever there is change in the quality of aggregate	IS 2386 Part-IV	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iii)	Flakiness and Elongation Index		One test per 350 cu.m of aggregate for each source and whenever there is change in the quality of aggregate	IS 2386 Part-I	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
iv)	Soundness test (Sodium or Magnesium Sulphate test)		One test for each source and whenever there is change in the quality of aggregate	IS 2386 Part-V	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
v)	Water absorption of Aggregate		One test for each source and whenever there is change in the quality of aggregate	IS:2386 Part-III	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

vi)	Sand equivalent test		One test for each source and whenever there is change in the quality of aggregate		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
vii)	Plasticity Index		One test for each source and whenever there is change in the quality of aggregate		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
viii)	Polished stone value		One test for each source and whenever there is change in the quality of aggregate	IS:2386 Part-IV	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ix)	Percentage of fractured face		One test per 350 cu.m of aggregate when crushed gravel is used		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
x)	Mix grading		One set for individual constituent and mixed aggregate from dryer for each 400 tonnes of mix subject to two tests per day per plant		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xi)	Stability and voids analysis of mix including theoretical maximum specific of loose mix		Three tests for stability, flow value, density and void contents for each 400 tonnes of mix subject to minimum of two tests per day per plant	AASTHO T 245	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xii)	Moisture Susceptibility of mix (AASHTO T283)		One test for each mix whenever there is change in the quality or source of coarse of fine aggregate	ASHTO 283	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

xiii)	Temperature of binder in boiler, aggregate in dryer and mix at the time of laying and compaction		At regular intervals		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xiv)	Binder Content		One set for each 400 tonnes of mix subject to minimum of two tests per day per plant	ASTM D 2172	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xv)	Rate of spread of mix material		After every 5th truck load		0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xvi)	Density of Compacted Layer		One test per 700 sq.m area	AASTHO T 166	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xvii)	Stripping Value of Aggregate		Source Approval/when required	IS 6241	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xviii)	with sodium sulphate		Source Approval/when required	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xix)	with magnesium sulphate		Source Approval/when required	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xx)	SG/Water absorption of Aggregate		Source Approval/when required	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xxi)	Mix Grading (dry)		Each 400 tones of mix	MoRT&H T10	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xxii)	Stability of mix		Each 400 tones of mix	ASTM D 1559	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
M	**Dry Lean Concrete (DLC)**																	
	Gradation of Aggregate (Individual /Combined)		1 Test/Day	IS: 2386, Part 1	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Strength of concrete		3 Samples/1000 sqm	IS:516	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Field Compaction Test (By Sand Replacement Method)		3 density holes/2000sqm	IS: 2720, Part 28	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

N	**Pavement Quality Concrete (PQC)**																	
	Gradation of Aggregate (Individual /Combined)		1 Test/Day	IS: 2386, Part 1	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Deleterious Constutuents		1 Test/Source	IS: 2386, Part 2	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Water Absorption		1 Test/Source	IS: 2386, Part 3	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Moisture Content Test		1 Test/Day	IS: 2386, Part 3	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Los Angeles Abrasion Test		1 Test/Source	IS: 2386, Part 4	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Combined Flakiness & Elongation		1 Test/Week	IS: 2386, Part 1	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Sand Equivalent Test		1 Test/Source	IS: 2720, Part 37	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Soundness of aggregates		1 Test/Source	IS:2386,Part 5	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Compressive Strength of Concrete		2 cubes and 2 beams per 150 cu.m or part of or mínimum 6 cubes an 6 beams (3 for 7days & 3 for 28 days)	IS: 516	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Flexural Strength			IS: 516	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Core Strength		As Required	IS: 516	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
	Workabilty of Concrete		One test for each load at both Batching plant site and paving site	IS: 1199	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
O	**Structural Concrete Work (M^3)**																	
1	**Cement**																**0**	-

i)	Consistency		for Every Batch/Lot	IS 4301 Part-4	**3**	5	5	0	3	3	0	**8**	**8**	0	2	2	**4**	
ii)	Initial setting time & final setting time		for Every Batch/Lot	IS 4301 Part-5	**3**	5	5	0	3	3	0	**8**	**8**	0	2	2	**4**	
iii)	Fineness		for Every Batch/Lot	IS 4301 Part-1	**3**	10	10	0	3	3	0	**13**	**13**	0	2	2	**4**	
iv)	Compressive strength (3 Days)		for Every Batch/Lot	IS 4301 Part-6	**6**	10	10	0	6	6	0	**16**	**16**	0	0	2	**2**	
v)	Compressive strength (7 Days)		for Every Batch/Lot	IS 4301 Part-6	**9**	7	7	0	9	9	0	**16**	**16**	0	0	2	**2**	
vi)	Compressive strength (28 Days)		for Every Batch/Lot	IS 4301 Part-6	**9**	2	2	0	9	9	0	**11**	**11**	0	0	1	**1**	
2	Water		Source Approval/when required	IS 456	**0**	0	0	0	0	0	0	**0**	**0**	0	0	0	**0**	
3	Steel Reinforcement		Source Approval/when required	IS	**0**	4	4	0	0	0	0	**4**	**4**	0	0	4	**4**	
4	Admixture		Source Approval/when required	IS	**0**	1	1	0	0	0	0	**1**	**1**	0	0	1	**1**	
5	**Coarse & fine Aggregates :**																**0**	-
i)	Gradation Test for Coarse Aggregate		1 Test / day	IS 383	**9**	14	14	0	9	9	0	**23**	**23**	0	9	3	**12**	
ii)	Gradation Test for Fine Aggregate		1 Test / day	IS 383	**9**	18	18	0	9	9	0	**27**	**27**	0	9	4	**13**	
iii)	Flakiness Index		1 Test / day	IS 2386 Part-1	**4**	9	9	0	4	4	0	**13**	**13**	0	1	2	**3**	
iv)	Aggregate Impact Value/Los Angles Abrasion Value		1 Test / day	IS 2386 Part-4	**4**	5	5	0	4	4	0	**9**	**9**	0	2	2	**4**	
v)	Soundness Test		Source Approval/when required	IS 2386 Part-5	**0**	1	1	0	0	0	0	**1**	**1**	0	0	0	**0**	
6	Concrete Compressive strength (7 Days) m^3			IS 516	**108**	18	18	0	108	108	0	**126**	**126**	0	24	8	**32**	

7	Concrete Compressive strength (28 Days) m^3			IS 516	**171**	6	6	0	171	171	0	**177**	**177**	0	0	3	**3**	
P	**Calibration**																	
i)	Concrete Batching Plant (CP-30)		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ii)	Concrete Batching Plant (CP-45)		One test for every year	-	**1**	1	1	0	0	0	0	**1**	**1**	**0**	1	0	**1**	
iii)	Sand pouring cylinder 150mm dia.		One test for every month	IS 2720 Part-28	**1**	2	2	0	1	1	0	**3**	**3**	**0**	1	1	**2**	
iv)	Sand pouring cylinder 200mm dia.		One test for every month	IS 2720 Part-28	**0**	2	2	0	0	0	0	**2**	**2**	**0**	0	0	**0**	
v)	Sand pouring cylinder 100mm dia.		One test for every month	IS 2720 Part-28	**1**	2	2	0	1	1	0	**3**	**3**	**0**	1	1	**2**	
vi)	Rapid moisture meter		One test for every month	-	**0**	0	0	0	0	0	0	**0**	**0**	**0**	0	0	**0**	
vii)	Compressive testing machine 2000KN		One test for every year	-	**0**	1	1	0	0	0	0	**1**	**1**	**0**	0	0	**0**	
viii)	Flexural Testing Machine		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
ix)	Proving ring 50KN		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
x)	Proving ring 30KN		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xi)	Proving ring 25KN		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xii)	WMM Plant 160TPH		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xiii)	HM Plant 160TPH		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
xiv)	Bitumen Sprayer		One test for every year	-	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

PKG-II Medinipur to Ballupur from Design Ch-18.700 to 44.800

	Total				**664**	**344**	**344**	**0**	**663**	**663**	**39**	**1007**	**1007**	**39**	**377**	**68**	**445**	
															56.78		**44.19**	

Weather Report

SL. NO.	DATE	TEMPERATURE		REL. HUMIDITY		WEATHER	RAIN FALL (mm)	CUM. RAIN FALL	REMARKS
		MIN.	MAX.	MIN.	MAX.				
1	01-04-2023	16	26.9	34	56	Rainy	23.5	80.4	
2	02-04-2023	16.3	28.4	35	54	Sunny	0	0	
3	03-04-2023	18	32.1	30	53	Sunny	0	0	
4	04-04-2023	15.3	30.5	31	50	Sunny	0	0	
5	05-04-2023	18	31.8	29	45	Sunny	0	0	
6	06-04-2023	16.7	33.3	29	48	Sunny	0	0	
7	07-04-2023	17.2	33.8	29	46	Sunny	0	0	
8	08-04-2023	17.6	34.5	28	46	Sunny	0	0	
9	09-04-2023	17.3	35	28	45	Sunny	0	0	
10	10-04-2023	18.1	34.9	28	44	Sunny	0	0	
11	11-04-2023	18.4	35.7	28	45	Sunny	0	0	
12	12-04-2023	19.4	35.8	28	43	Sunny	0	0	
13	13-04-2023	20.1	36.9	27	44	Sunny	0	0	
14	14-04-2023	20.9	37.6	27	44	Sunny	0	0	
15	15-04-2023	21	38	27	42	Sunny	0	0	
16	16-04-2023	20.8	37.9	28	43	Rainy	9.4	89.8	
17	17-04-2023	21.8	38.7	27	41	Rainy	7.1	96.9	
18	18-04-2023	24.1	38.5	27	38	Sunny	0	0	
19	19-04-2023	22.3	34.9	29	46	Sunny	0	0	
20	20-04-2023	20.5	35.7	29	45	Rainy	0	0	
21	21-04-2023	20	33.2	29	40	Rainy	0	0	
22	22-04-2023	20.4	35.4	28	41	Sunny	0	0	
23	23-04-2023	20	32.7	29	41	Sunny	0	0	
24	24-04-2023	20.5	35	28	43	Rainy	0	0	
25	25-04-2023	19.4	33.7	30	43	Sunny	0	0	
26	26-04-2023	21.2	36.0	27	41	Sunny	0	0	
27	27-04-2023	20	34.2	29	41	Sunny	0	0	
28	28-04-2023	21	36.2	27	40	Sunny	0	0	
29	29-04-2023	20.2	34.2	28	41	Sunny	0	0	
30	30-04-2023	22	32	30	53	Rainy	4.6	101.5	
Totally Rain Fall								101.5	
						This Month		44.6	

10. Correspondence: -

OUTGOING LETTERS					
SR. No	**Letter No**	**Subject**	**To**	**From**	**Date Issue**
1	MKCIL/GNR/UK_PSB_PKG-2/076	Source Approval of fine aggregate (jetpur, raiwala)	Team Leader I.E	MKC PSDKH Pvt. Ltd.	03.04.2023
2	MKCIL/GNR/UK_PSB_PKG-2/077	Submission of Drone Survey Report	Team Leader I.E	MKC PSDKH Pvt. Ltd.	03.04.2023
3	MKCIL/GNR/UK_PSB_PKG-2/078	Reg. Land Acquisition	PIU, NHAI	MKC PSDKH Pvt. Ltd.	03.04.2023
4	MKCIL/GNR/UK_PSB_PKG-2/081	Reg. Land Acquisition/non-payment issue in alignment	PIU, NHAI	MKC PSDKH Pvt. Ltd.	08.04.2023
5	MKCIL/GNR/UK_PSB_PKG-2/082	Submission of MPR of March	Team Leader I.E	MKC PSDKH Pvt. Ltd.	10.04.2023
6	MKCIL/GNR/UK_PSB_PKG-2/083	Source Approval of Shyam Steel.	Team Leader I.E	MKC PSDKH Pvt. Ltd.	10.04.2023
7	MKCIL/GNR/UK_PSB_PKG-2/084	Methodology for Plate Load Test	Team Leader I.E	MKC PSDKH Pvt. Ltd.	10.04.2023
8	MKCIL/GNR/UK_PSB_PKG-2/085	SBC Test of MNB 30+300 reg.	Team Leader I.E	MKC PSDKH Pvt. Ltd.	10.04.2023
9	MKCIL/GNR/UK_PSB_PKG-2/086	Undertaking of Concrete Mix Design M10 & M15 reg.	Team Leader I.E	MKC PSDKH Pvt. Ltd.	12.04.2023
10	MKCIL/GNR/UK_PSB_PKG-2/087	Submission of NDT Test Report of LVUP & MNB 30+300	Team Leader I.E	MKC PSDKH Pvt. Ltd.	15.04.2023
11	MKCIL/GNR/UK_PSB_PKG-2/088	Submission of Third - Party Test Report of Kunal Conchem	Team Leader I.E	MKC PSDKH Pvt. Ltd.	18.04.2023
12	MKCIL/GNR/UK_PSB_PKG-2/090	Request for Permission for Borrow area soil	The Secretry, Mines & Geology Department	MKC PSDKH Pvt. Ltd.	19.04.2023
13	MKCIL/GNR/UK_PSB_PKG-2/091	Request for Permission of Zone-II sand from HP & UP	Team Leader I.E	MKC PSDKH Pvt. Ltd.	22.04.2023
14	MKCIL/GNR/UK_PSB_PKG-2/092	Submission of Design & Drawing of MNB	Team Leader I.E	MKC PSDKH Pvt. Ltd.	25.04.2023
15	MKCIL/GNR/UK_PSB_PKG-2/093	Submission of Design & Drawing of MNB & Box Culvert	Team Leader I.E	MKC PSDKH Pvt. Ltd.	26.04.2023
16	MKCIL/GNR/UK_PSB_PKG-2/095	Submission of Design & Drawing of 15 Nos HPC with Level.	Team Leader I.E	MKC PSDKH Pvt. Ltd.	27.04.2023
17	MKCIL/GNR/UK_PSB_PKG-2/096	Submission of Design & Drawing of Box Culvert 26+612.	Team Leader I.E	MKC PSDKH Pvt. Ltd.	27.04.2023
18	MKCIL/GNR/UK_PSB_PKG-2/097	Delay in execution work due to land acquisition/non-payment & any other issue.	PIU	MKC PSDKH Pvt. Ltd.	28.04.2023
19	MKCIL/GNR/UK_PSB_PKG-2/098	Submission of Design & Drawing of 4 Nos MNB.	Team Leader I.E	MKC PSDKH Pvt. Ltd.	29.04.2023

20	MKCIL/GNR/UK_PSB_PKG-2/099	Submission of Plate Load Test Report of SBC for MNB 30+300	Team Leader I.E	MKC PSDKH Pvt. Ltd.	29.04.2023

Inward Letters

INWARD LETTERS					
SR.No	**Letter No**	**Subject**	**To**	**From**	**Date Issue**
1	URS/NHAI/DDN/PSB(PKG-I&II)/2023/031	Submission of TBM List at Ch 18+400 to 44+721	MKC PSDKH Pvt. Ltd.	Team Leader I.E	03.04.2023
2	URS/NHAI/DDN/PSB(PKG-I&II)/2023/032	Reg. Approval of Third-Party Testing Laboratory (Econ)	MKC PSDKH Pvt. Ltd.	Team Leader I.E	03.04.2023
3	URS/NHAI/DDN/PSB(PKG-I&II)/2023/032A (1)	Reg. Approval of Coarse Aggregate (10 MM & 20MM) from Devbhumi Crusher	MKC PSDKH Pvt. Ltd.	Team Leader I.E	03.04.2023
4	URS/NHAI/DDN/PSB(PKG-I&II)/2023/032A (2)	Reg. Approval of Fine Aggregate from Rao Stone Products Jeatpur, Raipur	MKC PSDKH Pvt. Ltd.	Team Leader I.E	03.04.2023
5	URS/NHAI/DDN/PSB(PKG-I&II)/2023/033	Reg. Approval of Quality Assurance plan as clause 12.1 as per CA	MKC PSDKH Pvt. Ltd.	Team Leader I.E	03.04.2023
6	URS/NHAI/DDN/PSB(PKG-I&II)/2023/036	Reg. Submission of Drone Video Recording of Project Highway for the Month of February	MKC PSDKH Pvt. Ltd.	Team Leader I.E	06.04.2023
7	URS/NHAI/DDN/PSB(PKG-I&II)/2023/038	Reg. Submission of Drone Video Recording of Project Highway for the Month of March	MKC PSDKH Pvt. Ltd.	Team Leader I.E	08.04.2023
8	URS/NHAI/DDN/PSB(PKG-I&II)/2023/039	Reg. Delay in Submission of MPR	MKC PSDKH Pvt. Ltd.	Team Leader I.E	08.04.2023
9	URS/NHAI/DDN/PSB(PKG-I&II)/2023/040	Reg. Incorporation of recommendations of the safety consultant in the Drawings and Design of the Project	MKC PSDKH Pvt. Ltd.	Team Leader I.E	08.04.2023
10	URS/NHAI/DDN/PSB(PKG-I&II)/2023/043	Mobilization of Sub Professional Staff.	MKC PSDKH Pvt. Ltd.	Team Leader I.E	11.04.2023
11	URS/NHAI/DDN/PSB(PKG-I&II)/2023/044	Mobilization of Sub Professional Staff.	MKC PSDKH Pvt. Ltd.	Team Leader I.E	
12	URS/NHAI/DDN/PSB(PKG-I&II)/2023/045	Letter No 68 to 74 Submission of Design and Drawing	MKC PSDKH Pvt. Ltd.	Team Leader I.E	17.04.2023
13	URS/NHAI/DDN/PSB(PKG-I&II)/2023/046	Reg. Curing of Structure.	MKC PSDKH Pvt. Ltd.	Team Leader I.E	17.04.2023
14	URS/NHAI/DDN/PSB(PKG-I&II)/2023/049	Test to be done prior to Execution.	MKC PSDKH Pvt. Ltd.	Team Leader I.E	19.04.2023
15	URS/NHAI/DDN/PSB(PKG-I&II)/2023/050	Submission of Contract Price Weightage as per Annexure-I of Schedule- G	MKC PSDKH Pvt. Ltd.	Team Leader I.E	18.04.2023
16	URS/NHAI/DDN/PSB(PKG-I&II)/2023/052	Reg. Request of Permission of Zone-II Sand from HP & UP	MKC PSDKH Pvt. Ltd.	Team Leader I.E	24.04.2023

11. Site Visit & Meeting

S.N.	Date	Visit & Meeting
1	20.04.2023	I.E Representative & Concessionaire Representative Team Jointly sampling of sand in Paonta Saheb.
2	21.04.2023	Meeting with RO Sir.
3	29.04.2023	RO Sir, NHAI Team & A.E Team Site Visit.

Meeting with RO Sir & I.E Team

RO sir & PD sir with IE Team Laboratory Visit.

Jointly Sampling of sand in Paonta Saheb

Reinforcement Checking of MNB 27+741 by I.E Team.

Gradation of Coarse Aggregate

MNB 27+042 Raft Casting

OGL Bed Preparation at Ch 27+430 to 27+620.

Level Checking for EMB Filling at Ch 29+800 to 30+100.

Thank You