MONTHLY PROGRESS REPORT OF OCTOBER-2023

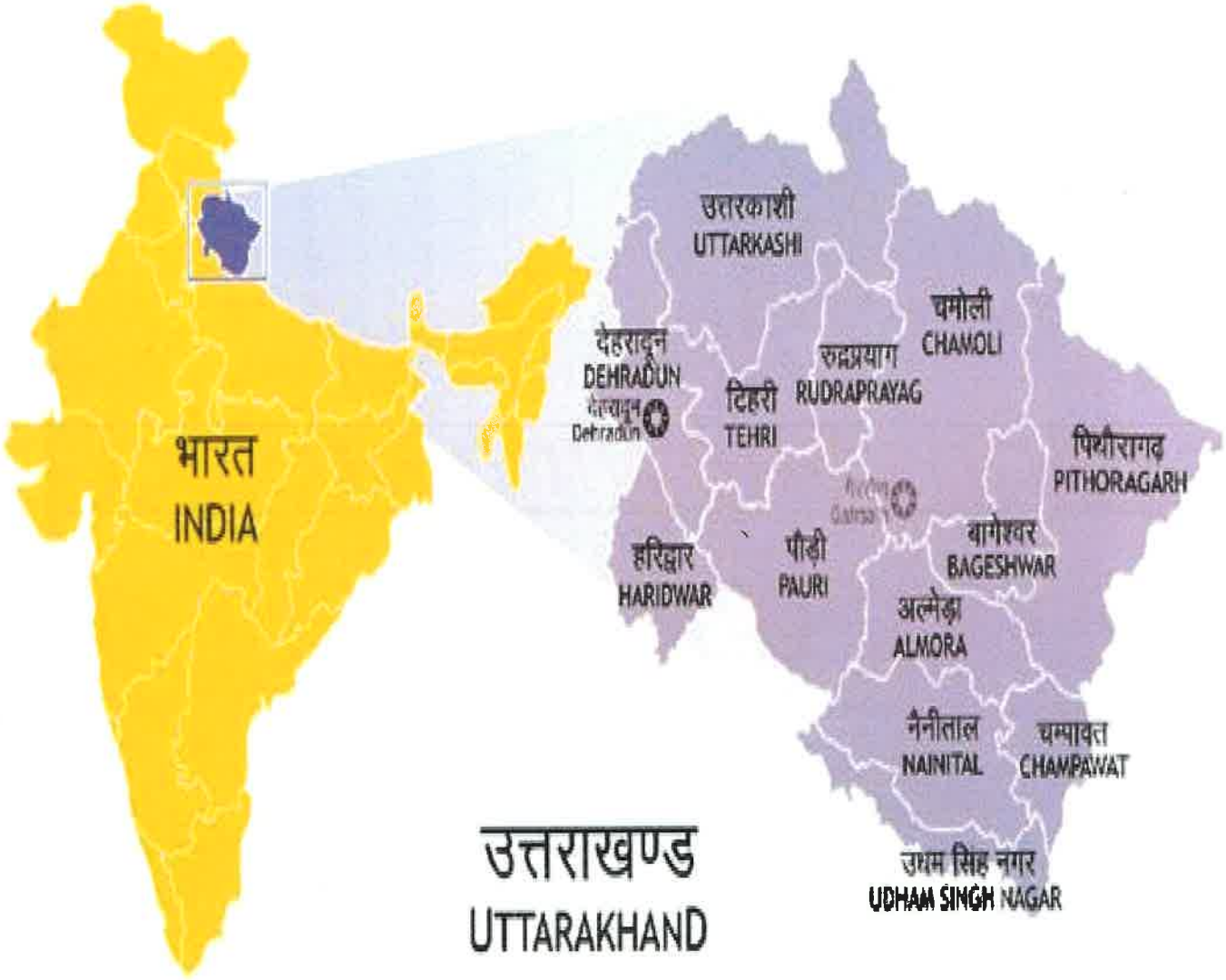
Name of work	Up-gradation & 4 laning of Poanta Saheb- Ballupur sec. of NH-72 in Uttarakhand state under NH(o) on HAM pkg-II Medinipur to Ballupur from CH 18.700 To CH 44.800.

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.

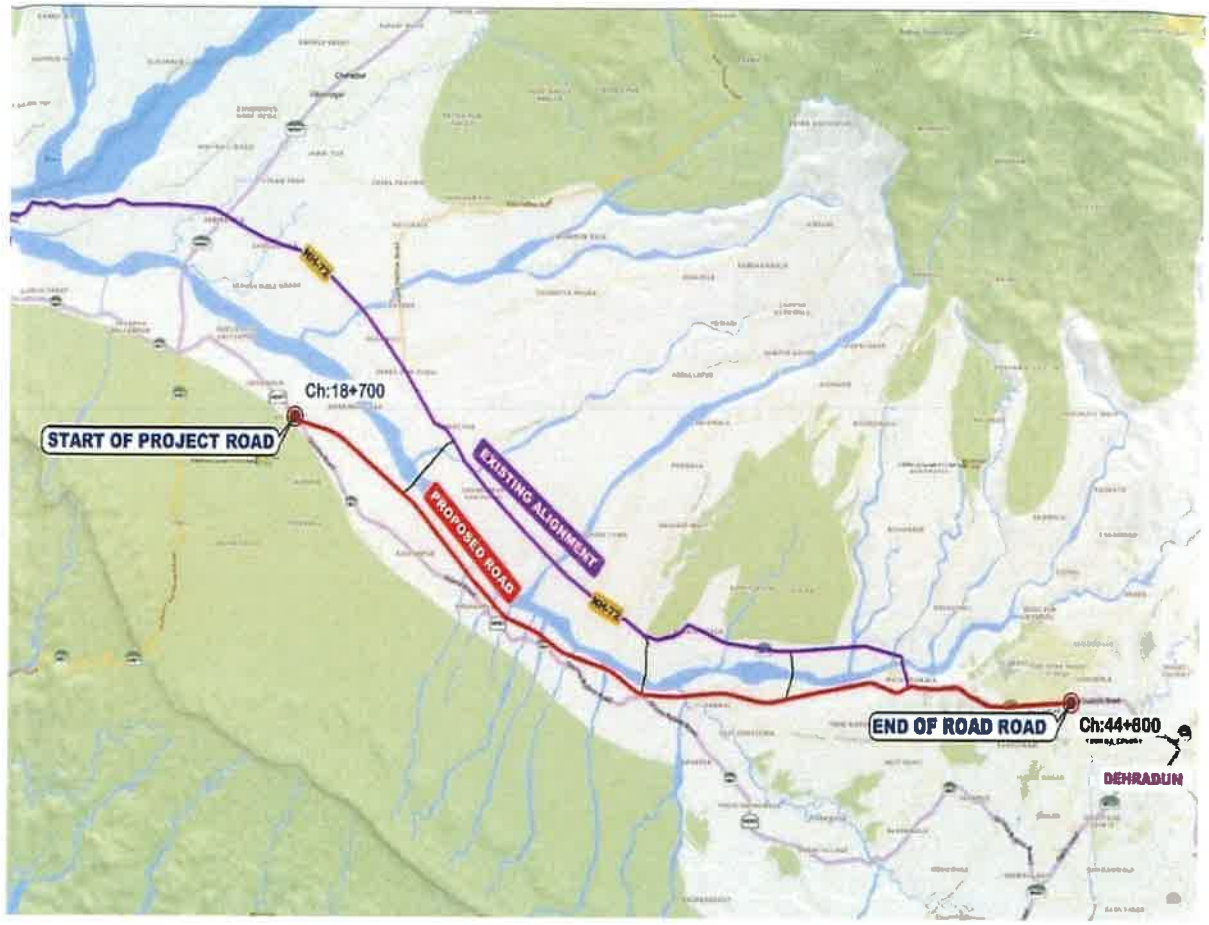
INDEX

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		

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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%		
	(2) Granular work (Sub-base,						
	(a) CTSB/GSB	Km	4.50	21553385.78	0.42%		
	(b) WMM	Km	4.50	41505832.80	0.80%		
	(3) Shoulders	Km	9.00	2971864.40	0.06%		
	(4) Bituminous Work						
	(a) DBM	Km	4.50	23207725.35	0.45%		
	(b) BC	Km	4.50	24305590.88	0.47%		
	B-New 4 Lane Realignment/Bypass						
	(1) Earthwork upto top of Sub-grade	Km	41.56	805887112.76	15.60%	4	1.50%
	(2) Granular work (Sub-base,						
	(a) CTSB / GSB	Km	41.56	219083230.31	4.24%		
	(b) WMM	Km	41.56	370137914.57	7.17%		
	(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%	20	0.82%
	2) Minor Bridge				0.00%		
	a) Foundation	No.	19.00	267262947.46	5.17%	14	3.81%
	b) Sub-Structure	No.	19.00	233855079.03	4.53%	8	1.91%
	c) Super-Structure (including Crash	No.	19.00	167039342.17	3.23%	4	0.68%
	3) Grade seprated structures						
	i) Foundation	No.	6.00	115773880.88	2.24%	3	1.12%
	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%		

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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 %
	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%		
	2) Sub-Structure	No.	1.00	94971824.34	1.84%		
	3) Super-Structure (including Crash	No.	1.00	67837017.38	1.31%		
Structure (Elevated Section,	4) Reinforced Earth Wall (includes	Sq.m	27201.50	328923283.49	6.37%		
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%		
	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%	0.407	0.05%
	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%	0.51	0.13%
	(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%**		**12.05%**

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%

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 %
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%			
TOTAL		62.25	12.05%				

* 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	21.3	0	4.8	18.39%
2		RHS	KMS	26.1	21.3	0	4.8	18.39%
3	Earthwork	LHS	KMS	26.1		19.8	6.3	24.14%
4		RHS	KMS	26.1		19.8	6.3	24.14%
5	Sub Grade	LHS	KMS	26.1		2.4	23.7	90.80%
6		RHS	KMS	26.1		2.4	23.7	90.80%
7	GSB	LHS	KMS	26.1			26.1	100.00%
8		RHS	KMS	26.1			26.1	100.00%
9	WMM	LHS	KMS	26.1			26.1	100.00%
10		RHS	KMS	26.1			26.1	100.00%
11	DBM	LHS	KMS	26.1			26.1	100.00%
12		RHS	KMS	26.1			26.1	100.00%
13	BC	LHS	KMS	26.1			26.1	100.00%
14		RHS	KMS	26.1			26.1	100.00%

Structure								
Sr no.	Work description	Side	Unit	Scope	Completed	In progress	Yet to start	% of Progress
1	Pipe culverts		Nos	58	17	21	20	65.52%
2	Box culverts		Nos	16	3	2	11	31.25%
3	Minor Bridges		Nos	19	4	15	0	100.00%
4	VUP		Nos	3	0	1	2	33.33%
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+180		1X6.0 M									
2	21+108		1X6.0 M									
3	21+283		1X6.0 M									
4	21+408		1X6.0 M									
5	21+610		1X6.0 M									
6	22+554		1X6.0 M	DONE	WIP	WIP	WIP	WIP				
7	25+973	25+992	1X6.0 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
8	26+612	26+612	1X6.0 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
9	26+794	26+804	1X6.0 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
10	31+005	31+005	1X6.0 M	DONE	DONE	DONE	WIP					
11	35+575		1X4.0 M									
12	39+070		1X6.0 M									
13	40+052		1X2.0 M									
14	41+923		1X2.0 M									
15	43+998		1X2.0 M									
16	44+191		1X2.0 M									
TOTAL SCOPE				16	16	16	16	16	16	16	16	16
WORK COMPLETED				5	4	4	3	3	3	3	3	3
BALANCE				11	12	12	13	13	13	13	13	13

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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					NA						
2	20+205	20+205	1.2					NA						
3	20+360	20+360	1.2			DONE		NA						
4	20+438	20+438	1.2											
5	20+468	20+468	1.2											
6	21+945	21+945	1.2			DONE	NA	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	NA	DONE					
10	22+339	22+339	1.2			DONE		DONE	WIP	WIP				
11	22+769	22+769	1.2			DONE								
12	22+807	22+802	1.2											
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	NA	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								
21	25+150	25+150	1.2					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	WIP					
29	28+581	28+579	1.2			DONE								
30	28+619	28+618	1.2											
31	29+476	29+476	1.2					NA						
32	30+097	30+093	1.2											
33	30+460	30+460	1.2					NA						
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											
39	32+059	32+059	1.2			DONE	DONE	NA	DONE	WIP				

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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					
41	32+178	32+178	1.2			DONE	NA	DONE	DONE					
42	32+228	32+228	1.2			DONE	NA	DONE	DONE					
43	32+291	32+291	1.2			DONE	DONE							
44	32+434	32+434	1.2			DONE	DONE	DONE						
45	33+439	33+439	1.2			DONE	NA	DONE						
46	33+600	33+600	1.2			DONE	NA	DONE						
47	34+062	34+062	1.2				NA							
48	34+352	34+352	1.2			DONE								
49	35+153	35+153	1.2			DONE	NA	DONE						
50	36+577	36+577	1.2											
51	37+014	37+014	1.2											
52	37+460	37+460	1.2			DONE		NA						
53	37+540	37+540	1.2					NA						
54	37+840	37+840	1.2			DONE		NA						
55	38+175	38+175	1.2											
56	38+750	38+750	1.2											
57	38+850	38+850	1.2											
58	39+219	39+219	1.2											
TOTAL SCOPE						58	58	58	58	58	58	58	58	58
WORK COMPLETED						38	10	22	23	18	18	18	18	17
BALANCE						20	48	36	35	40	40	40	40	41

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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	WIP	WIP	WIP
2	20+163	20+163	2X10 M	DONE	DONE	WIP						
3	20+820	20+816	2X10 M	WIP								
4	21+762	21+762	3X8 M	DONE	DONE	DONE	DONE	DONE	WIP	WIP	WIP	WIP
5	22+972	22+973	3X8 M	DONE	DONE	DONE						
6	24+090	23+974	3X8 M	DONE	DONE	WIP						
7	24+377	24+355	2X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
8	25+320	25+316	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	WIP	WIP	WIP
9	25+815	25+811	1X10 M	DONE	DONE	DONE	WIP					
10	26+487	26+480	3X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
11	27+042	27+040	2X8 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
12	27+741	27+736	3X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	WIP	WIP
13	28+122	28+122	2X10 M	DONE	DONE	WIP						
14	28+222	28+222	5X10 M	DONE	DONE	DONE	DONE	DONE	DONE	WIP	WIP	WIP
15	29+174	29+171	2X8 M	DONE	DONE	DONE	DONE	DONE	DONE	WIP	WIP	WIP
16	29+659	29+652	2X8 M	DONE	DONE	DONE	DONE	DONE	WIP	WIP	WIP	WIP
17	30+300	30+305	5X10 M	DONE	DONE	DONE	DONE	WIP	WIP	WIP	WIP	WIP
18	31+745	31+740	3X10 M	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE	DONE
19	33+033	33+033	3X35 M	WIP	WIP	WIP	WIP	WIP	WIP			
TOTAL SCOPE				19	19	19	19	19	19	19	19	19
WORK COMPLETED				17	17	14	12	11	9	5	4	4
BALANCE				2	2	5	7	8	10	14	15	15

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	WIP								
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		WIP	WIP			
5	39+493	39+500	12									
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				3	3	3	2	2	2	2	2	2
BALANCE				4	4	4	5	5	5	5	5	5

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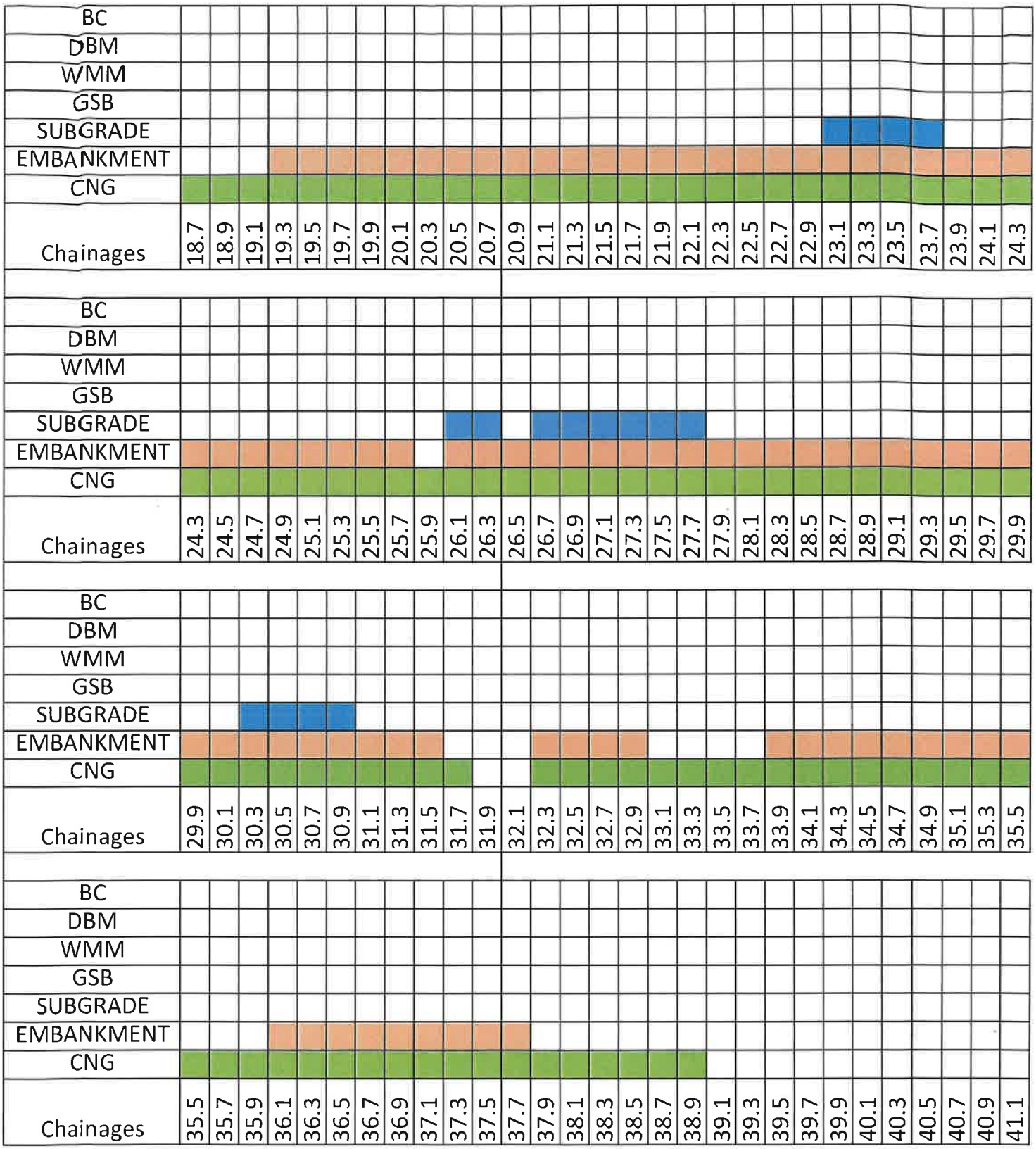
3.4 Strip chart of Earthwork



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			0	0	1	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	0	0	1
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						**12**	**11**	**3**	**1**
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

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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

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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			0	0	1	0
6	39+740	39+720	16			0	0	1	0
7	40+063	40+042	72.5			0	0	1	0
Total of GSS						**4**	**4**	**3**	**0**

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Critical issues and hindrance

5.1 Hindrance in the work

Sr.No	Location		Length	Remarks
	From	To		
1	29+380	29+460	80	Non payment issues
2	33+180	33+250	70	Non payment issues
3	33+980	34+220	240	Non payment issues
4	38+900	39+120	220	Non payment issues
5	39+480	39+650	170	Non payment issues
Total in Metre			**780**	

5.2 list of issues

Sr no	Work type	Location	Detail of issue	Remarks
1	Minor bridge	24+090	Payment issue	Site is handed over to Concessionaire but the payment is not received to the villagers that is why we are unable to start the work at this location
2	Minor bridge	25+815	Work Stopped due to demand of height increase of MNB by the villagers.	

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	Billing & Planning	Kamlesh Kumar Varma	DPM
3		Shivam Goswami	Jr Engineer
4		Soumitra Maity	Engineer
5		Shikhar Parihar	Jr Engineer
6	Structure	Pradeep Singh	Sr. Engineer
7		Binay kr Mishra	Engineer
8		Rohit Kumar	Engineer
9		Ankur kumar	Engineer
10		Lokesh Solanki	Engineer
11		Sonu Kumar	Engineer
12		Santosh Bharrdwaj	Jr.Engineer
13		Ankur Mall	Engineer
14		Saurabh Tiwari	Engineer
15		Avneesh Chaudhary	Engineer
16		Shubh Kumar	Jr. Engineer
17		Md. Hamid	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		Vikash	Supervisor
28		Nitin	Supervisor
29		Shivam Singh	Surveyor
30		Avanish Rai	Sr.Engineer

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Sr No	Departement	Name	Designation
31	Highway	Ravi Shankar	Engineer
32		Somnath Pahari	Engineer
33		Prakash Konai	Engineer
34		Jai Vardhan Tiwari	Engineer
35		Patel Komal Kumar	Engineer
36		Nishant Kumar Singh	Jr. Engineer
37		Naveen Shah	Jr. Engineer
38		Rohit Kumar Singh	Supervisor
39		Pramod Kumar	Engineer
40		Bijendra Kumar Singh	Supervisor
41		Yogendra Singh	Supervisor
42		Vishnu Singh	Jr.Engineer
43		Rahul Singh	Supervisor
44		Avad Kishor Jadon	Supervisor
45		Satendra Singh	Supervisor
46		Aman Singh	Supervisor
47		Kuldeep Singh	Supervisor
48		Bharat Kumar	Supervisor
49	Mechanical	Vinod Kumar Patel	Sr. Engineer
50		Arpit Sharma	Jr. Engineer
51		Vivek Kumar	Jr.Executive
52		Pradeep Pandey	Engineer (SAP)
53		Kuldeep Kumawat	Jr.Executive
54	HR	Ashutosh Upadhyay	Asst. Manager
55		Roshan Kumar	Executive
56	Liaison	RP Singh	Manager
57		Neeraj Singh Dhanik	Executive Admin
58	Account	Rahul Sharma	Executive
59		Patel Pratik Kumar	Jr.Executive
60	IT Executive	Gaurav Gupta	Sr. Engineer
61	SAFETY	Shubham Pandey	Executive
62	Store	Satyadhar Singh	Manager
63		Pawan kr. Sharam	Jr. Executive
64		Vipul Sharma	Jr. Executive
65		Ramnivash Dhakad	Supervisor
66		Dharmendra	officer
67		Manish Goirola	W/B Operator
68		Shivendra Yadav	Store Helper
69		Sachin Kumar	Store Helper
70		Udayveer Singh	Sr.Lab Technician
71		Sandeep Kumar	Lab Technician
72		Ramnivash Dhakad	Lab Technician

Sr No	Departement	Name	Designation
73	QA/QC Technician & Helper	Ravi Prakash Singh	Lab Technician
74		Santosh Baghel	Lab Technician
75		Arun Dhakad	Lab Technician
76		Aditya Dhakar	Lab Technician
77		Pushkar Singh	Lab Helper
78		Vishal Singh Rana	Lab Helper
79		Shekhar Singh	Lab Helper
80		Rohit Kumar	Lab Helper
81		Rohit Kumar	Lab Helper
82		Rohit Kumar Patel	Lab Helper
83		Mohit Kumar	Lab Helper
84		Sanjay Kumar	LMV Driver
85		Amit Anthwal	LMV Driver
86		Kuldeep Yadav	LMV Driver
87		Soban Singh	LMV Driver
88		Abhishek Tiwari	LMV Driver
89		Mayaram	LMV Driver
90		Pradeep Napit	LMV Driver
91		Ramakund Shukla	LMV Driver
92		Vinay Singh	LMV Driver
93		Awanish Yadav	LMV Driver
94		Govind Yadav	LMV Driver
95		Ambikesh Dwivedi	LMV Driver
96		Om Kumar	HMV Driver
97		Baldev Singh	HMV Driver
98		Samarpal	HMV Driver
99		Ashok Kumar	HMV Driver
100		Jeet Singh	HMV Driver
101		Babloo Singh	HMV Driver
102		Raj Pal Saini	HMV Driver
103		Jitendra Rai	HMV Driver
104		Gorelal Kol	HMV Driver
105		Rohit Yadav	HMV Driver
106		Rampravesh Singh	HMV Driver
107		Satendra Kumar	HMV Driver
108		Tersem Lal	HMV Driver
109		Pramod Yadav	HMV Driver
110		Nikhil Singh	HMV Driver
111		Sanjay Singh	HMV Driver
112		Rajveer Singh	HMV Driver
113		Raghuveer Singh	HMV Driver

Sr No	Departement	Name	Designation
114		Zaheer Ansari	HMV Driver
115		Md.Sajjad Ansari	HMV Driver
116		Madhuraj Singh	HMV Driver
117		Ram Swaroop	HMV Driver
118		Jai Prakash	HMV Driver
119		Raghubir Singh	HMV Driver
120		Manish Kumar	HMV Driver
121		Asharam	TM Driver
122		Padam Singh	TM Driver
123		Shankar Yadav	TM Driver
124		Lalit Singh	TM Driver
125		Dharmendra Singh	TM Driver
126		Ranjeet Singh Rawat	TM Driver
127		Beerendra Singh	TM Driver
128		Mukesh Rawat	TM Driver
129		Baleshwar Tiwari	TM Driver
130		Sandeep Singh	TM Driver
131		Mahendra Pratad	TM Driver
132		Rajesh Kumar	TM Driver
133		Md. Ashfak	TM Driver
134		Sanjay Paswan	TM Driver
135		Surendra Yadav	Trailer Driver
136		Vishnu Yadav	Boom Placer opt
137		Raj kumar	Boom Placer opt
138		Virender Kumar Patel	Excavator Operator
139		Jagdish Singh	Excavator Operator
140		Vipin Kumar	Excavator Operator
141		Ramesh Kumar	Excavator Operator
142		Md. Afroz	Excavator Operator
143	Other	Sham Singh	Excavator Operator
144		Tejpal Singh	Excavator Operator
145		Pushkar Singh	Excavator Operator
146		Manish Kumar	Excavator Operator
147		Shivam Singh	Excavator Operator
148		Mosin	Excavator Operator
149		Ajay Kumar Patel	Excavator Operator
150		Nandlal Patel	Excavator Operator
151		Rahul Jaysawal	Excavator Operator

Sr No	Departement	Name	Designation
152		Sunil Kumar Rawat	Grader Operator
153		Ram Krishna Patel	Grader Operator
154		Puneet Kumar	Grader Operator
155		Vikash Babu	Roller opt
156		Vijay Patel	Roller opt
157		Nichka Sahu	Roller Opt
158		Shiromani Singh	Excavator Operator
159		Shelendra Singh	Roller opt
160		Dharamveer	Roller opt
161		Hemlal Patel	JCB Operator
162		Dhanraj Prasad Tiwary	JCB Operator
163		MD.Mustakim Ahmad	JCB Operator
164		Sanjay Kumar Patel	JCB Operator
165		Suneel Kumar Patel	JCB Operator
166		Babloo Kushwah	JCB Operator
167		Om Prakash Pandit	Wheel Loader Opt
168		Vinod Kr Gupta	Auto Electrician
169		Premjeet Pandit	Electrician
170		Pramod Kumar	Sr. Mechanic
171		Gaurav Rathaur	Asst. Mechanic
172		Shalendra Pandey	Asst.Mechanic
173		Lalit Yadav	Hydra Operator
174		Narendra Vishwakarma	Kamani Fitter
175		Ankit Sharma	RMC Operator
176		Rahul Kumar Singh	RMC Plant Operator
177		Vishwajeet Kumar Singh	RMC Plant Operator
178		Tapesh Chandra	Tyre Fitter
179		Rajgir Kumar	Tyre Fitter
180		Rajpal	Welder
181		Rajesh Kumar	Workshop Helper
182		Arjun	Workshop Helper
183		Lavakush Kr Gautam	Workshop Helper
184		Deepak Kumar	Workshop Helper
185		Suraj Yadav	Workshop Helper
186		Rammurti	Welder Helper
187		Rohit Pal	RMC Plant Helper
188		Kamal Singh	RMC Plant Helper
189		Rampravesh Gauram	RMC Plant Helper

Sr No	Departement	Name	Designation
190		Durgesh	Excavator Helper
191		Sunil Paswan	Tyre Fitter Helper
192		Ankit Kumar	Plant Helper
193		Raj Bahadur	Workshop Helper
194		Pravin Prasad	Workshop Helper
195		Nitin Kumar	Office Boy
196		Subash Kumar	Helper
197		Bachcha Singh	Office Boy
198		Shivam	Sweeper
199		Bhaskar Kumar	Crusher Supervisor
200		Manmandr Pal	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.	61
3	Backhoe Loader	Nos.	9
4	Wheel Loader	Nos.	2
5	Motor Grader	Nos.	6
6	Crane /Hydra	Nos.	2
7	Dozer	Nos.	2
8	Baby Roller	Nos.	1
9	Soil Compactor	Nos.	8
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	Crusher Plant	Nos.	1
16	Concrete Batching Plant (45 Cum)	Nos.	1
17	Venus Mobile Concrete Batching Plant (18 Cum)	Nos.	1
18	Screening Plant	Nos.	1
19	RE Block Plant	Nos.	1
20	DG Sets	Nos.	21
21	Diesel Tanker	Nos.	3
22	Bike	Nos.	6
23	LMV	Nos.	11
24	Compressor	Nos.	1
25	Boom Placer	Nos.	1
26	Silo 150 MT	Nos.	3
27	Concrete Bucket (0.5 cum)	Nos.	1
28	Mud Pump 25HP	Nos.	2
29	Fork Lift	Nos.	1
		Total	**191**

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	

Sr no	Description	Nos	Remarks
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	

Sr no	Description	Nos	Remarks
34	Tray for 200 mm dia	2	
35	Calibrating Container 200 mm dia	2	
36	Rapid moisture meters	5	
37	Calcium Carbide 500 gm pkt	10	
B. List of Lab Equipment for concrete Laboratory (Structural concrete,DLC,PQC)			
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	

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Sr no	Description	Nos	Remarks
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- **2000 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	

Sr no	Description	Nos	Remarks
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.	1	
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	

Sr no	Description	Nos	Remarks
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	

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Sr no	Description	Nos	Remarks
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) , 0.01	2	
113	Measuring cylinder of 1000ml capacity(Plastic)	2	
114	Measuring cylinder of 500ml capacity(Plastic)	2	
115	Hydrometer (0.8 to 0.9)	3	
116	Rain gauge -	1	
117	Digital Thermometer (0 to 250° C) - Pen type	5	
118	Iron hammer	4	

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Sr no	Description	Nos	Remarks
119	Lab Programme display board (white boar	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	

Quality control test conducted summary

7.1

Quality control test conducted summary

SLNo	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	0	76	76	0	0	0	0	76	76	0	0	19	19	
ii)	Atterberg Limits (LL & PL)	2 tests for 3000 cu.m of soil	IS 2720 Part-5	0	76	76	0	0	0	0	76	76	0	0	19	19	
iii)	Proctor Test(MDD & OMC)	2 tests for 3000 cu.m of soil	IS 2720 Part-8	0	76	76	0	0	0	0	76	76	0	0	19	19	
iv)	Free Swell Index (FSI)	2 tests for 3000 cu.m of soil	IS 2720 Part-40	0	76	76	0	0	0	0	76	76	0	0	19	19	
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	51	216	216	0	51	51	0	267	267	0	30	125	155	
ii)	Atterberg Limits (LL & PL)	2 tests for 3000 cu.m of soil	IS 2720 Part-5	51	216	216	0	51	51	0	267	267	0	30	125	155	
iii)	Proctor Test(MDD & OMC)	2 tests for 3000 cu.m of soil	IS 2720 Part-8	51	216	216	0	51	51	0	267	267	0	30	125	155	
iv)	Free Swell Index (FSI)	2 tests for 3000 cu.m of soil	IS 2720 Part-40	51	216	216	0	51	51	0	267	216	0	30	125	155	
v)	CBR Test for SG	1 test for 3000 m^3	AASHTO T 193	26	30	30	0	26	26	0	56	56	0	11	14	25	
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	300	1154	1081	73	300	263	37	1454	1344	110	158	647	805	
ii)	Compaction Control for Embankment	1 Test/3000 m2	IS 2720 Part-28	4038	2920	2590	330	4038	3768	270	6958	6358	600	1867	548	2415	
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	

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	
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 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	

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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	
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	
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	

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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	
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	
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	
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	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	
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	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	

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					Conducted	Pass	Fail	Conducted	Pass	Fail	Conducted	Pass	Fail	During month	Upto last month	To date	
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	4	25	25	0	4	4	0	29	29	0	2	11	13	
ii)	Initial setting time & final setting time	for Every Batch/Lot	IS 4301 Part-5	4	25	25	0	4	4	0	29	29	0	2	9	11	
iii)	Fineness	for Every Batch/Lot	IS 4301 Part-1	4	25	25	0	4	4	0	29	29	0	2	9	11	
iv)	Compressive strength (3 Days)	for Every Batch/Lot	IS 4301 Part-6	5	45	45	0	5	5	0	50	50	0	3	6	9	
v)	Compressive strength (7 Days)	for Every Batch/Lot	IS 4301 Part-6	5	50	50	0	5	5	0	55	55	0	3	7	10	
vi)	Compressive strength (28 Days)	for Every Batch/Lot	IS 4301 Part-6	5	44	44	0	5	5	0	49	49	0	3	5	8	
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	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	177	177	0	31	31	0	208	208	0	12	76	88	
ii)	Gradation Test for Fine Aggregate	1 Test / day	IS 383	4	155	155	0	4	4	0	159	159	0	2	63	65	
iii)	Flakiness Index	1 Test / day	IS 2386 Part-1	4	33	33	0	4	4	0	37	37	0	2	11	13	
iv)	Aggregate Impact Value/Los Angles Abrasion Value	1 Test / day	IS 2386 Part-4	4	33	33	0	4	4	0	37	37	0	2	12	14	
v)	Soundness Test	Source Approval/when required	IS 2386 Part-5	0	1	1	0	0	0	0	0	1	0	0	0	0	
6	Concrete Compressive strength (7 Days) m^3		IS 516	218	435	435	0	218	218	0	653	653	0	56	170	226	
7	Concrete Compressive strength (28 Days) m^3		IS 516	272	941	941	0	272	272	0	1213	1213	0	60	127	187	

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	Total	
P	Calibration																
i)	Concrete Batching Plant (CP-0.5) RE Block	One test for every year	-	1	1	1	0	1	1	0	1	1	0	1	0	1	
ii)	Concrete Batching Plant (CP-45)	One test for every year	-	1	2	2	0	1	1	0	3	3	0	1	3	4	
iii)	Sand pouring cylinder 150mm dia.	One test for every month	IS 2720 Part-28	1	7	7	0	1	1	0	8	8	0	1	3	4	
iv)	Sand pouring cylinder 200mm dia.	One test for every month	IS 2720 Part-28	1	7	7	0	1	1	0	8	8	0	1	3	4	
v)	Sand pouring cylinder 100mm dia.	One test for every month	IS 2720 Part-28	1	4	4	0	1	1	0	5	5	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	
	Total			5133	7303	6900	403	5133	4826	307	12434	11674	710	2310	2314	4624	

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Correspondence

8.1

Summary of correspondence letters

Sr. No	letter No	Subject	To	From	Date	Remarks
1	MKCIL/GNR/UK_PSB_PKG-2/291	Reg - Submission of test report of additional quantity of Borrow area - 11.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	02.10.2023	
2	MKCIL/GNR/UK_PSB_PKG-2/293	Reg - Submission of drawing of spherical bearing of Major bridge at Ch-33+033.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	03.10.2023	
3	MKCIL/GNR/UK_PSB_PKG-2/294	Reg - Submission of test report of additional quantity of Borrow area - 11.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	03.10.2023	
4	MKCIL/GNR/UK_PSB_PKG-2/295	Reg - Shifting of obstruction utilities which is not included in the schedule.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	04.10.2023	
5	MKCIL/GNR/UK_PSB_PKG-2/296	Reg. Observation on Interim payment certificate-02	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	04.10.2023	
6	MKCIL/GNR/UK_PSB_PKG-2/297	Request for modification in Schedule G.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	05.10.2023	
7	MKCIL/GNR/UK_PSB_PKG-2/298	Reg - Submission of Interim payment certificate-02.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	05.10.2023	
8	MKCIL/GNR/UK_PSB_PKG-2/299	Reg - Third Party test of RBM sample as mentioned in the sample card	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	05.10.2023	
9	MKCIL/GNR/UK_PSB_PKG-2/300	Reg - Submission of Revised drawing of Hume pipe culverts.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	05.10.2023	
10	MKCIL/GNR/UK_PSB_PKG-2/301	Reg - Obstruction of work in Between chainage - 39+000 to 39+650 km.	NHAI	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	07.10.2023	
11	MKCIL/GNR/UK_PSB_PKG-2/302	Reg - Submission of Work programme.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	07.10.2023	
12	MKCIL/GNR/UK_PSB_PKG-2/303	Reg - Submission of Monthly Progress Report for the month of September.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	07.10.2023	
13	MKCIL/GNR/UK_PSB_PKG-2/304	Reg - Demand of LVUP/MNB from villagers and gram pradhans.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	09.10.2023	
14	MKCIL/GNR/UK_PSB_PKG-2/305	Reg - Submission of source approval of amba shakti industries Ltd.TMT Steel.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	09.10.2023	
15	MKCIL/GNR/UK_PSB_PKG-2/306	Change in law due to change in rates of royalty as per clause 42.1.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	09.10.2023	
16	MKCIL/GNR/UK_PSB_PKG-2/308	Reg - Relaxation in Sch-G for Pre-Cast Items.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	12.10.2023	
17	MKCIL/GNR/UK_PSB_PKG-2/309	Site Inspection Report held on 29.08.2023 by Project director, PIU Vasant Vihar.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	16.10.2023	
18	MKCIL/GNR/UK_PSB_PKG-2/310	Submission of test Report of additional quality of borrow area-10.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	16.10.2023	
19	MKCIL/GNR/UK_PSB_PKG-2/311	Observation on Work Programme.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	16.10.2023	
20	MKCIL/GNR/UK_PSB_PKG-2/312	Non-Conformance Report (NCR-07).	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	16.10.2023	
21	MKCIL/GNR/UK_PSB_PKG-2/313	Laying of utility duct.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	16.10.2023	
22	MKCIL/GNR/UK_PSB_PKG-2/315	Source approval of 20MM, 10MM, 6MM & Sand of MKC Crusher Jassowalla.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.10.2023	

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Sr. No	letter No	Subject	To	From	Date	Remarks
23	MKCIL/GNR/UK_PSB_PKG-2/316	Submission of borrow area (16 & 17) test reports.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.10.2023	
24	MKCIL/GNR/UK_PSB_PKG-2/317	Submission of drone videography & ortho images for the month of october 2023 as per article 13.6.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	19.10.2023	
25	MKCIL/GNR/UK_PSB_PKG-2/318	Submission of test report of sand & dust for RE Wall Backfilling.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	19.10.2023	
26	MKCIL/GNR/UK_PSB_PKG-2/319	Source approval for Bitumen of Hexatron Bitumen Industries Limited.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	19.10.2023	
27	MKCIL/GNR/UK_PSB_PKG-2/320	Submission of IPC-02 of MPC-02.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.10.2023	
28	MKCIL/GNR/UK_PSB_PKG-2/321	Location of Bus bays and Bus Shelters.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.10.2023	
29	MKCIL/GNR/UK_PSB_PKG-2/322	Electric utility / crossing other than schedule-B	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.10.2023	
30	MKCIL/GNR/UK_PSB_PKG-2/323	Location of Bus bays and Bus Shelters.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.10.2023	
31	MKCIL/GNR/UK_PSB_PKG-2/325	Submission of Company Profile & credential of bharatbuild conchem solutions for the source approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	23.10.2023	
32	MKCIL/GNR/UK_PSB_PKG-2/326	Submission of company profile & credentials of super smelters ltd. for the source approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	23.10.2023	
33	MKCIL/GNR/UK_PSB_PKG-2/327	Submission of company profile & credentials of Silkon additives india private limited for the source approval of admixture.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	25.10.2023	
34	MKCIL/GNR/UK_PSB_PKG-2/328	A Joint visit/Meeting to resolve local issues and public grievances	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	25.10.2023	
35	MKCIL/GNR/UK_PSB_PKG-2/329	Shifting of Box culvert of chainage - 31+005 & 35+575	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	28.10.2023	
36	MKCIL/GNR/UK_PSB_PKG-2/330	Submission of test report of borrow area-19	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	28.10.2023	
37	MKCIL/GNR/UK_PSB_PKG-2/331	Submission of Work done certificate of HT and LT line shifting of Vikasnagar division.	PIU/NHAI	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	30.10.2023	
38	MKCIL/GNR/UK_PSB_PKG-2/332	Submission of revised Drawings of Spherical bearing of Major Bridge at Ch- 33+033.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	30.10.2023	
39	MKCIL/GNR/UK_PSB_PKG-2/333	Source approval for Bitumen of Hexatron Bitumen Industries Limited.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	30.10.2023	

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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	01-10-2023	38.3	26.1	48	30	Sunny	0	1738.3	Cum. Rain Fall Up To Previous Month
2	02-10-2023	35.6	22.5	45	28	Sunny	0	1738.3	
3	03-10-2023	35.6	23.5	47	29	Sunny	0	1738.3	
4	04-10-2023	36	23.3	48	29	Sunny	0	1738.3	
5	05-10-2023	35.7	23.9	48	30	Sunny	0	1738.3	
6	06-10-2023	35.5	24.3	48	30	Sunny	0	1738.3	
7	07-10-2023	35.8	23.2	51	30	Sunny	0	1738.3	
8	08-10-2023	35.5	23.2	51	30	Sunny	0	1738.3	
9	09-10-2023	35.5	24.2	45	29	Sunny	0	1738.3	
10	10-10-2023	35.2	24.9	46	29	Sunny	0	1738.3	
11	11-10-2023	35.7	24.1	45	29	Sunny	0	1738.3	
12	12-10-2023	34	21	50	30	Sunny	0	1738.3	
13	13-10-2023	33.5	21.1	52	31	Sunny	0	1738.3	
14	14-10-2023	33.7	21.5	52	31	Sunny	0	1738.3	
15	15-10-2023	33.4	21.2	47	30	Sunny	0	1738.3	
16	16-10-2023	22.1	19.3	52	43	Rainy	16.9	1755.2	
17	17-10-2023	30.7	17.9	50	31	Sunny	0	1755.2	
18	18-10-2023	31.2	17.7	49	30	Sunny	0	1755.2	
19	19-10-2023	31.3	17.7	50	30	Sunny	0	1755.2	
20	20-10-2023	31.8	17.5	48	30	Sunny	0	1755.2	
21	21-10-2023	31.5	17.4	47	30	Sunny	0	1755.2	
22	22-10-2023	31.7	17.7	48	31	Sunny	0	1755.2	
23	23-10-2023	31.7	17.8	51	30	Sunny	0	1755.2	
24	24-10-2023	31.3	17.5	47	30	Sunny	0	1755.2	
25	25-10-2023	31.9	17.5	47	30	Sunny	0	1755.2	
26	26-10-2023	31.8	17.3	47	30	Sunny	0	1755.2	
27	27-10-2023	30.9	18	50	31	Sunny	0	1755.2	
28	28-10-2023	30.6	19.1	48	32	Sunny	0	1755.2	
29	29-10-2023	30.6	19.1	50	32	Sunny	0	1755.2	
30	30-10-2023	30.8	18.3	51	32	Sunny	0	1755.2	
31	31-10-2023	30.8	17.6	52	31	Sunny	0	1755.2	

Site visit and meetings

10.1 Details of site visit and meetings

Sr. No	Date	Meeting & Visit
1	27.10.2023	Project review meeting at RO Office
2	31.10.2023	Site Visit of PD Sir & IE Staff

Site photographs

11.1 Site photographs

Concrete Cube Compressive Strength Testing at Lab

Water Spreading on Emb Bed at Ch. 19+700

EMB Rolling Work in Progress at Ch. 19+800

MNB Slab Shuttering Work in Progress at Ch. 30+300

Retaining Wall Raft Concreting Work in Progress at Ch. 30+110

MNB Wall Concrete Pouring Work in Progress at Ch. 29+659

Drain Wall Curing work in Progress at Ch. 35+750

Toe Wall Concreting Work in Progress at Ch. 29+900

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Girder Reinforcement & Profile Checking of MJB at Ch. 33+033

Toe Wall Curing Work in Progress at Ch. 30+030

Site Visite of PD Sir & IE Staff

Site Visite of TL Sir & IE Staff

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Patch Work is Going on

Patch Work is Going on

MKC POOJA SAHEB DEHRADUN KEDARNATH HIGHWAYS PVT. LTD. Authorised Signatory

Thanks