MONTHLY PROGRESS REPORT OF March-2024

Name of work	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.

Name of Client	National Highways Authority of India
Name of Independent Engineer	M/s URS Scott Wilson India Pvt. Ltd. In JV with the Lion Engineering Consultant Pvt Ltd.
Name of Concessioniare	M/s MKC Kedarnathji Poanta Saheb Highways Pvt. Ltd.

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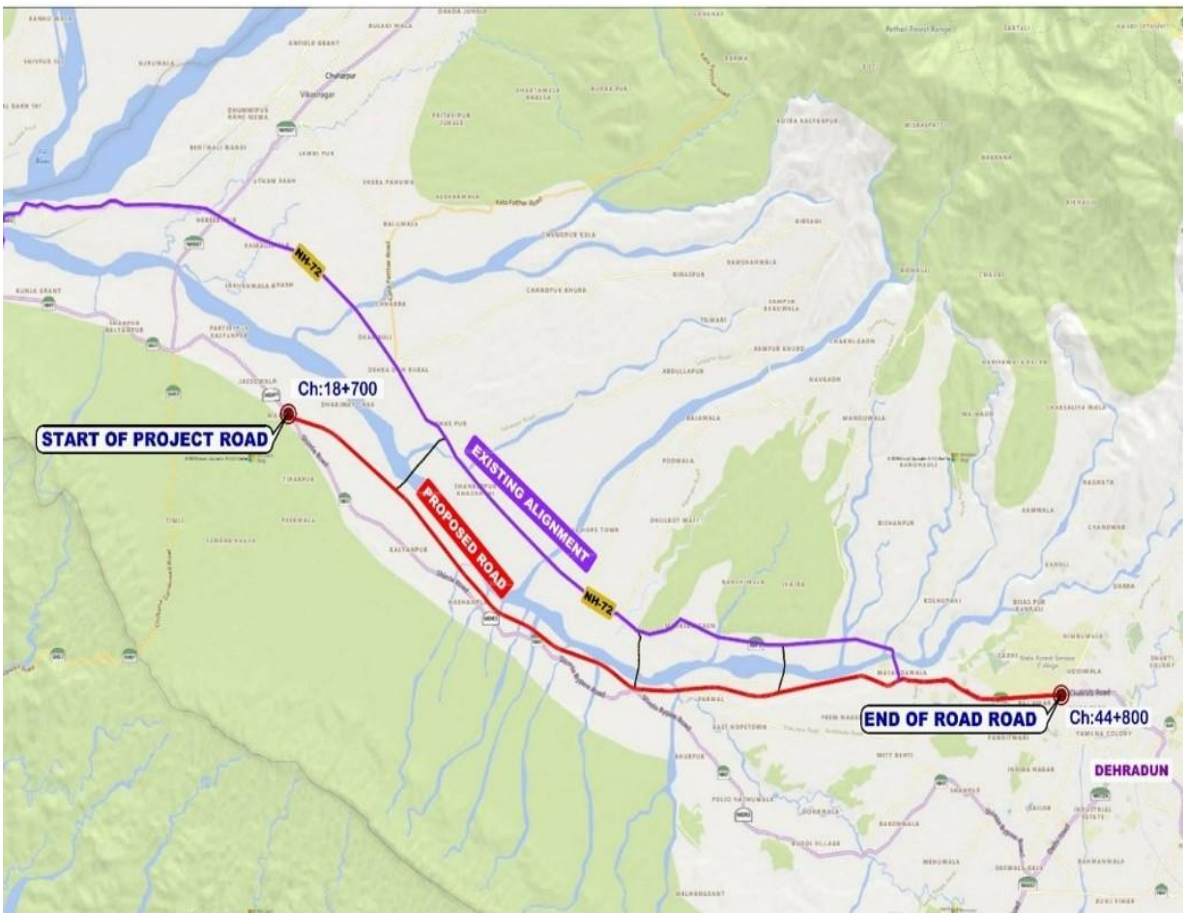
Maps Showing project Location

1.1 Location of Work state in india

1.2 Location of project in state



Executive Summary

2.1 Introduction

The site of the Four-lane Project Highway comprises the Medinipur-Ballupur Section of NH-72.
It starts at km 30.690 of Shimla bypass road (Design Ch 18.700 km) and ends at (km 148.025 of
NH-72 (Design Ch 44.800 km) in Dehradun district of Uttarakhand state. The section of existing
NH-72 between km 113.400 (Dharmawala Chowk) to km 143.275 (Prem Nagar) is proposed to
be bypassed by greenfield alignment

2.2 Scope of the project

1	Total Length of the Project	26.1 Km
2	Major Junctions	02 Nos
3	Minor Junctions	58 Nos
4	Box Culverts	15 Nos
5	Pipe Culverts	58 Nos
6	Minor Bridges	19 Nos
7	VUP / LVUP	06 Nos
8	Major Bridge	1 Nos
9	VOP	01 Nos
10	FOB	03 Nos
11	Bus bay	08 Nos
12	Service Road (both side)	20.484 Km
13	Drain (both side)	30.02 Km

2.3 Salient features of the contract

Name of Client	National Highway Authority of India		
Name of Contractor	MKC Infrastructure Limited		
Name of Concessionaire	MKC Poanta – Saheb Dehradun Kedarnathji Highways Private Limited		
Name of Independent engineer	M/S URS Scott Wilson India Pvt. Ltd in JV with Lion Engineering Consultants Pvt. Ltd.		
Name of Safety consultant	Chaitanya Projects Consultancy Pvt. Ltd.		
Contract Limits	From Medinipur CH 18.7 to Ballupur CH 44.8		
Contract Length	26.21 Km		
Milestones	Mile stone-I	18th July-2023	20%
	Mile stone-II	14th January-2024	35%
	Mile stone-III	12th July-2024	75%
	Mile stone-IV	17th february-2025	100%
Letter of Acceptance Date	30th May-2022		
Date of Signing of contract agreement	14th July-2022		
Commencement Date	18th February-2023		
Project Duration	730 days		
Schedule Completion Date	17th February-2025		
Original Contract Price	₹ 5,16,56,00,000.00		

Progress of the work

3.1	Physical progress						
Project :	Up-gradation & Four Laning of Poanta Saheb-Ballupur Section of NH-72 in the State of Uttarakhand under NH (O) on Hybrid Annuity Mode. Package-II: Medinipur to Ballupur (Dehradun) from Design Ch. 18.700 to Ch. 44.800.						
Client :	National Highway Authority of India						
Independent Engineer :	URS Scott Wilson India Private Limited in Joint Venture with Lion Engineering Consultants Pvt. Ltd.						
HAM Concessionaire :	M/s MKC- Poanta-Saheb Dehradun Kedarnathji Ji Highway Private Limited						
Total Contract Price	**5,16,56,00,000**						
Item	**Stage for measurement of Physical Progress**	**Unit**	**Qty.**	**Amount**	**Weightage in % age**	**Physical Progress as per Annexure-I of Schedule-G**	**Weighatge of Completed work in %**
Road works including culverts, minor bridges,underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding Slip/ Service roads)	A-Widening & Strengthening of						
	(1) Earthwork upto top of Sub-grade	Km	4.50	16361543.33	0.32%	4.5	0.32%
	(2) Granular work (Sub-base,						
	(a) CTSB/GSB	Km	4.50	21553385.78	0.42%	4.5	0.42%
	(b) WMM	Km	4.50	41505832.80	0.80%	4.5	0.80%
	(3) Shoulders	Km	9.00	2971864.40	0.06%	9	0.06%
	(4) Bituminous Work						
	(a) DBM	Km	4.50	23207725.35	0.45%	4.5	0.45%
	(b) BC	Km	4.50	24305590.88	0.47%	1.2	0.13%
	B-New 4 Lane Realignment/Bypass						
	(1) Earthwork upto top of Sub-grade	Km	41.56	805887112.76	15.60%	30.19	11.33%
	(2) Granular work (Sub-base,						
	(a) CTSB / GSB	Km	41.56	219083230.31	4.24%	14.92	1.52%
	(b) WMM	Km	41.56	370137914.57	7.17%	4.69	0.81%
	(3) Shoulders	Km	41.56	33188279.25	0.64%		
	(4) Bituminous Work						
	(a) DBM	Km	41.56	208434264.66	4.04%		
	(b) BC	Km	41.56	226138688.23	4.38%		
	C- New Culverts, Minor Bridges,						
	1) Culverts	No.	73.00	154175319.31	2.98%	47	1.92%
	2) Minor Bridge				0.00%		
	a) Foundation	No.	19.00	267262947.46	5.17%	18	4.90%
	b) Sub-Structure	No.	19.00	233855079.03	4.53%	17	4.05%
	c) Super-Structure (including Crash	No.	19.00	167039342.17	3.23%	15	2.55%
	3) Grade seprated structures						
	i) Foundation	No.	6.00	115773880.88	2.24%	5	1.87%
	ii) Sub-Structure	No.	6.00	101302145.77	1.96%	2	0.65%
	iii) Super-Structure (including Crash	No.	6.00	72358675.55	1.40%	2	0.47%
	b) Overpasses				0.00%		
	i) Foundation	No.	1.00	18846910.84	0.36%		
	ii) Sub-Structure	No.	1.00	16491046.99	0.32%		
	iii) Super-Structure (including Crash	No.	1.00	11779319.28	0.23%		
	d) Foot Over Bridge	No.	3.00	27129384.98	0.53%		
Major Bridge works and ROB / RUB	C) New Major Bridges				0.00%		
	1) Foundation				0.00%		
	a) Open Foundation	No.	1.00	108539227.81	2.10%	1	2.10%
	2) Sub-Structure	No.	1.00	94971824.34	1.84%	1	1.84%
	3) Super-Structure (including Crash	No.	1.00	67837017.38	1.31%		

Item	Stage for measurement of Physical Progress	Unit	Qty.	Amount	Weightage in % age	Physical Progress as per Annexure-I of Schedule-G	Weighatge of Completed work in %
Structure (Elevated Section,	4) Reinforced Earth Wall (includes	Sq.m	27201.50	328923283.49	6.37%	13425.93	3.14%
Electrical and Public Health Utilities	EHT Line	Km	0.34	4486146.46	0.09%		
	EHT Crossing	No.	2.00	15926636.19	0.31%		
	HT/LT Lines (including	Km	3.28	7931062.20	0.15%	0.17	0.01%
	HT/LT Crossings	No.	43.00	46476333.59	0.90%	43	0.90%
	Water Pipeline	Km	3.47	2704171.86	0.05%		
	Water Pipeline Crossings	No.	28.00	19547849.31	0.38%		
Other Works	i) - Service Road/ Slip Road	Km	20.48	562762835.69	10.89%		
	iii) Road Side Drain	Km	30.02	205461080.75	3.98%	7.209	0.96%
	iv) - Road signs,markings, Km						
	(a) Road signs,markings, Km	Km	26.10	41277719.41	0.80%		
	(d) Concrete Crash Barrier/W Beam	Km	8.61	46479789.69	0.90%		
	v) - Project Facilities						
	(a) Bus Bays	No.	8.00	5302600.92	0.10%		
	(b) Truck Lay Byes	No.	0.00				
	(c) Rest Area / Wayside Amenities	No.	1.00	2947720.34	0.06%		
	vii) - Road Side Plantation and	Km	26.10	10721108.26	0.21%		
	viii) - Protection Work						
	(a) Boulder Pitching on Slopes	Km	5.22	6308189.92	0.12%		
	(b) Toe Wall / Retaining Wall	Km	17.69	241438506.52	4.67%	2.5	0.66%
	(a) Major Junctions	No.	2.00	43305395.72	0.84%		
	(b) Minor Junctions	No.	58.00	10989583.92	0.21%		
	(c) Street Lightning	Km	26.10	25589783.02	0.50%		
	(e)ATMS, HTMS, Traffic Aid Posts,	Km	26.10	36542155.89	0.71%		
	(f) Paver block flooring	Sqm	27867.00	50340492.75	0.97%		
Total					**100.00%**		**41.85%**

SR NO	MONTH	WORKDONE AMOUNT IN (Cr.)	PHYSICAL PROGRESS (%)	CUMULATIVE PHYSICAL PROGRESS
			Project Cost	516.56
1	FEBRUARY	0	0.00%	0.00%
2	MARCH	2.61	0.51%	0.51%
3	APRIL	4.54	0.88%	1.38%
4	MAY	11.66	2.26%	3.64%
5	JUNE	11.4	2.21%	5.85%
6	JULY	1.81	0.35%	6.20%
7	AUGUST	2.59	0.50%	6.70%
8	SEPTEMBER	8.83	1.71%	8.41%
9	OCTOBER	18.80	3.64%	12.05%
10	November	45.36	8.78%	20.83%
11	December	17.15	3.32%	24.15%
12	January	30.27	5.86%	30.01%
13	February	29.86	5.78%	35.79%
14	March	31.30	6.06%	41.85%
TOTAL		216.181	41.85%	

* Amount is calculated as per Schedule-G

3.2 Work done status of highway & Structure

Highway								
Sr no.	**Work description**	**Side**	**Unit**	**Scope**	**Completed**	**In progress**	**Balance**	**% of Balance**
1	C & G	LHS	KMS	26.1	24.7	0	1.4	5.36%
2		RHS	KMS	26.1	24.7	0	1.4	5.36%
3	Earthwork	LHS	KMS	26.1	22.8	1.5	1.8	6.90%
4		RHS	KMS	26.1	22.8	1.5	1.8	6.90%
5	Sub Grade	LHS	KMS	26.1	19.595	2.5	4.005	15.34%
6		RHS	KMS	26.1	19.595	2.5	4.005	15.34%
7	GSB	LHS	KMS	26.1	11.96	1.8	12.34	47.28%
8		RHS	KMS	26.1	11.96	1.8	12.34	47.28%
9	WMM	LHS	KMS	26.1	6.845	1	18.255	69.94%
10		RHS	KMS	26.1	6.845	1	18.255	69.94%
11	DBM	LHS	KMS	26.1	4.5		21.6	82.76%
12		RHS	KMS	26.1	4.5		21.6	82.76%
13	BC	LHS	KMS	26.1	1.2		24.9	95.40%
14		RHS	KMS	26.1	1.2		24.9	95.40%
Structure								
Sr no.	**Work description**	**Side**	**Unit**	**Scope**	**Completed**	**In progress**	**Yet to start**	**% of Progress**
1	Pipe culverts		Nos	58	44	11	3	94.83%
2	Box culverts		Nos	15	4	7	4	73.33%
3	Minor Bridges		Nos	19	15	4	0	100.00%
4	VUP		Nos	3	0	2	1	66.67%
5	LVUP		Nos	3	2	1	0	100.00%
6	Major bridge		Nos	1	0	1	0	100.00%
7	VOP		Nos	1	0	0	1	0.00%
8	FOB		Nos	3	0	0	3	0.00%

3.3 Strip chart of structure

Strip chart showing the status of BOX Culverts												
Sr no.	Chainage		SPAN	Activity Status(BHS)								
	Schedule	Design		Excavation	PCC	Raft	Bottom Haunch	Wall 1st Lift	Wall 2nd Lift	Wall 3rd Lift	Top Haunch	Slab
1	19+080		1X6.0 M	DONE	DONE	DONE	DONE	DONE	WIP			
2	21+108		1X6.0 M	DONE	WIP	WIP	WIP	WIP	WIP	WIP	WIP	WIP
3	21+283		1X6.0 M	DONE	WIP	WIP	WIP	WIP	WIP	WIP	WIP	WIP
4	21+408	31+370	1X6.0 M	DONE	DONE	DONE	WIP					
5	22+554		1X6.0 M	DONE	WIP	WIP	WIP	WIP	WIP	WIP	WIP	WIP
6	25+973	25+992	1X6.0 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
7	26+612	26+612	1X6.0 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
8	26+794	26+804	1X6.0 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
9	31+005	27+770	1X6.0 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
10	35+575	27+068	1X4.0 M	DONE	DONE							
11	39+070		1X6.0 M									
12	40+052		1X2.0 M									
13	41+923		1X2.0 M									
14	43+998		1X2.0 M									
15	44+191		1X2.0 M									
TOTAL SCOPE				15	15	15	15	15	15	15	15	15
WORK COMPLETED				10	7	6	5	5	4	4	4	4
BALANCE				5	8	9	10	10	11	11	11	11

Strip chart showing the status of Hume pipe culverts

Sr. no.	Chainage		Dia. (m)	Drawing Status		Activity Status(Both Side)								
	Schedule	Design				Excavation	GSB	PCC	Pipe Laying	Head wall PCC	Head wall 1st lift	Head wall 2nd lift	Head wall 3rd lift	Encasing
1	19+250	19+250	1.2			DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
2	20+205	20+205	1.2			DONE								
3	20+360	20+360	1.2			DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
4	20+438	20+438	1.2											
5	20+468	20+468	1.2											
6	21+945	21+945	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
7	22+083	22+080	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
8	22+160	22+160	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
9	22+214	22+214	1.2			DONE	DONE	DONE	WIP	DONE				
10	22+339	22+339	1.2			DONE		DONE	WIP	DONE	DONE			
11	22+769	22+769	1.2			DONE				DONE				
12	22+807	22+802	1.2			DONE				DONE				
13	23+201	23+197	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
14	23+414	23+440	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
15	23+566	23+565	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
16	23+932	23+932	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
17	24+147	24+145	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
18	24+511	24+507	1.2			DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
19	24+820	24+817	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
20	24+878	24+878	1.2			DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
21	25+150	25+150	1.2			WIP		NA						
22	26+366	26+366	1.2			DONE	DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE
23	27+243	27+237	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
24	27+358	27+358	1.2			DONE	DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE
25	27+452	27+446	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
26	27+959	27+959	1.2			DONE	DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE
27	28+295	28+300	1.2			DONE	NA	DONE	WIP					
28	28+384	28+381	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
29	28+581	28+579	1.2			DONE		DONE	DONE	DONE				
30	28+619	28+618	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
31	29+476	29+476	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
32	30+097	30+093	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
33	30+460	30+460	1.2											
34	30+661	30+661	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
35	30+838	30+838	1.2			DONE	DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE
36	30+928	30+928	1.2			DONE	DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE
37	31+781	31+781	1.2											
38	31+962	31+962	1.2			DONE		DONE	WIP	DONE	DONE	WIP	WIP	
39	32+059	32+059	1.2			DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE

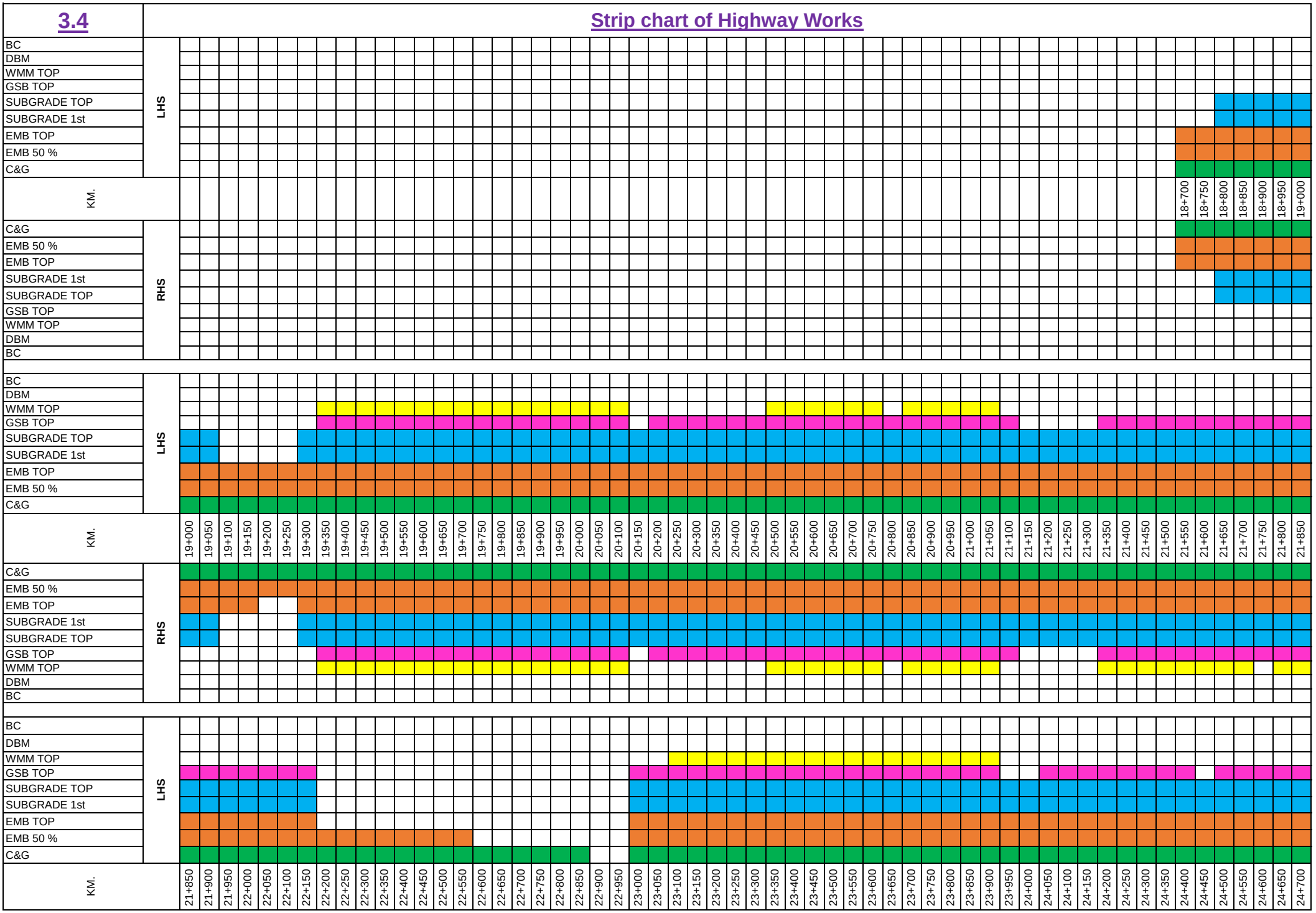
Sr. no.	Chainage		Dia. (m)	Drawing Status		Activity Status(Both Side)								
	Schedule	Design				Excavation	GSB	PCC	Pipe Laying	Head wall PCC	Head wall 1st lift	Head wall 2nd lift	Head wall 3rd lift	Encasing
40	32+115	32+115	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
41	32+178	32+178	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
42	32+228	32+228	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
43	32+291	32+291	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
44	32+434	32+434	1.2			DONE	DONE	DONE	DONE	DONE	DONE	WIP	WIP	
45	33+439	33+439	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
46	33+600	33+600	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
47	34+062	34+062	1.2			DONE	NA	DONE	WIP	WIP	WIP	WIP	WIP	
48	34+352	34+352	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
49	35+153	35+153	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
50	35+575	35+575				DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
51	36+577	36+577	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
52	37+014	36+990	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
53	37+460	37+460	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
54	37+540	37+585	1.2			DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE	DONE
55	37+840	37+840	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
56	38+175	38+175	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
57	38+750	38+750	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
58	38+850	38+850	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
59	39+219	39+219	1.2			DONE		DONE	DONE	DONE	DONE	DONE	DONE	DONE
60	31+005	31+005	1.2			DONE		DONE		DONE	DONE	WIP	WIP	
TOTAL SCOPE						58	20	38	58	58	58	58	58	58
WORK COMPLETED						55	12	47	46	52	48	44	44	44
BALANCE						3	8	0	12	6	10	14	14	14

Strip chart showing the status of Minor /Major Bridges

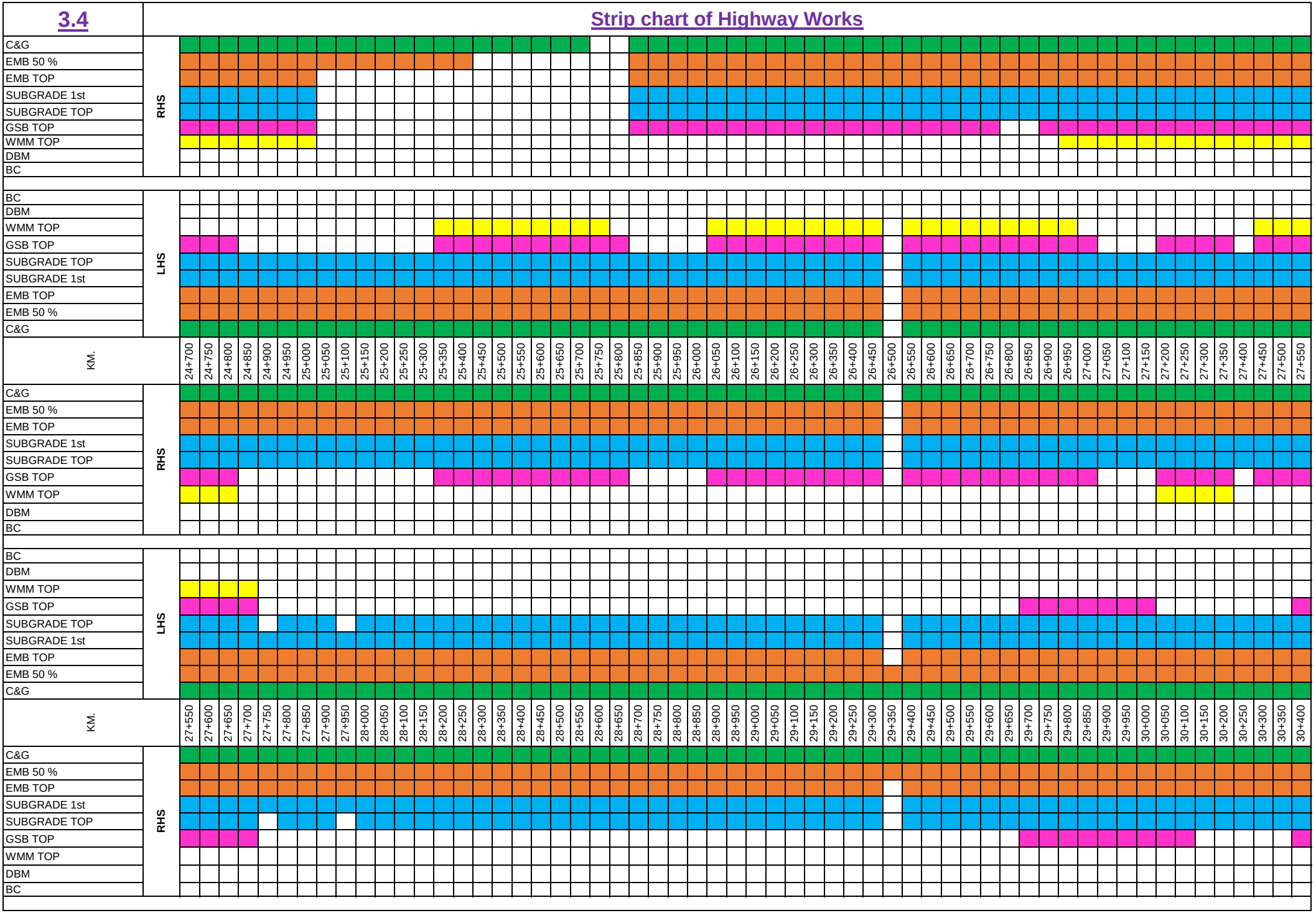
Sr no.	Chainage		SPAN	Activity Status(BHS)								
	Schedule	Design		Excavation	PCC	Raft	Bottom Haunch	Wall 1st Lift	Wall 2nd Lift	Wall 3rd Lift	Top Haunch	Slab
1	19+297	19+298	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
2	20+163	20+163	2X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
3	20+820	20+816	2X10 M	DONE	DONE	DONE	DONE	DONE	DONE			
4	21+610	21+610	2X10 M	WIP								
5	21+762	21+762	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
6	22+972	22+973	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
7	24+090	23+974	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
8	24+377	24+355	2X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
9	25+320	25+316	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
10	25+815	25+811	1X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
11	26+487	26+480	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
12	27+042	27+040	2X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
13	27+741	27+736	3X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
14	28+122	28+122	2X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	WIP	WIP
15	28+222	28+222	5X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
16	29+174	29+171	2X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
17	29+659	29+652	2X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
18	30+300	30+305	5X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	WIP	WIP
19	31+745	31+740	3X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
20	33+033	33+033	3X35 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE		
TOTAL SCOPE				20	20	20	20	20	20	20	20	20
WORK COMPLETED				19	19	19	19	19	19	18	15	15
BALANCE				1	1	1	1	1	1	2	5	5

Strip chart showing the status of Grade separated structures													
Sr no.	Chainage		Length	Activity Status(BHS)								
	Schedule	Design		Excavation	PCC	Raft	Bottom Haunch	Wall 1st Lift	Wall 2nd Lift	Wall 3rd Lift	Top Haunch	Slab
1	22+598	22+596	70	DONE	DONE	DONE	DONE	DONE	DONE	DONE		
2	28+285	28+285	12	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
3	30+259	30+259	12	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
4	31+691	31+678	70	DONE	DONE	DONE	DONE	DONE	DONE	DONE		
5	39+493	39+500	12	DONE	DONE	DONE	DONE	WIP	WIP			
6	39+740	39+720	16									
7	40+063	40+042	72.5									
TOTAL SCOPE				7	7	7	7	7	7	7	7	7
WORK COMPLETED				5	5	5	5	4	4	4	2	2
BALANCE				2	2	2	2	3	3	3	5	5

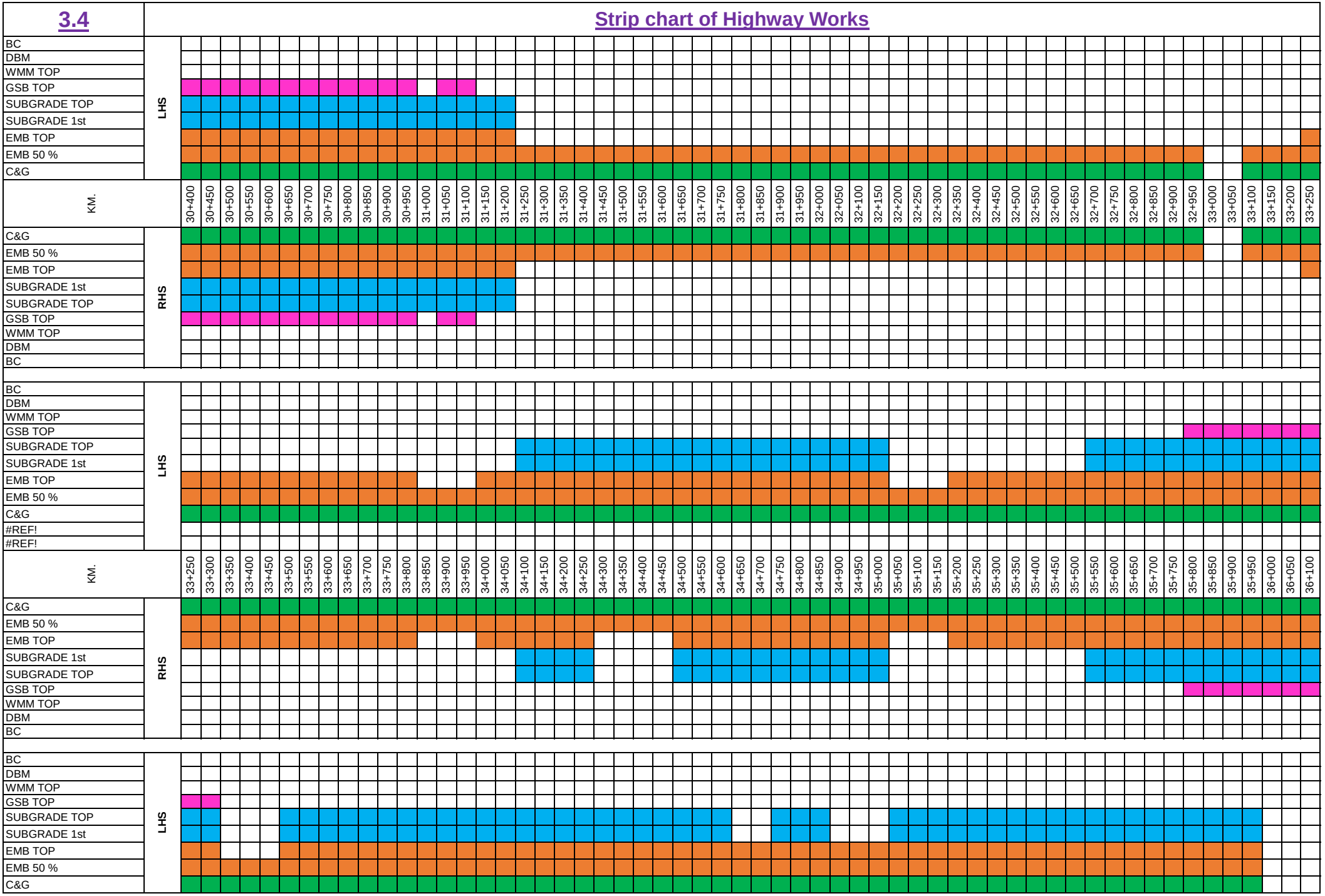
3.4 Strip chart of Highway Works



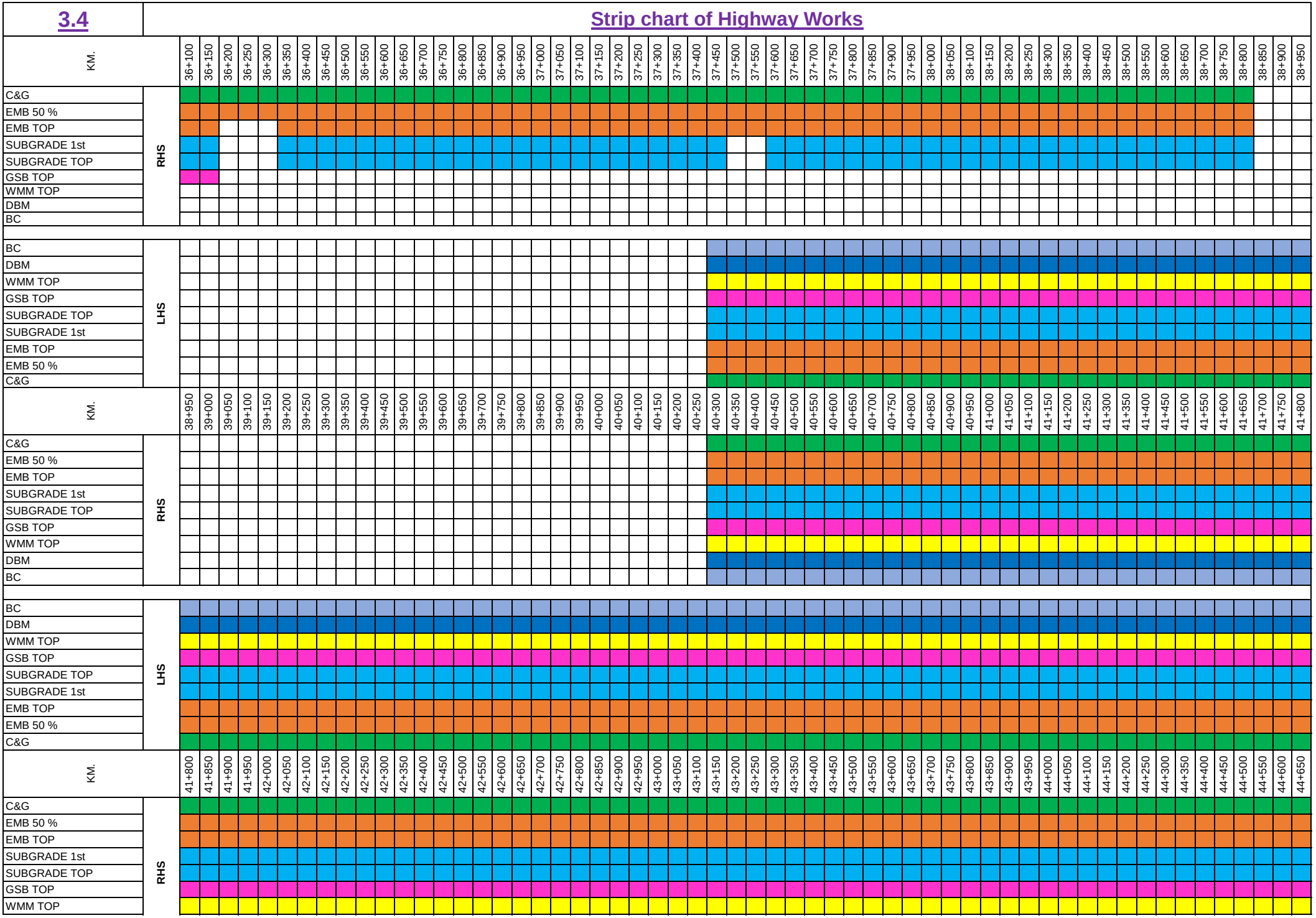
3.4 Strip chart of Highway Works



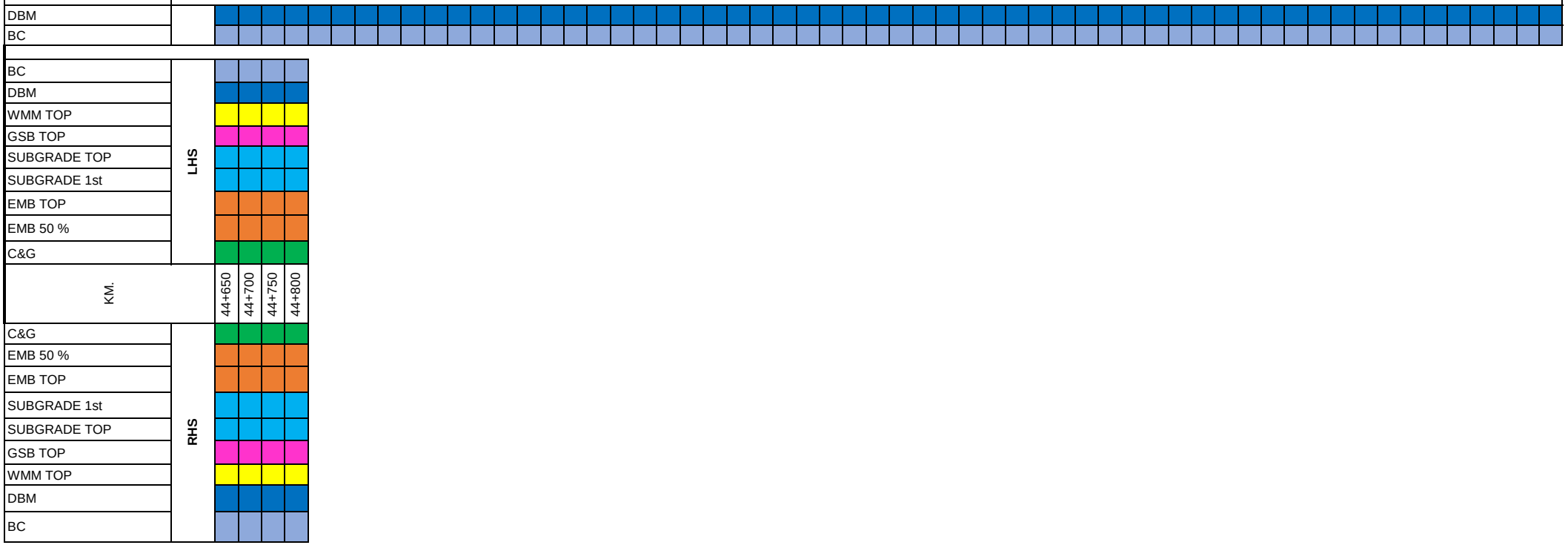
3.4 Strip chart of Highway Works



3.4 Strip chart of Highway Works



3.4 Strip chart of Highway Works



3.5 Utility shifting

Stament showing the work done of the utilty shifting

S.No	Chainage	Line Name	Status	Division	Remarks
1	19+320	11 KV	Complete	Herbatpur	
2	22+586	LT Line	Complete	Herbatpur	
3	22+720	11 KV	Complete	Herbatpur	
4	23+350	11 KV	Complete	Herbatpur	
5	25+250	11 KV	Complete	Herbatpur	
6	26+150	LT Line	Complete	Herbatpur	
7	26+900	LT Line	Complete	Ganeshpur	
8	27+700	11 KV	Complete	Ganeshpur	
9	27+720	LT Line	Complete	Ganeshpur	
10	28+060	11 KV	Complete	Ganeshpur	
11	28+325	LT Line	Complete	Ganeshpur	
12	28+450	LT Line	Complete	Ganeshpur	
13	28+850	LT Line	Complete	Ganeshpur	
14	28+565	11 KV	Complete	Ganeshpur	
15	28+750	LT Line	Complete	Ganeshpur	
16	28+900	LT Line	Complete	Ganeshpur	
17	29+100	LT Line	Complete	Ganeshpur	
18	29+100	11 KV	Complete	Ganeshpur	
19	29+174	11 KV	Complete	Ganeshpur	
20	29+800	LT Line	Complete	Ganeshpur	
21	31+150	LT Line	Complete	Ganeshpur	
22	31+350	LT Line	Complete	Ganeshpur	
23	31+360	LT Line	Complete	Ganeshpur	
24	31+370	11 KV	Complete	Ganeshpur	
25	31+500	LT Line	Complete	Ganeshpur	
26	31+800	LT Line	Complete	Ganeshpur	
27	32+500	LT Line	Complete	Ganeshpur	
28	33+650	11 KV	Complete	Ganeshpur	
29	34+000	LT Line	Complete	Ganeshpur	
30	34+200	11 KV	Complete	Ganeshpur	
31	34+450	11 KV	Complete	Ganeshpur	
32	35+800	LT Line	Complete	Ganeshpur	
33	35+850	LT Line	Complete	Ganeshpur	
34	36+400	LT Line	Complete	Mohanpur	
35	36+500	LT Line	Complete	Mohanpur	
36	36+660	LT Line	Complete	Mohanpur	
37	35+820	11 KV	Complete	Ganeshpur	
38	36+200	LT Line	Complete	Mohanpur	
39	37+035	LT Line	Complete	Mohanpur	
40	37+200	LT Line	Complete	Mohanpur	
41	37+550	LT Line	Complete	Mohanpur	
42	38+250	11 KV	Complete	Mohanpur	
43	38+925	LT Line	Complete	Mohanpur	

Status of approval

4.1 Status of drawing approval

Sr no	Schedule Chainage	Design Chainage	Size	GAD	RD	Submitted	Approved	Pending for submission	Pending for approval
BOX Culverts									
1		19+180	1X6.0 M			1	1	0	0
2		21+108	1X6.0 M			1	1	0	0
3		21+283	1X6.0 M			1	1	0	0
4		21+408	1X6.0 M			1	1	0	0
5		21+610	1X6.0 M			1	1	0	0
6	25+992	25+973	1X6.0 M	R1	R0	1	1	0	0
7	26+612	26+612	1X6.0 M	R1	R1	1	1	0	0
8	26+794	26+794	1X6.0 M	R1	R1	1	1	0	0
9	31+005	31+005	1X6.0 M	R3	R1	1	1	0	0
10	35+575	35+575	1X4.0 M	R0	R0	1	1	0	0
11		39+070	1X6.0 M			0	0	1	0
12		40+052	1X2.0 M			0	0	1	0
13		41+923	1X2.0 M			1	1	0	0
14		43+998	1X2.0 M			1	1	0	0
15		44+191	1X2.0 M			1	1	0	0
Total of BOX culvert						**13**	**13**	**2**	**0**
Hume pipe culverts									
1	19+250	19+250	1.2			1	1	0	0
2	20+205	20+205	1.2			1	1	0	0
3	20+360	20+360	1.2			1	1	0	0
4	20+438	20+438	1.2			1	1	0	0
5	20+468	20+468	1.2			1	1	0	0
6	21+945	21+945	1.2			1	1	0	0
7	22+083	22+080	1.2			1	1	0	0
8	22+160	22+160	1.2			1	1	0	0
9	22+214	22+214	1.2			1	1	0	0
10	22+339	22+339	1.2			1	1	0	0
11	22+769	22+769	1.2			1	1	0	0
12	22+807	22+802	1.2			1	1	0	0
13	23+201	23+197	1.2			1	1	0	0
14	23+414	23+440	1.2			1	1	0	0
15	23+566	23+565	1.2			1	1	0	0
16	23+932	23+932	1.2			1	1	0	0
17	24+147	24+145	1.2			1	1	0	0
18	24+511	24+507	1.2			1	1	0	0

Sr no	Schedule Chainage	Design Chainage	Size	GAD	RD	Submitted	Approved	Pending for submission	Pending for approval
19	24+820	24+817	1.2			1	1	0	0
20	24+878	24+878	1.2			1	1	0	0
21	25+150	25+150	1.2			1	1	0	0
22	26+366	26+366	1.2			1	1	0	0
23	27+243	27+237	1.2			1	1	0	0
24	27+358	27+358	1.2			1	1	0	0
25	27+452	27+446	1.2			1	1	0	0
26	27+959	27+959	1.2			1	1	0	0
27	28+295	28+300	1.2			1	1	0	0
28	28+384	28+381	1.2			1	1	0	0
29	28+581	28+579	1.2			1	1	0	0
30	28+619	28+618	1.2			1	1	0	0
31	29+476	29+476	1.2			1	1	0	0
32	30+097	30+093	1.2			1	1	0	0
33	30+460	30+460	1.2			1	1	0	0
34	30+661	30+661	1.2			1	1	0	0
35	30+838	30+838	1.2			1	1	0	0
36	30+928	30+928	1.2			1	1	0	0
37	31+781	31+781	1.2			1	1	0	0
38	31+962	31+962	1.2			1	1	0	0
39	32+059	32+059	1.2			1	1	0	0
40	32+115	32+115	1.2			1	1	0	0
41	32+178	32+178	1.2			1	1	0	0
42	32+228	32+228	1.2			1	1	0	0
43	32+291	32+291	1.2			1	1	0	0
44	32+434	32+434	1.2			1	1	0	0
45	33+439	33+439	1.2			1	1	0	0
46	33+600	33+600	1.2			1	1	0	0
47	34+062	34+062	1.2			1	1	0	0
48	34+352	34+352	1.2			1	1	0	0
49	35+153	35+153	1.2			1	1	0	0
50	36+577	36+577	1.2			1	1	0	0
51	37+014	37+014	1.2			1	1	0	0
52	37+460	37+460	1.2			1	1	0	0
53	37+540	37+540	1.2			1	1	0	0
54	37+840	37+840	1.2			1	1	0	0
55	38+175	38+175	1.2			1	1	0	0

Sr no	Schedule Chainage	Design Chainage	Size	GAD	RD	Submitted	Approved	Pending for submission	Pending for approval
56	38+750	38+750	1.2			1	1	0	0
57	38+850	38+850	1.2			1	1	0	0
58	39+219	39+219	1.2			1	1	0	0
Total of hume pipe culvert						**58**	**58**	**0**	**0**
Minor /Major Bridges									
1	19+297	19+298	3X8 M	R2	R3	1	1	0	0
2	20+163	20+163	2X10 M	R3	R3	1	1	0	0
3	20+820	20+816	2X10 M	R0	R1	1	1	0	0
4	21+762	21+762	3X8 M	R3	R3	1	1	0	0
5	22+554	22+554	1X10 M			1	1	0	0
6	22+972	22+973	3X8 M			1	1	0	0
7	24+090	23+974	3X8 M	R3	R3	1	1	0	0
8	24+377	24+355	2X10 M	R1	R1	1	1	0	0
9	25+320	25+316	3X8 M	R4	R3	1	1	0	0
10	25+815	25+811	1X10 M	R2	R2	1	1	0	0
11	26+487	26+480	3X8 M	R3	R3	1	1	0	0
12	27+042	27+040	2X8 M	R2	R2	1	1	0	0
13	27+741	27+736	3X10 M	R3	R3	1	1	0	0
14	28+122	28+122	2X10 M			1	1	0	0
15	28+222	28+222	5X10 M	R1	R1	1	1	0	0
16	29+174	29+171	2X8 M	R2	R2	1	1	0	0
17	29+659	29+652	2X8 M	R2	R2	1	1	0	0
18	30+300	30+305	5X10 M	R2	R2	1	1	0	0
19	31+745	31+740	3X10 M	R2	R2	1	1	0	0
20	33+033	33+033	3X35 M			1	1	0	0
Total of minor/major bridges						**20**	**20**	**0**	**0**
Grade separated structures									
1	22+598	22+596	70			1	1	0	0
2	28+285	28+285	12			1	1	0	0
3	30+259	30+259	12			1	1	0	0
4	31+691	31+678	70			1	1	0	0
5	39+493	39+500	12			1	1	0	0
6	39+740	39+720	16			1	1	0	0
7	40+063	40+042	72.5			1	0	0	1
Total of GSS						**7**	**6**	**0**	**1**

Critical issues and hindrance

5.1 Hindrance in the work

Sr.No	Location		Length	Remarks
	From	To		
1	33+480	33+680	200	Non payment issues
2	34+150	34+350	200	Non payment issues
3	34+550	34+750	200	Non payment issues
4	39+000	39+120	120	Non payment issues
Total in Metre			**720**	

5.2 list of issues

Sr no	Work type	Location	Detail of issue	Remarks
1	Highway	33+480 to 33+680	Payment issue	Site is not handed over to Concessionaire
2	Hume Pipe Culvert	34+150 to 34+350	Payment issue	Site is not handed over to Concessionaire
3	Hume Pipe Culvert	34+550 to 34+750	Payment issue	Site is not handed over to Concessionaire
4	Highway	39+000 to 39+120	Payment issue	Site is not handed over to Concessionaire

5.3	Procurement of the site

As per Clause No. 10.3.1

On and after signing the memorandum referred in Clause 10.3.1, and until the Transfer Date, the Concessionaire shall maintain a round the clock vigil over the site and shall ensure and procure that no encroachment thereon takes place, and in the event of any encroachment or occupation on any part thereof, the Concessionaire shall report such encroachment or occupation forthwith to the Authority and undertake its removal at its cost and expenses.

It is pertinent to state that since October 2023 till date, in spite of Concessionaire's & Authority's repeated instructions GAIL Gas Limited executing the pipeline works, which is illegal under the afore mentioned Contract provisions.
Till date, owing to your illegal execution of works, the Concessionaire has suffered damages/ extra works to the tune of INR 2.00 Crores.

Mobilization Status

6.1 List of personnel deployment

Sr No	Departement	Name	Designation
Concessioniare Staff			
1	Key Role	Shivraj Singh	SPM
2	Billing & Planning	Lokesh Kumar Saraswat	Asst.Manager
3		Jignesh Chouhan	Engineer
4		Hemanth Tak	Engineer
5	Structure	Lalit Sharma	Sr. Engineer
6	Highway	Raman Kumar	Sr. Engineer
7	QA/QC	Ram Kumar Yadav	Asst.Manager
EPC Contractor Staff			
1	Key Role	Om Prakash Bhadoriya	PM
2		Kamlesh Kumar Varma	DPM
3	Billing & Planning	Soumitra Maity	Engineer
4		Gagan Kumar	Engineer
5		Surya Pratap Singh	Engineer
6	Structure	Pradeep Singh	Sr. Engineer
7		Binay kr Mishra	Engineer
8		Rohit Kumar	Engineer
9		Ankur kumar	Engineer
10		Patel Komal Kumar	Engineer
11		Lokesh Solanki	Engineer
12		Sonu Kumar	Engineer
13		Santosh Bharrdwaj	Jr.Engineer
14		Ankur Mall	Engineer
15		Saurabh Tiwari	Engineer
16		Avneesh Chaudhary	Engineer
17		Shubh Kumar	Jr. Engineer
18		Rishikesh	Engineer
19		Satyam	Engineer
20		Sanju	Engineer
21		Bhabesh	Engineer
22	QA/QC	Sudhanshu Kumar	Jr. Engineer
23		Rijayant Saini	Jr. Engineer
24	Survey	Ashok Kumar Sharma	Dy.Manager
25		Manish Kumar	Engineer
26		Sandeep	Surveyor
27		Shivam Singh	Surveyor
28		Satya Singh	Surveyor
29		Shivjeet Singh	Surveyor
30		Jai Shankar	Surveyor
31		Avanish Rai	Sr.Engineer
32		Prakash Konai	Engineer
33		Jai Vardhan Tiwari	Engineer
34		Debjyoti Kundu	Engineer

Sr No	Departement	Name	Designation
35	Highway	Nishant Kumar Singh	Jr. Engineer
36		Naveen Shah	Jr. Engineer
37		Gajendra Singh	Engineer
38		Shailendra Singh Bhadoriya	Foreman
39		Bijendra Kumar Singh	Supervisor
40		Yogendra Singh	Supervisor
41		Vishnu Singh	Jr.Engineer
42		Rahul Singh	Supervisor
43		Avad Kishor Jadon	Supervisor
44		Satendra Singh	Supervisor
45		Aman Singh	Supervisor
46		Kuldeep Singh	Supervisor
47		Prashant Singh	Supervisor
48		Bharat Kumar	Supervisor
49		Sujeet Kumar Upadhyay	Supervisor RE Wall
50		Arjun Singh Jadoun	Supervisor RE Wall
51	Mechanical	Vinod kr. Patel	Sr. Engineer
52		Akhand Pratap Singh	Sr.Engineer
53		Jitendra Verma	Engineer
54		Arpit Sharma	Engineer
55		Pankaj Sharma	Engineer
56		Manish Singh Theiya	Senior Foreman
57		Vivek Kumar	Jr.Executive
58		Kuldeep Kumawat	Jr.Executive
59		Chandan Kumar	Supervisor
60		Surendra Gupta	Supervisor
61		Nank Chand	Supervisor
62		Shekhar Singh	Supervisor
63	HR	Ashutosh Upadhyay	Asst. Manager
64		Roshan Kumar	Executive
65	Liaison	Ravi Shankar	Manager
66	Account	Rahul Sharma	Executive
67		Patel Pratik Kumar	Jr.Executive
68	IT	Praveen Singh	Executive
69	SAFETY	Shubham Pandey	Executive
70	Store	Satyadhar Singh	Manager
71		Balmukund Singh	Executive
72		Pawan kr. Sharam	Jr. Executive
73		Vipul Sharma	Jr. Executive
74		Ramnivash Dhakad	Supervisor
75		Dharmendra	officer
76		Bhaskar Kumar	Crusher Supervisor
77		Pankaj Ojha	Crusher Supervisor
78		Dhaemendra Kumar	W/B Operator
79		Manish Goirola	W/B Operator
80		Lallu Kumar	Diesel Supervisor
81		Sonu Kumar	Executive

Sr No	Departement	Name	Designation
82	QA/QC Technician & Helper	Udayveer Singh	Sr.Lab Technician
83		Sandeep Kumar	Lab Technician
84		Ramnivash Dhakad	Lab Technician
85		Ravi Prakash Singh	Lab Technician
86		Santosh Baghel	Lab Technician
87		Arun Dhakad	Lab Technician
88		Aditya Dhakar	Lab Technician
89		Vishal Singh Rana	Lab Helper
90		Rohit Kumar	Lab Helper
91		Rohit Kumar Patel	Lab Helper
92		Mohit Kumar	Lab Helper
93		Mukul Kumar	Lab Helper
94		Chandan Sharma	Lab Helper
95		Sanjay Kumar	LMV Driver
96		Kuldeep Yadav	LMV Driver
97		Soban Singh	LMV Driver
98		Abhishek Tiwari	LMV Driver
99		Pradeep Napit	LMV Driver
100		Ramakund Shukla	LMV Driver
101		Ambikesh Dwivedi	LMV Driver
102		Ravindra	LMV Driver
103		Arvind Kumar	LMV Driver
104		Pradeep	LMV Driver
105		Laxuman Singh	LMV Driver
106		Santan Kumar	LMV Driver
107		Uttam Singh	LMV Driver
108		Om Kumar	HMV Driver
109		Samarpal	HMV Driver
110		Ashok Kumar	HMV Driver
111		Gorelal Kol	HMV Driver
112		Tersem Lal	HMV Driver
113		Madhuraj Singh	HMV Driver
114		Ram Swaroop	HMV Driver
115		Raghubir Singh	HMV Driver
116		Suneel Kumar Yadav	HMV Driver
117		Narsingh Shukla	HMV Driver
118		Krishna Rajbhar	HMV Driver
119		Vijay Kumar	HMV Driver
120		Abhishek	HMV Driver
121		Kuldeep Singh	HMV Driver
122		Savan Baral	HMV Driver
123		Mahipal	HMV Driver
124		Surendra Singh	HMV Driver
125		Narendra Babu	HMV Driver
126		Khajan Singh	HMV Driver

Sr No	Departement	Name	Designation
127		Rajesh Yadav	HMV Driver
128		Jagmal Singh	HMV Driver
129		Devendra Singh	HMV Driver
130		Ankit Tomar	HMV Driver
131		Vipin Kumar	HMV Driver
132		Satendra Kumar	HMV Driver
133		Ramesh Pal Singh	HMV Driver
134		Guman Singh	HMV Driver
135		Asharam	TM Driver
136		Padam Singh	TM Driver
137		Lalit Singh	TM Driver
138		Ranjeet Singh Rawat	TM Driver
139		Mukesh Rawat	TM Driver
140		Sandeep Singh	TM Driver
141		Sanjay Paswan	TM Driver
142		Pappu Gupta	TM Driver
143		Amresh Singh	TM Driver
144		Mohan Singh	TM Driver
145		Baleshwar Prasad Tiwari	TM Driver
146		Gabbar Singh	TM Driver
147		Sandeep Kumar	TM Driver
148		Surendra Yadav	Trailer Driver
149		Vishnu Yadav	Boom Placer opt
150		Raj kumar	Boom Placer opt
151		Virender Kumar Patel	Excavator Operator
152		Ramesh Kumar	Excavator Operator
153		Md. Afroz	Excavator Operator
154		Sham Singh	Excavator Operator
155		Pushkar Singh	Excavator Operator
156		Nandlal Patel	Excavator Operator
157		Ajay Kumar Patel	Excavator Operator
158		Jagdish Singh	Excavator Operator
159		Manish Kumar	Excavator Operator
160		Munna Sah	Excavator Operator
161		Pravesh Kumar	Excavator Operator
162		Sunil Kumar Rawat	Grader Operator
163		Ram Krishna Patel	Grader Operator
164		Puneet Kumar	Grader Operator
165		Deepak Kumar	Grader Operator
166	Other	Anil Kumar Patel	Grader Operator
167		Vikash Babu	Roller opt
168		Vijay Patel	Roller opt

Sr No	Departement	Name	Designation
169		Shiromani Singh	Roller opt
170		Dharamveer	Roller opt
171		Yogendra Kumar Singh	Roller opt
172		Kamal Kishor Singh	Roller opt
173		Satish Chandra	Roller opt
174		Rameshwar	Roller opt
175		Anuraj Patel	Roller opt
176		Sanjay Kumar Patel	JCB Operator
177		Dhanraj Prasad	JCB Operator
178		Keshwar Bhagat	JCB Operator
179		Vishnu Patel	Wheel Loader Opt
180		Om Prakash Pandit	Wheel Loader Opt
181		Babloo Kushwah	JCB Operator
182		Sandip Kumar	Wheel Loader Opt
183		Bablu	Wheel Loader Opt
184		Raj kumar	Wheel Loader Opt
185		Sukhwinder Singh	Wheel Loader Opt
186		Chandan Kumar	Paver Operator
187		Vishal	Screed Operator
188		Vinod Kr Gupta	Auto Electrician
189		Dharmendra Kumar	Auto Electrician
190		Pappu	Electrician
191		Mr. Injar Khan	Mechanic
192		Gaurav Rathaur	Asst. Mechanic
193		Shalendra Pandey	Asst.Mechanic
194		Lalit Yadav	Hydra Operator
195		Bablu Shaikh	Kamani Fitter
196		Ankit Sharma	RMC Plant Operator
197		Vishwajeet Kumar Singh	RMC Plant Operator
198		Gaurav Sharma	RMC Plant Operator
199		Vikas Kumar	RMC Plant Operator
200		Bhikam Singh	WMM Plant Operator
201		Ebinay Lal Paswan	Tyre Fitter
202		chhotu Bhadauriya	Tyre Fitter
203		Sunil Kumar Chauhan	Welder
204		Rajpal	Welder
205		Fantus	Power Screen Operator
206		Arjun	RMC Plant Helper
207		Lavakush Kr Gautam	Boom Helper
208		Deepak Kumar	RMC PlantHelper
209		Jabir	Plumber
210		Rammurti	Welder Helper

Sr No	Departement	Name	Designation
211		Ankit Kumar	Plant Helper
212		Santosh Kumar Singh	Tyre Fitter Helper
213		Chandan Kumar	Workshop Helper
214		Rahul	Plant Helper
215		Sanjay	Plant Helper
216		Vishwakarma Kumar Mahto	Mech. Workshop Helper
217		Rituraj Kumar	Boom Placer Helper
218		Dori Lal	Workshop Helper
219		Rampravesh Gautam	RMC Plant Helper
220		Durgesh	Workshop Helper
221		Deepak Kumar	WMM Plant Helper
222		Karam Singh	Workshop Helper
223		Arvind Kumar	WMM Plant Helper
224		Akash	Paver Helper
225		Nitin Kumar	Office Boy
226		Subash Kumar	Helper
227		Bachcha Singh	Office Boy
228		Shivam	Sweeper
229		Vishal Maurya	Sweeper
230		Ambrish Singh	Store Helper
231		Devabrat Singh	Store Helper
232		Manmandr Pal	Survey Helper
233		Durgesh	Survey Helper
234		Vinit Kumar	Survey Helper
235		Sumit	Survey Helper
236		sukhbeer Kumar Sen	Survey Helper

6.2 Mobilization of plants & machinery

Sr. No	Item Description	Unit	Nos
1	Hydraulic Excavator (20 Ton)	Nos.	19
2	Dumpers (25 Ton)	Nos.	62
3	Backhoe Loader	Nos.	9
4	Wheel Loader	Nos.	4
5	Motor Grader	Nos.	7
6	Crane /Hydra	Nos.	2
7	Dozer	Nos.	2
8	Baby Roller	Nos.	1
9	Soil Compactor	Nos.	10
10	Transit Mixers	Nos.	9
11	Water Tanker	Nos.	7
12	Trailer	Nos.	2
13	Weigh Bridge	Nos.	2
14	Utility Vehicles	Nos.	6
15	Track Mounted Jaw Crusher 250 TPH	Nos.	1
16	Track Mounted Cone Crusher 250 TPH	Nos.	1
17	Track Mounted Screen Crusher 250 TPH	Nos.	1
18	Concrete Batching Plant (45 Cum)	Nos.	2
19	Venus Mobile Concrete Batching Plant (18 Cum)	Nos.	1
20	Bitumen Browser 8KI	Nos.	1
21	WMM Plant	Nos.	1
22	HM Plant	Nos.	1

6.2 Mobilization of plants & machinery

Sr. No	Item Description	Unit	Nos
23	Screening Plant	Nos.	2
24	RE Block Plant	Nos.	1
25	DG Sets	Nos.	21
26	Diesel Tanker	Nos.	3
27	Bike	Nos.	7
28	LMV	Nos.	11
29	Compressor	Nos.	1
30	Boom Placer	Nos.	1
31	Silo 150 MT	Nos.	4
32	Concrete Bucket (0.5 cum)	Nos.	1
33	Mud Pump 25HP	Nos.	4
34	Fork Lift	Nos.	1
35	Tower Light	Nos.	1
36	Mechanical Broomer with Air Compressor	Nos.	1
37	Sensor Paver	Nos.	1
		Total	**211**

6.3 Mobilization of lab equipments

Sr no	Description	Nos	Remarks
1	Hot air Oven 60cm X 60 cmX 60 cm,	2	
2	Hot plate 200mm dia (1500 watt)	2	
	MDD/OMC		
3	Proctor Mould (2250 cc)	2	
4	Proctor Mould (1000 cc)	2	
5	Modified Proctor Rammer(4.89 kg capacity)	6	
6	Modified procter hammer 2.6 Kg capacity	2	
7	150 mm Steel Spatula with wooden handle for Proctor (Big)	8	
8	Straight Edge (300mm)	2	
9	Hammer (Rubber Malet)	2	
	CBR test		
10	CBR Testing Machine - With plunger	1	
11	CBR Mould (Assumption: Everyday 4 CBR samples (12 moulds))	30	
12	Brass perforated plate	30	
13	Surcharge weight 147mm dia 2.5 kg wt. (Annular)	30	
14	Surcharge weight 147mm dia 2.5 kg wt. (slotted)	30	
15	Speacer disc	30	
16	Dial Gauge (min 25mm)	10	
17	Proving Ring - 50 KN capacity	2	
18	Soaking Tank for CBR Moulds (6 CBR molds)	1	
	LL/PL		
19	Cassagrande Apparatus with groving tools (Hand operated)	2	
20	100 mm Steel Spatula with wooden handle for LL & PL (Small)	4	
21	Glass PL Rod (3mm thickness)	4	
22	Ground Glass Plate with rounded edge 600*600*10mm	4	
23	Cone Penetrometer for soil	2	
24	China clay Bowl	7	
	FSI		
25	Measuring cylinder 100 ml Capacity (Glass Make Borocil) for FSI test	20	
	NDT Test		
26	Rebound Hammer	1	
	FDD		
27	Sand Pouring Cylinder (100 mm dia)	2	
28	Tray for 10 cm dia	2	
29	Calibrating Container 100 mm dia	100	
30	Sand Pouring Cylinder (150 mm)	2	
31	Tray for 150 mm dia	2	
32	Calibrating Container 150 mm dia	2	
33	Sand Pouring Cylinder (200 mm)	2	
34	Tray for 200 mm dia	2	
35	Calibrating Container 200 mm dia	2	
36	Rapid moisture meters	5	

Sr no	Description	Nos	Remarks
37	Calcium Carbide 500 gm pkt	10	
B. List of Lab Equipment for concrete Laboratory (Structural			
	FI & EI		
38	Flakiness Gauge	2	
39	Elongation gauge	2	
	AIV		
40	AIV Apparatus(full set)	1	
	Crushing value		
41	Crushing value apparartus	1	
	Bulk Density		
42	Bulk density cylinder capacity of **3 Ltr**	1	
43	Bulk density cylinder capacity of **15 Ltr**	1	
44	Bulk density cylinder capacity of **30 Ltr**	1	
45	Tamping Rod of 16mmØ and 60cm long	6	
	Sp.Gravity & WA		
46	Specific gravity for coarse aggregate complete set up	1	
47	Electronic Weighing balance of 10 kg capacity	1	
48	Specific gravity Pycnometer capaity of 1 LTR (FA)	2	
	Consistency,Initial & Final Setting time,soundness of cement		
49	Vicat Apparatus with plunger and Initial&Final setting time needles	2	
50	Gauging Trowel	6	
51	Lee chatlier Apparatus	5	
52	Constant Temp. Bath	1	
	Compressive strength of cement mortar		
53	Mortar cube vibrating machine	1	
54	Mortar cube moulds **(70.6mm x 70.6mm x 70.6mm)**	18	
55	Standard sand (Grade1,2 & 3) 25 kg each	9	
	Compressive strength of concrete		
56	Concrete cube Moulds **(150mm x 150mm x 150mm)**	84	150-Cast Iron , 150 - Plastic
57	Vibrating table for cube casting (1mX1m)	1	
58	Compression testing Machine- 2**000 KN**	1	
59	Tamping Rod of 16mmØ and 60cm long	6	
60	Cube moulds **(100mmx100mmX100mm)**	12	
61	Concrete mixer - (Tilting Drum Mixer)	1	
62	Mason Trowel Big	10	
	Slump test		
63	Slump cone with rod (Sets)	6	
64	Steel ruler,30cm long	8	
65	Sampling Scoop (2.5 Kg capacity)	4	
66	Sampling Scoop (1.0 Kg capacity)	4	
C. List of Lab Equipment for Bitumen and Bitumen Mixes			
67	Specific gravity bottle 50ml	5	
68	Core cutting machine with 100 mm and 150 mm dia. Diamond Cutting Bit (100mm & 150mm) Machine -1 Core bits - each 2	1	

Sr no	Description	Nos	Remarks
69	Filter Paper, 100 mm dia (Packet) & 150mm dia (packet)	10	
C. IS Sieves for Soil,GSB,WMM,DBM,BC,cement,Fly ash,Filter			
	Brass Sieve 200 mm Dia		
70	Brass Sieve 4.75 mm	2	
71	Brass Sieve 2.36 mm	2	
72	Brass Sieve 2.00 mm	1	
73	Brass Sieve 1.40 mm	1	
74	Brass Sieve 1.18 mm	1	
75	Brass Sieve 1.00 mm	2	
76	Brass Sieve 850 mic.	1	
77	Brass Sieve 710 mic.	1	
78	Brass Sieve 600 mic.	1	
79	Brass Sieve 425 mic.	1	
80	Brass Sieve 300 mic.	2	
81	Brass Sieve 180 mic.	1	
82	Brass Sieve 150 mic.	2	
83	Brass Sieve 90 mic.	2	
84	Brass Sieve 75 mic.	2	
85	Brass Sieve 45 mic.	2	
	GI Sieve 450 mm Dia		
86	GI Sieve 75 mm	2	
87	GI Sieve 63 mm	1	
88	GI Sieve 53 mm	1	
89	GI Sieve 45 mm	3	
90	GI Sieve 40 mm	1	
91	GI Sieve 37.5 mm	2	
92	GI Sieve 31.5 mm	2	
93	GI Sieve 26.5 mm	2	
94	GI Sieve 25 mm	1	
95	GI Sieve 22.4 mm	1	
96	GI Sieve 20 mm	2	
97	GI Sieve 19 mm	1	
98	GI Sieve 16 mm	1	
99	GI Sieve 13.2 mm	1	
100	GI Sieve 12.5 mm	1	
101	GI Sieve 11.2 mm	2	
102	GI Sieve 10 mm	2	
103	GI Sieve 9.5 mm	2	
104	GI Sieve 6.3 mm	1	
105	GI Sieve 5.6 mm	1	
106	GI Sieve 4.75 mm	1	
107	GI Sieve 2.36 mm	2	
108	GI Lid and Pan	0	
	Common items		
109	Vernier Caliper-300mm (Digital)	1	
110	Electronic Weighing Balance (30 Kg) , 1gm	2	
111	Electronic Weighing Balance (10 Kg) 0.5 gm	1	
112	Electronic Weighing Balance (600G) , 0.01gm	2	
113	Measuring cylinder of 1000ml capacity(Plastic)	2	
114	Measuring cylinder of 500ml capacity(Plastic)	2	

Sr no	Description	Nos	Remarks
115	Hydrometer (0.8 to 0.9)	3	
116	Rain gauge -	1	
117	Digital Thermometer (0 to 250^{o} C) - Pen type	5	
118	Iron hammer	4	
119	Lab Programme display board (white board)	1	
120	Measuring tape steel 30 mtr	1	
121	Measuring tape steel 5 mtr	1	
122	Spades	2	
123	Pick axes	2	
124	Sampling Scoop	4	
For calibration of HMP and Batching palnt			
125	Standard Iron weights 20kg	1	
126	Standard Iron weights 10 kg	1	
127	Standard Iron weights 5 kg	1	
128	Standard Iron weights 2 kg	1	
129	Standard Iron weights 1 kg	1	
130	Standard Iron weights 500 gms	1	
131	Standard Iron weights 200gms	1	
132	Standard Iron weights 100gms	1	
D. List of Lab Equipment for Bitumen and Bitumen Mixes			
133	Measuring Cylinder Glass 100ml	16	
134	Proving Ring - 30 KN	2	
135	Dial Gauge 25mm	6	
136	Stop Watch Digital	2	
137	Softening Point App. (Ring & Ball)	1	
138	Standard Penetrometre Digital	1	
139	Say Bolt Visco Metre	1	
140	Bitumen Extractor Electrical	1	
141	Bitumen Extractor Manual	1	
142	Ductility Machine	1	
143	Marshal Pedestal 100mm	1	
144	Marshal Rammer 100mm Dia	4	
145	Marshal Pedestal 150mm	1	
146	Marshal Rammer 150mm Dia	4	
147	Marshal Stability Machine	1	
148	Marshal Mould 100 mm Dia	30	
149	Marshal Mould 150 mm Dia	30	
150	Viscosity Bath	1	
151	Viscosity Glass Tube 6no.	1	
152	Viscosity Glass Tube 12no.	1	
153	Rotary Vaccum Pump	1	
154	GMM Flask 2000 ML	1	
155	GMM Flask 5000 ML	1	
156	Silicon Oil	20	
157	Water Bath	1	
158	S.G. Bottle 50 ml	4	
159	Thin Film Oven	1	
160	Core Bit 100 MM	4	
161	Core Bit 150 MM	4	
162	Flash & Fire Point App.	1	
163	M. Cylinder 250 ML Glass	4	

Sr no	Description	Nos	Remarks
164	M. Cylinder 500 ML Glass	4	
165	M. Cylinder 1000 ML Glass	2	
166	Funnel	4	
167	Glass Thermometre	5	
168	Maximum & Minimum Thermometre	1	
169	Circular Tray	15	
170	G.I Tray 300 X 300 mm	6	
171	Gloves (Rbber)	10	
172	Hot Mix Gloves	10	
173	Wash Bottle	5	
174	Scoop	12	
175	Spatula 100 mm	6	
176	Thickness Gauge 6''	4	
177	Thickness Gauge 12''	4	
178	Vernier Calliper Digital 150 mm	1	
179	Digital Thermometer Pen Type	10	
180	Digital Thermometer	2	
181	Spirit Level	1	
182	Lazer Thermometer	2	
183	Filter Paper 110 mm	15	
184	Filter Paper 150 mm	15	
185	Filter Paper 240 mm	15	
186	M. Cylinder 1000 ML Plastic	2	
187	M. Cylinder 500 ML Plastic	2	
188	Borosil	4	
189	Brealcing Head	2	
190	Glass Funnel	4	
191	Glass Plate	2	

Quality control test conducted summary

7.1 Quality control test conducted summary

Sl.No	Type of Test	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	4	76	76	0	4	4	0	80	80	0	2	19	**21**	
ii)	Atterberg Limits (LL & PL)	2 tests for 3000 cu.m of soil	IS 2720 Part-5	4	76	76	0	4	4	0	80	80	0	2	19	**21**	
iii)	Proctor Test(MDD & OMC)	2 tests for 3000 cu.m of soil	IS 2720 Part-8	4	76	76	0	4	4	0	80	80	0	2	19	**21**	
iv)	Free Swell Index (FSI)	2 tests for 3000 cu.m of soil	IS 2720 Part-40	4	76	76	0	4	4	0	80	80	0	2	19	**21**	
v)	CBR Test	1 test for 3000 m^3	AASHTO T 193	2	1	1	0	2	2	0	3	3	0	2	0	**2**	
B	**Borrow Area**																
i)	Grain Size Analysis	2 tests for 3000 cu.m of soil	IS 2720 Part-4	0	267	267	0	0	0	0	267	267	0	0	182	**182**	
ii)	Atterberg Limits (LL & PL)	2 tests for 3000 cu.m of soil	IS 2720 Part-5	0	267	267	0	0	0	0	267	267	0	0	182	**182**	
iii)	Proctor Test(MDD & OMC)	2 tests for 3000 cu.m of soil	IS 2720 Part-8	0	267	267	0	0	0	0	267	267	0	0	182	**182**	
iv)	Free Swell Index (FSI)	2 tests for 3000 cu.m of soil	IS 2720 Part-40	0	267	267	0	0	0	0	267	267	0	0	182	**182**	
v)	CBR Test for SG	1 test for 3000 m^3	AASHTO T 193	0	56	56	0	0	0	0	56	56	0	0	39	**39**	
C	**Cutting Soil for Emb/Subgrade**																
i)	Grain Size Analysis	2 tests for 3000 cu.m of soil	IS 2720 Part-4	0	2	2	0	0	0	0	2	2	0	0	2	**2**	
ii)	Atterberg Limits (LL & PL)	2 tests for 3000 cu.m of soil	IS 2720 Part-5	0	2	2	0	0	0	0	2	2	0	0	2	**2**	
iii)	Proctor Test(MDD & OMC)	2 tests for 3000 cu.m of soil	IS 2720 Part-8	0	2	2	0	0	0	0	2	2	0	0	2	**2**	
iv)	Free Swell Index (FSI)	2 tests for 3000 cu.m of soil	IS 2720 Part-40	0	2	2	0	0	0	0	2	2	0	0	2	**2**	
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	105	1527	1396	131	105	105	0	1632	1501	131	35	832	**867**	
ii)	Compaction Control for Embankment	1 Test/3000 m2	IS 2720 Part-28	2272	18448	17205	1243	2272	2182	90	20720	19387	1333	705	7241	**7946**	
iii)	Compaction Control for Sub Grade	1 Test/2000 m2	IS 2720 Part-28	2468	2119	1827	292	2468	2400	68	4587	4227	360	790	894	**1684**	
iv)	Compaction Control for GSB			66	439	395	44	66	60	6	505	455	50	0	105	**105**	
v)	Compaction Control for WMM			146	13	11	2	146	125	21	159	136	23	60	4	**64**	
vi)	Compaction Control for RE Wall			205	340	322	18	205	185	20	545	507	38	70	81	**151**	
E	**For Granular Subbase (m^3)**																
i)	Gradation	One test per 400 cu.m	IS 2386 Part-1	33	113	113	0	33	33	0	146	146	0	10	40	**50**	
ii)	Atterberg Limits (LL & PL)	One test per 400 cu.m	IS 2720 Part-5	33	113	113	0	33	33	0	146	146	0	10	37	**47**	
iii)	Proctor Test(MDD & OMC)	As Required	IS 2720 Part-8	33	1	1	0	33	33	0	34	34	0	10	1	**11**	
iv)	CBR Test in soaked condition	As Required	IS 2720 Part-28	0	3	3	0	0	0	0	3	3	0	0	3	**3**	
v)	Water Absorption	As required	IS 2386 Part-3	0	1	1	0	0	0	0	1	1	0	0	1	**1**	
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	36	11	11	0	36	36	0	47	47	0	10	6	**16**	
ii)	Atterberg Limits (LL & PL)	One test per 200 cu.m of aggregate	IS 2720 Part-5	36	11	11	0	36	36	0	47	47	0	10	6	**16**	
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	8	3	3	0	8	8	0	11	11	0	3	1	**4**	
v)	FI & EI	One set of three tests per 500 sq.m	IS 2386 Part-1	16	5	5	0	16	16	0	21	21	0	8	2	**10**	
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**	

Sl.No	Type of Test	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	
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		3	0	0	0	3	3	0	0	0	0	2	0	**2**	
ii)	Binder temperature for application	At regular close intervals		6	0	0	0	6	6	0	0	0	0	4	0	**4**	
iii)	Rate of Spread of Binder/Prime coat (m^2)	Three tests per day	IRC SP 11	12	0	0	0	12	12	0	0	0	0	7	0	**7**	
iv)	Rate of Spread of Binder/Tack coat (m^2)	Three tests per day	IRC SP 11	12	0	0	0	12	12	0	0	0	0	7	0	**7**	
H	**Bitumen (VG)**																
i)	Penetration Test (Lot)	Each lot 1 test	IS 1203	3	0	0	0	3	3	0	0	0	0	3	0	**3**	
ii)	Softening Point (Lot)	Each lot 1 test	IS 1205	3	0	0	0	3	3	0	0	0	0	3	0	**3**	
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	5	5	0	0	0	0	5	5	0	0	2	**2**	
ii)	Softening Point (Lot)	Each lot 1 test	IS 1205	0	5	5	0	0	0	0	5	5	0	0	2	**2**	
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 in the quality of aggregate	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
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	3	0	0	0	3	3	0	3	3	0	3	0	**3**	
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	2	2	2	0	2	2	0	4	4	0	2	1	**3**	
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	2	2	2	0	2	2	0	4	4	0	2	1	**3**	
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**	

Sl.No	Type of Test	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	
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		4	3	3	0	4	4	0	7	7	0	2	2	**4**	
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		4	0	0	0	4	4	0	4	4	0	3	0	**3**	
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		8	0	0	0	8	8	0	8	8	0	5	0	**5**	
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	4	3	3	0	4	4	0	7	7	0	2	1	**3**	
xv)	Rate of spread of mix material	After every 5th truck load		16	0	0	0	16	16	0	16	16	0	10	0	**10**	
xvi)	Density of Compacted Layer	One test per 700 sq.m area	AASTHO T 166	15	17	17	0	15	15	0	32	32	0	10	5	**15**	
xvii)	Stripping Value of Aggregate	Source Approval/when required	IS: 6241	2	0	0	0	2	2	0	2	2	0	1	0	**1**	
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	2	0	0	0	2	2	0	2	2	0	1	0	**1**	
xxi)	Mix Grading (dry)	Each 400 tones of mix	MoRT&H Table 500-10	4	3	3	0	4	4	0	7	7	0	2	2	**4**	
xxii)	Stability of mix	Each 400 tones of mix	ASTM D 1559	4	0	0	0	4	4	0	4	4	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**	
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	3	3	0	0	0	0	3	3	0	0	2	**2**	
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	3	3	0	0	0	0	3	3	0	0	2	**2**	
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		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	5	5	0	0	0	0	5	5	0	0	4	**4**	
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**	

Sl.No	Type of Test	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	
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	5	5	0	0	0	0	5	5	0		4	**4**	
xv)	Rate of spread of mix material	After every 5th truck load		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	18	18	0	0	0	0	18	18	0		6	**6**	
xvii)	Stripping Value of Aggregate	Source Approval/when required	IS 6241	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**	
xix)	with magnesium sulphate	Source Approval/when required	-	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**	
xxi)	Mix Grading (dry)	Each 400 tones of mix	MoRT&H T10	0	5	5	0	0	0	0	5	5	0	0	6	**6**	
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/1000sqm	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 minimum 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	10	44	44	0	10	10	0	54	54	0	6	21	**27**	
ii)	Initial setting time & final setting ti	for Every Batch/Lot	IS 4301 Part-5	10	44	44	0	10	10	0	54	54	0	6	21	**27**	
iii)	Fineness	for Every Batch/Lot	IS 4301 Part-1	10	44	44	0	10	10	0	54	54	0	6	19	**25**	
iv)	Compressive strength (3 Days)	for Every Batch/Lot	IS 4301 Part-6	6	66	66	0	6	6	0	72	72	0	3	17	**20**	
v)	Compressive strength (7 Days)	for Every Batch/Lot	IS 4301 Part-6	4	73	73	0	4	4	0	77	77	0	3	18	**21**	
vi)	Compressive strength (28 Days)	for Every Batch/Lot	IS 4301 Part-6	3	61	61	0	3	3	0	64	64	0	2	16	**18**	
2	Water	Source Approval/when required	IS 456	0	0	0	0	0	0	0	0	0	0	0	0	**0**	

Sl.No	Type of Test	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	
3	Steel Reinforcement	Source Approval/when required	IS	0	10	10	0	0	0	0	10	10	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 :**																-
i)	Gradation Test for Coarse Aggregate	1 Test / day	IS 383	31	300	300	0	31	31	0	331	331	0	20	137	157	
ii)	Gradation Test for Fine Aggregate	1 Test / day	IS 383	31	251	251	0	31	31	0	282	282	0	20	125	145	
iii)	Flakiness Index	1 Test / week	IS 2386 Part-1	4	49	49	0	4	4	0	53	53	0	2	21	23	
iv)	Aggregate Impact Value/Los Angles Abrasion Value	1 Test / week	IS 2386 Part-4	4	49	49	0	4	4	0	53	53	0	2	20	22	
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	305	1963	1963	0	305	305	0	2268	2268	0	110	1076	1186	
7	Concrete Compressive strength (28 Days) m^3		IS 516	290	3367	3367	0	290	290	0	3657	3657	0	135	1570	1705	
P	**Calibration**																
i)	Concrete Batching Plant (CP-0.5) RE B	One test for every year	-	0	1	1	0	0	0	0	1	1	0		2	**2**	
ii)	Concrete Batching Plant (CP-45)	One test for every year	-	1	5	5	0	1	1	0	6	6	0		7	**7**	
iii)	Sand pouring cylinder 150mm dia.	One test for every month	IS 2720 Part-28	1	11	10	0	1	1	0	12	12	0		7	**7**	
iv)	Sand pouring cylinder 200mm dia.	One test for every month	IS 2720 Part-28	1	11	11	0	1	1	0	12	12	0		8	**8**	
v)	Sand pouring cylinder 100mm dia.	One test for every month	IS 2720 Part-28	1	8	8	0	1	1	0	9	9	0		6	**6**	
vi)	Rapid moisture meter	One test for every month	-	1	1	1	0	1	1	0	2	2	0		1	**1**	
vii)	Compressive testing machine 2000KN	One test for every year	-	1	1	1	0	1	1	0	2	2	0		0	**0**	
viii)	Flexural Testing Machine	One test for every year	-	0	0	0	0	0	0	0	0	0	0		0	**0**	
ix)	Proving ring 50KN	One test for every year	-	1	0	0	0	1	1	0	0	0	0		0	**0**	
x)	Proving ring 30KN	One test for every year	-	1	0	0	0	1	1	0	0	0	0		0	**0**	
xi)	Proving ring 25KN	One test for every year	-	1	0	0	0	1	1	0	0	0	0		0	**0**	
xii)	WMM Plant 160TPH	One test for every year	-	0	1	1	0	0	0	0	1	1	0		1	**1**	
xiii)	HM Plant 160TPH	One test for every year	-	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**	
	Total			**6301**	**31025**	**29294**	**1730**	**6301**	**6096**	**205**	**37284**	**35349**	**1935**	**2115**	**13243**	**15358**	

Correspondence

8.1 Summary of correspondence letters

Sr. No	Letter No	Subject	To	From	Date	Remarks
1	MKCIL/GNR/UK_PSB_PKG-2/525	Regarding Bank Guarantee Release against Mobilization Advance Recovery.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	01.03.2024	
2	MKCIL/GNR/UK_PSB_PKG-2/526	Regarding Submission of Box Culverts Drawing.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	06.03.2024	
3	MKCIL/GNR/UK_PSB_PKG-2/527	Regarding Submission of Drone Videography & Ortho Images of February 2024 as per Artical 13.6.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	01.03.2024	
4	MKCIL/GNR/UK_PSB_PKG-2/528	Adverse climate condition in the February and March Month-2024.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	04.03.2024	
5	MKCIL/GNR/UK_PSB_PKG-2/529	Regarding Installation of speed limit boards on the road in Sub-divisional Transport office Vikas Nagar area.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	04.03.2024	
6	MKCIL/GNR/UK_PSB_PKG-2/530	Regarding Data for Review /Updation of existing Comprehensive Master plans of Yamuna River Sub Basin.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	04.03.2024	
7	MKCIL/GNR/UK_PSB_PKG-2/531	Regarding Submission of Credential and company Profile of DECG International for Bridge Bearing and Bridge Expansion Joints.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	05.03.2024	
8	MKCIL/GNR/UK_PSB_PKG-2/532		IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	06.03.2024	
9	MKCIL/GNR/UK_PSB_PKG-2/533	Regarding Submission of DBM Mix Design grading II for approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	05.03.2024	
10	MKCIL/GNR/UK_PSB_PKG-2/534	Regarding Desist of work on all Proposed location of underpass in COS.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	06.03.2024	
11	MKCIL/GNR/UK_PSB_PKG-2/535	Regarding Request to release of performance security.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	06.03.2024	
12	MKCIL/GNR/UK_PSB_PKG-2/536	Regarding Submission of Monthly Progress report of February 2024 as per clause 13.1 of CA.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	07.03.2024	
13	MKCIL/GNR/UK_PSB_PKG-2/537	Regarding Request of Modification in Sch-G For Service Road.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	07.03.2024	
14	MKCIL/GNR/UK_PSB_PKG-2/538	Minutes of meeting held on 05.02.2024 under the chairmanship of chairman, NHAI at Hyatt Regency Resort & spa, Mussoorie Road Dehradun.	NHAI	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	08.03.2024	
15	MKCIL/GNR/UK_PSB_PKG-2/539	Regarding Submission of credential geogrid of Maruti Rub Plast Private Limited.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	05.03.2024	
16	MKCIL/GNR/UK_PSB_PKG-2/540	Regarding WMM Laying and level.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	12.03.2024	
17	MKCIL/GNR/UK_PSB_PKG-2/541	Regarding Laid WMM at data lake found not satisfactory.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	12.03.2024	
18	MKCIL/GNR/UK_PSB_PKG-2/542	Regarding WMM material Laying at Ch.23+150 to 23+350.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	12.03.2024	
19	MKCIL/GNR/UK_PSB_PKG-2/543	Regarding Use of geogrid without Source approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	13.03.2024	
20	MKCIL/GNR/UK_PSB_PKG-2/544	Regarding Submission of Light Vehicular Underpass(LVUP) Drawing.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	13.03.2024	
21	MKCIL/GNR/UK_PSB_PKG-2/545	Regarding Poor Workmanship of WMM layer.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	13.03.2024	
22	MKCIL/GNR/UK_PSB_PKG-2/546	Regarding Submission of Elastomeric Bearing Drawing for Minor Bridge at Ch.21+610.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	13.03.2024	
23	MKCIL/GNR/UK_PSB_PKG-2/547	Regarding Installation of speed limit boards on the road in subdivisional Transport office Vikas Nagar area.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	14.03.2024	
24	MKCIL/GNR/UK_PSB_PKG-2/548	Regarding Observation on Compliance on conditional approval of Pavement Design and report using Triax TX160 Geogrid Tensar Geogrid.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	15.03.2024	
25	MKCIL/GNR/UK_PSB_PKG-2/549	Regarding laying of pipeline.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	15.03.2024	
26	MKCIL/GNR/UK_PSB_PKG-2/550	Regarding Location of Foot Over Bridge.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	15.03.2024	
27	MKCIL/GNR/UK_PSB_PKG-2/551	Regarding Submission of proposal for channelize the stream(LHS) towards existing Nala at Box Culvert Chainage-26+794.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	15.03.2024	
28	MKCIL/GNR/UK_PSB_PKG-2/552	Regarding Submission of RE Wall Drawing of VUP at Chainage - 22+598	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	15.03.2024	
29	MKCIL/GNR/UK_PSB_PKG-2/553	Regarding Completion Certificate of electrical utility shifting work.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	16.03.2024	
30	MKCIL/GNR/UK_PSB_PKG-2/554	Regarding Submission of proposal for channelize the stream (LHS) towards existing Nala at Box culvert Chainage -26+794.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.03.2024	
31	MKCIL/GNR/UK_PSB_PKG-2/555	Regarding Public Grievance CHML 022024-2-512442 dated 18.02.2024	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.03.2024	
32	MKCIL/GNR/UK_PSB_PKG-2/556		IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.03.2024	
33	MKCIL/GNR/UK_PSB_PKG-2/557	Regarding Submission of structural Drawing of Box culverts, LVUP and Minor Bridge.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.03.2024	
34	MKCIL/GNR/UK_PSB_PKG-2/558	Regarding Submission of Foot over bridge Drawing.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	19.03.2024	

Sr. No	Letter No	Subject	To	From	Date	Remarks
35	MKCIL/GNR/UK_PSB_PKG-2/559	Regarding observation on submission of COS Proposal.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.03.2024	
36	MKCIL/GNR/UK_PSB_PKG-2/560	Regarding Safety concerns on Project Highway.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.03.2024	
37	MKCIL/GNR/UK_PSB_PKG-2/561	Regarding Submission of Draft construction stage road safety audit Report.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.03.2024	
38	MKCIL/GNR/UK_PSB_PKG-2/562	Regarding Complaint number CMHL-022024-2-511557 dt. lodged by Shri Ajay Badoni, G Block M. No. 430, Nehru Colony, Dehradun in the CM Helpline of Honorable Chief Minister of Uttarakhand.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.03.2024	
39	MKCIL/GNR/UK_PSB_PKG-2/563	Regarding Audit Completion meeting.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.03.2024	
40	MKCIL/GNR/UK_PSB_PKG-2/564	Regarding WMM laying at ch-23+150 to 23+350 LHS.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.03.2024	
41	MKCIL/GNR/UK_PSB_PKG-2/565	Regarding Submission of test report of borrow area-24 for Reinforced Soil Walls.	NHAI	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	23.03.2024	
42	MKCIL/GNR/UK_PSB_PKG-2/566	Regarding Submission of Drone Videography & Ortho Images for the Month of March 2024 as per Article 13.6.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	24.03.2024	
43	MKCIL/GNR/UK_PSB_PKG-2/567	Regarding Submission of Health, Safety, Traffic & Environment Management Plan.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	27.03.2024	
44	MKCIL/GNR/UK_PSB_PKG-2/568	Regarding Improvement of Black spot identified on existing NH-72.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	27.03.2024	
45	MKCIL/GNR/UK_PSB_PKG-2/569	Regarding Shifting of Utility work of Water Pipeline.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	28.03.2024	
46	MKCIL/GNR/UK_PSB_PKG-2/570	Regarding Release of performance bank guarantee.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	29.03.2024	

Weather report

9.1 Summary of weather report

SL. NO.	DATE	TEMPERATURE		HUMIDITY		WEATHER	RAIN FALL (in mm)	Cum. Rain Fall Up To Till Month	REMARKS
		MAX.	MIN.	MAX.	MIN.				
1	01-03-2024	23	15.5	54	34	Rainy	3	1803.3	Cum. Rain Fall Up To Previous Month
2	02-03-2024	23	16.9	55	36	Rainy	25	1828.3	
3	03-03-2024	20.9	14.3	55	42	Rainy	20	1847.8	
4	04-03-2024	21.6	13.9	53	41	Sunny	0	1847.8	
5	05-03-2024	25.4	11.7	51	32	Sunny	0	1847.8	
6	06-03-2024	27.5	13	52	31	Sunny	0	1847.8	
7	07-03-2024	28.2	12.3	51	31	Sunny	0	1847.8	
8	08-03-2024	28	13.3	50	31	Sunny	0	1847.8	
9	09-03-2024	29.5	13.5	50	30	Sunny	0	1847.8	
10	10-03-2024	27.6	16.2	48	31	Sunny	0	1847.8	
11	11-03-2024	30	14.9	49	30	Sunny	0	1847.8	
12	12-03-2024	30.9	15.3	48	30	Sunny	0	1847.8	
13	13-03-2024	28.7	15.7	46	31	Sunny	0	1847.8	
14	14-03-2024	30	14.5	45	30	Sunny	0	1847.8	
15	15-03-2024	31.1	14.3	44	29	Sunny	0	1847.8	
16	16-03-2024	29.1	15	45	31	Sunny	0	1847.8	
17	17-03-2024	30	15	46	30	Sunny	0	1847.8	
18	18-03-2024	29	14.9	44	31	Sunny	0	1847.8	
19	19-03-2024	29	14	41	31	Sunny	0	1847.8	
20	20-03-2024	29.1	18	43	33	Sunny	0	1847.8	
21	21-03-2024	29.2	18.5	44	31	Sunny	0	1847.8	
22	22-03-2024	30	17.4	48	34	Sunny	0	1847.8	
23	23-03-2024	29	16.7	49	32	Sunny	0	1847.8	
24	24-03-2024	30.1	16.4	48	31	Sunny	0	1847.8	
25	25-03-2024	35.1	17.6	45	29	Sunny	0	1847.8	
26	26-03-2024	30	18.5	45	31.9	Sunny	0	1847.8	
27	27-03-2024	35.1	20.8	44	28	Sunny	0	1847.8	
28	28-03-2024	36.2	20.2	44	27	Sunny	0	1847.8	
29	29-03-2024	37.7	21.4	47	29	Rainy	11	1858.6	
30	30-03-2024	33.8	20	46	29	Rainy	7.8	1866.4	
31	31-03-2024	22	21.6	30	38	Cloudy	0	1866.4	

Site visit and meetings

10.1 Details of site visit and meetings

Sr. No	Date	Meeting & Visit
1	05.03.2024	Project Review Meeting at PIU Vasant Vihar
2	21.03.2024	Meeting regarding safety at project

Site photographs

11.1 Site photographs

Concrete Cube Testing going on with AQME sir

WMM Laying Work in Progress at Ch.24+750

WMM Laying Work in Progress at Ch. 26+300

FDD Checking on WMM Top Layer at Ch.24+200

Sub Grade Top Rolling Work in Progress at Ch.22+860

GSB Top Rolling Work in Progress at Ch.29+700

VUP Pier Cap Concrete Pouring Work in Progress at Ch. 31+691

33+033 MJB Girder Profile Checking by BE Sir

LVUP Raft Concrete Pouring Work in Progress at Ch. 39+500

VUP Pier Cap Curing Work in Progress at Ch. 31+691

Drain Wall Pouring Work in Progress at Ch. 22+500

MJB Girder Curing Work in Progress

MJB Girder Concrete Pouring Work in Progress Ch. 33+033

Box Culvert Raft Concrete Pouring Work in Progress at Ch. 31+370

Retaining Wall Concrete Pouring Work in Progress at Ch. 29+360

MNB Slab Curing Work in Progress at Ch. 24+090

RE Block Erection Work in Progress at Ch. 22+700

FDD Checking on RE Wall Back Fill Bed at Ch. 31+400

RE Block Erection Work in Progress at Ch. 30+200

Utility Pipe Laying at Ch. 39+350

DBM Laying Work in Progress at Ch. 43+300

DBM Laying Work in Progress at Ch. 43+600

Slope Protection Work Jointly Inspected by RE sir & BE sir along with MKC Team

Road Stud Installation Work in Progress at Ch. 40+100

Thanks