

MONTHLY PROGRESS REPORT

AUGUST-2019



Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase- VI on Hybrid Annuity mode (Phase-IA-Package II)

Concessionaire:



IRCON INTERNATIONAL LIMITED

(A Government of India Undertaking)

EPC Contractor:



Every Milestone is Our Value

PATEL INFRASTRUCTURE LIMITED

PATEL HOUSE, CHANNI, VADODARA

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I. LOCATION PLAN & KEY PLAN

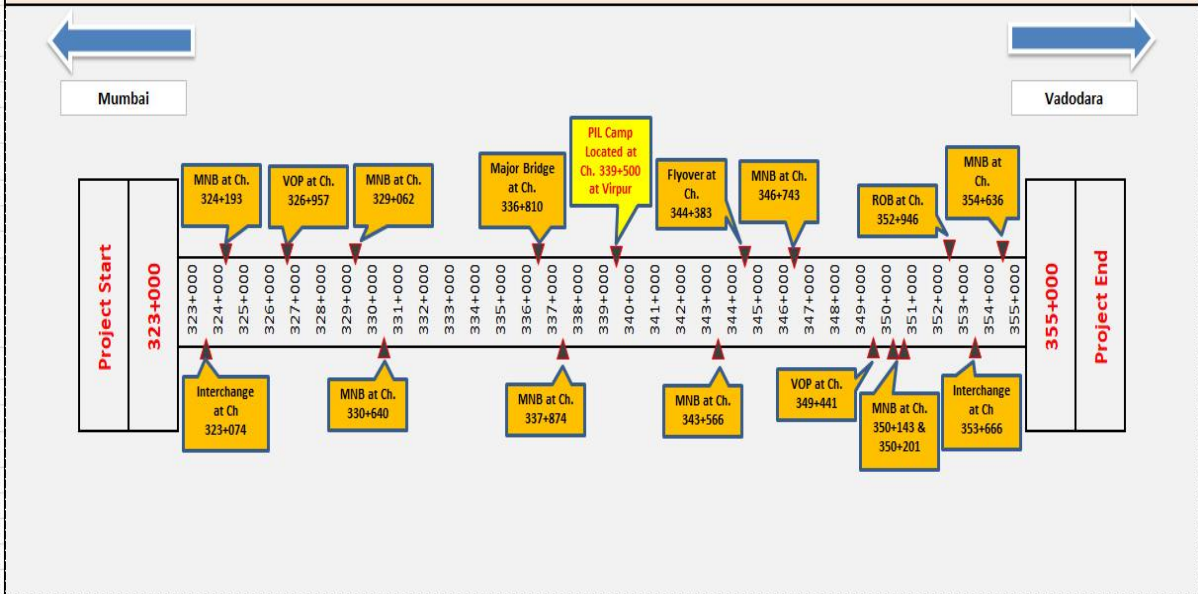
A. Key plan of Expressway



B. KEY PLAN OF PROJECT



Location Map & Key Plan of the Project



II. EXECUTIVE SUMMARY

M/s Patel Infrastructure Limited has been awarded Construction of Eight Lane Vadodara Kim Expressway from Km 323.00 to Km 355.00 (Sanpa to Padra Section of Vadodara Mumbai Expressway) in the State of Gujarat Under NHDP Phase - VI on EPC Mode (Phase IA- Package II).

The road passes through plain and rolling terrain. Land use is mostly agricultural with Black Cotton soil. The entire length of the project road falls in the state of Gujarat under Vadodara District. The Function of expressway is to cater for movement of heavy volume of motor traffic at high speeds. They connect major points of traffic generation and are intended to serve trips of medium and long length between large residential areas, industrial, commercial concentrations, and the central business districts. They are divided highways with high standards of geometric and full or partial control of access and provided generally with grade separation at intersections. Parking, loading and unloading of goods, passengers and pedestrian traffic is not permitted on these highways.

This report covers the activities for the month of August 2019. The Embankment work of the main carriageway is started and 21.05 Km of work is in progress. The Project involves the Eight Lane new alignment with divided carriageway having total 157 structures which include 1-ROB, 1-Flyover, 2-interchange, 2-VOP, 1-MJBs, 9-MNB etc. The structure works has been started, 28 nos. of total CUP are in progress, 3 MNB are in progress, 14 nos. of box culvert are in progress, 26 nos. of pipe culvert completed and 8 nos. are in progress, 2 nos. of VUP and 2 nos. of LVUP are in progress, Flyover is in progress, Interchange at chainage km 323.074 and km 353.660 are in progress, VOP 1 no is in progress.

A. Project Synopsis

National Highways Authority of India plans to undertake the Construction of new alignment 8-lane from Sanpa to Padra from Km 323.000 to 355.000 in the State of Gujarat under NHDP Phase-VI on EPC Mode (Length 32.00 Km.)–Package II.

The project involves new alignment from 323.000 to 355.000 the 8-lane divided carriageway. It includes the construction of bridges, intersections, Connecting roads, culverts and related infrastructure, and the installation of signalling systems and sign boards. The project will be developed under National Highways Development Project (NHDP) Phase-VI on EPC Mode (Package II)

III. PROJECT OVERVIEW

Project	Construction of Eight Lane Vadodara Kim Expressway from Km 323.00 to Km 355.00 (Sanpa to Padra Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on EPC Mode (Package-II)
Authority	National Highways Authority of India
Concessionaire	IRCON Vadodara Kim Expressway Limited
EPC Contractor	IRCON International Limited
Contractor	Patel Infrastructure Limited
Independent Engineer	Aarvee Associates Architects Engineers & Consultants
Project Length	32.00 Km
Total Bid Project Cost	1465.00 Cr.
Defect liability Period	42 month
Construction Period	670 Days from the Appointed Date.
Date of LOA	26.10.2018
Date of Concession Agreement	19.11.2018
Appointed Date	31.01.2019
Schedule Date of Competition	30.11.2020

A. Milestones as per CA:

Sr. No.	Project Milestone	Required % of Physical & Financial Work Completion to Achieve Milestone	Date of Milestone as per CA	Proposed Date of Milestone	Financial Progress
1	Milestone - 1	20%	30/06/2019	30/09/2019	292.998
2	Milestone – 2	35%	27/12/2019	31/01/2020	512.746
3	Milestone – 3	75%	25/04/2020	31/07/2020	1098.743
4	Milestone – 4	100%	01/12/2020	01/12/2020	1464.999

B. Details of Typical Cross section

SR. NO.	Chainage as per CA		Chainage as per P&P		TCS TYPE
	To	From	To	From	
1	323+000	323+530	323+000	323+530	TCS 4/structure
2	323+530	323+700	323+530	323+700	TCS 5
3	323+700	329+300	323+700	329+300	TCS 1
4	329+300	329+400	329+300	329+400	TCS 2
5	329+400	331+850	329+400	331+825	TCS 1
6	331+850	332+050	331+825	332+020	TCS 3
7	332+050	334+325	332+020	334+325	TCS 1
8	334+325	334+430	334+325	334+430	TCS 2
9	334+430	337+050	334+430	337+050	TCS 1
10	337+050	337+500	337+050	337+500	TCS 2
11	337+500	341+500	337+500	341+550	TCS 1
12	341+500	341+760	341+550	341+810	TCS 2
13	341+760	343+870	341+810	343+850	TCS 1
14	343+870	344+000	343+850	344+000	TCS 3
15	344+000	344+550	344+000	344+460	TCS 7/Structure
16	344+550	344+750	344+460	344+750	TCS 6
17	344+750	346+750	344+750	346+725	TCS 1
18	346+750	347+150	346+725	347+150	TCS 3
19	347+150	353+050	347+150	353+050	TCS 1
20	353+050	353+550	353+050	353+550	TCS 5
21	353+550	354+850	353+550	354+850	TCS 1
22	354+850	355+000	354+850	355+000	TCS 2

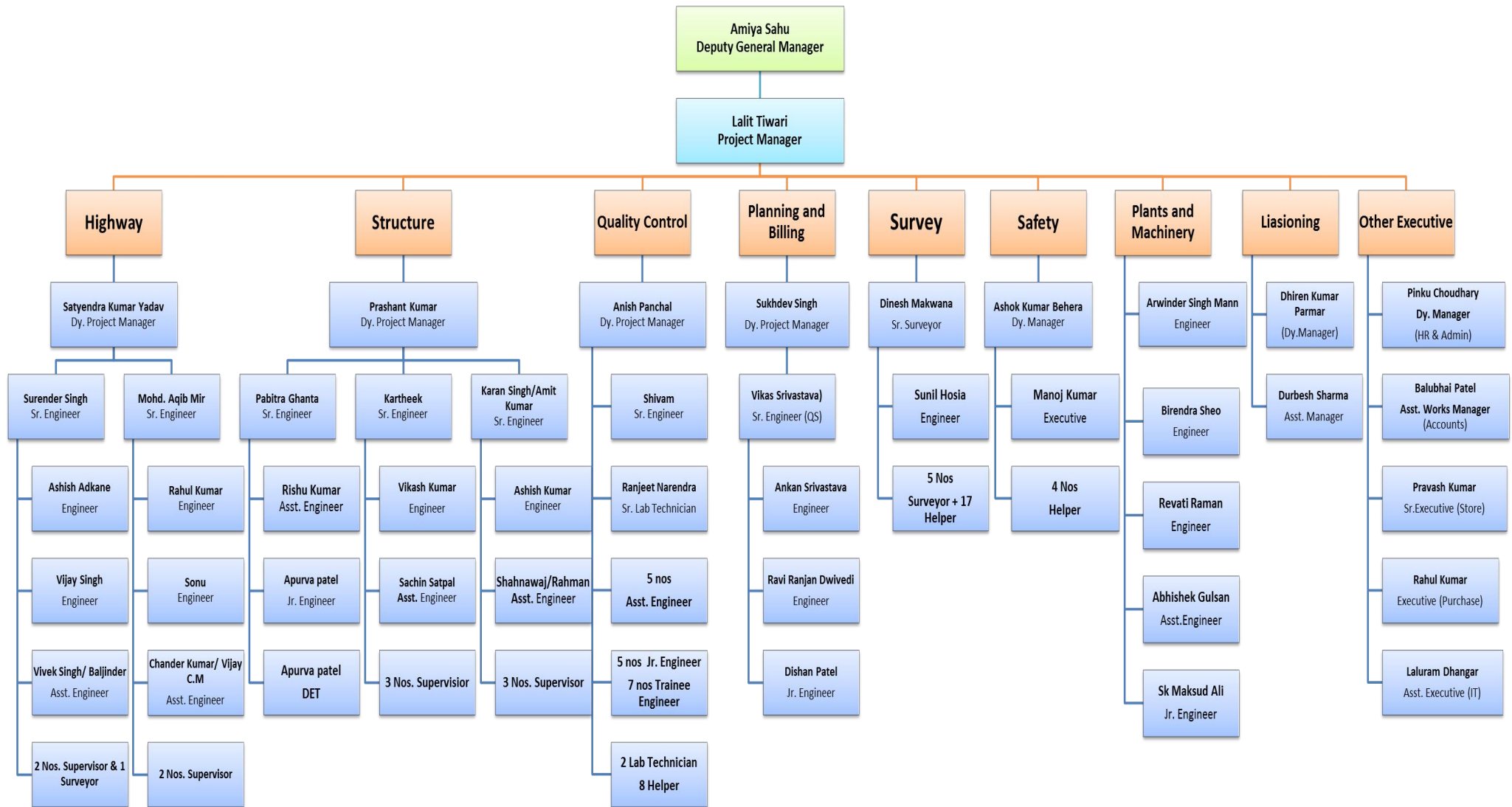
C. Details of MCW:

Sr. No.	Description	Length (in Km)
1	Embankment	30.54 Km
2	Sub grade	30.54 Km
3	G.S.B	30.54 Km
4	D.L.C	30.54 Km
5	P.Q.C	30.54 Km

D. Details of Structures:

S. No.	Type of Structure	Details
1	Major Bridge	01 Nos. – (6X42.20mtr)
2	Flyover	01 Nos. – (1X22.627+1X42.065+1X22.627mtr)
3	Interchange	02 Nos. (1X16.9+1X47.2+1X16.9mtr.) & (1x48.2+2x (25+25+25.788)mtr.
4	ROB	01 Nos. – (2X37.20mtr)
5	Minor bridges	09 Nos.
6	Vehicular underpass	05 Nos. – (1X12mtr)
7	Light Vehicular Underpasses	08 Nos. – (1X12mtr)
8	Culverts (HP/BC)	94 Nos. (42 Nos. Pipe / 52 Nos. Box)
9	CUP	34 Nos. (1X12mtr)
10	Vehicular Overpass	02 Nos. – (2x48.221mtr, 2X41.350mtr)
Total		157

E. ORGANIZATION CHART



F. Details of Plant and Machinery Deployed:

Plant and Machinery Monthly Deployment Status					
Sl. No	Equipment	Unit	Avg. Planned	Actual	Remarks, If any
1	Back Hoe Loader	Nos	8	8	
2	Excavator	Nos	5	6	
3	Motor Grader	Nos	1	2	
4	Vibratory Roller/Soil Compactor	Nos	1	2	
5	Wet Mix Paver	Nos	0	0	
6	Wet Mix Plant	Nos	1	1	
7	DLC Paver	Nos	0	0	
8	PQC Paver	Nos	0	0	
9	Hot Mix Plant	Nos	0	0	
10	Bitumen Paver	Nos	0	0	
11	Bitumen Sprayer	Nos	0	0	
12	Boomer	Nos	0	0	
13	Tandem Roller	Nos	0	0	
14	Pneumatic Tyre Roller	Nos	0	0	
15	Dumpers/Tippers	Nos	25	16	
16	FE Loaders/Dozer	Nos	1	3	
17	Water Tanker	Nos	25	13	
18	Compressor	Nos	0	0	
19	Concrete Batching Plant	Nos	1	6	
20	Transit Mixers	Nos	10	14	
21	Concrete Pump	Nos	2	2	
22	Kerb Machine	Nos	0	0	
23	Crusher - 250 MT	Nos	1	0	
24	Weigh Bridge	Nos	4	2	
25	Tractor	Nos	3	7	
26	Diesel Tanker	Nos	2	1	
27	Tempo	Nos	3	0	
28	Tower Light	Nos	4	2	
29	Hydra Crane	Nos	2	6	
30	Vibratory Rammer	Nos	2	0	
31	Dewatering Pump (Portable)	Nos	5	4	
32	Baby Roller	Nos	2	2	
33	Trailor / Platform Truck	Nos	1	2	
34	Vibrator (Needle Type)	Nos	4	8	
35	Kerb Cutter	Nos	2	0	

G. Details of Applicable Permits:

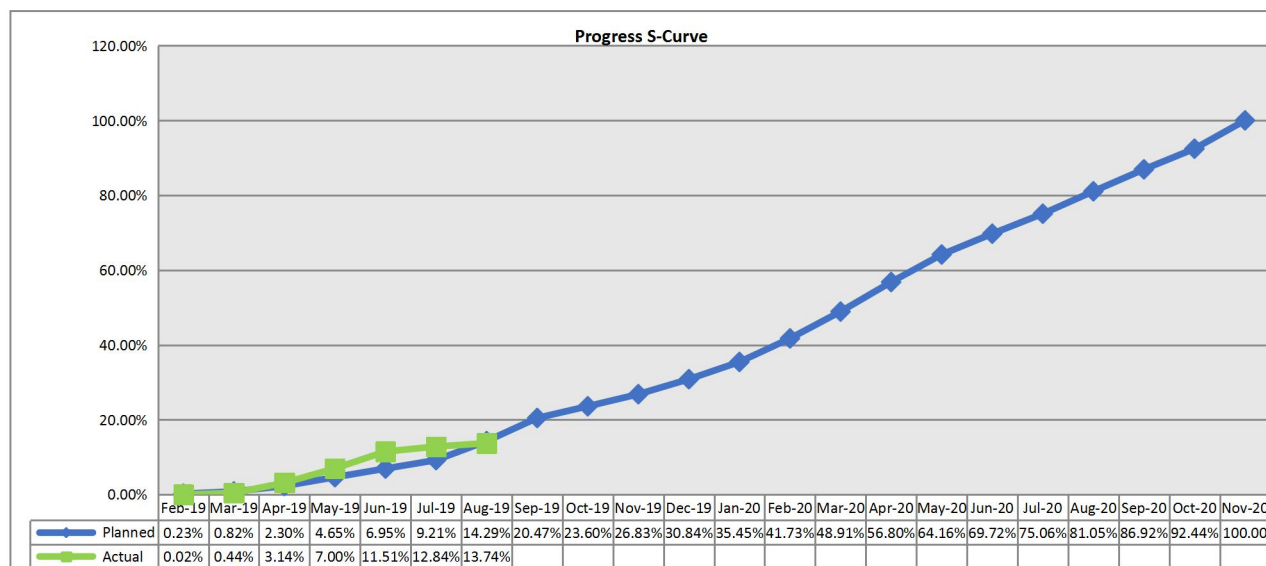
Status of Applicable Permits (As per Schedule F) as on August -19				
Sl. No	Description	Status	Receiving Date	Remarks
1	Permission of the State Government for extraction of boulders from quarry for and in respect of at least 20 (twenty) percent of the total length of the project;	Received	06.12.2018	
2	Permission of Village Panchayats and Pollution Control Board for installation of crushers;	Received	16.10.2018	
3	License for use of explosives;	Received	16.01.2017	Valid up to 31.03.2023
4	Permission of the State Government for drawing water from river/reservoir;	NA	NA	As per CGWA guidelines, for ground water extraction up to 100 cum /day NOC not required.
5	License from inspector of factories or other competent authority for setting up batching plant;	Applied		
6	Clearance of Pollution Control Board for setting up batching plant;	Received	20/04/2019	
7	Clearance of Village Panchayats and Pollution Control Board for setting up asphalt plant;	NA	NA	
8	Permission of Village Panchayats and State Government for borrow earth	Received		Submitted with relevant Borrow Area.
9	Other permits or clearances required under Applicable Laws.	NA	NA	

IV. Project Progress

A. Physical Progress:

The Physical percentage of the work done is calculated is based on the assigned weight-ages revised on 25th July 2019 to the overall scope of the work.

The physical percentage achieved is 13.74% as on 31st Aug 2019.



Given below is the summary status of the works executed as on 31st August 2019.
Refer **Annexure-1A, 1B and 1C** for Details.

Highway Progress:

Sr. No.	Item	Unit	Scope of work	Completed	Work in Progress	Balance work
1	C & G	Km	32	21.05	5.53	5.42
2	Embankment	Km	30.54	11	10.05	9.49
3	Sub grade	Km	30.54	0	0	30.54
4	GSB	Km	30.54	0	0	30.54
5	DLC	Km	30.54	0	0	30.54
6	PQC	Km	30.54	0	0	30.54

Strip Plan showing progress of Expressway is given as **Annexure-2**.

Structure Progress:

Sr. No.	Structure	Unit	Scope	Completed	In Progress	Balance	Remarks
1	Major Bridge	Nos.	1	0	0	1	
2	CUP	Nos.	34	0	28	6	Work Taken Up = 28 Nos - Excavation (7), Ground Improvement (0) PCC (5) Raft (12) Wall(4)
3	Minor Bridge	Nos.	4(Open)	0	1	3	Work Taken Up = 1 No's - Excavation (0),PCC (1)
			5 (Pile)	0	2	3	Work Taken Up = 2 No's – Working pile (11)
4	Box Culvert	Nos.	52	1	13	38	Work Taken Up = 14 Nos - Excavation (2), Ground Improvement (1), PCC (2), Raft (3),Wall (5),Slab(1)
5	Pipe Culvert	Nos.	42	26	8	8	Work Taken Up = 34 Nos - Excavation (1) , Ground Improvement (1), PCC (3), Laying (3),Cradle (26)
6	Vehicular Underpass	Nos.	5	0	2	3	Work Taken Up = 2 Nos - Excavation (0),PCC (2)
7	Light Vehicular Underpass	Nos.	8	0	2	6	Work Taken Up = 2 Nos - Excavation (0),PCC (2)
8	Flyover	Nos.	1	0	1	0	Work Taken Up = 1 No's - Working Pile (3)
9	ROB	Nos.	1	0	0	1	Not Started
10 A	Interchange at 323+074	Nos.	1	0	1	0	Work Taken Up = 1Nos. - Working Pile (80), Pile cap (2)
10B	Interchange at 353+660	Nos.	1	0	1	0	Work Taken Up = 1Nos. - Working Pile (107)
11	Vehicular Overpass	Km	2	0	1	1	Work Taken Up = 1Nos. - Pile (21), Pile cap (1). Pile Cap PCC(1)

Strip Plan showing progress of Expressway is given as **Annexure-2**.

V. Status of Land Acquisition

- Total land for which compensation was paid by NHAI/CALA as on **31st Aug 2019** is **96.875% i.e. 31 Km. out of total 32km.**
- Length of various utilities(hindrances) falling in the clear length of 31 km is **5.565 Km**

Details of above utilities and their affected length of road are given below.

Details of Hindrances	Hindered Length in meter	Remarks
Total Hindered length due to Electrical Utilities	2310	Annexure 3A
Total Hindered length due to water pipeline etc.	255	Annexure 3B
Total Hindered length due to Structures such as house, shelters etc.	185	Annexure 3C
Total Hindered Area due to Disputed Land	1780	Annexure 3D
Total Hindered length due to Gas lines	820	Annexure 3E
Total Hindered length due to Religious Structures	40	Annexure 3F
Total Hindered length due to Trees	200	Annexure 3G
Grand Total	5,590	

Land Acquisition and Clearance summary			
Description	Total required (Ha)	Total in possession at start (Ha)	Total to be Acquired (Ha)
Existing ROW	NIL	NIL	NIL
Pvt. Land to be Acquired	343.564	314.4725	29.0915
Public land to be Transferred	NIL	NIL	NIL
Grand Total	343.564	314.4725	29.0915

- Net unencumbered/Unhindered length of road = **31.00 – 5.565 = 25.435 km. i.e. 82.05 %**
- Action taken by M/s. PIL: We are continuously corresponding with Concessionaire and related Authorities for shifting of utilities and Land acquisition Issues.

VI. UTILITY SHIFTING

Status of Utilities in Package II of Vadodara Kim Expressway		
Utilities	Nos	Status
MGVCL	-	On pursuance to circle office today, it has been informed to us that total 60 estimates which were sent earlier have been merged to total 44 Estimates. Out of 44 estimates, 39 are now approved. Some corrections are required to be incorporated in balance 5 estimates which are expected to be done in 3-4 days. Out of already approved 39 Estimates, 23 Estimates (Karzan Sub-division) shall be sent to PIU, Bharuch by 3rd August 2019. Balance estimates shall be sent to PIU Bharuch by 7th August 2019.
GETCO	8	NHAI has issued a request letter regarding extension in validity of estimates to GETCO. After getting approval of competent authority, GETCO now revised its Estimates with fresh validity period and sent to their HO for final approval before sending the same to PIU, Bharuch.
PGCIL	1	Estimate is still lying with Director-Finance (Corporate Finance). Concessionaire is pursuing the matter with Corporate office as well and Likely to get the approval in a week time.
TORRENT	1	NHAI has forwarded the terms of Torrent regarding option-1 and 2 to Concessionaire for necessary action. Since estimates for option I is already prepared & submitted by Torrent to the Authority, as discussed during the meeting held on 15.07.2019 at PIU, Surat, Concessionaire has opted to go with Option I to save the time.
GWSSB	4	Compliance on the NHAI observations on the estimates sent to PIU/Surat vide their letter dt. 10.07.19. PIU/Bharuch forwarded the compliances to IE for review on 25.07.2019. IE sent its comments on the Estimates submitted by GWSSB vide letter Dated 30.07.2019 to PIU, Bharuch.
ONGC	10	PIU, Surat deposited Supervision Charges on 10.07.19. As per requirement of ONGC, Vendor code has been created for NHAI. Likely to get "Go Ahead" signal from ONGC in 3-4 days.
GAIL	3	GAIL gas lines are crossing the alignment under Pkg-II at 2 locations i.e. at km 343+500 & km 353+666 and structures have already been proposed at these locations. But, at the third location i.e. at km 343+700, a recently constructed compound wall of GAIL complex is infringing the ROW of Expressway (Survey no. 944), which needs to be removed urgently. The construction has already been taken up at these locations and the same was informed to GAIL vide Concessionaire letter dt. 25.06.19. In reply, GAIL authorities are asking for single Nomination from NHAI to deal with such issues.
GSPL	2	Copy of the CAR policy has already been provided to PIU/Surat and an agreement needs to be signed between NHAI & GSPL at the earliest.
SSNNL	21	PIU, Surat to deposit Supervision Charges for Divi. 10 (10 crossings) after scrutiny of estimates by IE. For Division. 5 (11 crossings) - The EE has submitted estimate of all the 11 crossings vide their letter dt. 10.07.19 to PIU/Surat. PIU/Bharuch forwarded the compliances to IE for verification on 25.07.2019.

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited

Sr. No.	Agency	Division	Sub Division	Estimate Prepare & Submitted (Yes/No)	No. of lines/ Polls	Remarks
1	Electric Pole Shifting					
	MGVCL	Vadodara	Karjan	Yes (05-09-2018)		As par revised SOR w.e.f. 01-03-2019 estimate prepared of all three sub division and Ex. Engineer sent to SE MGVCL Vadodara (letter no. JMB/TECH/JE-II/3201-3203 Dated- 30-05-19) for Perusal & Necessary approval, and forward to CE Office and All DE signature required.DE Padra -1 signature pending on strip-plan & relocation plan Drawing.
			Padra-1	Yes (05-09-2018)		
			Padra-2	Yes (05-09-2018)		
2	High tension Line Shifting (66 Kv to 440 Kv)					
	GETCO	Vadodara		Yes	220 KV – 4 66 KV - 4	NHAI has sent Estimate to IE, IE required strip chart/ layout plan, rate analysis, Latest SOR for examination and verification at site. We coordinate with GETCO authority to arrange for the required. NHAI issue a Letter No. 3343 Dt.27-05-19 to SE GETCO regarding IE quires Document. GETCO SE Mr Rathor also replied ref.no.4091 Dt.29-05-2019.
	Power Grid	Vadodara			400 KV - 1	Proposal of cost estimate pending for approval on PGCIL corporate centre
	Torrent	Ahmadabad		No	400 KV - 1	As per discussed on 28 Jun 2019 with torrent officials, they were not agree to go with NHAI proposal option-2. Torrent will go with option-1.
3	Gujarat water supply and sewerage board (GWSSB)					
	GWSSB	Vadodara	Karjan	Yes	6	IE is required to send comments to NHAI.
4	Gas pipe line shifting					
	ONGC	Ankleshwar				GAD Approved, supervision charge deposited by NHAI
	GSPL	Bharuch				Agreement to be made after taking insurance policy as per GSPL norms.
	GAIL	Vadodara				NHAI has appointed Mr R. K. Singh to communicate with GAIL office.

Sr. No.	Agency	Division	Sub Division	Estimate Prepare & Submitted (Yes/No)	No. of lines/ Polls	Remarks
5	Forest Department					
	Forest	Vadodara	Padra			Payment deposited in bank. Will get tree cutting permission in first week of August-2019
			Karjan & Vadodara			Tree cutting permission granted & next process started
6	Irrigation Department(SSNNL)					
	SSNNL	Vadodara	Division-5 Karjan		10	File is under review with I.E
			Division-10 Vadodara		13	GAD Approved, supervision charge deposit pending by NHA1
7	Land Acquisition					
8	CALA Office	Bharuch & Vadodara	Amod, Karjan. Padra & Vadodara			There are many discrepancies in award like tree, land and tube well compensation it's creating hindrance, we have coordinated with SECON (DPR Consultant) & Farmers to resolve all pending issue in Award at site. We had made a joint visit with TL of SECON and farmers to resolve the pending issue. After visit was completed TL informed that he will discuss all this issue with PD and inform how to resolve all the pending issues. Payment pending follows up on daily basis at CALA office (Details attached).

VII. STATUS OF DESIGN & DRAWING

S. No.	Proposed	Pro/Design Chain age	Revisio n No.	Revision Date	Submitted	Remarks
1	Box Culvert	323+038	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
2	Interchange	323+074	R0	23.01.2019	R0- PIL/HO/VKP2/IRCON/326/20 19 Dt. 09.05.2019	for Revised Pier Pile - Submitted to IE-Ho By SES by mail of dt. 17.05.2019
3	Box Culvert	323+075	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	0+019 Ramp-3
4	Box Culvert	323+075	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	0+015 Ramp- 2
5	Box Culvert	323+075	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
6	Box Culvert	323+075	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
7	Box Culvert	323+425	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
8	CUP	323+720	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
9	Pipe Culvert	324+069	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
10	Box Culvert	324+164	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
11	MNB	324+193	R0	14.05.2019	R0- PIL/HO/VKE2/IRCON/340/20 19 Dt. 15.05.2019	
12	Box Culvert	324+236	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
13	Box Culvert	324+254	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
14	CUP	324+410	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	
15	Pipe Culvert	324+719	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
16	CUP	324+900	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
17	Box Culvert	324+987	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
18	Pipe Culvert	325+219	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
19	Pipe Culvert	325+619	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
20	LVUP	325+769	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	

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National Highway Authority of India (NHDP Phase VI)
IRCON International Limited

S. No.	Proposed	Pro/Design Chain age	Revisio n No.	Revision Date	Submitted	Remarks
21	Pipe Culvert	326+119	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
22	Box Culvert	326+292	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
23	CUP	326+381	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
24	Box Culvert	326+848	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
25	VOP	326+957	R0		R0- PIL/HO/VKP2/IRCON/115/20 19 Dt. 26.02.2019	Geo Tech Report Only
26	Box Culvert	326+982	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
27	Box Culvert	326+982	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
28	Pipe Culvert	327+119	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
29	CUP	327+575	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
30	Pipe Culvert	327+994	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
31	CUP	328+175	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
32	Pipe Culvert	328+419	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
33	CUP	328+856	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
34	MNB	329+062	R1	25.05.2019	Submitted to IE-Ho By SES by mail of dt. 25.05.2019	
35	LVUP	329+380	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	
36	Pipe Culvert	329+509	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
37	CUP	329+725	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
38	Pipe Culvert	330+068	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
39	Box Culvert	330+242	R2	07.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
40	VUP	330+402	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
41	MNB	330+630	R0	10.05.2019	R0- PIL/HO/VKP2/IRCON/330/20 19 Dt. 11.05.2019	
42	Box Culvert	330+853	R2	17.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
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S. No.	Proposed	Pro/Design Chain age	Revisio n No.	Revision Date	Submitted	Remarks
43	Pipe Culvert	331+118	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
44	CUP	331+425	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
45	Pipe Culvert	331+719	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
46	VUP	331+822	R2	28.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	
47	Box Culvert	331+840	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	
48	Box Culvert	331+840	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	
49	Pipe Culvert	332+294	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
50	CUP	332+640	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
51	Pipe Culvert	333+119	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
52	CUP	333+351	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
53	Box Culvert	333+661	R2	07.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
54	CUP	333+786	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
55	Pipe Culvert	334+168	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
56	CUP	334+280	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
57	Pipe Culvert	334+719	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
58	CUP	334+868	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
59	Box Culvert	335+074	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
60	VUP	335+402	R0	22.11.2018	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	
61	Box Culvert	335+664	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
62	CUP	336+020	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
63	CUP	336+355	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	
64	LVUP	337+022	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	
65	Pipe Culvert	337+308	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	

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S. No.	Proposed	Pro/Design Chain age	Revision No.	Revision Date	Submitted	Remarks
66	Pipe Culvert	337+593	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
67	MNB	337+874	R1	25.05.2019	Submitted to IE-Ho By SES by mail of dt. 25.05.2019	
68	Pipe Culvert	338+243	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
69	CUP	338+455	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
70	Pipe Culvert	338+669	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
71	CUP	338+950	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
72	Pipe Culvert	339+179	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
73	Box Culvert	339+352	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
74	CUP	339+687	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
75	Box Culvert	339+700	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
76	Box Culvert	339+848	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
77	Box Culvert	339+941	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
78	Pipe Culvert	340+080	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
79	CUP	340+419	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
80	Pipe Culvert	340+718	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
81	CUP	340+820	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
82	Box Culvert	341+171	R0	16.05.2019	Submitted to IE-Ho By SES by mail of dt. 16.05.2019	
83	Pipe Culvert	341+468	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
84	LVUP	341+600	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	
85	VUP	341+826	R2	28.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	
86	Pipe Culvert	341+925	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
87	CUP	342+067	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	
88	CUP	342+543	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
89	Box Culvert	342+620	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	

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S. No.	Proposed	Pro/Design Chain age	Revisio n No.	Revision Date	Submitted	Remarks
90	Pipe Culvert	342+869	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
91	CUP	343+169	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
92	Pipe Culvert	343+280	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
93	MNB	343+500	R0	29.04.2019	R0- PIL/HO/VKP2/IRCON/322/2019 Dt. 09.05.2019	Test Pile 10.05.2019
94	LVUP	343+856	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	
95	Pipe Culvert	343+900	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
96	Box Culvert	344+440	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
97	Pipe Culvert	344+768	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
98	CUP	345+025	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
99	Box Culvert	345+474	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
100	CUP	345+653	R2	29.05.2019	Submitted to IE-Ho By SES by mail of dt. 29.05.2019	
101	Box Culvert	345+966	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
102	CUP	346+383	R2	29.05.2019	Submitted to IE-Ho By SES by mail of dt. 29.05.2019	
103	Pipe Culvert	346+549	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
104	MNB	346+743	R1	25.05.2019	Submitted to IE-Ho By SES by mail of dt. 25.05.2019	
105	Box Culvert	346+776	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
106	Box Culvert	346+800	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
107	CUP	347+108	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
108	Pipe Culvert	347+169	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
109	Box Culvert	347+468	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
110	Box Culvert	347+537	R0	29.05.2019	Submitted to IE-Ho By SES by mail of dt. 29.05.2019	
111	Box Culvert	347+900	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
112	CUP	347+922	R2	29.05.2019	Submitted to IE-Ho By SES by mail of dt. 29.05.2019	
113	Pipe Culvert	348+143	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	

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S. No.	Proposed	Pro/Design Chain age	Revision No.	Revision Date	Submitted	Remarks
114	LVUP	348+468	R1	14.03.2019	R1- PIL/HO/VKE2/IRCON/169/20 19 Dt. 15.03.2019	
115	Pipe Culvert	348+869	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
116	CUP	348+978	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
117	Box Culvert	349+220	R2	07.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
118	VOP	349+441	R0	19.03.2019	PIL/HO/VKP2/IRCON/183/20 19	Structure
119	VOP	349+441	R1	19.03.2019	PIL/HO/VKP2/IRCON/183/20 19	Test Pile
120	Box Culvert	349+563	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
121	Box Culvert	349+563	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/20 18 Dt. 15.12.2018	TYPICAL GAD
122	Pipe Culvert	349+668	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
123	Box Culvert	349+809	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
124	CUP	349+972	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	
125	Pipe Culvert	350+068	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
126	MNB	350+143	R0	07.05.2019	R0- PIL/HO/VKP2/IRCON/324/20 19 Dt. 09.05.2019	
127	MNB	350+201	R0	15.03.2019	Submitted to IE-Ho By SES by mail of dt. 17.05.2019	
128	Pipe Culvert	350+443	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
129	CUP	350+831	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	
130	Box Culvert	351+009	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
131	Pipe Culvert	351+119	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
132	Box Culvert	351+265	R2	13.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
133	VUP	351+284	R2	28.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	
134	Pipe Culvert	351+619	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
135	LVUP	351+800	R1	14.03.2019	R1- PIL/HO/VKE2/IRCON/169/20 19 Dt. 15.03.2019	
136	CUP	352+317	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/20 19 Dt. 28.05.2019	

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IRCON International Limited

S. No.	Proposed	Pro/Design Chain age	Revision No.	Revision Date	Submitted	Remarks
137	CUP	352+700	R2	29.05.2019	Submitted to IE-Ho By SES by mail of dt. 29.05.2019	
138	Pipe Culvert	352+700	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
139	Pipe Culvert	352+868	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
140	ROB	352+945	R0	09.04.2019	R0- PIL/HO/VKP2/IRCON/319/2019 Dt. 08.05.2019	
141	Interchange	353+666	R0		R0- PIL/HO/VKP2/IRCON/201/2019 dt. 01.04.2019	Test Pile Only
142	Box Culvert	353+666	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	0+180 Ramp-2
143	Box Culvert	353+666	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	0+421 Loop-2
144	Box Culvert	353+666	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	0+470 Loop-2
145	Box Culvert	353+666	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	0+692 Ramp-2
146	Box Culvert	353+666	R0	26.05.2019	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	0+362 Ramp-4
147	Box Culvert	353+666	R0	29.05.2019	Submitted to IE-Ho By SES by mail of dt. 29.05.2019	0+404 Loop-3
148	Box Culvert	353+666	R0	29.05.2019	Submitted to IE-Ho By SES by mail of dt. 29.05.2019	0+920 Ramp-1
149	Box Culvert	353+666	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
150	Box Culvert	353+666	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
151	Box Culvert	353+666	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
152	Box Culvert	353+666	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
153	Pipe Culvert	354+467	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
154	MNB	354+636	R0	29.04.2019	R0- PIL/HO/VKP2/IRCON/323/2019 Dt. 09.05.2019	
155	Pipe Culvert	354+754	R1	15.05.2019	Submitted to IE-Ho By SES by mail of dt. 15.05.2019	
156	LVUP	354+832	R2	23.05.2019	Submitted to IE-Ho By SES by mail of dt. 26.05.2019	

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Sr. No	Type of Structure	Total scope (No's)	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Nos. of structures Balance to be reviewed by IE	Chain age	Submitted to IE/IRCON on	Comments from IE/IRCON on	Compliance given on	Present Status
1	Interchange	2	2	0	2	323+075	Submitted to IE-Ho By SES by mail of dt. 06.06.2019	IE Letter no. 526 dated 20.06.2019	-	Pending With PIL
						353+666	PIL/HO/MKP2/IRCON/334/2019 Dt. 13.05.2019	IRCON/3019/VKE/PATEL/610 dt. 09.07.2019	-	Pending With PIL
2	Major Bridge	1	1	0	1	336+830	Submitted to IE-Ho By SES by mail of dt. 19.06.2019	-	-	Pending With IE
3	VOP	2	2	0	2	326+957	PIL/HO/VKP2/IRCON/484/2019 Dt. 27.06.2019	-	-	Pending With IE
						349+441	PIL/HO/VKP2/IRCON/183/2019 dt. 20.03.2019	IRCON/3019/VKE/PATEL/370 dt. 03.05.2019	-	Pending With PIL
4	Minor Bridge	9	9	2	7	324+193	PIL/HO/VKE2/IRCON/340/2019 Dt. 15.05.2019	IRCON/3019/VKE/PATEL/477 dt. 06.06.2019	-	Pending With PIL
						329+062	Submitted to IE-Ho By SES by mail of dt. 25.05.2019	IE Letter no. 459 - 31.05.2019 & Ircon letter no. 489 dt. 11.06.2019	-	Approved by IE
						330+630	PIL/HO/VKP2/IRCON/330/2019 Dt. 11.05.2019	-	-	Pending With IE
						337+874	Submitted to IE-Ho By SES by mail of dt. 25.05.2019	IE letter no. 459 dt. 31.05.2019 & Ircon letter no. 489 dt. 11.06.2019	-	Approved by IE
						343+500	PIL/HO/VKP2/IRCON/322/2019 Dt. 09.05.2019	IRCON/3019/VKE/PATEL/490 dt. 11.06.2019 , IE letter no. 460 - 31.05.2019	-	Pending With PIL
						346+743	Submitted to IE-Ho By SES by mail of dt. 25.05.2019	IRCON/3019/VKE/PATEL/494 dt. 11.06.2019, IE Letter no. 481	-	Pending With PIL

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								- 06.06.2019		
						350+1 43	PIL/HO/VKP2/IRCON/324/2019 Dt. 09.05.2019	IRCON/3019/VKE/PATEL/49 5 dt. 11.06.2019, IE letter no. 482 - 06.06.2019		Pending With PIL
						350+2 01	PIL/HO/VKE2/IRCON/229/2019 Dt. 04.04.2019	IRCON/3019/VKE/PATEL/49 3 dt. 11.06.2019 , IE letter no. 479 - 06.06.2019		Pending With PIL
						354+6 36	Submitted to IE-Ho By SES by mail of dt. 26.06.2019	IRCON/3019/VKE/PATEL/64 7 dt. 17.07.2019		Pending With PIL
5	Flyover	1	1	0	1	344+ 360	Submitted to IE-Ho By SES by mail of dt. 09.06.2019	-	-	Pending With IE
6	ROB	1	1	0	1	352+9 45	PIL/HO/VKP2/IRCON/520/2019 Dt. 15.07.2019	-	-	Pending With IE
7	VUP	5	4	3	1	330+4 02	Yet to submit.		-	Pending With PIL
						331+8 22	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	Ircon letter no. 497 dt. 11.06.2019	PIL/HO/VKE 2/IRCON/50 1/2019 Dt. 02.07.2019	Approved by IE
						335+4 02	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	-	-	Pending With IE
						341+8 26	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	Ircon letter no. 497 dt. 11.06.2019	PIL/HO/VKE 2/IRCON/50 9/2019 Dt. 10.07.2019	Approved by IE
						351+2 84	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	Ircon letter no. 497 dt. 11.06.2019	PIL/HO/VKE 2/IRCON/50 1/2019 Dt. 02.07.2019	Approved by IE
8	LVUP	8	8	0	8	-	4 nos. submitted by mail on dt. 26.05.2019, 2 nos. submitted by letter no. 519 dt. 12.07.2019, 2 nos. (High Skew angle) submitted by letter no. 15.03.2019	-	-	Pending With IE

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9	PUP/CUP	34	34	30	4	-	26 nos. submitted by letter no. 381 dated 28.05.2019, 4 nos. submitted by Mail on date 29.05.2019, 3 nos. by mail dt 26.05.2019, 1 nos. by mail dt. 28.05.2019	26 Nos. (IE letter no. 471 dt. 01.06.2019, IRCON letter no. 492 dt. 11.06.2019), 4 Nos. (IE letter no. 470 dt. 01.06.2019, IRCON letter no. 491 dt. 11.06.2019)	-	30 nos. Approved By IE, 4 nos. pending
10	Box Culvert	52	48	20	28	-	20 nos. bt letter no. 371 dt. 24.05.2019, 4 nos. by mail dt. 01.06.2019, 4 nos. by mai dt. 15.05.2019, 1 nos. by mail dt. 16.05.2019, 9 nos. by mail dt. 28.05.2019, 3 nos. by mail dt. 29.05.2019, 7 nos. by mail dt. 31.05.2019	20 nos. approved in M.O.M - 14.05.2019 to 17.05.2019	-	20 nos. approved in M.O.M - 14.05.2019 to 17.05.2019, other 28 are pending with IE
11	Pipe Culvert	42	42	0	42	-	42 Nos. Submitted by PIL/HO/VKE2/IRCON/362/2019 Dt. 24.05.2019	42 nos. IRCON/3019/VKE/PATEL/476 dt. 06.06.2019	42 Nos. Submitted by PIL/HO/VKE2/IRCON/499/2019 Dt. 02.07.2019	Pending With IE
Total =		157	152	55	97					

VIII. Weather report for the month of Aug'19

Date	Temperature (°C)		Rainfall (mm)	Weather	Remarks
	Maximum	Minimum			
01-Aug-19	29.30	26.80	5.40	Rainy	
02-Aug-19	31.30	28.60	3.80	Rainy	
03-Aug-19	29.80	25.10	13.00	Rainy	
04-Aug-19	30.70	25.40	15.00	Rainy	
05-Aug-19	31.50	27.20	7.00	Rainy	
06-Aug-19	32.80	27.10	6.40	Rainy	
07-Aug-19	32.60	26.80	45.00	Rainy	
08-Aug-19	31.10	26.50	97.00	Rainy	
09-Aug-19	30.20	26.50	170.00	Rainy	
10-Aug-19	29.60	26.10	48.00	Rainy	
11-Aug-19	29.10	26.40	27.00	Rainy	
12-Aug-19	28.70	26.10	-	Sunny	
13-Aug-19	28.90	26.60	-	Sunny	
14-Aug-19	30.20	27.10	-	Cloudy	
15-Aug-19	29.50	26.80	33.00	Rainy	
16-Aug-19	32.60	25.40	69.00	Rainy	
17-Aug-19	34.90	27.80	-	Sunny	
18-Aug-19	35.20	27.20	-	Sunny	
19-Aug-19	34.10	25.40	-	Sunny	
20-Aug-19	33.60	28.50	-	Sunny	
21-Aug-19	33.00	28.10	-	Sunny	
22-Aug-19	33.50	28.30	-	Sunny	
23-Aug-19	34.10	28.50	-	Sunny	
24-Aug-19	34.60	28.50	-	Sunny	
25-Aug-19	34.80	28.70	-	Sunny	
26-Aug-19	30.50	27.20	40.00	Rainy	

Date	Temperature (°C)		Rainfall (mm)	Weather	Remarks
	Maximum	Minimum			
27-Aug-19	28.60	26.20	56.70	Rainy	
28-Aug-19	31.20	27.60		Cloudy	
29-Aug-19	32.20	28.10	3.20	Rainy	
30-Aug-19	33.70	28.80		Sunny	
31-Aug-19	34.80	28.90		Sunny	

IX. Status of RFI

<u>MONTH :- August 2019</u>				
S. No.	Total RFI	Approved RFI	RFI Re-submitted after corrections suggested	Remarks
<u>Highway</u>				
1	0	0	0	
<u>Structure</u>				
1	140	71	69	
<u>Laboratory (QA/QC)</u>				
1	0	0	0	
<u>Survey</u>				
1	0	0	0	

X. Summary Of Tests Conducted For The Month Of August- 19

S. No	Description of Test	No. of Test Conducted up to previous month			No. of Test Conducted during this Month				Cumulative Total			Remarks
		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
OGL												
1	Proctor Test	226	226	0	0	0	0	0	226	226	0	Frequency of testing is as per specification
2	LL/PI	226	226	0	0	0	0	0	226	226	0	
3	Sand Content (GSA)	226	226	0	0	0	0	0	226	226	0	
4	Free Swell Index	226	226	0	0	0	0	0	226	226	0	
5	C.B.R	30	30	0	0	0	0	0	30	30	0	
Shoulder												
1	Proctor Test	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	LL/PI	0	0	0	0	0	0	0	0	0	0	
3	Sand Content (GSA)	0	0	0	0	0	0	0	0	0	0	
4	Free Swell Index	0	0	0	0	0	0	0	0	0	0	
5	C.B.R	0	0	0	0	0	0	0	0	0	0	
Existing Site Sample (MCW/SR)												

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
1	Proctor Test	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	LL/PI	0	0	0	0	0	0	0	0	0	0	
3	Sand Content (GSA)	0	0	0	0	0	0	0	0	0	0	
4	Free Swell Index	0	0	0	0	0	0	0	0	0	0	
5	C.B.R	0	0	0	0	0	0	0	0	0	0	
Borrow Materials												
1	Proctor Test	2535	2535	0	10	10	0	2	2545	2545	0	Frequency of testing is as per specification
2	LL/PI	2535	2535	0	10	10	0	2	2545	2545	0	
3	Sand Content (GSA)	2535	2535	0	10	10	0	2	2545	2545	0	
4	Free Swell Index	2535	2535	0	10	10	0	2	2545	2545	0	
5	C.B.R	470	461	9	15	10	5	6	485	471	14	
Soil Stabilization												
1	Proctor Test	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	LL/PI	0	0	0	0	0	0	0	0	0	0	
3	Sand Content	0	0	0	0	0	0	0	0	0	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
	(GSA)											
4	Free Swell Index	0	0	0	0	0	0	0	0	0	0	
5	C.B.R	0	0	0	0	0	0	0	0	0	0	
Granular Sub Base												
1	Proctor Test	8	8	0	0	0	0	0	8	8	0	Frequency of testing is as per specification
2	Gradation	82	80	2	12	11	1	2	94	91	3	
3	LL/PI	80	80	0	11	11	0	2	91	91	0	
4	10% fines Value	2	2	0	0	0	0	0	2	2	0	
5	AIV	10	10	0	0	0	0	0	10	10	0	
6	C.B.R	8	8	0	0	0	0	0	8	8	0	
Wet Mix Macadam												
1	Proctor Test	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	Gradation	0	0	0	0	0	0	0	0	0	0	
3	LL/PI	0	0	0	0	0	0	0	0	0	0	
4	A.I.V.	0	0	0	0	0	0	0	0	0	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
5	F.I. & E.I.	0	0	0	0	0	0	0	0	0	0	
6	L.A.A.V	0	0	0	0	0	0	0	0	0	0	
Existing Site Sample(GSB/WMM)												
1	Proctor Test	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	Gradation	0	0	0	0	0	0	0	0	0	0	
3	LL/PI	0	0	0	0	0	0	0	0	0	0	
4	A.I.V.	0	0	0	0	0	0	0	0	0	0	
5	F.I. & E.I.	0	0	0	0	0	0	0	0	0	0	
6	10% fines Value	0	0	0	0	0	0	0	0	0	0	
7	Water Absorption	0	0	0	0	0	0	0	0	0	0	
8	L.A.A.V	0	0	0	0	0	0	0	0	0	0	
9	CBR	0	0	0	0	0	0	0	0	0	0	
Concrete Works												
A.	Compressive Strength of concrete cubes											Frequency of testing is as per specification

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
1	Concrete (Grouting)											
	7 days	0	0	0	0	0	0	0	0	0	0	
2	M-15 Concrete											
	7 Days	0	0	0	0	0	0	0	0	0	0	
	28 days	0	0	0	0	0	0	0	0	0	0	
3	M-20 Concrete											
	7 Days	292	292	0	3	3	0	0	295	295	0	
	28 days	638	638	0	48	48	0	6	686	686	0	
4	M-25 Concrete											
	7 Days	0	0	0	0	0	0	0	0	0	0	
	28 days	0	0	0	0	0	0	0	0	0	0	
5	M-30 Concrete											
	7 Days	66	66	0	3	3	0	1	69	69	0	
	28 days	132	132	0	8	8	0	2	140	140	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
6	M-35 (Pile)											
	7 Days	142	142	0	60	60	0	20	202	202	0	
	28 days	276	276	0	387	387	0	96	663	663	0	
	M-35 (RCC)											
	7 Days	63	63	0	3	3	0	1	66	66	0	
	28 days	226	226	0	73	73	0	28	299	299	0	
	M-35 (RE)											
	7 Days	24	24	0	13	13	0	5	37	37	0	
	28 days	37	37	0	83	83	0	41	120	120	0	
7	M-40 Concrete											
	7 Days	0	0	0	0	0	0	0	0	0	0	
	28 days	0	0	0	0	0	0	0	0	0	0	
8	M-45 Concrete											
	7 Days	0	0	0	0	0	0	0	0	0	0	
	28 days	0	0	0	0	0	0	0	0	0	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
9	M-50 Concrete											
	7 Days	0	0	0	0	0	0	0	0	0	0	
	28 Days	0	0	0	0	0	0	0	0	0	0	
10	End Block(GP2)	0	0	0	0	0	0		0	0	0	
11	DLC Concrete											
	07 days	0	0	0	0	0	0	0	0	0	0	
12	PQC (M-40)											
	7 Days	0	0	0	0	0	0	0	0	0	0	
	28 days	0	0	0	0	0	0	0	0	0	0	
	Beam	0	0	0	0	0	0	0	0	0	0	
a)	D.L.C. (Combined Gradation)	0	0	0	4	4	0	4	4	4	0	
b)	Coarse Aggregate Gradation	127	127	0	25	25	0	6	152	152	0	
c)	Fine Aggregate Gradation	127	127	0	25	25	0	6	152	152	0	
d)	Flakiness Index	127	127	0	25	25	0	6	152	152	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results			
			Passed	Failed		Passed	Failed			Passed	Failed		
e)	Impact Test	127	127	0	25	25	0	6	152	152	0		
f)	Specific Gravity	15	15	0	1	1	0	1	16	16	0		
g)	Water Absorption	15	15	0	1	1	0	1	16	16	0		
B.	Testing of stone												
a)	Petro graphical Examination	2	2	0	1	1	0	1	3	3	0		
b)	Alkali Agg Reactivity	3	3	0	1	1	0	1	4	4	0		
c)	Chloride Content	3	3	0	1	1	0	1	4	4	0		
d)	Sulphate Content	3	3	0	1	1	0	1	4	4	0		
e)	Del material Content	3	3	0	1	1	0	1	4	4	0		
f)	Sp. Gr & Water Absorption	3	3	0	1	1	0	1	4	4	0		
Cement Testing													
(i)	OPC-43 Grade												
1	Consistency	0	0	0	2	2	0	2	2	2	0		Frequency of testing is as per specification
2	Initial & Final Setting Time	0	0	0	2	2	0	2	2	2	0		

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
3	Fineness	0	0	0	2	2	0	2	2	2	0	
4	Specific Gravity	0	0	0	0	0	0		0	0	0	
5	3 days Comp. Strength	0	0	0	2	2	0	2	2	2	0	
6	7 days Comp. Strength	0	0	0	2	2	0	2	2	2	0	
7	28 days Comp. Strength	0	0	0	2	2	0	2	2	2	0	
(ii)	OPC-53 Grade											
1	Consistency	18	18	0	6	6	0	2	24	24	0	
2	Initial & Final Setting Time	18	18	0	6	6	0	2	24	24	0	
3	Fineness	18	18	0	6	6	0	2	24	24	0	
4	Specific Gravity	0	0	0	0	0	0	0	0	0	0	
5	3 days Comp. Strength	16	16	0	11	11	0	3	27	27	0	
6	7 days Comp. Strength	13	13	0	13	13	0	4	26	26	0	
7	28 days Comp. Strength	8	8	0	10	10	0	3	18	18	0	
Bitumen Testing												

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			Passed	Failed		Passed	Failed			Passed	Failed	
(i)	VG 40											
1	Sp. Gravity	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	Penetration	0	0	0	0	0	0	0	0	0	0	
3	Softening Point	0	0	0	0	0	0	0	0	0	0	
4	Ductility	0	0	0	0	0	0	0	0	0	0	
5	Viscosity	0	0	0	0	0	0	0	0	0	0	
(ii)	VG 30											
1	Sp. Gravity	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	Penetration	0	0	0	0	0	0	0	0	0	0	
3	Softening Point	0	0	0	0	0	0	0	0	0	0	
4	Ductility	0	0	0	0	0	0	0	0	0	0	
5	Viscosity	0	0	0	0	0	0	0	0	0	0	
Emulsion Testing												
(i)	Emulsion (RS-1)											
1	Penetration	0	0	0	0	0	0	0	0	0	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
2	Ductility	0	0	0	0	0	0	0	0	0	0	
3	Viscosity	0	0	0	0	0	0	0	0	0	0	
(ii)	Emulsion (SS-2)											
1	Penetration	0	0	0	0	0	0	0	0	0	0	
2	Ductility	0	0	0	0	0	0	0	0	0	0	
3	Viscosity	0	0	0	0	0	0	0	0	0	0	
Rate of Spread of Material												
1	Prime Coat	0	0	0	0	0	0	0	0	0	0	
2	Tack Coat	0	0	0	0	0	0	0	0	0	0	
3	Cement	0	0	0	0	0	0	0	0	0	0	
DBM (G-II) Testing (Site Sample)												
1	Combined Gradation (Dry Mix)	0	0	0	0	0	0	0	0	0	0	
2	Sand Equivalent Value	0	0	0	0	0	0	0	0	0	0	
3	Binder Content of Mix	0	0	0	0	0	0	0	0	0	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results			
			Passed	Failed		Passed	Failed			Passed	Failed		
4	Individual Gradation	0	0	0	0	0	0	0	0	0	0		
4	After Extraction Gradation	0	0	0	0	0	0	0	0	0	0		
5	Marshal Specimen Testing (SET)	0	0	0	0	0	0	0	0	0	0		
6	Maximum Sp. Gravity (Gmm) Test	0	0	0	0	0	0	0	0	0	0		
7	Combined FI & EI of Aggregate	0	0	0	0	0	0	0	0	0	0		
8	AIV Test	0	0	0	0	0	0	0	0	0	0		
9	LAAV Testing	0	0	0	0	0	0	0	0	0	0		
10	Core Density Testing	0	0	0	0	0	0	0	0	0	0		
BC (G-II) Testing (Site Sample)													
1	Combined Gradation (Dry Mix)	0	0	0	0	0	0	0	0	0	0		
2	Sand Equivalent Value	0	0	0	0	0	0	0	0	0	0		
3	Binder Content of Mix	0	0	0	0	0	0	0	0	0	0		

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
4	Individual Gradation	0	0	0	0	0	0	0	0	0	0	
4	After Extraction Gradation	0	0	0	0	0	0	0	0	0	0	
5	Marshal Specimen Testing (SET)	0	0	0	0	0	0	0	0	0	0	
6	Maximum Sp. Gravity (Gmm) Test	0	0	0	0	0	0	0	0	0	0	
7	Combined FI & EI of Aggregate	0	0	0	0	0	0	0	0	0	0	
8	AIV Test	0	0	0	0	0	0	0	0	0	0	
9	LAAV Testing	0	0	0	0	0	0	0	0	0	0	
10	Core Density Testing	0	0	0	0	0	0	0	0	0	0	
Design Mix/Nominal Mix												
1	M-15	0	0	0	0	0	0	0	0	0	0	(28 days Strength Achieved)
2	M-20	44	44	0	2	2	0	2	46	46	0	
3	M-20 (Kerb)	0	0	0	0	0	0	0	0	0	0	
4	M-25	0	0	0	0	0	0	0	0	0	0	

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		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results			
			Passed	Failed		Passed	Failed			Passed	Failed		
5	M-30	44	44	0	2	2	0	2	46	46	0		
6	M-35 (R.C.C.)	44	44	0	2	2	0	2	46	46	0		
7	M-35 (Piling)	44	44	0	2	2	0	2	46	46	0		
8	M-35 (RE- Block)	4	4	0	3	3	0	3	7	7	0		
9	M-40	40	40	0	0	0	0	0	40	40	0		
10	M-45	0	0	0	0	0	0	0	0	0	0		
11	M-50	0	0	0	0	0	0	0	0	0	0		
11	GP2	0	0	0	0	0	0	0	0	0	0		
12	D.L.C.	0	0	0	4	4	0	4	4	4	0		7 days Strength Achieved
13	G.S.B.	2	2	0	0	0	0	0	2	2	0		
14	W.M.M.	0	0	0	0	0	0	0	0	0	0		
15	M-40 P. Q. C.	0	0	0	0	0	0	0	0	0	0		
17	DBM GRADE - II	0	0	0	0	0	0	0	0	0	0		
19	BC GRADE - II	0	0	0	0	0	0	0	0	0	0		
Calibrations													

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			Passed	Failed		Passed	Failed			Passed	Failed	
1	WMM Plant	0	0	0	0	0	0	0	0	0	0	
2	Concrete Batching Plant	9	9	0	0	0	0	0	9	9	0	
3	Hot Mix Plant	0	0	0	0	0	0	0	0	0	0	
4	Rapid Moisture Meter	6	6	0	2	2	0	2	8	8	0	
5	Sand Pouring Cylinder	20	20	0	2	2	0	2	22	22	0	
6	C.T.M.	2	2	0	0	0	0	0	2	2	0	
7	F.T.M.	1	1	0	0	0	0	0	1	1	0	
8	Weight & Balance	9	9	0	0	0	0	0	9	9	0	
9	Prooving rings											
	a) 2.5 KN	1	1	0	0	0	0	0	1	1	0	
	b) 25 KN	1	1	0	0	0	0	0	1	1	0	
	c) 50 KN	1	1	0	0	0	0	0	1	1	0	
	d) 100 KN	0	0	0	0	0	0	0	0	0	0	
10	Hot Mix Linnhoff 320	0	0	0	0	0	0	0	0	0	0	

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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S. No	Description of Test	No. of Test Conducted up to previous month			No. of Test Conducted during this Month				Cumulative Total			Remarks
		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
Field Density Test												
1	O.G.L.	2987	2982	5	0	0	0	0	2987	2982	5	Frequency of testing is as per specification
2	Embankment	3267	3264	3	86	76	10	0	3353	3340	13	
3	Subgrade	0	0	0	0	0	0	0	0	0	0	
4	G.S.B	297	297	0	36	34	2	0	333	331	2	
5	W.M.M	0	0	0	0	0	0	0	0	0	0	
6	D.L.C.	0	0	0	0	0	0	0	0	0	0	
7	C.T.B.	0	0	0	0	0	0	0	0	0	0	
8	BSM	0	0	0	0	0	0	0	0	0	0	
9	Back filling	0	0	0	0	0	0	0	0	0	0	
10	Shoulder/Median	0	0	0	0	0	0	0	0	0	0	
11	Embankment (RE Wall)	0	0	0	0	0	0	0	0	0	0	
Fly Ash												
1	Proctor Test	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	LL/PI	0	0	0	0	0	0	0	0	0	0	

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S. No	Description of Test	No. of Test Conducted up to previous month			No. of Test Conducted during this Month				Cumulative Total			Remarks
		No. of Test Conducted	Results		No. of Test Conducted	Results		I.E. Witness	No. of Test Conducted	Results		
			Passed	Failed		Passed	Failed			Passed	Failed	
3	Sand Content (GSA)	0	0	0	0	0	0	0	0	0	0	

XI. Lab Equipment Calibration Report

List of Calibration Status							
SI No.	Description	No. Of Equip.	Identification Number	Date of Calibration	Due Date of Calibration	Calibrated By	Remarks
1	Digital Balance 50 Kg	5	PIL/PK2/BAL/01to05	06.03.2019	05.03.2020	EIE Instruments	
2	Digital Balance 600 gm	2	PIL/PK2/BAL/06,07	06.03.2019	05.03.2020	EIE Instruments	
3	Oven (Small) 0 to 300 Degree	2	PIL/PK2/OVEN/01,2	07.03.2019	06.03.2020	EIE Instruments	
4	Hot Air Oven (Big) 0 to 300 Degree	1	PIL/PK2/OVEN/03	06.03.2019	05.03.2020	EIE Instruments	
5	I.S. Sieve Big(45 Cm) 125.0 mm	2	PIL/PK2/SIEVE (450)/01,02	06.03.2019	05.03.2020	EIE Instruments	
6	I.S. Sieve Big(45 Cm) 90.0 mm	2	PIL/PK2/SIEVE (450)/03,04	06.03.2019	05.03.2020	EIE Instruments	
7	I.S. Sieve Big(45 Cm) 75.0 mm	2	PIL/PK2/SIEVE (450)/05,06	06.03.2019	05.03.2020	EIE Instruments	
8	I.S. Sieve Big(45 Cm) 63.0 mm	2	PIL/PK2/SIEVE (450)/07,08	06.03.2019	05.03.2020	EIE Instruments	
9	I.S. Sieve Big(45 Cm) 53.0 mm	2	PIL/PK2/SIEVE (450)/09,10	06.03.2019	05.03.2020	EIE Instruments	
10	I.S. Sieve Big(45 Cm) 50.0 mm	2	PIL/PK2/SIEVE (450)/11,12	06.03.2019	05.03.2020	EIE Instruments	

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	mm		(450)/11,12	19	20	ents	
11	I.S. Sieve Big(45 Cm) 45.0 mm	2	PIL/PK2/SIEVE (450)/13,14	06.03.2019	05.03.2020	EIE Instruments	
12	I.S. Sieve Big(45 Cm) 40.0 mm	2	PIL/PK2/SIEVE (450)/16,17	06.03.2019	05.03.2020	EIE Instruments	
13	I.S. Sieve Big(45 Cm) 37.5 mm	2	PIL/PK2/SIEVE (450)/18,19	06.03.2019	05.03.2020	EIE Instruments	
14	I.S. Sieve Big(45 Cm) 31.5 mm	2	PIL/PK2/SIEVE (450)/20,21	06.03.2019	05.03.2020	EIE Instruments	
15	I.S. Sieve Big(45 Cm) 26.5 mm	2	PIL/PK2/SIEVE (450)/22,23	06.03.2019	05.03.2020	EIE Instruments	
16	I.S. Sieve Big(45 Cm) 25.0 mm	2	PIL/PK2/SIEVE (450)/24,25	06.03.2019	05.03.2020	EIE Instruments	
17	I.S. Sieve Big(45 Cm) 22.4 mm	2	PIL/PK2/SIEVE (450)/26,27	06.03.2019	05.03.2020	EIE Instruments	
18	I.S. Sieve Big(45 Cm) 20.0 mm	2	PIL/PK2/SIEVE (450)/28,29	06.03.2019	05.03.2020	EIE Instruments	
19	I.S. Sieve Big(45 Cm) 19.0 mm	2	PIL/PK2/SIEVE (450)/30,31	06.03.2019	05.03.2020	EIE Instruments	
20	I.S. Sieve Big(45 Cm) 16.0 mm	2	PIL/PK2/SIEVE (450)/32,33	06.03.2019	05.03.2020	EIE Instruments	
21	I.S. Sieve Big(45 Cm) 14.0 mm	2	PIL/PK2/SIEVE (450)/34,35	06.03.2019	05.03.2020	EIE Instruments	
22	I.S. Sieve Big(45 Cm) 13.2 mm	2	PIL/PK2/SIEVE (450)/36,37	06.03.2019	05.03.2020	EIE Instruments	

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23	I.S. Sieve Big(45 Cm) 12.5 mm	2	PIL/PK2/SIEVE (450)/38,39	06.03.2019	05.03.2020	EIE Instruments	
24	I.S. Sieve Big(45 Cm) 11.2 mm	2	PIL/PK2/SIEVE (450)/40,41	06.03.2019	05.03.2020	EIE Instruments	
25	I.S. Sieve Big(45 Cm) 10.0 mm	2	PIL/PK2/SIEVE (450)/42,43	06.03.2019	05.03.2020	EIE Instruments	
26	I.S. Sieve Big(45 Cm) 9.5 mm	2	PIL/PK2/SIEVE (450)/44,45	06.03.2019	05.03.2020	EIE Instruments	
27	I.S. Sieve Big(45 Cm) 6.3 mm	2	PIL/PK2/SIEVE (450)/46,47	06.03.2019	05.03.2020	EIE Instruments	
28	I.S. Sieve Big(45 Cm) 5.6 mm	2	PIL/PK2/SIEVE (450)/48,49	06.03.2019	05.03.2020	EIE Instruments	
29	I.S. Sieve Big(45 Cm) 4.75 mm	2	PIL/PK2/SIEVE (450)/50,51	06.03.2019	05.03.2020	EIE Instruments	
30	I.S. Sieve Big(45 Cm) 2.36 mm	2	PIL/PK2/SIEVE (450)/52,53	06.03.2019	05.03.2020	EIE Instruments	
31	I.S. Sieve Small(20 Cm) 4.75 mm	2	PIL/PK2/SIEVE (200)/01,02	06.03.2019	05.03.2020	EIE Instruments	
32	I.S. Sieve Small(20 Cm) 2.36 mm	2	PIL/PK2/SIEVE (200)/03,04	06.03.2019	05.03.2020	EIE Instruments	
33	I.S. Sieve Small(20 Cm) 2.80 mm	2	PIL/PK2/SIEVE (200)/05,06	06.03.2019	05.03.2020	EIE Instruments	
34	I.S. Sieve Small(20 Cm) 2.00 mm	2	PIL/PK2/SIEVE (200)/07,08	06.03.2019	05.03.2020	EIE Instruments	
35	I.S. Sieve Small(20 Cm) 1.18 mm	2	PIL/PK2/SIEVE (200)/09,10	06.03.2019	05.03.2020	EIE Instruments	

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36	I.S. Sieve Small(20 Cm) 1.00 mm	6	PIL/PK2/SIEVE (200)/11to16	06.03.20 19	05.03.20 20	EIE Instrum ents	
37	I.S. Sieve Small(20 Cm) 0.850 mm	2	PIL/PK2/SIEVE (200)/17,18	06.03.20 19	05.03.20 20	EIE Instrum ents	
38	I.S. Sieve Small(20 Cm) 0.600 mm	6	PIL/PK2/SIEVE (200)/19to24	06.03.20 19	05.03.20 20	EIE Instrum ents	
39	I.S. Sieve Small(20 Cm) 0.425 mm	2	PIL/PK2/SIEVE (200)/25,26	06.03.20 19	05.03.20 20	EIE Instrum ents	
40	I.S. Sieve Small(20 Cm) 0.300 mm	2	PIL/PK2/SIEVE (200)/27,28	06.03.20 19	05.03.20 20	EIE Instrum ents	
41	I.S. Sieve Small(20 Cm) 0.180 mm	2	PIL/PK2/SIEVE (200)/29,30	06.03.20 19	05.03.20 20	EIE Instrum ents	
42	I.S. Sieve Small(20 Cm) 0.150 mm	2	PIL/PK2/SIEVE (200)/31,32	06.03.20 19	05.03.20 20	EIE Instrum ents	
43	I.S. Sieve Small(20 Cm) 0.125 mm	2	PIL/PK2/SIEVE (200)/33,34	06.03.20 19	05.03.20 20	EIE Instrum ents	
44	I.S. Sieve Small(20 Cm) 0.090 mm	2	PIL/PK2/SIEVE (200)/35,36	06.03.20 19	05.03.20 20	EIE Instrum ents	
45	I.S. Sieve Small(20 Cm) 0.075 mm	4	PIL/PK2/SIEVE (200)/37to40	06.03.20 19	05.03.20 20	EIE Instrum ents	
46	I.S. Sieve Small(20 Cm) 0.045 mm	1	PIL/PK2/SIEVE (200)/41	06.03.20 19	05.03.20 20	EIE Instrum ents	
47	Hot Plate (Round)	2	PIL/PK2/HPLA TE/01,02	06.03.20 19	05.03.20 20	EIE Instrum ents	
48	Bulk Density App. 30 Ltr	1	PIL/PK2/BDS/ 01	06.03.20 19	05.03.20 20	EIE Instrum ents	

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49	Bulk Density App. 10 Ltr	1	PIL/PK2/BDS/02	06.03.2019	05.03.2020	EIE Instruments	
50	Bulk Density App. 03 Ltr	1	PIL/PK2/BDS/03	06.03.2019	05.03.2020	EIE Instruments	
51	Sp. Gravity Basket Mesh Type	2	PIL/PK2/SPB/01,02	06.03.2019	05.03.2020	EIE Instruments	
52	Pycno Meter Bottol Cap 900 mm	2	PIL/PK2/PCN MTR/01,02	06.03.2019	05.03.2020	EIE Instruments	
53	Glass Beaker 500 ml	2	PIL/PK2/BKR(500)/01	05.03.2019	04.03.2020	EIE Instruments	
54	Glass Beaker 1000 ml	2	PIL/PK2/BKR(1000)/01	05.03.2019	04.03.2020	EIE Instruments	
55	Measuring Cylinder(Plastic) 25 ml	1	PIL/PK2/CLNDR/01	05.03.2019	04.03.2020	EIE Instruments	
56	Measuring Cylinder(Plastic) 50 ml	1	PIL/PK2/CLNDR/02	05.03.2019	04.03.2020	EIE Instruments	
57	Measuring Cylinder(Plastic) 100 ml	10	PIL/PK2/CLNDR/03to05	05.03.2019	04.03.2020	EIE Instruments	
58	Measuring Cylinder(Plastic) 250 ml	1	PIL/PK2/CLNDR/06	05.03.2019	04.03.2020	EIE Instruments	
59	Measuring Cylinder(Plastic) 500 ml	2	PIL/PK2/CLNDR/07,08	05.03.2019	04.03.2020	EIE Instruments	
60	Measuring Cylinder(Plastic) 1000 ml	1	PIL/PK2/CLNDR/09	05.03.2019	04.03.2020	EIE Instruments	
61	Measuring Cylinder(Glass) 25 ml	1	PIL/PK2/CLNDR/10	05.03.2019	04.03.2020	EIE Instruments	

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62	Measuring Cylinder(Glass) 50 ml	1	PIL/PK2/CLND R/11	05.03.20 19	04.03.20 20	EIE Instrum ents	
63	Measuring Cylinder(Glass) 100 ml	30	PIL/PK2/CLND R/12to23	05.03.20 19	04.03.20 20	EIE Instrum ents	
64	Measuring Cylinder(Glass) 250 ml	1	PIL/PK2/CLND R/24	05.03.20 19	04.03.20 20	EIE Instrum ents	
65	Measuring Cylinder(Glass) 500 ml	1	PIL/PK2/CLND R/25	05.03.20 19	04.03.20 20	EIE Instrum ents	
66	Measuring Cylinder(Glass) 1000 ml	1	PIL/PK2/CLND R/26	05.03.20 19	04.03.20 20	EIE Instrum ents	
67	G.I. Tray 1000x1000x50 mm	1	PIL/PK2/TRAY /01	06.03.20 19	05.03.20 20	EIE Instrum ents	
68	G.I. Tray 600x450x50 mm PC/TC	4	PIL/PK2/TRAY /02to05	06.03.20 19	05.03.20 20	EIE Instrum ents	
69	G.I. Tray 450x300x40 mm	4	PIL/PK2/TRAY /06to09	06.03.20 19	05.03.20 20	EIE Instrum ents	
70	G.I. Tray 300x300x40 mm	4	PIL/PK2/TRAY /10to13	06.03.20 19	05.03.20 20	EIE Instrum ents	
71	Digital Thermometer 0 to 300 C	4	PIL/PK2/THER M/01to04	07.03.20 19	06.03.20 20	EIE Instrum ents	
72	Thermometer Analog	2	PIL/PK2/THER M/05,06	07.03.20 19	06.03.20 20	EIE Instrum ents	
73	Vicat Apparatus	2	PIL/PK2/VCP/ 01,02	06.03.20 19	05.03.20 20	EIE Instrum ents	
74	Proctor Rammer 4.89 Kg	6	PIL/PK2/RMR /01to04	06.03.20 19	05.03.20 20	EIE Instrum ents	

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75	Proctor Mould Small	6	PIL/PK2/PRM/01,02	06.03.2019	05.03.2020	EIE Instruments	
76	CBR Mould 150 mm Dia	55	PIL/PK2/CBR/01to36	06.03.2019	05.03.2020	EIE Instruments	
77	CBR Spacer Disc	2	PIL/PK2/SPCR/01,02	06.03.2019	05.03.2020	EIE Instruments	
78	CBR Surcharge Weight(Slotted) 2.5 Kg	42	-	06.03.2019	05.03.2020	EIE Instruments	
79	CBR Surcharge Weight(Central) 5.0 Kg	42	-	06.03.2019	05.03.2020	EIE Instruments	
80	Tripod Stand for holding dial gauge	6	PIL/PK2/DIAL G/01to06	06.03.2019	05.03.2020	EIE Instruments	
81	Cassagrande LL App.	2	PIL/PK2/L.L./01	06.03.2019	05.03.2020	EIE Instruments	
82	Cone Penetrometer LL	1	PIL/PK2/L.L./02	06.03.2019	05.03.2020	EIE Instruments	
83	Sand Pouring Cylinder 200 mm	4	PIL/PK2/SPC/01 to 04	06.03.2019	05.03.2020	EIE Instruments	
84	Sand Pouring Cylinder 150 mm	4	PIL/PK2/SPC/05 to 08	06.03.2019	05.03.2020	EIE Instruments	
85	Sand Pouring Cylinder 100 mm	4	PIL/PK2/SPC/09 to 12	06.03.2019	05.03.2020	EIE Instruments	
86	Slump Cone App.	8	PIL/PK2/SLUMP/01to08	06.03.2019	05.03.2020	EIE Instruments	
87	Proving Ring 30 KN	1	PIL/PK2/PRR/01	06.03.2019	05.03.2020	EIE Instruments	

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88	Proving Ring 25 KN	2	PIL/PK2/PRR/02	06.03.2019	05.03.2020	EIE Instruments	
89	Standard Weight Box	1	PIL/PK2/WB/01	06.03.2019	05.03.2020	EIE Instruments	
90	Rapid Moisture Meter	6	PIL/PK2/RMM/01to06	28.02.2019	27.02.2020	EIE Instruments	1 Damage
91	Glass Beaker 100 ml Borosil	10	PIL/PK2/BCR/01to10	05.03.2019	04.03.2020	EIE Instruments	
105	Cube Testing Machine	1	PIL/PK2/CTM/01	25.05.2019	24.05.2020	Haridars han	
106	Flexural Testing Machine	1	PIL/PK2/FTM/01	06.03.2019	05.03.2020	EIE Instruments	
109	Aluminium Container 50x50 mm	400	PIL/PK2/CNT NR/01to400	12.03.2019	11.03.2020	In-House	
110	Aluminium Container 75x75 mm	200	PIL/PK2/CNT NR/401to600	12.03.2019	11.03.2020	In-House	

XII. Progress Photographs



VISWAMITRI RIVER AT 08.00 AM ON DT 10.08.2019



WATER LEVEL INCREASING AT VIRPUR BASE CAMP
ON DT . 11.08.2019 AT 08.30 AM



PADRA KARJAN ROAD BLOCKED DUE TO WATER LEVEL INCREASING
IN VISWAMITRI RIVER ON DT 12.08.2019



VIRPUR BASE CAMP STATUS 12.08.2019 , 08.45 AM

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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323+074 interchange RP2 Pile no 1 boring start 14.08.2019



323+074 interchange RP2 Pile No 7 Boring start 15.08.2019



Ch 323+074 pile cap p1 LHS dewatering work start 19.08.2019



323+074 working front improvement in progress for piling A1

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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323+074 PILE NO 6 RA 1 BORING START



323+074 Pile no 8 RA 1 Cage Lowering



323+074 POURING START PILE NO 08 RA 1



323+074 PILE CAP REINFORCEMENT STEEL BINDING IN PROGRESS FOR LP1

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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**323+074 PILE CAP EXCAVATION WORK ON
PROGRESS RA1**



323+074 ACCESS TO INTERCHANGE 04.08.2019



323+074 INTERCHANGE 04.08.2019



323+074 INTERCHANGE 04.08.2019

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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323+074 INTERCHANGE 10.08.2019



323+220 RAIN CUTS DATED 09082019



324+193 BORE COMPLETED PILE NO -05 LA2



324+193 PILE NO 5 LA 2 BOARING

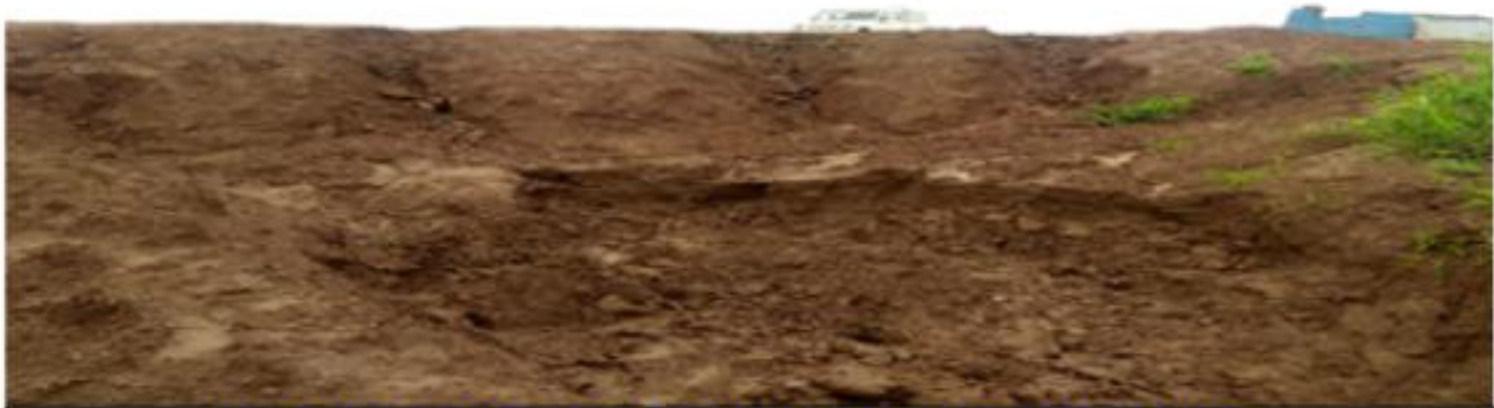
Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



324+410 CUP FLOODED DURING HEAVY RAIN 10.08.2019



RAIN CUTS BETWEEN 324+250 TO 324+380 DATE 08.08.2019



RAIN CUTS BETWEEN 324+250 TO 324+380 DATE 08..08.2019

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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325+850 RAIN CUT DATE 08.08.2019



326+957 VOP DEWATERING IN PROGRESS



326+957 VOP DIVERSION DAMAGED 09082019



329+062 MUD CLEANING FROM RAFT

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
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329+400 to 329+500 BHS BED ERODED BY RAIN CUT



Ch. 329+500 to 329+800 EMB. BED WASHED OUT



330+402 VUP RHS GSB IMPROVEMENT



330+402 VUP DEWATERING WORK COMPLETED

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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332+050 TO 332+150 FLOODED WATER 10082019



335+074 CURING OF BOX CULVERT LHS RAFT



335+664 RAFT REINFORCEMENT WORK ONGOING
FOR BOX CULVERT (LHS)



335+075 BOX CULVERT LHS RAFT COMPLETED

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
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335+402 steel fixing work in progress 14.08.2019



335+402 VUP LHS RAFT CONCRETING IN PROGRESS 16.08.2019



APPROACH FOR MJBR 336+835 DAMAGED / WASHED OUT DURING RAIN AND FLASH FLOODS
FROM 31.07.19 TO 08.08.2019



Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



**APPROACH ROAD FOR MAJOR BRIDGE DAMAGED
DATE 09.08.2019**



**339+687 CUP FLOODED DUE TO HEAVY RAIN FALL
10.08.2019**



**343+856 LVUP FLOODED WITH WATER DUE TO RAIN
11.08.2019**



RAIN CUTS 348 +220 DATE 10.08.2019

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
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344 +383 BORING STARTED AT RP1 PILE NO 4



344+383 PILE NO. 4 BORE COMPLETED.
PILE NO. 5 BORING STARTED RP 1



344+383 FLYOVER WROKING SITE FLOODED 10.08.2019



344+500

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



CUP 347 + 922 FLOODED 10.08.2019



349 + 220 BOX CULVERT 10.08.2019



349 + 441 VOP WATER FLOODED 10.08.2019



349 + 500 WATER FLOODED

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
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RAIN CUTS BETWEEN 348+150



RAIN CUTS BETWEEN 348+200 TO 348+400 DATE 08.08.2019



Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
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Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



353+666 INTERCHANGE FLOODED DUE TO HEAVY RAIN 10.08.2019



353+666 PILE NO. 6 BORING START OF LPS. INTERCHANGE 21.08.2019



353+666 PILING WORK IN PROGRESS



353+666 LP4 PILE NO 4 CAGE LOWERING

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



353+666 INTERCHANGE PILE NO. 12 RP5 13 CUM CONCRETE POURED



353+666 INTERCHANGE CAGE LOWERING 13.08.2019



353+666 LP5 PILE NO. 8 BORING STARTED 4th PILE OF THE DAY

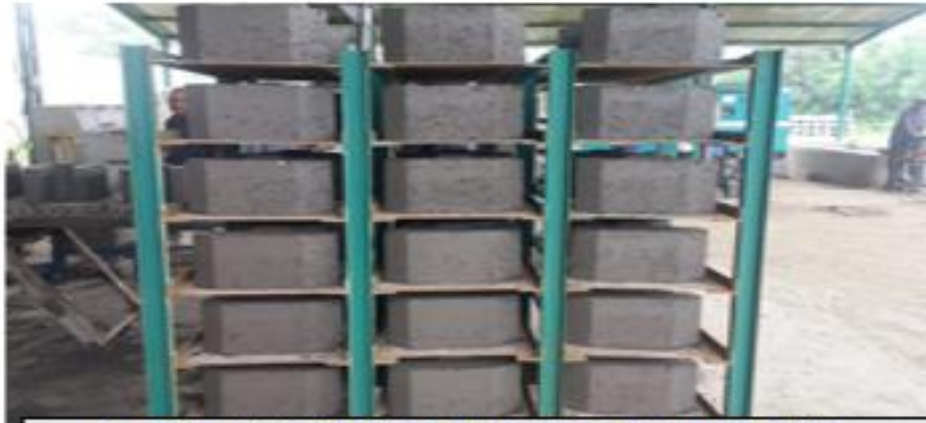


354+832 LAYOUT MARKING OF (VUP) 14.08.2019

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



RE WALL BLOCK CASTING IN PROGRESS. 19.08.2019



RE BLOCK CASTING WORK IN PROGRESS AT STRATA PLANT



DLC TRIAL MIX ULTRA TECH CEMENT GRADE 43 + FLY ASH 13.08.2019

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



SAFETY AT VIRPUR BASE CAMP



SAFETY AT VIRPUR BASE CAMP



349+441 VOP DIVERSION WORK IN PROGRESS



Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



PLACING OF SAFETY BARRIER 20.08.2019



SAFETY BOARD "MEN AT WORK" FIXING 20.08.2019

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



354+800 LVUP DIVERSION COMPLETED , SAFETY PROCESS IN PROGRESS 20.08.2019

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited

SITE VISIT DATED 09.08.2019



Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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