MONTHLY PROGRESS REPORT OF NOVEMBER-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.

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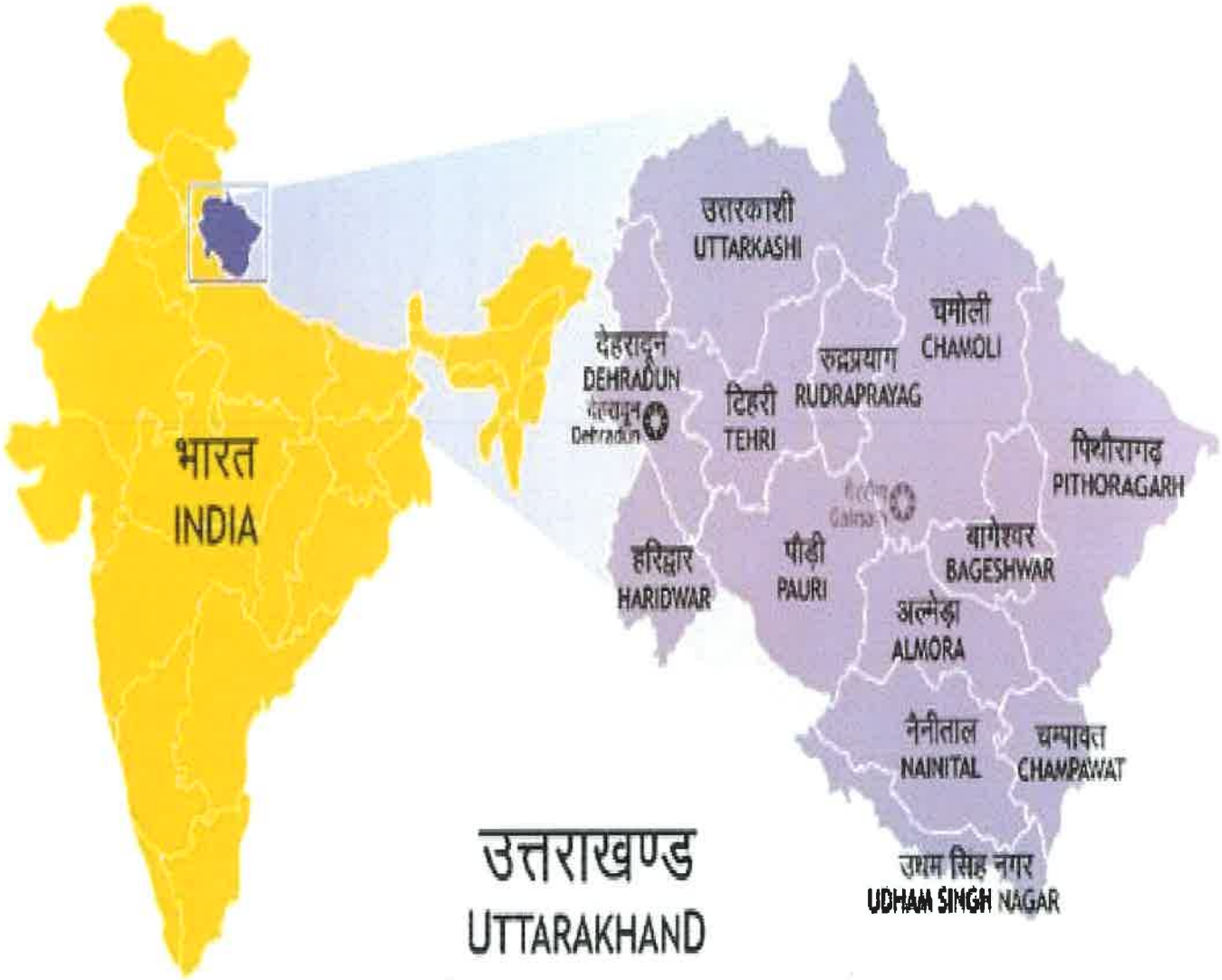
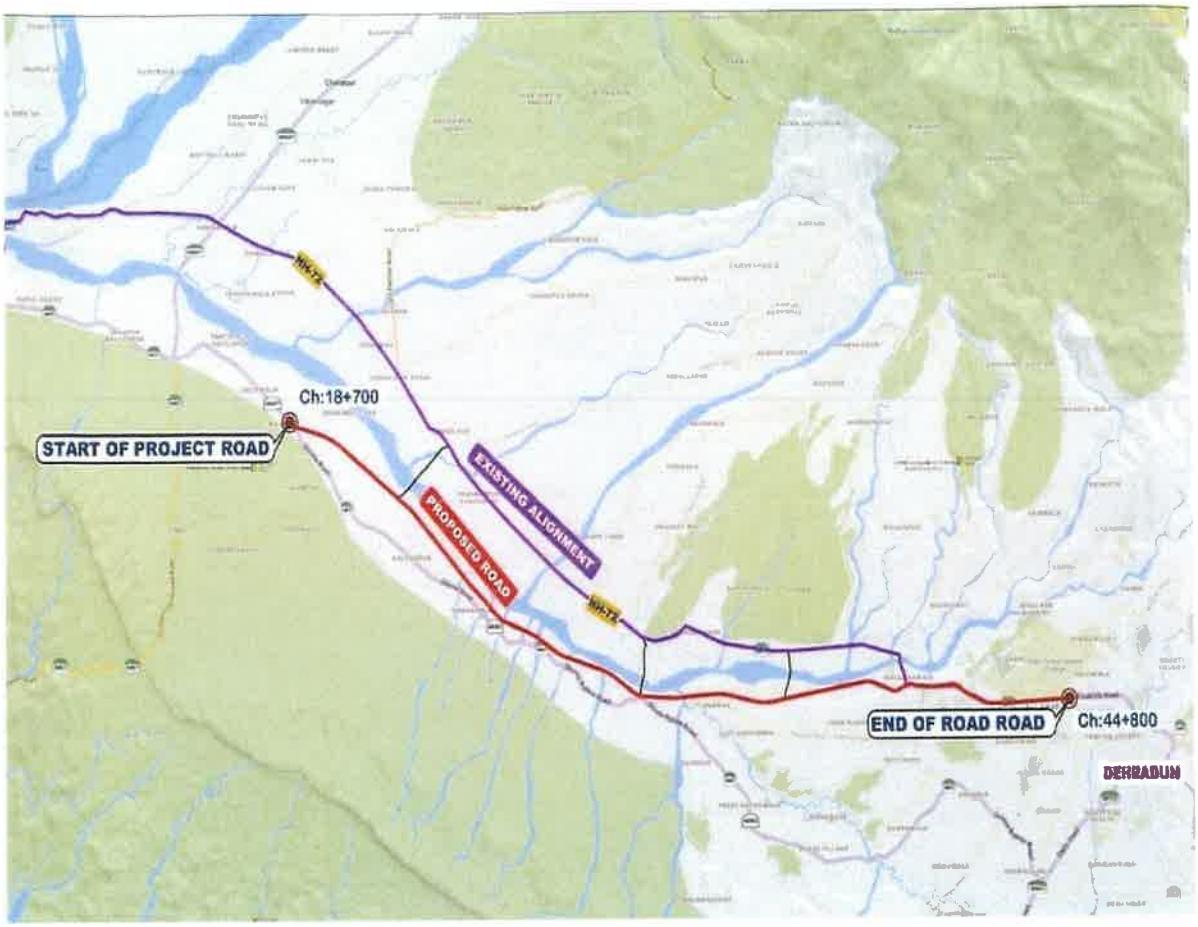
Maps Showing project Location

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		

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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%	1.2	0.08%
	(2) Granular work (Sub-base,						
	(a) CTSB/GSB	Km	4.50	21553385.78	0.42%	1.2	0.11%
	(b) WMM	Km	4.50	41505832.80	0.80%	1.2	0.21%
	(3) Shoulders	Km	9.00	2971864.40	0.06%	2.4	0.02%
	(4) Bituminous Work						
	(a) DBM	Km	4.50	23207725.35	0.45%	1.2	0.12%
	(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%	12	4.50%
	(2) Granular work (Sub-base,						
	(a) CTSB / GSB	Km	41.56	219083230.31	4.24%	6	0.61%
	(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%	23	0.94%
	2) Minor Bridge				0.00%		
	a) Foundation	No.	19.00	267262947.46	5.17%	15	4.08%
	b) Sub-Structure	No.	19.00	233855079.03	4.53%	12	2.86%
	c) Super-Structure (including Crash	No.	19.00	167039342.17	3.23%	8	1.36%
	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%		

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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 %
	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%		
	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%	1.2	0.16%
	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%	1.5	0.40%
	(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%**		**20.83%**

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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 %
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%			
TOTAL		107.60	20.83%				

* 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	21.4	0	4.7	18.01%
2		RHS	KMS	26.1	21.4	0	4.7	18.01%
3	Earthwork	LHS	KMS	26.1	1.2	20.4	4.5	17.24%
4		RHS	KMS	26.1	1.2	20.4	4.5	17.24%
5	Sub Grade	LHS	KMS	26.1	1.2	6	18.9	72.41%
6		RHS	KMS	26.1	1.2	6	18.9	72.41%
7	GSB	LHS	KMS	26.1	1.2	3	21.9	83.91%
8		RHS	KMS	26.1	1.2	3	21.9	83.91%
9	WMM	LHS	KMS	26.1	1.2		24.9	95.40%
10		RHS	KMS	26.1	1.2		24.9	95.40%
11	DBM	LHS	KMS	26.1	1.2		24.9	95.40%
12		RHS	KMS	26.1	1.2		24.9	95.40%
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	20	18	20	65.52%
2	Box culverts		Nos	16	3	2	11	31.25%
3	Minor Bridges		Nos	19	8	9	2	89.47%
4	VUP		Nos	3	0	2	1	66.67%
5	LVUP		Nos	3	2	0	1	66.67%
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	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										

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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
39	32+059	32+059	1.2			DONE	DONE	NA	DONE	DONE	DONE	DONE	DONE	DONE
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	DONE	DONE	DONE	DONE	DONE	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	20	38	58	58	58	58	58	58
WORK COMPLETED						38	10	22	24	20	20	20	20	20
BALANCE						20	10	16	34	38	38	38	38	38

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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	DONE	DONE	DONE
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	DONE	DONE	DONE	DONE
5	22+972	22+973	3X8 M	DONE	DONE	DONE	DONE	DONE				
6	24+090	23+974	3X8 M	DONE	DONE	DONE	DONE	WIP	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	DONE	DONE	DONE
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	DONE	DONE
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						
TOTAL SCOPE				19	19	19	19	19	19	19	19	19
WORK COMPLETED				17	17	15	14	12	10	8	8	8
BALANCE				2	2	4	5	7	9	11	11	11

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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	WIP	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	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	3	3	2	2	2	2
BALANCE				4	4	4	4	4	5	5	5	5

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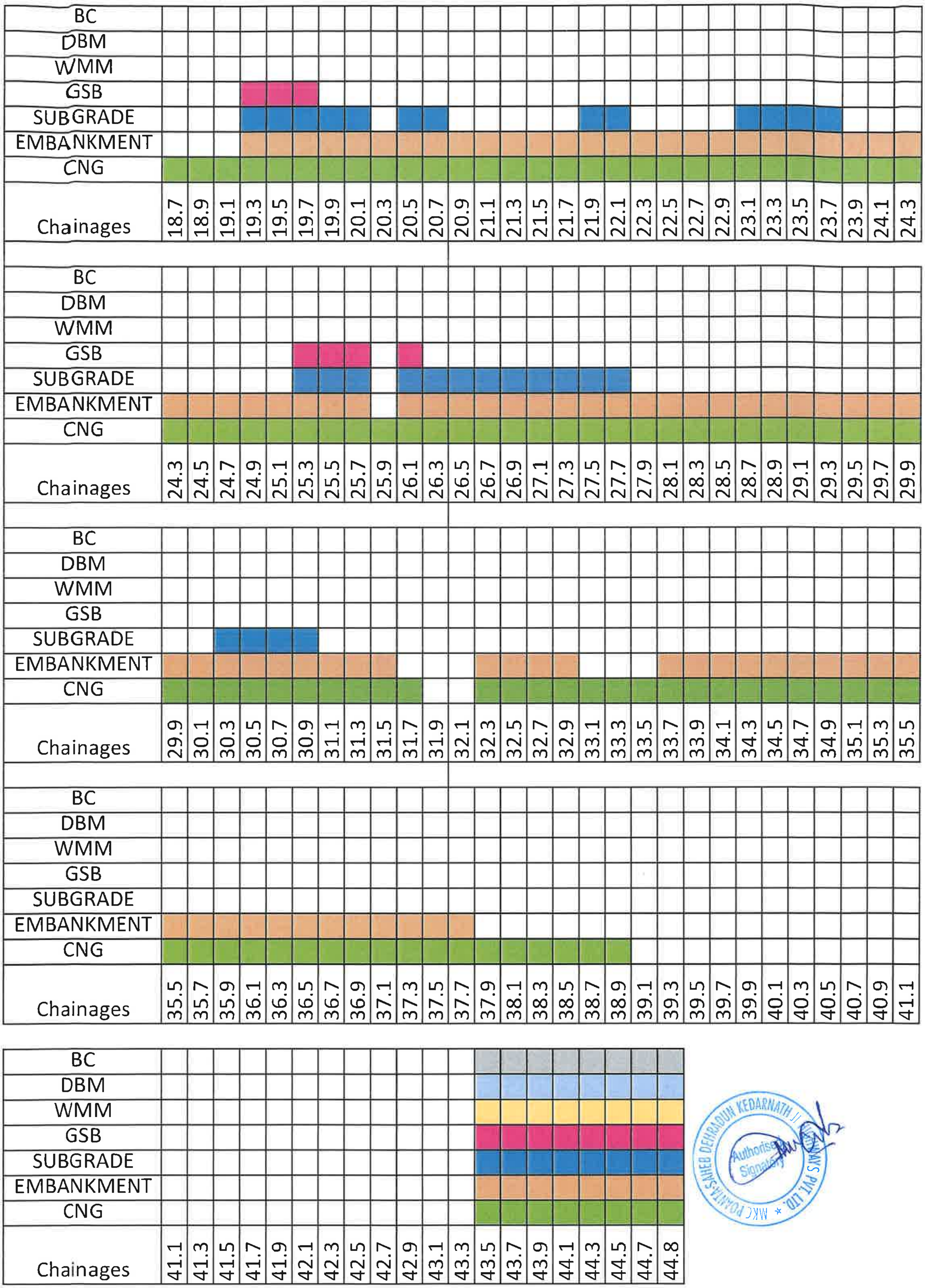
3.4 Strip chart of Earthwork



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	

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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

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Sr no	Schedule Chainage	Design Chainage	Size	GAD	RD	Submitted	Approved	Pending for submission	Pending for approval
18	24+511	24+507	1.2			1	1	0	0
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

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Sr no	Schedule Chainage	Design Chainage	Size	GAD	RD	Submitted	Approved	Pending for submission	Pending for approval
55	38+175	38+175	1.2			1	1	0	0
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	39+000	39+120	120	Non payment issues
Total in Metre			200	

5.2 list of issues

Sr no	Work type	Location	Detail of issue	Remarks
1	Minor bridge	39+000 to 39+120	Payment issue	Site is not handed over to Concessionaire

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	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		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		Md. Hamid	Engineer
19		Rishikesh	Engineer
20		Satyam	Engineer
21		Sanju	Engineer
22		Bhabesh	Engineer
23	QA/QC	Sudhanshu Kumar	Jr. Engineer
24		Rijayant Saini	Jr. Engineer
25	Survey	Ashok Kumar Sharma	Dy.Manager
26		Manish Kumar	Engineer
27		Sandeep	Surveyor
28		Shivjeet Singh	Surveyor
29		Satya Singh	Surveyor

Sr No	Departement	Name	Designation
30		Vikash	Supervisor
31		Nitin	Supervisor
32		Shivam Singh	Surveyor
33	Highway	Avanish Rai	Sr.Engineer
34		Prakash Konai	Engineer
35		Jai Vardhan Tiwari	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	Munna Singh	Asst.Manager
50		Arpit Sharma	Engineer
51		Vivek Kumar	Jr.Executive
52		Kuldeep Kumawat	Jr.Executive
53		Chandan Kumar	Supervisor
54		Surendra Gupta	Supervisor
55		Akhand Pratap Singh	Engineer
56	HR	Ashutosh Upadhyay	Asst. Manager
57		Roshan Kumar	Executive
58	Liaison	Ravi Shankar	Manager
59	Account	Rahul Sharma	Executive
60		Patel Pratik Kumar	Jr.Executive
61	IT Executive	Gaurav Gupta	Sr. Engineer
62	SAFETY	Shubham Pandey	Executive
63	Store	Satyadhar Singh	Manager
64		Balmukund Singh	Executive
65		Pawan kr. Sharam	Jr. Executive
66		Vipul Sharma	Jr. Executive
67		Ramnivash Dhakad	Supervisor
68		Dharmendra	officer
69		Bhaskar Kumar	Crusher Supervisor
70		Manish Goirola	W/B Operator

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Sr No	Departement	Name	Designation
71	QA/QC Technician & Helper	Udayveer Singh	Sr.Lab Technician
72		Sandeep Kumar	Lab Technician
73		Ramnivash Dhakad	Lab Technician
74		Ravi Prakash Singh	Lab Technician
75		Santosh Baghel	Lab Technician
76		Arun Dhakad	Lab Technician
77		Aditya Dhakar	Lab Technician
78		Vishal Singh Rana	Lab Helper
79		Rohit Kumar	Lab Helper
80		Rohit Kumar Patel	Lab Helper
81		Mohit Kumar	Lab Helper
82		Mukul Kumar	Lab Helper
83		Chandan Sharma	Lab Helper
84		Sanjay Kumar	LMV Driver
85		Kuldeep Yadav	LMV Driver
86		Soban Singh	LMV Driver
87		Abhishek Tiwari	LMV Driver
88		Pradeep Napit	LMV Driver
89		Ramakund Shukla	LMV Driver
90		Vinay Singh	LMV Driver
91		Awanish Yadav	LMV Driver
92		Govind Yadav	LMV Driver
93		Ambikesh Dwivedi	LMV Driver
94		Om Kumar	HMV Driver
95		Samarpal	HMV Driver
96		Ashok Kumar	HMV Driver
97		Jeet Singh	HMV Driver
98		Jitendra Rai	HMV Driver
99		Gorelal Kol	HMV Driver
100		Rampravesh Singh	HMV Driver
101		Tersem Lal	HMV Driver
102		Pramod Yadav	HMV Driver
103		Nikhil Singh	HMV Driver
104		Rajveer Singh	HMV Driver
105		Zaheer Ansari	HMV Driver
106		Md.Sajjad Ansari	HMV Driver
107		Madhuraj Singh	HMV Driver
108		Ram Swaroop	HMV Driver
109		Jai Prakash	HMV Driver
110		Raghubir Singh	HMV Driver
111		Manish Kumar	HMV Driver

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Sr No	Departement	Name	Designation
112		Pappu Gupta	HMV Driver
113		Brajesh Kumar	HMV Driver
114		Suneel Kumar Yadav	HMV Driver
115		Narsingh Shukla	HMV Driver
116		Krishna Rajbhar	HMV Driver
117		Vijay Kumar	HMV Driver
118		Abhishek	HMV Driver
119		Kuldeep Singh	HMV Driver
120		Savan Baral	HMV Driver
121		Mahipal	HMV Driver
122		Surendra Singh	HMV Driver
123		Narendra Babu	HMV Driver
124		Khajan Singh	HMV Driver
125		Rajesh Yadav	HMV Driver
126		Jagmal Singh	HMV Driver
127		Devendra Singh	HMV Driver
128		Asharam	TM Driver
129		Padam Singh	TM Driver
130		Shankar Yadav	TM Driver
131		Lalit Singh	TM Driver
132		Dharmendra Singh	TM Driver
133		Ranjeet Singh Rawat	TM Driver
134		Beerendra Singh	TM Driver
135		Mukesh Rawat	TM Driver
136		Sandeep Singh	TM Driver
137		Mahendra Pratad	TM Driver
138		Rajesh Kumar	TM Driver
139		Md. Ashfak	TM Driver
140		Sanjay Paswan	TM Driver
141		Amresh Singh	TM Driver
142		Surendra Yadav	Trailer Driver
143		Vishnu Yadav	Boom Placer opt
144		Raj kumar	Boom Placer opt
145		Virender Kumar Patel	Excavator Operator
146		Jagdish Singh	Excavator Operator
147		Vipin Kumar	Excavator Operator
148		Ramesh Kumar	Excavator Operator
149		Md. Afroz	Excavator Operator

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Sr No	Departement	Name	Designation
150	Other	Sham Singh	Excavator Operator
151		Pushkar Singh	Excavator Operator
152		Pratimesh Kushwaha	Excavator Operator
153		Mosin	Excavator Operator
154		Nandlal Patel	Excavator Operator
155		Ajay Kumar Patel	Excavator Operator
156		Pravesh Kumar	Excavator Operator
157		Sunil Kumar Rawat	Grader Operator
158		Ram Krishna Patel	Grader Operator
159		Puneet Kumar	Grader Operator
160		Deepak Kumar	Grader Operator
161		Vikash Babu	Roller opt
162		Vijay Patel	Roller opt
163		Shiromani Singh	Roller opt
164		Dharamveer	Roller opt
165		Yogendra Kumar Singh	Roller opt
166		Chandrapal Singh	Roller opt
167		Kamal Kishor Singh	Roller opt
168		MD.Mustakim Ahmad	JCB Operator
169		Sanjay Kumar Patel	JCB Operator
170		Sukhdev Kumar	JCB Operator
171		Babloo Kushwah	JCB Operator
172		Om Prakash Pandit	Wheel Loader Opt
173		Vinod Kr Gupta	Auto Electrician
174		Dharmendra Kumar	Auto Electrician
175		Premjeet Pandit	Electrician
176		Pappu	Electrician
177		Pramod Kumar	Sr. Mechanic
178		Gaurav Rathaur	Asst. Mechanic
179		Shalendra Pandey	Asst.Mechanic
180		Sachin Kumar	Asst.Mechanic
181		Lalit Yadav	Hydra Operator
182		Narendra Vishwakarma	Kamani Fitter
183		Rahul Kumar Singh	RMC Plant Operator
184		Vishwajeet Kumar Singh	RMC Plant Operator
185		Gaurav Sharma	RMC Plant Operator
186		Vikas Kumar	RMC Plant Operator
187		Rajgir Kumar	Tyre Fitter

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Sr No	Departement	Name	Designation
188		Ebinay Lal Paswan	Tyre Fitter
189		chhotu Bhadauriya	Tyre Fitter
190		Sunil Kumar Chauhan	Welder
191		Rajpal	Welder
192		Arjun	Workshop Helper
193		Lavakush Kr Gautam	Workshop Helper
194		Deepak Kumar	Workshop Helper
195		Rammurti	Welder Helper
196		Rohit Pal	RMC Plant Helper
197		Durgesh	Excavator Helper
198		Ankit Kumar	Plant Helper
199		Raj Bahadur	Workshop Helper
200		Pravin Prasad	Workshop Helper
201		Santosh Kumar Singh	Tyre Fitter Helper
202		Chandan Kumar	Tyre Fitter Helper
203		Rahul	Plant Helper
204		Sanjay	Plant Helper
205		Vishwakarma Kumar Mahto	Mech. Workshop Helper
206		Prince Kumar	Workshop Helper
207		Rituraj Kumar	Boom Placer Helper
208		Niraj Kumar	Workshop Helper
209		Nitin Kumar	Office Boy
210		Subash Kumar	Helper
211		Bachcha Singh	Office Boy
212		Shivam	Sweeper
213		Shivendra Yadav	Store Helper
214		Ambrish Singh	Store Helper
215		Manmandr Pal	Survey Helper
216		Durgesh	Survey Helper
217		Sumit	Survey Helper

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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**

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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	

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Sr no	Description	Nos	Remarks
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	
37	Calcium Carbide 500 gm pkt	10	
B. List of Lab Equipment for concrete Laboratory			
	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	

Sr no	Description	Nos	Remarks
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	
69	Filter Paper, 100 mm dia (Packet) & 150mm dia (packet)	10	
C. IS Sieves for Soil,GSB,WMM,DBM,BC,cement,Fly			
	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	

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Sr no	Description	Nos	Remarks
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	
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	

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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	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	76	267	267	0	76	76	0	343	343	0	27	155	182	
ii)	Atterberg Limits (LL & PL)	2 tests for 3000 cu.m of soil	IS 2720 Part-5	76	267	267	0	76	76	0	343	343	0	27	155	182	
iii)	Proctor Test(MDD & OMC)	2 tests for 3000 cu.m of soil	IS 2720 Part-8	76	267	267	0	76	76	0	343	343	0	27	155	182	
iv)	Free Swell Index (FSI)	2 tests for 3000 cu.m of soil	IS 2720 Part-40	76	267	267	0	76	76	0	343	267	0	27	155	182	
v)	CBR Test for SG	1 test for 3000 m^3	AASHTO T 193	38	56	56	0	38	38	0	94	94	0	14	25	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	73	1454	1344	110	73	52	21	1527	1396	131	27	805	832	
ii)	Compaction Control for Embankment	1 Test/3000 m2	IS 2720 Part-28	3596	6958	6358	600	3596	3406	190	10554	9764	790	1546	2415	3961	
iii)	Compaction Control for Sub Grade	1 Test/2000 m2	IS 2720 Part-28	495	0	0	0	495	425	70	495	425	70	214	0	214	
E	**For Granular Subbase (m^3)**																
i)	Gradation	One test per 400 cu.m	IS 2386 Part-1	0	0	0	0	0	0	0	0	0	0	0	0	0	
ii)	Atterberg Limits (LL & PL)	One test per 400 cu.m	IS 2720 Part-5	0	0	0	0	0	0	0	0	0	0	0	0	0	
iii)	Proctor Test(MDD & OMC)	As Required	IS 2720 Part-8	0	0	0	0	0	0	0	0	0	0	0	0	0	
iv)	CBR Test in soaked condition	As Required	IS 2720 Part-28	0	0	0	0	0	0	0	0	0	0	0	0	0	
v)	Water Absorption	As required	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	0	
vi)	Ten percent Fines Value	Source Approval/when required	IS 2386 Part-4	0	0	0	0	0	0	0	0	0	0	0	0	0	
F	**For Wet mix Macadam (m^3)**																
i)	Gradation	One test per 200 cu.m of aggregate	IS 2386 Part-1	0	0	0	0	0	0	0	0	0	0	0	0	0	
ii)	Atterberg Limits (LL & PL)	One test per 200 cu.m of aggregate	IS 2720 Part-5	0	0	0	0	0	0	0	0	0	0	0	0	0	
iii)	Proctor Test(MDD & OMC)	As Required	IS 2720 Part-8	0	0	0	0	0	0	0	0	0	0	0	0	0	
iv)	Aggregate Impact Value(AIV)	One test per 1000 cu.m of aggregate	IS 2386 Part-4	0	0	0	0	0	0	0	0	0	0	0	0	0	
v)	FI & EI	One set of three tests per 500 sq.m	IS 2386 Part-1	0	0	0	0	0	0	0	0	0	0	0	0	0	
vi)	Water absorption of Aggregate	Source Approval/when required	IS 2386 Part-3	0	0	0	0	0	0	0	0	0	0	0	0	0	
G	**For Prime Coat / Tack Coat**																
i)	Quality of binder	Number of samples per lot and tests as per IS:73, IS:217 and IS:8887 as applicable		0	0	0	0	0	0	0	0	0	0	0	0	0	
ii)	Binder temperature for application	At regular close intervals		0	0	0	0	0	0	0	0	0	0	0	0	0	

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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	
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	0	0	
ii)	Softening Point (Lot)	Each lot 1 test	IS 1205	0	0	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	5	0	0	0	5	5	0	5	5	0	2	0	2	
ii)	Softening Point (Lot)	Each lot 1 test	IS 1205	5	0	0	0	5	5	0	5	5	0	2	0	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	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	2	0	0	0	2	2	0	0	0	0	1	0	1	
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	0	0	0	2	2	0	0	0	0	1	0	1	
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		3	0	0	0	3	3	0	0	0	0	2	2	4	

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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	
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	3	0	0	0	3	3	0	0	0	0	1	0	1	
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	17	0	0	0	17	17	0	17	17	0	5	0	5	
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 Table 500-10	3	0	0	0	3	3	0	0	0	0	1	1	2	
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	3	0	0	0	3	3	0	0	0	0	1	1	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	3	0	0	0	3	3	0	0	0	0	1	1	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		5	0	0	0	5	5	0	0	0	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	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	5	0	0	0	5	0	5	0	0	0	2	2	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	0	
xvi)	Density of Compacted Layer	One test per 700 sq.m area	AASTHO T 166	18	0	0	0	18	18	0	0	0	0	6	0	6	
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	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	5	0	0	0	5	5	0	0	0	0	3	3	6	

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	
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	4	29	29	0	4	4	0	33	33	0	2	13	15	
ii)	Initial setting time & final setting time	for Every Batch/Lot	IS 4301 Part-5	4	29	29	0	4	4	0	33	33	0	2	13	15	
iii)	Fineness	for Every Batch/Lot	IS 4301 Part-1	4	29	29	0	4	4	0	33	33	0	2	11	13	
iv)	Compressive strength (3 Days)	for Every Batch/Lot	IS 4301 Part-6	4	50	50	0	4	4	0	54	54	0	2	9	11	
v)	Compressive strength (7 Days)	for Every Batch/Lot	IS 4301 Part-6	4	55	55	0	4	4	0	59	59	0	2	10	12	
vi)	Compressive strength (28 Days)	for Every Batch/Lot	IS 4301 Part-6	4	49	49	0	0	4	4	49	53	4	2	8	10	
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	30	208	239	0	30	30	0	238	238	0	10	88	98	
ii)	Gradation Test for Fine Aggregate	1 Test / day	IS 383	30	159	159	0	30	30	0	189	189	0	10	65	75	
iii)	Flakiness Index	1 Test / day	IS 2386 Part-1	4	37	37	0	4	4	0	41	41	0	2	13	15	
iv)	Aggregate Impact Value/Los Angles Abrasion Value	1 Test / day	IS 2386 Part-4	4	37	37	0	4	4	0	41	41	0	2	14	16	
v)	Soundness Test	Source Approval/when required	IS 2386 Part-5	0	1	1	0	0	0	0	0	1	0	0	0	0	
	Concrete Compressive strength (7 Days) m^3		IS 516	228	653	563	0	228	228	0	881	791	0	158	226	384	
	Concrete Compressive strength (28 Days) m^3		IS 516	494	1213	1213	0	494	494	0	1707	1707	0	297	187	484	
P	**Calibration**																

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	
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	4	5	
iii)	Sand pouring cylinder 150mm dia.	One test for every month	IS 2720 Part-28	1	8	8	0	1	1	0	9	9	0	1	4	5	
iv)	Sand pouring cylinder 200mm dia.	One test for every month	IS 2720 Part-28	1	8	8	0	1	1	0	9	9	0	1	4	5	
v)	Sand pouring cylinder 100mm dia.	One test for every month	IS 2720 Part-28	1	4	5	0	1	1	0	5	6	0	1	2	3	
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			5404	12433	11665	710	5400	5118	290	17779	16628	995	2435	4637	7072	

MKC DOMTA-SAHIB DEHRADUN KEDARNATH HIGHWAYS PVT. LTD. Authorised Signatory

Correspondence

8.1

Summary of correspondence letters

Sr. No	Letter No	Subject	To	From	Date	Remarks
1	MKCIL/GNR/UK_PSB_PKG-2/334	Submission of milestone payment certificate-02	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	01.11.2023	
2	MKCIL/GNR/UK_PSB_PKG-2/335	Submission of service road approved plan & profile for ch. 18+600 to 44+800	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	02.11.2023	
3	MKCIL/GNR/UK_PSB_PKG-2/338	Submission of Details of escrow account.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	03.11.2023	
4	MKCIL/GNR/UK_PSB_PKG-2/339	Submission of monthly progress report for the month of October 2023 as per clause 13.1 of CA.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	04.11.2023	
5	MKCIL/GNR/UK_PSB_PKG-2/340	Submission of copy of Royalty slip of soil.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	03.11.2023	
6	MKCIL/GNR/UK_PSB_PKG-2/341	Regarding the source approval of MKC crusher Jassouala.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	04.11.2023	
7	MKCIL/GNR/UK_PSB_PKG-2/342	Request for extension of time from 18.07.2023 to 31.12.2023 for 1st Milestone.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	06.11.2023	
8	MKCIL/GNR/UK_PSB_PKG-2/343	Submission of milestone payment certificate-02	NHAI	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	07.11.2023	
9	MKCIL/GNR/UK_PSB_PKG-2/344	Submission of Test report of borrow area -18 for the approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	08.11.2023	
10	MKCIL/GNR/UK_PSB_PKG-2/345	Request to Provide traffic police for overlay work near ballupur.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	10.11.2023	
11	MKCIL/GNR/UK_PSB_PKG-2/346	Reg. Submission of Third Party DBM Mix Design with HPCL VG 40 Bitumen for approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	10.11.2023	
12	MKCIL/GNR/UK_PSB_PKG-2/348	Reg. Submission of GSB Mix Design for approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	15.11.2023	
13	MKCIL/GNR/UK_PSB_PKG-2/350	Reg. Submission of WMM Mix Design for approval.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	16.11.2023	
14	MKCIL/GNR/UK_PSB_PKG-2/351	Reg. Closing of NCR-09.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	17.11.2023	
15	MKCIL/GNR/UK_PSB_PKG-2/352	Reg. Submission of Third-party lab profile & credential of CIMEC Infralabs private Limited.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	17.11.2023	
16	MKCIL/GNR/UK_PSB_PKG-2/353	Reg. Closing of NCR-11.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.11.2023	
17	MKCIL/GNR/UK_PSB_PKG-2/354	Reg. Closing of NCR-05.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.11.2023	
18	MKCIL/GNR/UK_PSB_PKG-2/355	Reg. Submission of RE Wall drawing of VUP-31+678, LVUP-28+285 & 30+259.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	18.11.2023	
19	MKCIL/GNR/UK_PSB_PKG-2/356	Reg. Submission for Third Party lab Profile & Credential of Shriram Institute for Industrial Research.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	17.11.2023	
20	MKCIL/GNR/UK_PSB_PKG-2/357	Reg. Submission of drawings of Major Bridge at Ch. 33+033 Abutment A2.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	20.11.2023	
21	MKCIL/GNR/UK_PSB_PKG-2/358	Reg. Submission of TBM List.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.11.2023	
22	MKCIL/GNR/UK_PSB_PKG-2/359	Reg. Location of Bus Bays & Bus Shelters.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.11.2023	

Sr. No	Letter No	Subject	To	From	Date	Remarks
23	MKCIL/GNR/UK_PSB_PKG-2/360	Reg. Submission of Drawing of road side drain.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.11.2023	
24	MKCIL/GNR/UK_PSB_PKG-2/361	Reg. Request for Modification of Schedule-G.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.11.2023	
25	MKCIL/GNR/UK_PSB_PKG-2/362	Reg. Submission of Structures Drawings and Plan & Profile for for Approval of safety consultant.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	21.11.2023	
26	MKCIL/GNR/UK_PSB_PKG-2/363	Reg. Submission of Road furniture drawing for ch. 42+000 to 44+800 Km.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	22.11.2023	
27	MKCIL/GNR/UK_PSB_PKG-2/364	Reg. Submission of Drawings of Superstructure of Major Bridge at Ch. 33+033.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	23.11.2023	
28	MKCIL/GNR/UK_PSB_PKG-2/365	Reg. Request for Extension of time for the project.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	24.11.2023	
29	MKCIL/GNR/UK_PSB_PKG-2/366	Reg. Submission of drone videography & ortho images for the month of Nov-2023 as per article 13.6	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	25.11.2023	
30	MKCIL/GNR/UK_PSB_PKG-2/367	Reg. RTI of Mr. Jamil	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	25.11.2023	
31	MKCIL/GNR/UK_PSB_PKG-2/368	Reg. Itinerary Schedule of factory visit of Parmar testing Lab & research centre, Dun Testing and Research Laboratory, Geosys India Infrastructure india pvt ltd.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	25.11.2023	
32	MKCIL/GNR/UK_PSB_PKG-2/369	Reg. the Itinerary Schedule of factory visit of polygon chemicals private limited.	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	25.11.2023	
33	MKCIL/GNR/UK_PSB_PKG-2/371	Closing of NCR-05	IE	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	26.11.2023	
34	MKCIL/GNR/UK_PSB_PKG-2/373	Reg. Submission of test report of borrow area-20.	PIU/NHAI	MKC Poanta - Saheb Dehradun Kedarnathji Highways Private Limited	30.11.2023	

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	01-11-2023	30.9	16.1	51	31	Sunny	0	1755.2	Cum. Rain Fall Up To Previous Month
2	02-11-2023	30.6	16.9	51	31	Sunny	0	1755.2	
3	03-11-2023	30	17.1	48	31	Sunny	0	1755.2	
4	04-11-2023	29.7	16.7	49	32	Sunny	0	1755.2	
5	05-11-2023	28.7	17.3	50	33	Sunny	0	1755.2	
6	06-11-2023	29	16.5	53	33	Sunny	0	1755.2	
7	07-11-2023	29.1	16	53	32	Sunny	0	1755.2	
8	08-11-2023	29	16.5	50	32	Sunny	0	1755.2	
9	09-11-2023	28.9	17.6	51	33	Sunny	0	1755.2	
10	10-11-2023	23.4	18	55	41	Sunny	0	1755.2	
11	11-11-2023	28.9	18.4	53	39	Sunny	0	1755.2	
12	12-11-2023	29.1	16.1	50	36	Sunny	0	1755.2	
13	13-11-2023	28.6	15.9	49	34	Sunny	0	1755.2	
14	14-11-2023	27.6	15.5	49	34	Sunny	0	1755.2	
15	15-11-2023	28.5	15.3	49	32	Sunny	0	1755.2	
16	16-11-2023	28.4	15.4	50	33	Sunny	0.0	1755.2	
17	17-11-2023	28.1	15.3	51	33	Sunny	0	1755.2	
18	18-11-2023	28.3	15.8	51	33	Sunny	0	1755.2	
19	19-11-2023	28.2	16.1	48	33	Sunny	0	1755.2	
20	20-11-2023	27.5	15.3	52	33	Sunny	0	1755.2	
21	21-11-2023	27.2	15.1	53	33	Sunny	0	1755.2	
22	22-11-2023	26.9	14.9	50	33	Sunny	0	1755.2	
23	23-11-2023	26	14.1	50	34	Sunny	0	1755.2	
24	24-11-2023	26.9	14.1	55	33	Sunny	0	1755.2	
25	25-11-2023	26.5	15.3	56	33	Sunny	0	1755.2	
26	26-11-2023	25.7	16.4	53	34	Sunny	0	1755.2	
27	27-11-2023	26	15.4	54	33	Sunny	0	1755.2	
28	28-11-2023	27.2	16.1	55	34	Sunny	0	1755.2	
29	29-11-2023	26.3	15.5	54	34	Sunny	0	1755.2	
30	30-11-2023	27.1	16.8	55	33	Sunny	0	1755.2	

Site photographs

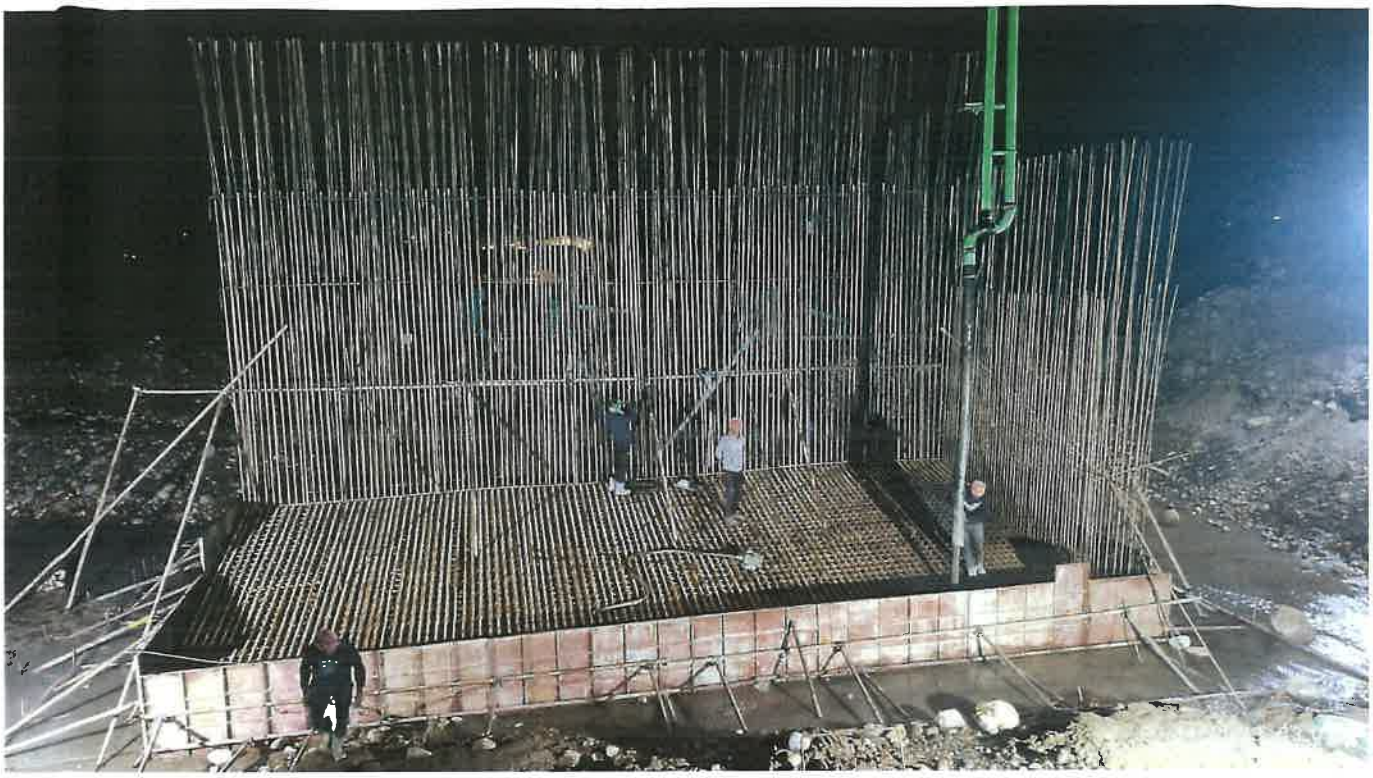
11.1 Site photographs

Concrete Cube Compressive Strength Testing at Lab

Sub-Grade Top Layer Rolling Work in Progress at Ch. 30+600

Sub-Grade Top Layer FDD Testing at Ch. 19+500

MNB Slab Concrete Pouring Work in Progress at Ch. 29+174



MJB Abutment Foundation Concreting Work in Progress at Ch. 33+033

MJB Girder Curing Work in Progress at Ch. 33+033

MKC POWAYA-SAHEB DEHRADUN KEDARNATH JI HIGHWAYS PVT. LTD. * Authorised Signatory

MNB Slab Concrete Pouring Work in Progress at Ch. 25+320

MNB Top Slab Curing Work in Progress at Ch. 19+297

MKC PONTA-SAHEB DEHRADUN KEDARNATH HIGHWAYS PVT. LTD.
Authorised Signatory

Retaining Wall Concreting Work in Progress at Ch. 30+140

Retaining Wall Curing Work in Progress at Ch. 30+110

MKC PAONTA SAHIB DEHRADUN KEDARNATH JI HIGHWAYS PVT. LTD. Authorised Signatory

DBM Laying Work in Progress at Ch. 43+605 to 44+730

DBM Laying Work in Progress at Ch. 44+260 to 44+500

MK C POANTA SAHEB DEHRADUN KEDARNATH HIGHWAYS PVT LTD
Authorised Signatory

Thermoplastic Road Marking Work in Progress at Ch. 44+800

Subgrade Top Inspection at Ch-20+700 BHS with IE Staff

Thanks