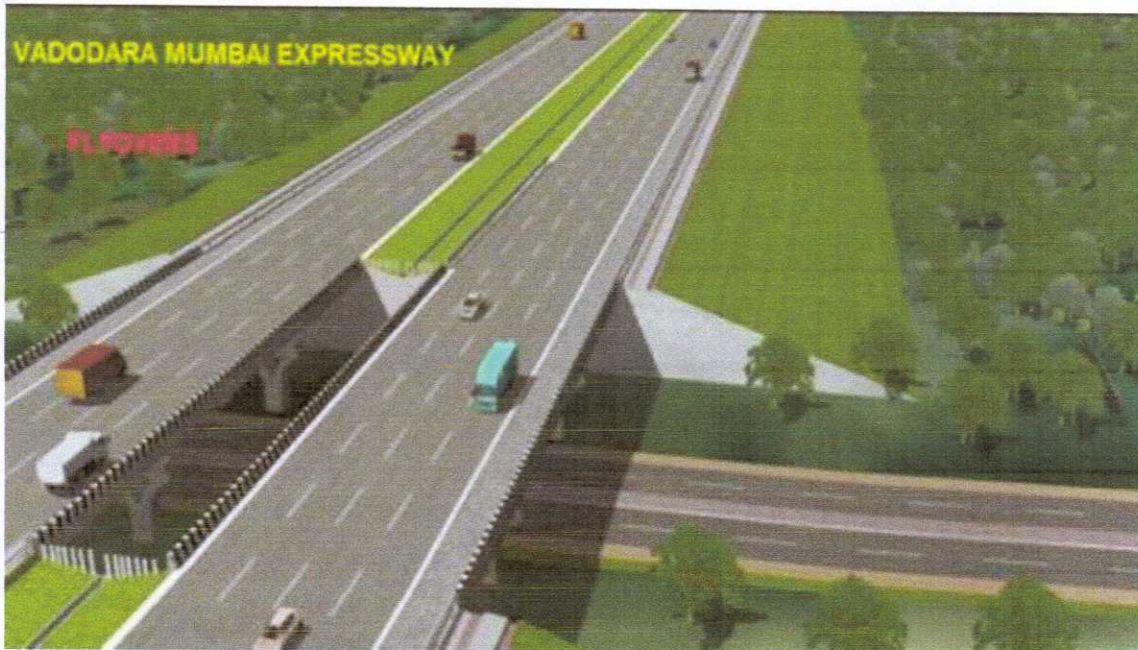


MONTHLY PROGRESS REPORT

FEBRUARY - 2020



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:

PATEL INFRASTRUCTURE LIMITED

PATEL HOUSE, CHANNI, VADODARA



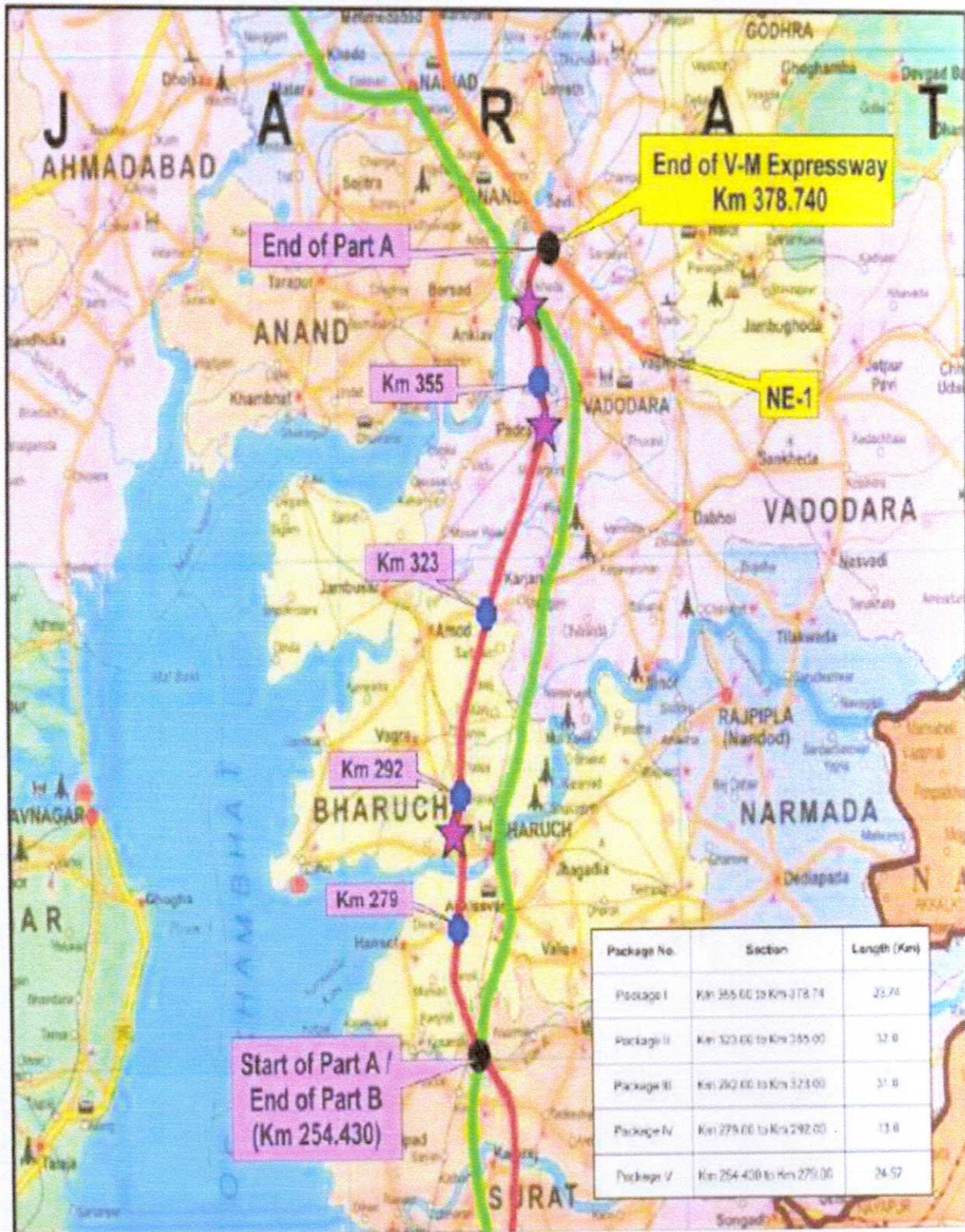
Every Milestone is Our Value

INDEX

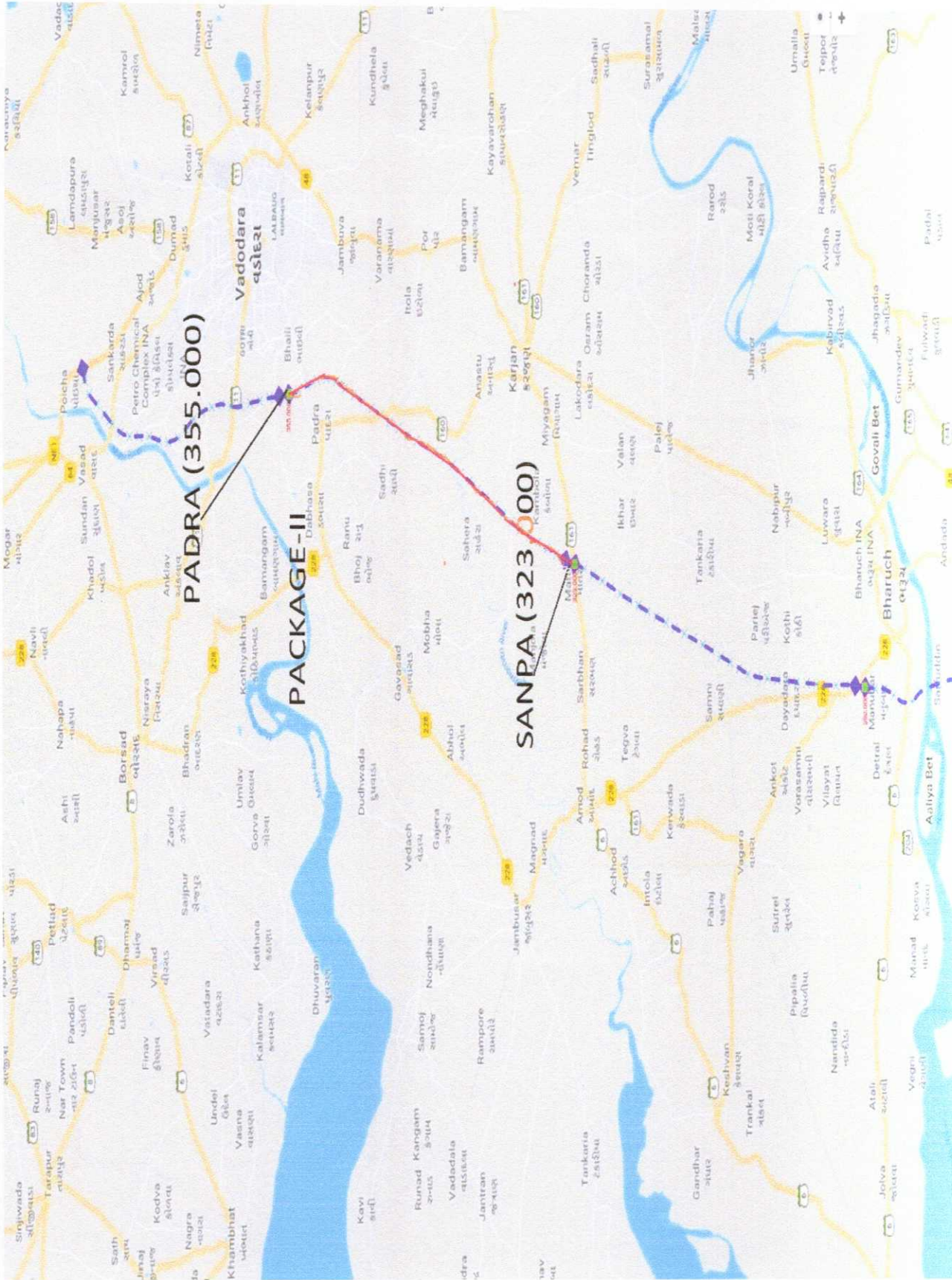
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I. LOCATION PLAN & KEY PLAN

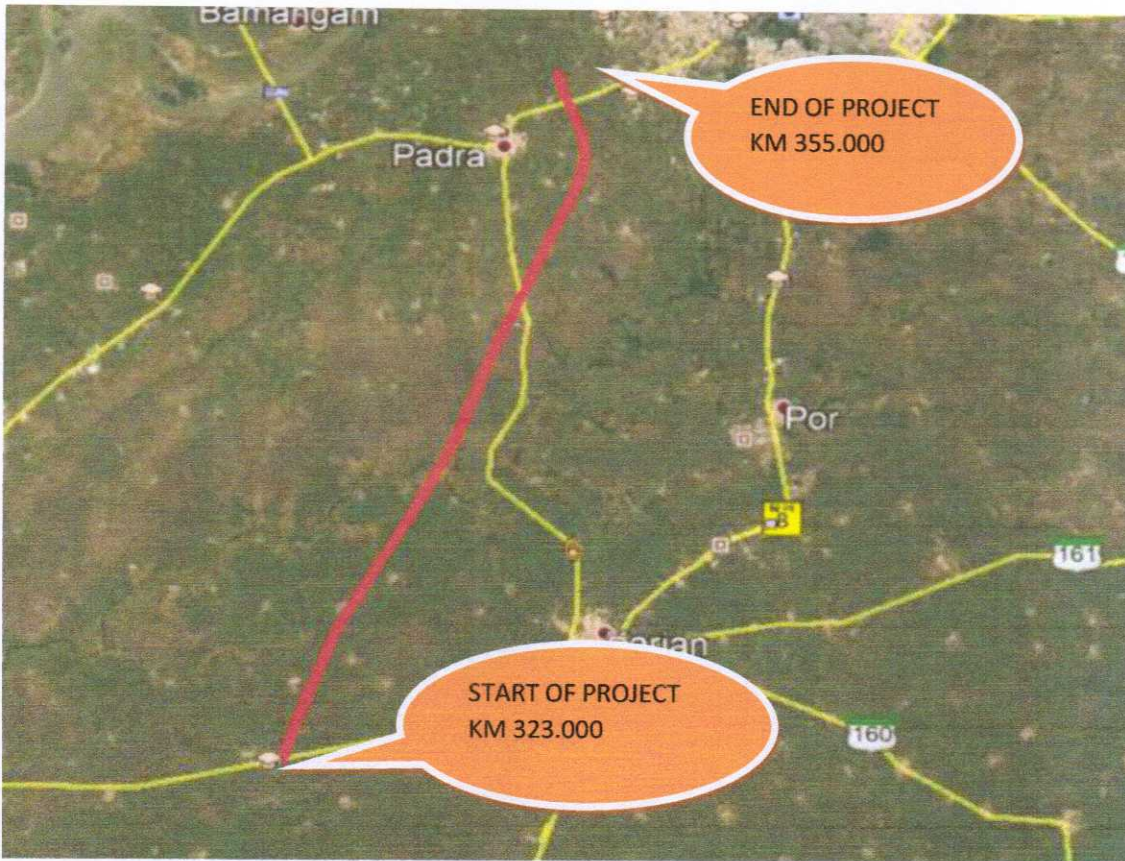
A. Key plan of Expressway



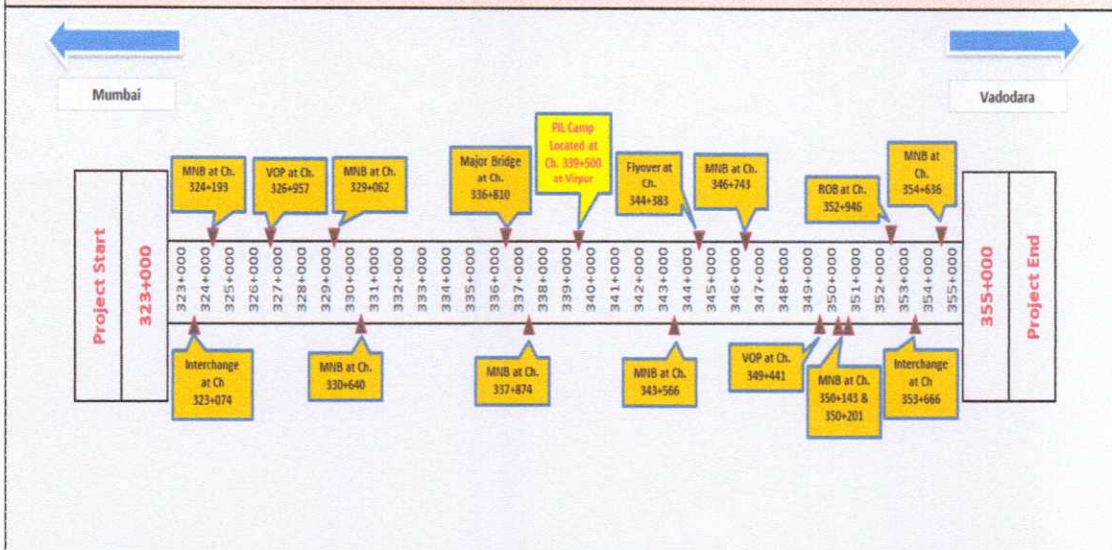
Construction of Eight lane Vadodra Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



B. KEY PLAN OF PROJECT



Location Map & Key Plan of the Project



II. EXECUTIVE SUMMARY

A. Project Synopsis

National Highways Authority of India (NHAI) in concession agreement with IRCON Vadodara Kim Expressway Limited (IVKEL) has undertaken the construction of new alignment 8-lane expressway from Sanpa to Padra from Km 355.000 to 323.000 (Length 32.00 Km) in the State of Gujarat under NHDP Phase-VI Package II.M/s Patel Infrastructure Limited (PIL) has been awarded by IVKEL for the construction of Eight Lane Vadodara Kim Expressway on EPC Mode.

The 8-lane controlled access expressway traverses through two districts viz. Karjan and Vadodara in Gujarat State. These districts are rich in industrial production. There are many industrial estates and factories both in public and private sector. The alignment starts near Sanpa at km 323+000 and passes through major villages Bodka, Kanabha, Handod, Sambhoi, Survada, Sadad, Husepur, Amla, Sarsavani, Goriyad, Ghayaj, Darapur, Patod, Sokhada, Samiyala and it ends at Gokalpura village near Vadodara at km 355.000.

The expressway comprises of rigid pavement for Main Carriageway and flexible pavement for the Connecting road. The Expressway alignment runs almost parallel to existing NH 48 on west side. It includes the construction of bridges, underpasses, overpasses, ROB, Flyover, intersections, Connecting roads, culverts, related infrastructure such as Truck parking, rest areas, toll plaza, wayside amenities, and also involves the installation of Advance Traffic Management system.

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.

Present status of approval of ROB drawing at chainage 352+946: The drawing was approved by Sr. DEN (Co) – BRC, Western Railway on 24.12.2018 and proof checked was done by IIT, BHU on 08.07.2019. GAD, reinforcement details, initial pile load test and design report have been submitted to Sr. DEN vide NHAI letter no. NHAI/PIU-Bharuch/P-2/222 dated 19.07.2019. Detail design and drawing of super structures of proposed ROB have been submitted to Western railway vide NHAI letter no. NHAI/PIU-Bharuch/P-2-5/340 on 19.08.2019.

This report covers the progress for the month of February 2020. The Embankment work of the main carriageway has been continued and 29.96 Km out of 30.52 Km is in progress. The Executive summary of the reporting month of February 2020 is shown below.

Executive Summary of the Project		
Sl. No	Key Reporting Metrics	Value%/Amount
1	Cumulative Scheduled Physical Progress (%)	41.73%
2	Cumulative Achieved Physical Progress up to Current month (%)	43.65%
3	Physical progress target during current month (%)	6.28%
4	Physical progress achieved during current month (%)	3.02%
5	Cumulative scheduled financial Progress (%)	32.50%
6	Cumulative Achieved Financial Progress up to Current month (%)	28.95%
7	Financial progress target during current month (%)	5.87%
8	Financial progress achieved during current month (%)	4.45%

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	24/01/2020	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

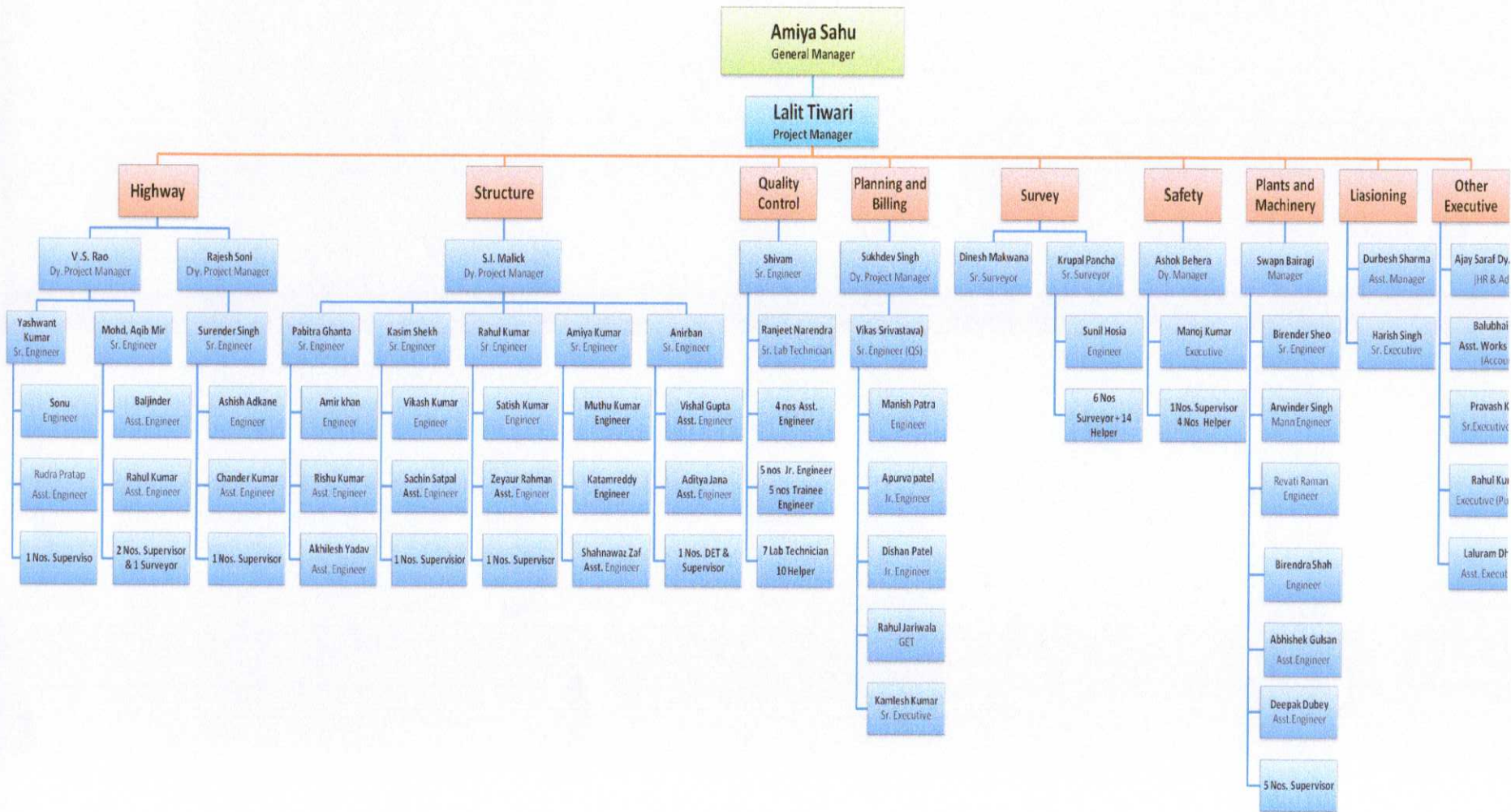
C. Details of MCW:

Sr. No.	Description	Length (in Km)
1	Embankment	30.52 Km
2	Sub grade	30.52 Km
3	G.S.B	30.52 Km
4	D.L.C	30.52 Km
5	P.Q.C	30.52 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+25.788mtr)
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	11	22	
2	Excavator	Nos	19	37	
3	Motor Grader	Nos	19	28	
4	Vibratory Roller/Soil Compactor	Nos	19	39	
5	Wet Mix Paver	Nos	0	0	
6	Wet Mix Plant	Nos	0	1	
7	DLC Paver	Nos	0	1	
8	PQC Paver	Nos	0	1	
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	86	148	
16	FE Loaders/Dozer	Nos	5	10	
17	Water Tanker	Nos	19	48	
18	Compressor	Nos	0	0	
19	Concrete Batching Plant	Nos	1	10	CP-45 (2),CP-18, CP-65, CP-115, H6N240, CP-250,CP-30(3)
20	Transit Mixers	Nos	9	40	
21	Concrete Pump + Boom placer	Nos	2	3	
22	Kerb Machine	Nos	0	0	
23	Crusher - 250 MT	Nos	1	0	
24	Weigh Bridge	Nos	4	2	
25	Tractor	Nos	3	10	
26	Diesel Tanker	Nos	2	5	
27	Tempo	Nos	3	0	
28	Tower Light	Nos	4	8	
29	Hydra Crane	Nos	2	6	
30	Vibratory Rammer	Nos	2	0	
31	Dewatering Pump (Portable)	Nos	5	7	
32	Baby Roller	Nos	2	2	
33	Trailor / Platform Truck	Nos	1	6	
34	Vibrator (Needle Type)	Nos	4	12	
35	Kerb Cutter	Nos	2	0	
36	Pile Boring machines	Nos.	6	10	

G. Details of Applicable Permits:

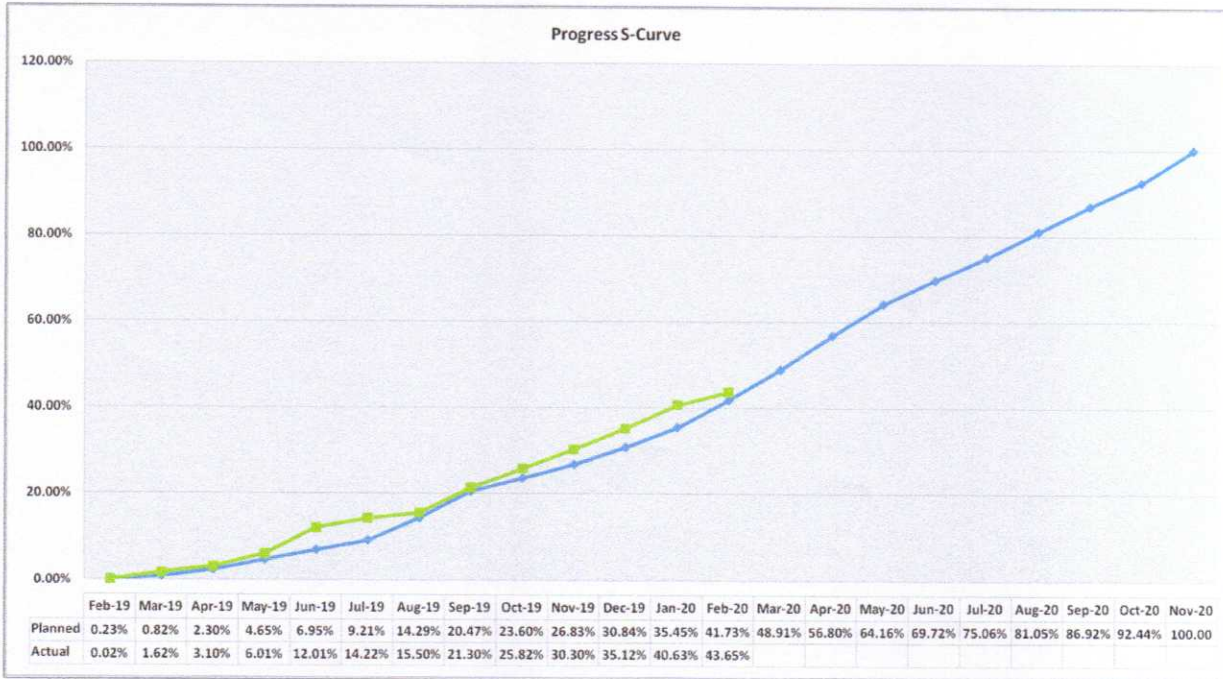
Status of Applicable Permits (As per Schedule F) as on 29th February-20				
Sl. No	Description	Status	Receiving Date	Remarks
1	Permission of the State Government for extraction of boulders from quarry for and in respect of at least 20 (twenty) percent of the total length of the project;	Received	06.12.2018	
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 04/11/2019 to the overall scope of the work.

The physical percentage achieved is 43.65% as on 29th Feb. 2020.



Given below is the summary of status of the works executed as on 29th Feb. 2020

Highway Progress:

Sr. No.	Item	Unit	Scope of work	Completed	Work in Progress	Balance work
1	C & G	Km	30.52	29.96	0.56	
2	Embankment	Km	30.52	18.7	11.26	0.56
3	Sub grade	Km	30.52	11	7.7	11.82
4	GSB	Km	30.52	8.3	2.7	19.52
5	DLC	Km	30.52	4	0.5	26.02
6	PQC	Km	30.52	0	0	30.52

Refer **Annexure 1:** Calculation of Physical Progress and **Annexure -3:** Strip Plan showing progress of Expressway for details.

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

B. Structure Progress:

SR. No	Type Of Structure	Total No. of Structure as per CA	Completed Structure	No of Work in progress of structure	Structure To be Taken.	Remarks
1	HPC	42	42	0	0	1.) Pipe laid in 80 (m) length
2	BOX Culvert	52	23	18	11	1.) 38 no Raft Completed and 34.5Nos Wall 1st lift Completed, and At location 23 Slab Completed
3	Flyover	1	0	1	0	1.) At Location 344+360 All Pile completed. 8 Pile caps completed, 2 Abutment cap & 2 Pier cap Completed
4	ROB	1	0	0	1	Not Started
5	MJB	1	0	1	0	1.) At Location 336+835, Pile work in progress
6	MNB	9	0	9	0	Pile work completed. Substructure is in progress.
8	Interchange	2	0	2	0	1.) At location 324+074, Pile and Pile cap completed. Substructure work in progress. 2.) At location 353+666, Pile cap Completed and substructure work in progress.
9	VOP	2	0	2	0	1.) At Location 349+441, Pile & Pile cap completed. 2). At Location 326+957, Pile & Pile cap completed
10	LVUP	8	6	2	0	1.) Substructure Completed & Superstructure work is in progress.
11	VUP	5	5	0	0	1.) Substructure & Superstructure work is in progress.
12	P/CUP	34	21	13	0	1.) Foundation of 34 nos. Completed, 28.5 Wall completed and 21 Slabs Completed.
Total		157	97	49	12	

Refer **Annexure 1:** Calculation of Physical Progress and **Annexure -3:** Strip Plan showing progress of Expressway for details

V. Status of Land Acquisition

- Total land for which compensation was paid by NHA/CALA as on 29th Feb 2019 is **97.61 %** i.e. **31.235 Km.** out of total 32km.
- Length of various utilities(hindrances) falling in the clear length of 31.235 km is **3.540 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 4A
Total Hindered length due to water pipeline etc.	255	Annexure 4B
Total Hindered Area due to Disputed Land	975	Annexure 4C
Grand Total	3540	

- Net unencumbered/Unhindered length of road = **31.235 – 3.540 = 27.70 km. I.e. 88.68%.**
- 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

Date	29 th February 2020	
Utilities	Nos.	Status
MGVCL	-	Out of total 44 Estimates, 39 Estimates approved by RO office on 22.11.2019 while balance 5 Estimates approved by RO office on 17.12.2019. MGVCL demanded 15% of estimate value as supervision charge while NHA calculated supervision charges of MGVCL @2.5% of estimate value which is till date not acceptable by MGVCL.
GETCO	8	GETCO Estimates approved by RO office on 05.12.2019. Demand Draft (DD) towards supervision charges deposited by PIU, Bharuch on 19.12.2019 which was returned by GETCO with some observations on 24.12.2019. PIU, Bharuch re-submitted DD towards supervision charges on 07.01.2020. GETCO immediately returned DD with a letter saying that Estimates validity period has expired and need to be re-initiated by GETCO on request from NHA. GETCO sent revised estimate to PIU Bharuch on 30.01.2020.
PGCIL	1	PGCIL sent Estimates to PIU, Bharuch on 18.10.2019 which was forwarded to IE on 01.11.2019. IE recommended the Estimates on 13.11.2019. As desired by IE & PIU, Bharuch, PGCIL submitted justifications for any variation in Contingency, Overhead, Supervision etc. from NHA guidelines on 09.12.2019 and RO Office approved the estimate on 21.01.2020.
TORRENT	1	Final revised estimates along with all compliances to the observations on previous estimates was submitted by Torrent to PIU, Bharuch on 29.11.2019 which was forwarded to IE by PIU, Bharuch vide email on 19.12.2019. IE recommended the estimates on 20.12.2019. Approval from RO office is awaited.
GWSSB	4	IE vide letter dated 16.08.2019, reviewed the estimates submitted by GWSSB & forwarded by NHA, PIU Bharuch and recommended to PIU Bharuch for approval. PIU Bharuch vide letter dated 04.10.2019 raised some observations on the estimates to GWSSB which is complied by GWSSB on 08.11.2019 by GWSSB. PIU, Bharuch forwarded the compliances submitted by GWSSB to IE on 11.11.2019 which was once again recommended by IE to PIU on 22.11.2019. DD towards supervision charges deposited by PIU on 08.01.2020.
ONGC	10	After conducting survey of lines by ONGC nominated committee on 07.08.2019, a meeting was held on 09.08.2019 at their Ankleshwar office for some clarification. Discussed the matter of getting " work permission" from ONGC with their GM Sh. Rao on 17.09.2019 and came to know that because of ONGC well which is coming at a distance of 10 metre from our ROW as against 50 metre as desired by ONGC, the matter has been referred to Ministry of Petroleum for further guidance. On pursuance by Concessionaire, a meeting is scheduled on 13.01.2020 with CGM and operation head on how to expedite the approval process.
GAIL	3	As per advise of PIU/NHA, Concessionaire has sent a request letter along with GADs of affected structures to PIU/NHA for further intimation to GAIL Authorities regarding the construction of these affected structures. PIU Bharuch also sent duly signed GADs of affected structures to GAIL. As desired by GAIL DGM Sh. Soni, a presentation giving details of pipelines and proposed structures along with their coordinates has been sent to GAIL. Site visit by GAIL representatives done. GAIL has issued two letters to PIU Bharuch for Saraswani and interchange at Padra respectively on 05.11.2019 which was replied by PIU on 20.12.2019. GAIL further sent a demand note for deposition of supervision and other charges on 23.12.2019 and PIU Bharuch deposits supervision charge on 25.01.2020.
GSPL	2	Agreement signed between NHA & GSPL. NOC received from GSPL.

VII. STATUS OF DESIGN & DRAWING

Sr. No	Type of Structure	Total scope (Nos)	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Nos. of structures Balance to be reviewed by IE	Chainage	Submitted to IE/IRCON on	Comments from IE/IRCON on	Compliance given on
1	Interchange	2	2	1	1	323+075	PIL/HO/VKE2/IRCON/577/2019 Dt. 13.08.2019	M.O.M. dated 23.09.19 to 26.09.19	Via mail to IE HO designer dated 12.10.2019
						353+666	PIL/HO/VKP2/IRCON/580/2019 dt. 17.08.2019	M.O.M. dated 23.09.19 to 26.09.19	<u>PIL-HO-VKP2-IRCON-695-2019 Dt. 16.11.2019</u>
2	Major Bridge	1	1	0	1	336+830	Submitted to IE-HO By SES by mail of dt. 19.06.2019	IRCON/3019/VKE/PAT EL/847 dt. 24.09.2019	-
3	VOP	2	2	0	2	326+957	PIL/HO/VKP2/IRCON/604/2019 Dt. 28.08.2019	-	-
						349+441	PIL/HO/VKP2/IRCON/183/2019 dt. 20.03.2019	IRCON/3019/VKE/PAT EL/370 dt. 03.05.2019	PIL/HO/VKP2/IRCON/638/2019 Dt. 04.10.2019
4	Minor Bridge	9	9	4	5	324+193	PIL/HO/VKP2/IRCON/ 765/2019 Dt. 17.12.2019	-	
						329+062	PIL/VKP2/IRCON/308/2019 dt. 28.11.2019	IE Letter no. 459 - 31.05.2019 & IRCON letter no. 489	PIL/HO/VKE2/IRCON/495/2019 Dt. 01.07.2019

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						dt.11.06.2019	
					330+63 0	PIL/HO/VKE2/IRCON/ 676/2019 Dt. 06.11.2019	IRCON letter no. 993 dt. 28.11.2019
					337+87 4	PIL/VKP2/IRCON/309/2019 dt. 28.11.2019	-
					343+50 0	PIL/HO/VKE2/IRCON/ 671/2019 Dt. 05.11.2019	IRCON/3019/VKE/PAT EL/4092 dt. 26.11.2019
					346+74 3	R1 -PIL/HO/VKE2/IRCON/563/2019 Dt. 07.08.2019	IRCON/3019/VKE/PAT EL/1039 dt. 09.12.2019 (For GT)
					350+14 3	PIL/HO/VKP2/IRCON/324/2019 Dt. 09.05.2019	IRCON/3019/VKE/PAT EL/495 dt. 11.06.2019, IE letter no. 482 - 06.06.2019
					350+20 1	PIL/HO/VKE2/IRCON/ 693/2019 Dt. 14.11.2019	IRCON/3019/VKE/PAT EL/1066 dt. 16.12.2019
					354+63 6	PIL/HO/VKP2/IE/787/2019 Dt. 24.12.2019 (GFC)	-

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
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5	Flyover	1	1	0	1	344+36 0	PIL/HO/VKE2/IRCON/593/2019 Dt. 23.08.2019 & 597 Dt. 26.08.2019	M.O.M. dated 23.09.19 to 26.09.19	-
6	ROB	1	1	0	1	352+94 5	PIL/HO/VKP2/IRCON/520/2019 Dt. 15.07.2019 & PIL/HO/VKP2/IRCON/579/2019 Dt. 17.08.2019	-	-
7	VUP	5	5	5	0	330+40 2	PIL/HO/VKE2/IRCON/533/2019 Dt. 20.07.2019	IRCON/3019/VKE/PAT EL/853 dt. 27.09.2019 for bar No. 16	-
						331+82 2	PIL/HO/VKE2/IRCON/501/2019 Dt. 02.07.2019	IRCON letter no. 497 dt. 11.06.2019	PIL/HO/VKE2/IRCON/5 01/2019 Dt. 02.07.2019
						335+40 2	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	-	-
						341+82 6	PIL/HO/VKE2/IRCON/501/2019 Dt. 02.07.2019	IRCON letter no. 497 dt. 11.06.2019	PIL/HO/VKE2/IRCON/5 09/2019 Dt. 10.07.2019
						351+28 4	PIL/HO/VKE2/IRCON/501/2019 Dt. 02.07.2019	IRCON letter no. 497 dt. 11.06.2019	PIL/HO/VKE2/IRCON/5 01/2019 Dt. 02.07.2019
8	LVUP	8	8	2	6	-	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 dated 15.03.2019	2 nos. Approved by IRCON Letter no. 758 dt. 23.08.2019 (343+877 & 354+855)	-

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

9	PUP/CU P	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)	-
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 mail 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	-
11	Pipe Culvert	42	42	42	0	-	42 Nos. Submitted by PIL/HO/VKE2/IRCON/362/2019 Dt. 24.05.2019	42 nos. IRCON/3019/VKE/PAT EL/476 dt. 06.06.2019	42 Nos. Submitted by PIL/HO/VKE2/IRCON/499/2019 Dt. 02.07.2019
	Total =	244	197	130	49				

VIII. Weather report for the month of February'20

S. No.	DATE	TEMPRATURE (°C)		HUMIDITY (%)		RAINFALL (mm)	CUMMULATIVE RAINFALL	WEATHER
		Min.	Max.	Min.	Max.			
1	1-Feb-20	16.70	26.70	31.00	65.00	-	-	Sunny
2	2-Feb-20	15.10	27.60	32.00	65.00	-	-	Sunny
3	3-Feb-20	16.20	27.50	32.00	66.00	-	-	Sunny
4	4-Feb-20	16.03	27.10	31.00	64.00	-	-	Sunny
5	5-Feb-20	15.06	28.60	32.00	66.00	-	-	Sunny
6	6-Feb-20	16.04	27.50	31.00	65.00	-	-	Sunny
7	7-Feb-20	16.20	28.70	28.00	63.00	-	-	Sunny
8	8-Feb-20	16.20	28.70	28.00	63.00	-	-	Sunny
9	9-Feb-20	16.20	28.70	28.00	63.00	-	-	Sunny
10	10-Feb-20	16.28	28.80	31.00	68.00	-	-	Sunny
11	11-Feb-20	21.20	30.40	40.00	61.00	-	-	Sunny
12	12-Feb-20	21.80	31.40	40.00	65.00	-	-	Sunny
13	13-Feb-20	21.50	30.90	39.00	62.00	-	-	Sunny
14	14-Feb-20	18.90	31.80	31.00	68.00	-	-	Sunny
15	15-Feb-20	20.50	30.60	31.00	63.00	-	-	Sunny
16	16-Feb-20	21.80	32.10	36.00	65.00	-	-	Sunny
17	17-Feb-20	22.00	32.70	28.00	51.00	-	-	Sunny
18	18-Feb-20	21.30	33.40	35.00	58.00	-	-	Sunny
19	19-Feb-20	21.10	32.90	28.00	67.00	-	-	Sunny
20	20-Feb-20	21.30	33.10	33.00	62.00	-	-	Sunny
21	21-Feb-20	20.40	32.70	31.00	70.00	-	-	Sunny
22	22-Feb-20	20.70	31.70	31.00	72.00	-	-	Sunny
23	23-Feb-20	20.20	31.70	25.00	72.00	-	-	Sunny
24	24-Feb-20	20.10	31.70	25.00	72.00	-	-	Sunny
25	25-Feb-20	20.30	30.90	25.00	60.00	-	-	Sunny
26	26-Feb-20	20.80	31.60	25.00	58.00	-	-	Sunny
27	27-Feb-20	21.40	32.70	25.00	77.00	-	-	Sunny
28	28-Feb-20	21.90	33.90	25.00	61.00	-	-	Sunny
29	29-Feb-20	21.90	32.20	33.00	61.00	-	-	Sunny
Cumulative Rainfall Till Date							-	mm

IX. Status of RFI

<u>MONTH :- February 2020.</u>				
Sr.No.	Total RFI	Approved RFI	RFI Re-submitted after corrections suggested	Remarks
<u>Highway</u>				
1	651	598	53	
<u>Structure</u>				
2	500	453	47	
<u>Laboratory (QA/QC)</u>				
3	40	37	3	
<u>Survey</u>				
4	0	0	0	

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

Physical Progress

Concessionair :- IRCON VADODARA-KIM EXPRESSWAY PVT LTD

EPC Contractor:- Patel Infrastructure Ltd.

Date:- 29/02/2020

Sl. No	Task	Unit	Total Qty	Rev. Wt%	Achieved Qty	% Progress
1	Road Works					
	Clearing and grubbing of -MCW	Km	30.52	0.045%	29.96	0.04%
	Construction of embankment upto 1 mtr	Km	30.52	5.54%	25.71	4.67%
	Construction of embankment from 1 mtr - 2 mtr	Km	30.52	4.60%	22.51	3.39%
	Construction of embankment from 2 mtr - 3 mtr	Km	30.52	3.68%	19.19	2.31%
	Construction of embankment from 3 mtr - Emb Top	Km	30.52	4.60%	18.74	2.82%
	Construction of Sub grade - MCW	Km	30.52	1.84%	11.00	0.66%
	Constructing Grannular Sub-base	Km	30.52	3.26%	8.3	0.89%
	Medians	Km	30.52	0.12%		0.00%
	Shoulders	Km	64	0.06%	4.5	0.00%
	200mm dia. NP4 pipes	Km	30.52	0.537%		
	DLC	Km	30.52	4.39%	4	0.58%
	PQC	Km	30.52	21.51%		
2	Pipe Culverts					
	Culvert Excavation	Nos	42	0.01%	42	0.01%
	Culvert PCC M15 grade	Nos	42	0.01%	42	0.01%
	Providing , laying and jointing NP4 Hume pipes for culverts	Nos	42	0.37%	42	0.37%
3	Box Culvert					
	Culvert Excavation	Nos	52	0.04%	41	0.03%
	Culvert PCC M15 grade	Nos	52	0.39%	40.5	0.30%
	Foundation RCC M 30 - Culvert	Nos	52	1.18%	38	0.86%
	Substructre RCC M 30 - Culvert	Nos	104	1.33%	69	0.88%
	Super Structure RCC M 30 - Culvert	Nos	52	0.73%	23	0.32%
4	CUP/PUP					
	Structure excavation Ordinary and soft Soils - PUP	Nos	34	0.09%	34	0.09%
	PUP - PCC M15 grade Levelling course	Nos	34	0.25%	34	0.25%
	PUP - RCC M35 Raft	Nos	34	2.77%	34	2.77%
	PUP RCC M35 Wall	Nos	68	1.22%	57	1.02%
	PUP - RCC M35 - TOP Slab	Nos	34	1.24%	21	0.77%
5	LVUP/VUP					
	Structure excavation Ordinary and soft Soils - VUP	Nos	13	0.04%	13	0.04%
	VUP - PCC M15 grade - Levelling course	Nos	13	0.10%	13	0.10%
	VUP - RCC M35 - Raft	Nos	13	1.10%	13	1.10%
	VUP - RCC M35 - WALL	Nos	26	0.76%	26	0.76%
	RCC M35 - TOP SLAB	Nos	13	0.35%	11	0.30%
6	Connecting Roads					
	Construction of Subgrade course	Km	4.385	0.08%		
	Construction of GSB Course	Km	4.385	0.17%		
	Constructing Wet Mix Macadam base	Km	4.385	0.22%		
	Dense Bituminous Macadam course- Connecting road	Km	4.385	0.23%		
	Bituminous Concrete - Connecting Road	Km	4.385	0.165%		
7	Retaining Wall+Toe Wall					
	Excavation of Retaining Wall + Toe Wall	Km	3.305	0.05%	2.45	0.03%
	PCC Retaining Wall + Toe Wall	Km	3.305	0.12%	2.250	0.08%
	Retaining Wall + Toe Wall	Km	3.305	4.69%	2.6	3.69%
8	VOP at Chainage 326+957					
	Excavation for foundation	Nos	3	0.001%	3	0.00%
	Pile Foundation	Nos	14	0.050%	14	0.05%
	Pile Foundation Cap	Nos	3	0.090%	3	0.09%
	Abutment	Nos	2	0.008%	2	0.01%
	PIER	Nos	1	0.004%	1	0.00%
	Abutment/Pier Cap	Nos	3	0.015%	3	0.01%
	Girder	Nos	8	0.032%	4	0.02%
	Deck Slab	Nos	2	0.075%	0	0.00%
	Finishing Works	Nos	1			
9	VOP at Chainage 349+441					
	Excavation for foundation	Nos	3	0.001%	3	0.00%
	Pile Foundation	Nos	21	0.050%	21	0.05%
	Pile Foundation Cap	Nos	3	0.090%	3	0.09%

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

Physical Progress

Concessionair :- IRCON VADODARA-KIM EXPRESSWAY PVT LTD

EPC Contractor:- Patel Infrastructure Ltd.

Date:- 29/02/2020

Sl. No	Task	Unit	Total Qty	Rev. Wt%	Achieved Qty	% Progress
	Abutment	Nos	2	0.008%	2	0.01%
	PIER	Nos	1	0.004%	1	0.00%
	Abutment/Pier Cap	Nos	3	0.015%	3	0.01%
	Girder	Nos	8	0.032%	4	0.02%
	Deck Slab	Nos	2	0.075%	0	0.00%
	Finishing Works	Nos	1			
10	Flyover at Ch. 344+360					
	Excavation for foundation	Nos	8	0.002%	8	0.00%
	Pile Foundation	Nos	92	0.542%	92	0.54%
	Pile Foundation Cap	Nos	8	0.083%	8	0.08%
	Abutment	Nos	16	0.044%	13	0.04%
	PIER	Nos	16	0.045%	13	0.04%
	Abutment/Pier Cap	Nos	8	0.103%	4	0.05%
	Girder	Nos	42	0.187%	6	0.03%
	Deck Slab	Nos	6	0.110%		
	Finishing Works	Nos	1			
11	Major Bridge at Ch. 336+830					
	Excavation for foundation	Nos	14	0.007%	14	0.01%
	Pile Foundation	Nos	228	1.522%	180	1.20%
	Pile Foundation Cap	Nos	14	0.165%	10	0.12%
	Abutment	Nos	4	0.118%	3	0.09%
	PIER	Nos	10	0.257%	5	0.13%
	Abutment/Pier Cap	Nos	14	0.192%	1	0.01%
	Girder	Nos	84	0.680%	4	0.03%
	Deck Slab	Nos	12	0.342%	0	0.00%
	Finishing Works	Nos	1			
12	ROB at Ch, 352+926					
	Excavation for foundation	Nos	6	0.005%		
	Pile Foundation	Nos	60	0.726%		
	Pile Foundation Cap	Nos	6	0.121%		
	Abutment	Nos	12	0.238%		
	PIER	Nos	6	0.025%		
	Abutment/Pier Cap	Nos	6	0.083%		
	Girder	Nos	40	1.230%		
	Deck Slab	Nos	4	0.051%		
	Finishing Works	Nos	1			
13	Interchnage at Ch. 323+074					
	Excavation for foundation & PCC	Nos	8	0.014%	8	0.01%
	Pile Foundation	Nos	80	1.813%	80	1.81%
	Pile Foundation Cap	Nos	8	0.341%	8	0.34%
	Abutment	Nos	12	0.369%	11	0.34%
	PIER	Nos	12	0.123%	10	0.10%
	Abutment/Pier Cap	Nos	8	0.189%	6	0.14%
	Girder	Nos	42	0.455%	23	0.25%
	Deck Slab	Nos	6	0.204%		
	Finishing Works	Nos	1	0.000%		
14	Interchange at Ch. 353+666					
	Excavation for foundation & PCC	Nos	16	0.014%	16	0.01%
	Pile Foundation	Nos	200	2.719%	200	2.72%
	Pile Foundation Cap	Nos	16	0.341%	16	0.34%
	Abutment	Nos	14	0.061%	13	0.06%
	PIER	Nos	42	0.306%	39	0.28%
	Abutment/Pier Cap	Nos	16	0.189%	6	0.07%
	Girder	Nos	84	0.455%	25	0.14%
	Deck Slab	Nos	14	0.273%		
	Finishing Works	Nos	1	0.000%		

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

Physical Progress

Concessionair :- IRCON VADODARA-KIM EXPRESSWAY PVT LTD

EPC Contractor:- Patel Infrastructure Ltd.

Date:- 29/02/2020

Sl. No	Task	Unit	Total Qty	Rev. Wt%	Achieved Qty	% Progress
15	Minor Bridge at Ch. 324+193					
	Pile Foundation	Nos	32	0.320%	32	0.32%
	Pile Foundation Cap	Nos	4	0.121%	4	0.12%
	Abutment (RCC Wall Type)	Nos	4	0.114%	3	0.09%
	Abutment/Pier Cap	Nos	4	0.060%	2	0.03%
	Girder	Nos	14	0.069%	4	0.02%
	Deck Slab	Nos	2	0.088%	0	0.00%
	Finishing Works	Nos	1			
16	Minor Bridge at Ch. 329+062					
	Excavation for foundation	Nos	1	0.024%	1	0.02%
	PCC	Nos	1	0.070%	1	0.07%
	Raft	Nos	1	0.235%	1	0.24%
	Wall	Nos	2	0.146%	2	0.15%
	Slab	Nos	1	0.088%	1	0.09%
	Finishing Works	Nos	1	0.054%	0	0.00%
17	Minor Bridge at Ch. 330+630					
	Pile Foundation	Nos	72	0.320%	72	0.32%
	Abutment	Nos	72	0.121%	58	0.10%
	Abutment/Pier Cap	Nos	8	0.114%	4	0.06%
	Girder	Nos	56	0.060%	11	0.01%
	Deck Slab	Nos	4	0.069%		
	Finishing Works	Nos	1	0.088%		
18	Minor Bridge at 337+874					
	Excavation for foundation	Nos	1	0.024%	1	0.02%
	PCC	Nos	1	0.070%	1	0.07%
	Raft	Nos	1	0.235%	1	0.24%
	Wall	Nos	2	0.146%	2	0.15%
	Slab	Nos	1	0.088%	1	0.09%
	Finishing Works	Nos	1	0.054%	0.5	0.03%
19	Minor Bridge at 343+566					
	Pile Foundation	Nos	125	0.320%	125	0.32%
	Abutment	Nos	125	0.121%	115	0.11%
	Abutment/Pier Cap	Nos	8	0.114%	4	0.06%
	Girder	Nos	109	0.060%	10	0.01%
	Deck Slab	Nos	8	0.069%	0	0.00%
	Finishing Works	Nos	1	0.088%	0	0.00%
20	Minor Bridge at 346+743					
	Excavation for foundation	Nos	1	0.024%	1	0.02%
	PCC	Nos	1	0.070%	1	0.07%
	Raft	Nos	1	0.235%	1	0.24%
	Wall	Nos	2	0.146%	2	0.15%
	Slab	Nos	1	0.088%	1	0.09%
	Finishing Works	Nos	1	0.054%		
21	Minor Bridge at Ch. 350+143					
	Pile Foundation	Nos	28	0.101%	28	0.10%
	Abutment	Nos	28	0.121%	25	0.11%
	Abutment/Pier Cap	Nos	4	0.114%	2	0.06%
	Girder	Nos	14	0.060%	2	0.01%
	Deck Slab	Nos	2	0.069%		
	Finishing Works	Nos	1	0.088%		
22	Minor Bridge at Ch. 350+201					
	Excavation for foundation	Nos	4	0.024%	4	0.02%
	PCC	Nos	4	0.070%	4	0.07%
	Raft	Nos	4	0.235%	4	0.24%
	Wall	Nos	4	0.147%	2	0.07%
	Slab	Nos	2	0.108%	0	0.00%
	Finishing Works	Nos	1	0.034%		

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

Physical Progress

Concessionair :- IRCON VADODARA-KIM EXPRESSWAY PVT LTD

EPC Contractor:- Patel Infrastructure Ltd.

Date:- 29/02/2020

Sl. No	Task	Unit	Total Qty	Rev. Wt%	Achieved Qty	% Progress
23	Minor Bridge at Ch. 354+636					
	Pile Foundation	Nos	56	0.320%	56	0.32%
	Abutment	Nos	56	0.121%	46	0.10%
	Abutment/Pier Cap	Nos	8	0.114%	6	0.09%
	Girder	Nos	50	0.060%	25	0.03%
	Deck Slab	Nos	4	0.069%		
	Finishing Works	Nos	1	0.088%		
24	Toll Plaza					
	Operation & Office building at toll plaza	Nos	2	1.865%		
	Roof over Toll plaza	Nos	2	0.205%		
	Providing and fixing of Toll booth	Nos	2	0.040%		
	Toll plaza sign boards	Nos	2	0.155%		
	Toll Plaza Facilities	Nos	2	0.159%		
25	DRAINAGE					
	Construction of Drains	Km	30.52	1.197%		
26	Traffic signs, Road markings and other road appurtunences					
	Road signs, markings, Km stones, Road Delineators, Reflective Pavement Markers & Solar Studs, Traffic Impact Attenuators, Road Boundary Stone, Kilometer and Hectometer Stone	km	32	0.451%		
	Pavement marking	km	64	0.228%		
	Providing and erecting " Thrie " metal beam crash barrier	km	30.52	1.190%		
27	Project facilities					
	Wayside Amenities/Service Area	LS	2	0.883%		
	Providing operational and maintenance Center	Nos	2	0.442%		
	Providing lighting including all	KM	32	0.077%		
	Providing Advanced Traffic Management Systems (ATMS)	Km.	32	0.565%		
	Providing & Placing Noise Barrier	Km	9.3	0.290%		
	Providing Rain Water Harvesting	Km	62	0.062%		
	Providing Chain Link Fencing in ROW	Km	30.52	1.190%		
	Providing min 600 mm dia NP4 pipes across the road for utility work	Nos.	62	0.197%	62	0.200%
28	Land Scaping and Tree plantation					
	Land Scaping and Tree plantation	Km	30.52	0.146%		
29	RE Walls					
	Reinforced Earth Walls at Flyover and VOP - Blocks Casting	Sqm	35787	0.405%	35700	0.40%
	Reinforced Earth Walls at Flyover and VOP - Blocks laying	Sqm	35787	0.405%	3500	0.040%
30	Boulder pitchin on slopes					
	Providing and laying filter media underneath stone pitching	km	30.52	0.064%		
	Providing and laying stone pitching on embankment slopes	Km	30.52	0.181%		
31	MISCELLANEOUS WORKS					
	Overhead Signs	Km	32	0.158%		
	Traffic Aid Booth	No.	1	0.014%		
	Medical Aid Booth	No.	1	0.014%		
	Emergency Cross-overs	No.	6	0.018%		
	Others (Wearing Course, Kerb etc.)	Km	32	0.141%		
	Total Percentage completion and Amount==>			100.00%		43.650%

STRUCTURE PROGRESS CHART UPTO 30th November 2019
Construction of Eight Lane of Vadodara Kim Expressway from Km 323.000 to Km 355.000 (Sanpa to Padra section of Vadodara Mumbai Expressway)
Package II

SR.NO	PROGRESS CHART FOR PIPE CULVERTS													Abstract			
	Finishing		LHS Pipe	Finishing		Pipe Culvert Design Chainage	Pipe Culvert CA Chainage	Dimensio n	Foundation		RHS Pipe Laying	Finishing		SR.No	Type Of Structure	Total No. of Structure as per CA	No of Work in progress of structure
	Chamber	Cradle		PCC	Excavation				Excavation	PCC		Cradle	Chamber				
1		Done	Done	Done	Done	324+069	324+069	1X1.2	Done	Done	Done	Done		1	HPC	42	0
2		Done	Done	Done	Done	324+715	324+719	1X1.2	Done	Done	Done	Done		2	BOX Culvert	52	18
3		Done	Done	Done	Done	325+219	325+219	1X1.2	Done	Done	Done	Done		3	flyover Bridge	1	1
4		Done	Done	Done	Done	325+619	325+619	1X1.2	Done	Done	Done	Done		4	ROB	1	0
5		Done	Done	Done	Done	326+119	326+119	1X1.2	Done	Done	Done	Done		5	MJB	1	1
6		Done	Done	Done	Done	327+119	327+119	1X1.2	Done	Done	Done	Done		6	MNB	9	9
7		Done	Done	Done	Done	327+994	327+994	1X1.2	Done	Done	Done	Done		8	Interchange	2	2
8		Done	Done	Done	Done	328+419	328+419	1X1.2	Done	Done	Done	Done		9	VOP	2	2
9		Done	Done	Done	Done	329+509	329+509	1X1.2	Done	Done	Done	Done		10	LVUP	8	0.5
10		Done	Done	Done	Done	330+068	330+068	1X1.2	Done	Done	Done	Done		11	VUP	5	0
11		Done	Done	Done	Done	331+118	331+118	1X1.2	Done	Done	Done	Done		12	P/CUP	34	18
12		Done	Done	Done	Done	331+719	331+719	1X1.2	Done	Done	Done	Done			Total	157	51.5
13		Done	Done	Done	Done	332+158	332+294	1X1.2	Done	Done	Done	Done		1	Utility Duct	61	61
14		Done	Done	Done	Done	333+119	333+119	1X1.2	Done	Done	Done	Done		2	RE- Block	Aprox 9 lakh NOS	384389 Nos.
15		Done	Done	Done	Done	334+168	334+168	1X1.2	Done	Done	Done	Done					
16		Done	Done	Done	Done	334+719	334+719	1X1.2	Done	Done	Done	Done					
17		Done	Done	Done	Done	337+308	337+308	1X1.2	Done	Done	Done	Done					
18		Done	Done	Done	Done	337+593	337+593	1X1.2	Done	Done	Done	Done					
19		Done	Done	Done	Done	338+243	338+243	1X1.2	Done	Done	Done	Done					
20		Done	Done	Done	Done	338+669	338+669	1X1.2	Done	Done	Done	Done					
21		Done	Done	Done	Done	339+179	339+179	1X1.2	Done	Done	Done	Done					
22		Done	Done	Done	Done	340+080	340+080	1X1.2	Done	Done	Done	Done					
23		Done	Done	Done	Done	340+718	340+718	1x1.2	Done	Done	Done	Done					
24		Done	Done	Done	Done	341+468	341+468	1x1.2	Done	Done	Done	Done					
25		Done	Done	Done	Done	341+925	341+925	1x1.2	Done	Done	Done	Done					
26		Done	Done	Done	Done	342+869	342+869	1x1.2	Done	Done	Done	Done					
27		Done	Done	Done	Done	343+280	343+280	1x1.2	Done	Done	Done	Done					
28		Done	Done	Done	Done	343+990	343+994	1x1.2	Done	Done	Done	Done					
29		Done	Done	Done	Done	344+768	344+768	1x1.2	Done	Done	Done	Done					
30		Done	Done	Done	Done	346+549	346+549	1x1.2	Done	Done	Done	Done					
31		Done	Done	Done	Done	347+169	347+169	1x1.2	Done	Done	Done	Done					
32		Done	Done	Done	Done	348+143	348+143	1x1.2	Done	Done	Done	Done					
33		Done	Done	Done	Done	348+869	348+869	1x1.2	Done	Done	Done	Done					
34		Done	Done	Done	Done	349+668	349+668	1x1.2	Done	Done	Done	Done					
35		Done	Done	Done	Done	350+068	350+068	1x1.2	Done	Done	Done	Done					
36		Done	Done	Done	Done	350+443	350+443	1x1.2	Done	Done	Done	Done					
37		Done	Done	Done	Done	351+119	351+119	1x1.2	Done	Done	Done	Done					
38		Done	Done	Done	Done	351+619	351+619	1x1.2	Done	Done	Done	Done					
39		Done	Done	Done	Done	352+494	352+494	1x1.2	Done	Done	Done	Done					
40		Done	Done	Done	Done	352+868	352+868	1x1.2	Done	Done	Done	Done					
41		Done	Done	Done	Done	354+467	354+467	1x1.2	Done	Done	Done	Done					
42		Done	Done	Done	Done	354+754	354+754	1x1.2	Done	Done	Done	Done					
		42	42	42	42	42	42	42	42	42	42	42					

PROGRESS CHART FOR BOX CULVERTS

SR.NO	LHS																		RHS					
	Finishing			Super-Structure	Sub-Structure	Foundation			Box Culvert Design Chainage	Box Culvert CA Chainage	Dimension	Foundation			Sub-Structure	Super-Structure	Finishing							
	Apron	Curtain Wall	Retaining Wall			Raft	PCC	Excavation				Excavation	PCC	Raft			Retaining Wall	Curtain Wall	Apron					
1							Done	Done	323+038	323+057	1X2X2	Done	Done											
2									323+087	323+087	1X2X2													
3						Done	Done	Done	323+087	323+087	1X2X2	Done	Done	Done										
4									323+087	323+087	1X2X2													
5									323+087	323+087	1X2X2													
6						Done	Done	Done	323+425	323+367	1X3X3	Done	Done	Done										
7				Done	Done	Done	Done	Done	324+164	324+160	1X2X2	Done	Done	Done	Done									
8				Done	Done	Done	Done	Done	324+236	324+259	1X3X3	Done	Done	Done	Done	Done								
9				Done	Done	Done	Done	Done	324+254	324+273	1X3X3	Done	Done	Done	Done	Done								
10				Done	Done	Done	Done	Done	324+987	325+005	1X3X3	Done	Done	Done	Done	Done								
11				Done	Done	Done	Done	Done	326+292	326+310	1X4X3	Done	Done	Done	Done	Done								
12				Done	Done	Done	Done	Done	326+848	326+867	1X3X3	Done	Done	Done	Done	Done								
13				Done	Done	Done	Done	Done	326+957	326+982	1X2X2	Done	Done	Done	Done	Done								
14				Done	Done	Done	Done	Done	326+957	326+982	1X2X2	Done	Done	Done	Done	Done								
15				Done	Done	Done	Done	Done	330+242	330+260	1X2X2	Done	Done	Done	Done	Done								
16				Done	Done	Done	Done	Done	330+853	330+872	2X4X3	Done	Done	Done	Done	Done								
17				Done	Done	Done	Done	Done	331+840	331+859	1X2X2	Done	Done	Done	Done	Done								
18						Done	Done	Done	331+840	331+859	1X2X2	Done	Done	Done	Done	Done								
19				Done	Done	Done	Done	Done	333+661	333+670	1X5X3	Done	Done	Done	Done	Done								
20				Done	Done	Done	Done	Done	335+074	335+093	1X2X2	Done	Done	Done	Done	Done								
21				Done	Done	Done	Done	Done	335+664	335+684	1X2X2	Done	Done	Done	Done	Done								
22				Done	Done	Done	Done	Done	339+352	339+345	1X2X2	Done	Done	Done	Done	Done								
23				Done	Done	Done	Done	Done	339+700	339+700	1X2X2	Done	Done	Done	Done	Done								
24						Done	Done	Done	339+848	339+852	1X2X2	Done	Done	Done	Done	Done								
25				Done	Done	Done	Done	Done	339+941	339+934	1X2X2	Done	Done	Done	Done	Done								
26				Done	Done	Done	Done	Done	341+171	341+193	1x6x3	Done	Done	Done	Done	Done								
27						Done	Done	Done	342+620	342+620	1X4X3	Done	Done	Done	Done	Done								
28						Done	Done	Done	344+440	344+347	1x2x2	Done	Done	Done	Done	Done								
29				Done	Done	Done	Done	Done	345+474	345+494	1x4x3	Done	Done	Done	Done	Done								
30				Done	Done	Done	Done	Done	345+966	346+000	1x3x3	Done	Done	Done	Done	Done								
31						Done	Done	Done	346+776	346+800	2x3x3	Done	Done	Done	Done	Done								
32				Done	Done	Done	Done	Done	346+800	346+800	2x3x3	Done	Done	Done	Done	Done								
33				Done	Done	Done	Done	Done	347+468	347+468	1x2x2	Done	Done	Done	Done	Done								
34				Done	Done	Done	Done	Done	347+537	347+556	2x3x2	Done	Done	Done	Done	Done								
35						Done	Done	Done	347+900	347+940	1x2x2	Done	Done	Done	Done	Done								
36				Done	Done	Done	Done	Done	349+220	349+220	1x5x3	Done	Done	Done	Done	Done								
37						Done	Done	Done	349+445	349+463	1x5x3	Done	Done	Done	Done	Done								
38						Done	Done	Done	349+460	349+463	1x2x2	Done	Done	Done	Done	Done								
39				Done	Done	Done	Done	Done	349+809	349+832	1x2x2	Done	Done	Done	Done	Done								
40				Done	Done	Done	Done	Done	351+009	351+009	1x3x3	Done	Done	Done	Done	Done	Done							
41						Done	Done	Done	351+265	351+265	1x3x3	Done	Done	Done	Done	Done								
42						Done	Done	Done	353+690	353+690	1x2x2	Done	Done	Done	Done	Done								
43									353+690	353+690	1x2x2													
44							Done	Done	353+690	353+690	1x2x2	Done	Done											
45									353+690	353+690	1x2x2													
46									353+690	353+690	1x2x2													
47							Done	Done	353+690	353+690	1x2x2	Done												
48									353+690	353+690	1x2x2													
49									353+690	353+690	1x2x2													
50									353+690	353+690	1x2x2													
51									353+690	353+690	1x2x2													
52									353+690	353+690	1x2x2													
				23	34	38	41	41	52	52		41	40	38	35	23								

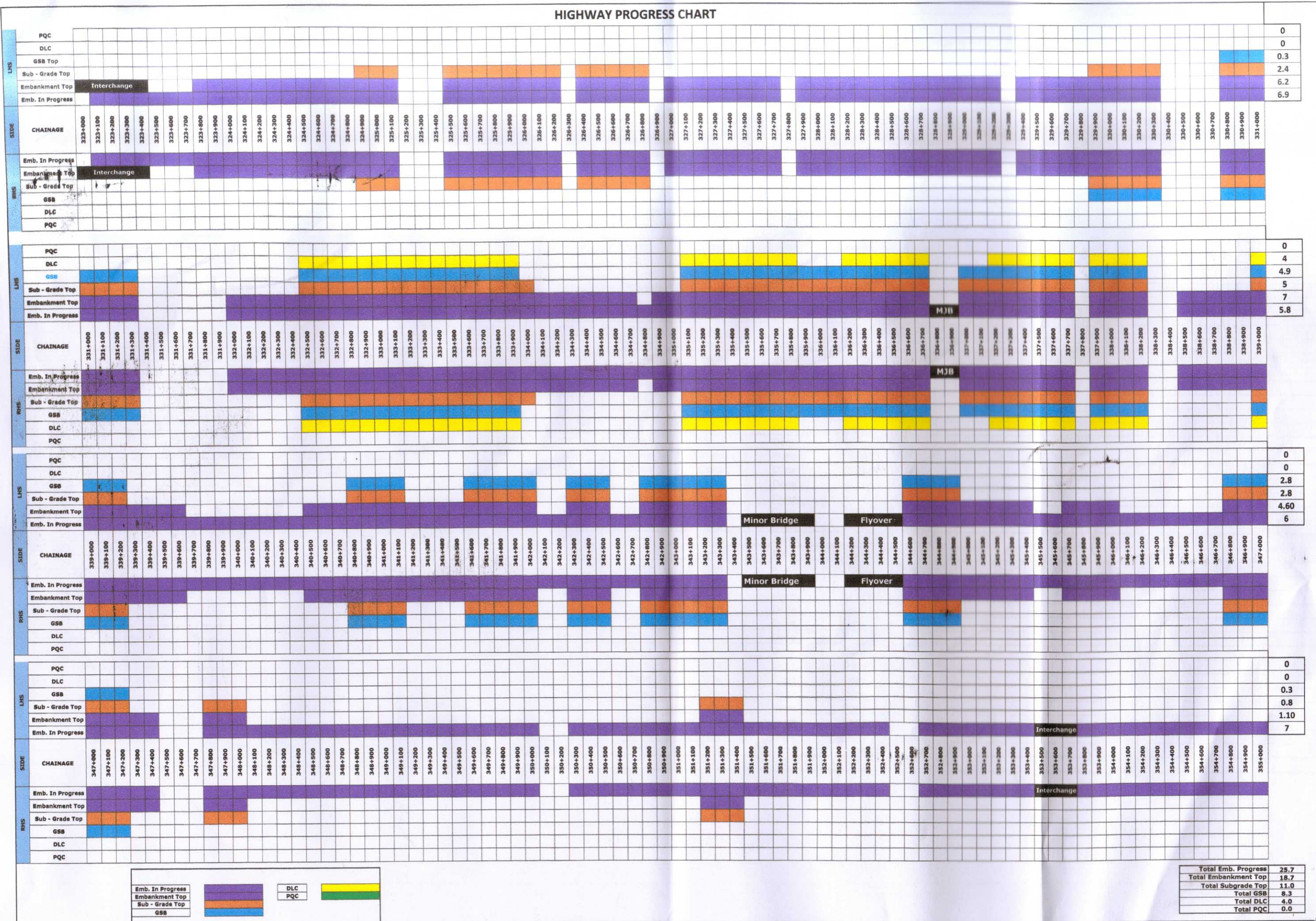
PROGRESS CHART FOR CUP/PUP

SR.NO	LHS																		RHS					
	Finishing			Super Structure	Sub Structure	Foundation			Design Chainage	CA Chainage	Dimension	Foundation			Sub Structure	Super Structure	Finishing							
	WC inside Str.	Approach Slab	Crash Barrier			Raft	PCC	Excavation				Excavation	PCC	Raft			Crash Barrier	Approach Slab	WC inside Str.					
				WC inside Str.	Approach Slab				Crash Barrier	Crash Barrier	Approach Slab				WC inside Str.									
1				Done	Done	Done	Done	Done	323+683	323+700	1X12	Done	Done	Done	Done	Done								
2				Done	Done	Done	Done	Done	324+410	324+410	1X12	Done	Done	Done	Done	Done								
3				Done	Done	Done	Done	Done	324+900	324+900	1X12	Done	Done	Done	Done	Done								
4				Done	Done	Done	Done	Done	326+381	326+400	1X12	Done	Done	Done	Done	Done								
5						Done	Done	Done	327+575	327+550	1X12	Done	Done	Done										
6				Done	Done	Done	Done	Done	328+175	328+150	1X12	Done	Done	Done	Done	Done								
7				Done	Done	Done	Done	Done	328+856	328+800	1X12	Done	Done	Done	Done	Done								
8				Done	Done	Done	Done	Done	329+725	329+750	1X12	Done	Done	Done	Done	Done								
9					Done	Done	Done	Done	331+425	331+450	1X12	Done	Done	Done	Done									
10					Done	Done	Done	Done	332+640	332+675	1X12	Done	Done	Done	Done									
11				Done	Done	Done	Done	Done	333+351	333+370	1X12	Done	Done	Done	Done	Done								
12				Done	Done	Done	Done	Done	333+786	333+795	1X12	Done	Done	Done	Done	Done								
13				Done	Done	Done	Done	Done	334+280	334+390	1X12	Done	Done	Done	Done	Done								
14				Done	Done	Done	Done	Done	334+868	334+880	1X12	Done	Done	Done	Done	Done								
15				Done	Done	Done	Done	Done	336+020	335+850	1X12	Done	Done	Done	Done	Done								
16				Done	Done	Done	Done	Done	336+355	336+375	1X12	Done	Done	Done	Done	Done								
17						Done	Done	Done	338+455	338+477	1X12	Done	Done	Done										
18						Done	Done	Done	338+950	338+970	1X12	Done	Done	Done										
19				Done	Done	Done	Done	Done	339+687	339+680	1X12	Done	Done	Done	Done	Done								
20					Done	Done	Done	Done	340+419	340+427	1X12	Done	Done	Done	Done									
21				Done	Done	Done	Done	Done	340+820	340+855	1X12	Done	Done	Done	Done	Done								
22				Done	Done	Done	Done	Done	342+035	342+050	1X12	Done	Done	Done	Done	Done								
23					Done	Done	Done	Done	342+543	342+562	1X12	Done	Done	Done	Done									
24					Done	Done	Done	Done	343+169	343+150	1X12	Done	Done	Done	Done									
25				Done	Done	Done	Done	Done	345+025	345+050	1X12	Done	Done	Done	Done	Done								
26					Done	Done	Done	Done	345+653	345+670	1X12	Done	Done	Done										
27				Done	Done	Done	Done	Done	346+383	346+400	1X12	Done	Done	Done	Done	Done								
28				Done	Done	Done	Done	Done	347+108	347+100	1X12	Done	Done	Done	Done	Done								
29				Done	Done	Done	Done	Done	347+922	347+900	1X12	Done	Done	Done	Done	Done								
30					Done	Done	Done	Done	348+978	349+100	1X12	Done	Done	Done	Done									
31						Done	Done	Done	349+972	349+950	1X12	Done	Done	Done										
32				Done	Done	Done	Done	Done	350+831	350+850	1X12	Done	Done	Done	Done	Done								
33					Done	Done	Done	Done	352+355	352+320	1X12	Done	Done	Done	Done									
34						Done	Done	Done	352+700	352+696	1X12	Done	Done	Done										
				21	29	34	34	34	34	34	34	34	34	34	34	28	21							

PROGRESS CHART FOR VUP																				
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS								
	Finishing			Super Structure	Sub Structure	Foundation						Foundation			Sub Structure	Super Structure	Finishing			
	WC inside Str.	Approach Slab	Crash Barrier			Raft	PCC	Excavation				Excavation	PCC	Raft			Crash Barrier	Approach Slab	WC inside Str.	
1				Done	Done	Done	Done	Done	330+402	330+402	1X12	Done	Done	Done	Done	Done				
2				Done	Done	Done	Done	Done	331+822	331+843	1X12	Done	Done	Done	Done	Done				
3				Done	Done	Done	Done	Done	335+402	335+422	1X12	Done	Done	Done	Done	Done				
4				Done	Done	Done	Done	Done	341+826	341+843	1x12	Done	Done	Done	Done	Done				
5				Done	Done	Done	Done	Done	351+284	351+303	1x12	Done	Done	Done	Done	Done				
PROGRESS CHART FOR LVUP																				
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS								
	Finishing			Super Structure	Sub Structure	Foundation						Foundation			Sub Structure	Super Structure	Finishing			
	WC inside Str.	Approach Slab	Crash Barrier			Raft	PCC	Excavation				Excavation	PCC	Raft			Crash Barrier	Approach Slab	WC inside Str.	
1				Done	Done	Done	Done	Done	325+769	325+788	1x12	Done	Done	Done	Done	Done				
2				Done	Done	Done	Done	Done	329+380	329+400	1x12	Done	Done	Done	Done	Done				
3					Done	Done	Done	Done	337+022	337+050	1x12	Done	Done	Done	Done	Done				
4				Done	Done	Done	Done	Done	341+600	341+590	1x12	Done	Done	Done	Done					
5				Done	Done	Done	Done	Done	343+856	343+877	1x12	Done	Done	Done	Done	Done				
6				Done	Done	Done	Done	Done	348+468	348+490	1x12	Done	Done	Done	Done	Done				
7					Done	Done	Done	Done	351+803	351+803	1x12	Done	Done	Done	Done					
8				Done	Done	Done	Done	Done	354+843	354+855	1x12	Done	Done	Done	Done	Done				
PROGRESS CHART FOR MNB																				
BOX TYPE																				
SR.NO	LHS								MNB Design Chainage	MNB CA Chainage	Dimension	RHS								
	Finishing			Super Structure	Sub Structure	Foundation						Foundation			Sub Structure	Super Structure	Finishing			
	WC inside Str.	Approach Slab	Crash Barrier			Raft	PCC	Excavation				Excavation	PCC	Raft			Crash Barrier	Approach Slab	WC inside Str.	
1				Done	Done	Done	Done	Done	329+062	329+080	1X10.42	Done	Done	Done	Done	Done				
2				Done	Done	Done	Done	Done	337+874	337+895	1X10.42	Done	Done	Done	Done	Done	Done			
3				Done	Done	Done	Done	Done	346+743	346+766	1x10.496	Done	Done	Done	Done	Done				
4						Done	Done	Done	350+201	350+220	1x18.85	Done	Done	Done	Done					
PILE TYPE																				
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS								
	Superstructure		Sub Structure		Foundation			Pile Scope				Foundation			Substructure		Superstructure			
	Deck Slab	Erection/ Casting of Girders	Pier Cap	Pier	Pile Cap	Pile	Pile					Pile	Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab		
1			1 out of 2	2 out of 2	2 out of 2	16	32	324+193	324+210	1X29.214	16	2 out of 2	In progress							
2		5	2 out of 4	26 out of 36	2 out of 2	36	72	330+630	330+640	1X32.2	36	2 out of 2	26 out of 36	1 out of 4						
3			1 out of 4	54 out of 63	2 out of 2	63	125	343+566	343+566	1x27.20	62	2 out of 2	55 out of 62	1 out of 4						
4				12 out of 14	2 out of 2	14	28	350+143	350+162	1x33.112	14	2 out of 2	13 out of 14	1 out of 2						
5			1 out of 4	23 out of 28	2 out of 2	28	56	354+636	354+660	1x48.603	28	2 out of 2	23 out of 28	2 out of 4						

PROGRESS CHART FOR FLYOVER																			
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS							
	Superstructure		Sub Structure		Foundation		Total Pile Scope	Foundation				Substructure		Superstructure					
	Deck Slab	Erection/ Casting of Girders	Pier Cap	Pier	Pile Cap	Pile		Pile				Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab		
1		3	2 out of 4	13 out of 16	4 out of 4	46	92	344+383	344+360	1x22.627+1x4 2.065+1x22.6 27	46	4 out of 4	13 out of 16	2 out of 4	3				
PROGRESS CHART FOR INTERCHANGE																			
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS							
	Superstructure		Sub Structure		Foundation		Total Pile Scope	Foundation				Substructure		Superstructure					
	Deck Slab	Erection/ Casting of Girders	Pier Cap	Pier	Pile Cap	Piles		Piles				Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab		
1		11	3 out of 4	12 out of 12	4 out of 4	40	80	323+074	323+087	1 x 16.9+1x47.2+ 1x16.9	40	4 out of 4	12 out of 12	3 out of 4	12				
2		12	3 out of 8	28 out of 28	8 out of 8	100	200	353+666	353+690	1 X 48.2 + 2 X (25+25 +25.788)	100	8 out of 8	28 out of 28	3 out of 8	13				
PROGRESS CHART FOR ROB																			
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS							
	Superstructure		Sub Structure		Foundation		Total Pile Scope	Foundation				Substructure		Superstructure					
	Deck Slab	Erection/ Casting of Girders	Pier Cap	Pier	Pile Cap	Piles		Piles				Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab		
1	Not Started								352+965	352+988	2x37.20	Not Started							
PROGRESS CHART FOR MJB																			
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS							
	Superstructure		Sub Structure		Foundation		Total Pile Scope	Foundation				Substructure		Superstructure					
	Deck Slab	Erection/ Casting of Girders	Pier Cap	Pier	Pile Cap	Pile		Pile				Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab		
1				4 out of 7	5 out of 7	90	228	336+810	336+830	6X42.20	90	5 out of 7	4 out of 7	1 out of 7	4				
PROGRESS CHART FOR VOP																			
SR.NO	LHS								Design Chainage	CA Chainage	Dimension	RHS							
	Superstructure		Sub Structure		Foundation		Total Pile Scope	Foundation				Substructure		Superstructure					
	Deck Slab	Erection/ Casting of Girders	Pier Cap	Pier	Pile Cap	Piles		Piles				Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab		
1		4 out of 8	3 out of 3	3 out of 3	3 out of 3	14	14	326+957	326+982	2x48.221	Not Applicable								
2		4 out of 8	3 out of 3	3 out of 3	3 out of 3	21	21	349+441	349+463	2x41.35									

HIGHWAY PROGRESS CHART



Eight-Laning of Vadodara Kim Expressway from Km 323.000 to Km 355.000

Details of Electrical Utilities

SR.	CHAINAGE		Division	SIDE	TYPE	EFFECTED	REMARKS	Affected
	To	From						
1	323+030	323+040	Amod		11 KV	10	Electric Line Crossing (Amod)	MCW, Shoulder and Service Road Affetcted because the electric line crossing over the Entire ROW
2	323+090	323+095	Amod		11 KV	5	Electric Line Crossing (Amod)	
3	323+130	323+140	Amod		11 KV	10	Electric Line Crossing (Amod)	
4	323+160	323+170	Amod		12 KV	10	Electric Line Crossing (Amod)	
5	323+180	323+200	GETCO		66 KV	20	Electric Line Crossing (Amod)	
6	323+200	323+210	Amod		11 KV	10	Electric Line Crossing (Amod)	
7	323+380	323+440	Amod		11 KV	60	Electric Line Crossing (Amod)	
8	324+090	324+110	GETCO		1 Tower/220KV	20	High Tension Line Crossing	
9	324+600	324+610	Karjan		2/11KV	10	Electric Line Crossing	Within ROW
10	324+700	324+705	Karjan	LHS		5	Transformer	MCW, Shoulder and Service Road Affetcted because the electric line crossing over the Entire ROW
11	324+800	324+830	Karjan		2/11KV	30	Electric Line Crossing	
12	324+690	324+710	Karjan		3/11KV	20	Electric Line Crossing	
13	325+100	325+115	GETCO		1 Tower/220KV	15	High Tension Line Crossing	
14	325+180	325+190	Karjan		11 KV	10	Electric Line Crossing	
15	325+780	325+790	Karjan	LHS		10	Transformer	
16	325+550	325+570	Karjan		11 KV	20	Electric Line Crossing	
17	325+600	325+630	Karjan		11 KV	30	Electric Line Crossing	
18	326+400	326+420	GETCO		1 Tower/220KV	20	High Tension Line Crossing	
19	326+900	326+910	Karjan		11 KV	10	Electric Line Crossing	
20	327+175	327+205	GETCO		220KV	30	High Tension Line Crossing	
21	327+280	327+290	Karjan		11 KV	10	Electric Line Crossing	Within ROW
22	327+280		Karjan	RHS		5	Transformer	Entire ROW
23	327+700	327+710	Karjan		11 KV	10	Electric Line Crossing	MCW to ROW (RHS)
24	327+730	327+740	Karjan		11KV	10	Electric Line Crossing	
25	327+750	327+760	Karjan		11KV	10	Electric Line Crossing	
26	329+290	329+310	Karjan		11 KV	20	Electric Line Crossing	MCW, Shoulder and Service Road
27	329+310	329+330	Karjan		11 KV	20	Electric Line Crossing	
28	330+270	330+275	Karjan	RHS	11 KV	5	Transformer	Only MCW
29	330+275	330+570	Karjan	8 Line	12 KV	65	Electric Line Crossing	MCW, Shoulder and Service Road
30	331+230	331+240	Karjan		11 KV	10	Electric Line Crossing	
31	331+430	331+440	Karjan		11 KV	10	Electric Line Crossing	
32	331+800	331+820	Karjan		11 KV	20	Electric Line Crossing	MCW, Shoulder and Service Road
33	331+900	331+920	Karjan		11 KV	20	Electric Line Crossing	
34	331+930	331+950	GETCO		66 KV	20	High Tension Line Crossing	MCW, Shoulder and Service Road Affetcted because the electric line
35	332+050	332+060	Karjan		11 KV	10	Electric Line Crossing	
36	332+130	332+150	Karjan		11 KV	20	Electric Line Crossing	
37	332+410	332+450	Karjan		11 KV	40	Electric Line Crossing	MCW to ROW
38	332+490	332+500	Karjan	RHS		5	Transformer	MCW, Shoulder and Service Road
39	333+100	333+130	Karjan		11 KV	30	Electric Line Crossing	
40	333+340	333+350	Karjan	LHS		5	Transformer	MCW, Shoulder and Service Road Affetcted because the electric line crossing over the Entire ROW
41	333+520	333+540	Karjan		11 KV	20	Electric Line Crossing	
42	333+620	333+720	Karjan		11 KV	100	Electric Line Crossing	
43	333+950	334+000	Karjan		11 KV	50	Electric Line Crossing	
44	334+220	334+240	Karjan		11 KV	20	Electric Line Crossing	
45	334+575	334+590	Karjan		11 KV	15	Electric Line Crossing	
46	334+585	334+610	Karjan		11 KV	35	Electric Line Crossing	
47	334+610	334+640	Karjan		11 KV	25	Electric Line Crossing	
48	334+690	334+720	Karjan		11 KV	30	Electric Line Crossing	MCW, Shoulder and Service Road Affetcted because the electric line crossing over the Entire ROW
49	334+730	334+770	Karjan	2 Line	11 KV	40	Electric Line Crossing	
50	334+800	334+830	Karjan		11 KV	30	Electric Line Crossing	
51	335+370	335+400	Padra-1		11 KV	30	Electric Line Crossing	
52	335+370	335+400	Padra-1	LHS	11 KV	30	Electric Line Crossing	
53	336+080	336+130	PGCIL		400KV	50	High Tension Line Crossing	
54	337+470	337+510	Padra-1		11 KV	40	Electric Line Crossing	
55	337+580	337+620	Padra-1		11 KV	40	Electric Line Crossing	
56	338+480	338+550	Padra-1		11 KV	70	Electric Line Crossing	
57	339+670	339+720	Padra-1		11 KV	50	Electric Line Crossing	

SR.	CHAINAGE		Division	SIDE	TYPE	EFFECTED	REMARKS	Affected
	To	From						
58	339+670	339+700	Padra-1		11 KV	30	Electric Line Crossing	MCW, Shoulder and Service Road Affetcted because the electric line crossing over the Entire ROW
59	340+800	340+950	Torrent		400KV	150	High Tension Line Crossing	
60	341+610	341+650	Padra-1		11 KV	40	Electric Line Crossing	
61	341+790	341+820	Padra-1		11 KV	30	Electric Line Crossing	
62	341+780	341+790	Padra-1	C/L	11 KV	10	Transformer	
63	343+850	343+870	Padra-1		11 KV	20	Electric Line Crossing	
64	343+950	344+000	Padra-1		11 KV	50	Electric Line Crossing	
65	344+000	344+060	Padra-1		11 KV	60	Electric Line Crossing	
66	344+200	344+280	Padra-1		11 KV	80	Electric Line Crossing	
67	345+100	345+120	Padra-1	LHS		20	Transformer	
68	348+470	348+480	Padra-1		11 KV	10	Electric Line Crossing	
69	348+780	348+850	Padra-1		11 KV	70	Electric Line Crossing	
70	349+150	349+160	Padra-2		12 KV	10	Electric Line Crossing	
71	349+440	349+470	Padra-2		11 KV	30	Electric Line Crossing	
72	350+340	350+400	Padra-2		11 KV	60	Electric Line Crossing	
73	350+320	350+330	Padra-2	RHS		10	Transformer	
74	351+400	351+420	Padra-2		11 KV	20	Electric Line Crossing	
75	351+420	351+430	Padra-2	LHS		10	Transformer	
76	351+530	351+540	Padra-2		11 KV	10	Electric Line Crossing	
77	351+680	351+800	Padra-2		11 KV	10	Electric Line Crossing	
78	351+820	351+825	Padra-2		11 KV	5	Electric Line Crossing	
79	351+830	351+835	Padra-2		11 KV	5	Electric Line Crossing	
80	351+870	351+875	Padra-2		11 KV	5	Electric Line Crossing	
81	351+875	351+885	Padra-2		11 KV	10	Electric Line Crossing	
82	351+885	351+915	Padra-2		11 KV	30	Electric Line Crossing	
83	352+300	352+310	Padra-2		11 KV	10	Electric Line Crossing	
84	352+445	352+460	Padra-2		11 KV	15	Electric Line Crossing	
85	353+415	353+425	Padra-2		11 KV	10	Electric Line Crossing	
86	353+445	353+470	Padra-2		11 KV	25	Electric Line Crossing	
87	353+510	353+520	Padra-2		11 KV	10	Electric Line Crossing	
88	353+525	353+550	Padra-2		11 KV	25	Electric Line Crossing	
89	353+670	353+920	Padra-2		11 KV	10	Electric Line Crossing	
90	353+950	353+960	GETCO		66 KV	10	High Tension Line Crossing	
91	354+000	354+010	GETCO		66 KV	10	High Tension Line Crossing	
92	354+240	354+250	Padra-2		11 KV	10	Electric Line Crossing	
93	354+830	354+835	Padra-2		11 KV	5	Electric Line Crossing	
94	354+950	354+960	Padra-2		11 KV	10	Electric Line Crossing	
					TOTAL LENGTH	2310		

Details of Water Pipe Lines/Borewell/Canal Crossing						
SR. NO.	CHAINAGE		SIDE	TYPE	EFFECTED LENGTH	REMARKS
	To	From				
1	323+040	323+050	LHS	CANAL CROSSING		
2	323+165	323+175	C/L	TUBEWELL	10	
3	324+160	324+185	BHS	CANAL CROSSING		
4	324+180	324+210	BHS	CANAL CROSSING		
5	324+225	324+250	BHS	CANAL CROSSING		
6	324+215	324+240	BHS	CANAL CROSSING		
7	324+600	324+610	LHS	TUBEWELL	10	
8	324+960	324+980	BHS	CANAL CROSSING		
9	325+200	325+210	LHS	TUBEWELL	10	
10	326+830	326+850	BHS	CANAL CROSSING		
11	327+280	327+290	RHS	TUBEWELL	10	
12	328+340	328+360	BHS	CANAL CROSSING		
13	329+375	329+385	RHS	TUBEWELL	10	
14	330+280	330+290	C/L	TUBEWELL	10	
15	330+520	330+580	BHS	CANAL CROSSING		
16	330+620	330+630	RHS	TUBEWELL	10	
17	330+820	330+840	BHS	CANAL CROSSING		
18	331+400	331+410	RHS	TUBE WELL	10	
19	331+800	331+835	RHS	IRRIGATION CHANNEL		
20	332+640	332+660		Nala	20	
21	333+270	333+300	BHS	IRRIGATION CHANNEL		
22	333+350	333+360	LHS	TUBE WELL	10	
23	333+670	333+730	BHS	IRRIGATION CHANNEL		
24	334+815	334+825	C/L	TUBE WELL	10	
25	335+075	335+100	BHS	CANAL CROSSING		
26	336+750	336+900		Vishvamitri river		
27	338+595	338+605	RHS	TUBEWELL	10	
28	338+950	338+960	RHS	TUBE WELL	10	
29	339+550	339+675	BHS	CANAL CROSSING		
30	341+600	341+610	RHS	TUBE WELL	10	
31	342+540	342+560	BHS	CANAL CROSSING		
32	343+240	343+260	RHS	WATER PIPE LINE	20	
33	345+175	345+185	LHS	TUBE WELL	10	
34	345+490	345+510	BHS	CANAL CROSSING		
35	346+740	346+760	BHS	CANAL CROSSING WITH CULVERT		
36	347+530	347+550	BHS	CANAL CROSSING		
37	349+455	349+465	LHS	TUBE WELL	10	
38	350+300	350+315	BHS	TUBE WELL	15	
39	351+240	351+260	RHS	CANAL CROSSING		
40	351+245	351+255	C/L	TUBE WELL	10	
41	351+415	351+435	BHS	WATER LINE CROSSING	20	
42	351+530	351+540	RHS	WELL	10	
43	352+880	353+000	RHS	CANAL CROSSING		
44	354+330	354+340	RHS	BOREWELL	10	
				TOTAL LENGTH	255	

Details of Land related Hindrances as on 29.02.2020									
Sr. No.	Chainage from		Affacted length	Village Name	Survey No.	Structure/ Highway Affected	Owner Name	Hindrance Description	Current Status
Add.3A issue									
1	325+160	325+320	340	Sanpa	337	HPC	Govardhanbhai Ranchoddas	3A for some increased area processed by SEACON for approval of CALA & further action.	3A has been Guzzetted vide S/O No. 4216(E) dated 20.11.2019 but not yet published in newspaper, 3D awaited.
2	325+160	325+500		Sanpa	527	Highway	Mohadbhai aslam esab	3A for some increased area processed by SEACON for approval of CALA & further action.	3A has been Guzzetted vide S/O No. 4216(E) dated 20.11.2019 but not yet published in newspaper, 3D awaited.
3	326+210	326+250	40	Sanpa	169	Highway	Patel Babubhai ambalal	3A for some increased area processed by SEACON for approval of CALA & further action.	3A has been Guzzetted vide S/O No. 4216(E) dated 20.11.2019 but not yet published in newspaper, 3D awaited.
4	331+780	331+800	20	Handod	8	Highway	Prafulbhai Bhatt	DLR has been submitted to NHAI & CALA office on 23.08.19 favour of survey no.8.	3A has been Guzzetted vide S/O No. 4216(E) dated 20.11.2019 but not yet published in newspaper, 3D awaited.
Total Length		400							
Payment Issues									
1	325+160	325+320		Sanpa	337		Govardhanbhai Ranchoddas	Award of Rs. 1 lakh against tube well submitted to CALA for payment.	Award signed and Demand Note send to PIU Bharuch by CALA. Payment awaited.
2	327+250	327+300	50	Bodka	70	Highway	Vinunbhai kanjibhai Gondiyal	Award of Rs. 1 lakh against tube well submitted to CALA for payment.	Award signed and Demand Note send to PIU Bharuch by CALA. Payment awaited.
3	329+355	329+400	45	Kanbha	413	LVUP	Malik Yusuphbhai	Award of Rs. 1 lakh against tube well submitted to CALA for payment.	Award signed and Demand Note send to PIU Bharuch by CALA. Payment awaited.
4	330+250	330+300	50	Kanbha	296	Highway	Idrishbhai ahamadbhai	Award of Rs. 1 lakh against tube well submitted to CALA for payment.	Award signed and Demand Note send to PIU Bharuch by CALA. Payment awaited.
5	331+100	331+280	180	Handod	41	HPC	Pannubhai Bhatt	Award submitted to CALA for payment.	Award signed and Demand Note send to PIU Bharuch by CALA. Payment awaited.
6	338+200	338+400	200	Hosepur	276	HPC	Somabhai Vasava	Land Data Updated and submitted at CALA office for Payment	Status Quo
Total Length		525							
Other issue									
1	328+530	328+580	50	Bodka	161	Highway	Neelesh Patel	NHAI acquired 3 guntha Land but farmer claims that 11 Guntha land occupied by NHAI. CALA office is being persuade for settlement of additional claim of land owner.	Seacon needs to resolve it.
Total Length		50							
Total Affacted Length		975							

Details of Letter Correspondence From PIL TO IRCON.

Sr.	Date	Letter Number	Subject of Correspondence
1	01.02.2020	PIL/ VK2/ IRCON/ 404 / 2020	Submission of Hard copy of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps.
2	01.02.2020	PIL/ HO/VKP2/IRCON/ 070/ 2020	Submission of Detailed Design and Drawing of POT & PTFE bearings of Major bridge at Ch. 336+810.
3	01.02.2020	PIL/ VK2/ IRCON/ 405 / 2020	Submission of Company profile & Credentials of The "M/s Yash Enterprises" for PQC Items (Separation Membrane & Dowel bar Cap) for source approval.
4	03.02.2020	PIL/ VK2/ IRCON/ 406 / 2020	Submission of IPC - 07
5	03.02.2020	PIL/ VK2/ IRCON/ 407 / 2020	Submission of Borrow area 25A,25B,67, 52C,52D,55C,55D,50A,50B,57A,57B & 61
6	04.02.2020	PIL/ VK2/ IRCON/ 409 / 2020	Submission of Borrow area 37 A, 62,63, 63 A,65 & 65 A
7	05.02.2020	PIL/ VK2/ IRCON/ 410 / 2020	Concreting of Deck slab without clearance by representative of IRCON
8	04.02.2020	PIL/ HO/VKP2/IRCON/ 078/ 2020	Notice under clause 10.3.2 & 10.3.3 of the Contract Agreement
9	05.02.2020	PIL/ VK2/ IRCON/ 411 / 2020	Submission of Borrow area 66, 66A, 56C, 56D, 60A & 60 B
10	06.02.2020	PIL/ VK2/ IRCON/ 412 / 2020	Submission of "Monthly Progress Report" for the Month of January 2020.
11	06.02.2020	PIL/ VK2/ IRCON/ 413 / 2020	Submission of Borrow area 2 B, 2 C, 59 B & 59 C
12	07.02.2020	PIL/ VK2/ IRCON/ 415 / 2020	Submission of Physical Progressive Work Program to achieve 75 % Physical progress.
13	07.02.2020	PIL/ VK2/ IRCON/ 416 / 2020	Compliance to the observations made on -Submission design & drawings of foundation and substructure of MAJOR BRIDGE at km 336+810
14	08.02.2020	PIL/ VK2/ IRCON/ 417 / 2020	Submission of Borrow area 68 & 68 A
15	08.02.2020	PIL/ VK2/ IRCON/ 418 / 2020	Undertaking for Diversion Plan over Padra Vadodara Road at VKE Ch.353+666 Interchange.
16	08.02.2020	PIL/ VK2/ IRCON/ 420 / 2020	Submission of Mix design for Concreting.
17	08.02.2020	PIL/ VK2/ IRCON/ 421 / 2020	Submission of Third Party Test reports.
18	10.02.2020	PIL/ VK2/ IRCON/ 422 / 2020	Submission of Company profile & Credentials of The "M/s BASF India Limited _The chemical company" for Curing Compounds, Sealant, Grout & Shuttering oil for source approval.
19	10.02.2020	PIL/ VK2/ IRCON/ 423 / 2020	Submission of Company profile & Credentials of The "M/s Shethia Enterprise" for Separation Membrane for source approval.
20	10.02.2020	PIL/ HO/VKP2/IRCON/ 099/ 2020	Submission of Design and Drawing of Minor Bridge at Ch. 329+062
21	10.02.2020	PIL/ HO/VKE2/IRCON/101 / 2020	Regarding Submission of design and drawing of pin bearing, metallic guide bearing and POT PTFE free bearing for interchange at Ch. 353+670 for Vadodara Kim Expressway Project.
22	11.02.2020	PIL/ VK2/ IRCON/ 424 / 2020	Submission of Company profile & Credentials of The " M/s Solanki Plastic " for Separation Membrane & Dowel Bar cap for source approval.
23	12.02.2020	PIL/ VK2/ IRCON/ 426 / 2020	Submission of Design & Drawings of POT/ PTFE FREE SLIDING BEARINGS for Flyover at chainage km. 344+383
24	12.02.2020	PIL/ VK2/ IRCON/ 427 / 2020	Slab Casting Program of Structure.
25	12.02.2020	PIL/ HO/VKP2/IRCON/105 / 2020	Submission of Design and Drawing of Minor Bridge at Ch. 350+143

Sr.	Date	Letter Number	Subject of Correspondence
26	12.02.2020	PIL/ VK2/ IRCON/ 428 / 2020	Submission of DLC Trial Stretch Test Result Data.
27	13.02.2020	PIL/ VK2/ IRCON/ 429 / 2020	Submission of Borrow area 49 C & 49 D
28	12.02.2020	PIL/ HO/VKP2/IRCON/106 / 2020	Regarding submission of design and drawing of shoulder drain.
29	13.02.2020	PIL/ VK2/ IRCON/ 430 / 2020	Submission of Mix design for Concreting.
30	14.02.2020	PIL/ VK2/ IRCON/ 432 / 2020	Approval of Company profile & credentials of M/s Ambuja Cement & Wonder Cement for source approval.
31	12.02.2020	PIL/ HO/VKP2/IRCON/106 / 2020	Submission of Design & Drawings of Minor Bridge at Ch. 330+640
32	14.02.2020	PIL/ VK2/ IRCON/ 433 / 2020	Submission of Mix design for Concreting.
33	15.02.2020	PIL/ VK2/ IRCON/ 434 / 2020	Resubmission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP at Ch. 335+955 & PUP/CUP at Ch. 336+300.
34	15.02.2020	PIL/ VK2/ IRCON/ 435 / 2020	Submission of High Strain Dynamic Pile Load Testing Reports for MNB at Ch. 330+630, MJBR at Ch. 336+810 & Flyover at Ch. 344+383. Tests were conducted by the Aadhya Engineering services.
35	15.02.2020	PIL/ VK2/ IRCON/ 436 / 2020	Regarding deposition of differentiating Supervision charge to GETCO & MGVCL for commencement of shifting of electrical utilities.
36	15.02.2020	PIL/ VK2/ IRCON/ 437 / 2020	Permission for casting of girder within ROU of GAIL at 343+566 (MNB)
37	15.02.2020	PIL/ VK2/ IRCON/ 438 / 2020	Submission of Borrow area 24D, 28C, 28D, 77 & 77A.
38	15.02.2020	PIL/ VK2/ IRCON/ 439 / 2020	Submission of test reports for Back filling Materials.
39	15.02.2020	PIL/ VK2/ IRCON/ 440 / 2020	Regarding Slow Progress of structure works from km 339 to km 347.
40	17.02.2020	PIL/ VK2/ IRCON/ 441 / 2020	Submission & Approval of Company profile & Credentials of Sika India Pvt. Ltd. for source approval of Curing compound & sealant.
41	17.02.2020	PIL/ VK2/ IRCON/ 442 / 2020	Submission of Borrow area 76, 76A & 69
42	17.02.2020	PIL/ HO/VKP2/IRCON/110 / 2020	Production of Dry Lean Concrete
43	18.02.2020	PIL/ HO/VKP2/IRCON/111 / 2020	Required Permission for the construction work of approach road in your Jurisdiction of Express Highway Between Chainage 333+900 - Reg."
44	18.02.2020	PIL/ HO/VKP2/IRCON/112 / 2020	Proposed remedial action for the construction of Pier Cap at VOP at Ch. 349+441
45	18.02.2020	PIL/ VK2/ IRCON/ 443 / 2020	Submission of Company Profile & Credentials of M/S ICT (Independent consultants & Technoctes) for Third Party testing laboratory approval.
46	19.02.2020	PIL/ VK2/ IRCON/ 444 / 2020	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP at Ch. 338+455.
47	19.02.2020	PIL/ VK2/ IRCON/ 445 / 2020	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP at Ch. 338+950.
48	19.02.2020	PIL/ HO/VKP2/IRCON/113 / 2020	Submission of design & drawings of Toe Wall.
49	19.02.2020	PIL/ VK2/ IRCON/ 446 / 2020	Submission of Borrow area 51A, 63B & 69A
50	19.02.2020	PIL/ VK2/ IRCON/ 447 / 2020	Submission of 28 Days Comprehensive Strength Report of M50 Mix Design.
51	19.02.2020	PIL/ VK2/ IRCON/ 449 / 2020	Compliance of Test results of Borrow areas in MPR for December 2019.

Sr.	Date	Letter Number	Subject of Correspondence
52	20.02.2020	PIL/ VK2/ IRCON/ 450 / 2020	Submission of the working capital advance (WCA -03) against the work done, which could not be billed.
53	20.02.2020	PIL/ VK2/ IRCON/ 451 / 2020	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP at Ch. 340+820 & PUP/CUP at Ch. 340+419.
54	20.02.2020	PIL/ VK2/ IRCON/ 452 / 2020	Submission of Borrow area 78, 78A, 79,79A, 80, 80A, 81 & 81A
55	21.02.2020	PIL/ VK2/ IRCON/ 453 / 2020	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP at Ch. 345+025 & PUP/CUP at Ch. 345+653.
56	22.02.2020	PIL/ VK2/ IRCON/ 454 / 2020	Regarding Slow Progress of structure works from km 347 to km 355.
57	25.02.2020	PIL/ VK2/ IRCON/ 455 / 2020	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP at Ch. 347+108.
58	25.02.2020	PIL/ VK2/ IRCON/ 456 / 2020	Submission & Approval of Company profile & Credentials of M/s Choksey Chemicals Pvt. Ltd. (CCPL) for source approval of Resin Based Curing Compound.
59	25.02.2020	PIL/ VK2/ IRCON/ 457 / 2020	Submission of Borrow area 3D
60	26.02.2020	PIL/ VK2/ IRCON/ 458 / 2020	Submission of Borrow area 74, 74A, 65B & 65C.
61	27.02.2020	PIL/ VK2/ IRCON/ 459 / 2020	Non Conformance Report (NCR for Ch . 335+120 to 335+220 LHS)
62	28.02.2020	PIL/ VK2/ IRCON/ 461 / 2020	Submission of test reports for Back filling Materials.
63	28.02.2020	PIL/ VK2/ IRCON/ 462 / 2020	Submission of Mix design for Concreting.
64	29.02.2020	PIL/ HO/VKP2/IRCON/130 / 2020	Traffic and Pavement Design Report (Km. 323+000 to 355+000)
65	29.02.2020	PIL/ VK2/ IRCON/ 463 / 2020	Submission of Initial Vertical Pile Load Testing Report for MNB at Ch. 330+640. Test is conducted by the agency Aadhya Engineering services.
66	29.02.2020	PIL/ VK2/ IRCON/ 464 / 2020	Submission of IPC - 08
67	29.02.2020	PIL/ VK2/ IRCON/ 465 / 2020	Submission of Borrow area 67A, 58A & 58B.
68	29.02.2020	PIL/ HO/VKP2/IRCON/132 / 2020	Request for the suitable amendment of Schedule - H of EPC Contract Agreement.

Details of Letter Correspondence From IRCON TO PIL.

Sr.	Date	Letter Number	Subject of Correspondence
1	05.02.2020	IRCON/ 3019/ VKE/ PATEL / 1279	Regarding Slow Progress of structure works from km 347 to km 355
2	06.02.2020	IRCON/ 3019/ VKE/ PATEL / 1282	Required Permission for the construction work of approach road in your Jurisdiction of Express Highways Between Chainage 333/900
3	06.02.2020	IRCON/ 3019/ VKE/ PATEL / 1283	Submission of Mix design for Concreting
4	06.02.2020	IRCON/ 3019/ VKE/ PATEL / 1284	Submission of Design & Drawing of Bearings for Interchange at Chainage 353+670 expect box girder span and 25 meter span
5	06.02.2020	IRCON/ 3019/ VKE/ PATEL / 1285	Submission of Design & Drawing of POT/PTFE Bearing for Interchange at ch. 323+087
6	07.02.2020	IRCON/ 3019/ VKE/ PATEL / 1290	Dry Lean concrete Trial stretch
7	11.02.2020	IRCON/ 3019/ VKE/ PATEL / 1295	GETCO Revised Estimates for Utility shifting
8	12.02.2020	IRCON/ 3019/ VKE/ PATEL / 1299	Static pile load test on Test Pile not conducted at MJB 336+810
9	12.02.2020	IRCON/ 3019/ VKE/ PATEL / 1300	Use of Geotextile Separation Membrane layer
10	13.02.2020	IRCON/ 3019/ VKE/ PATEL / 1302	Structural Tests to be conducted on some structures to ascertain the quality of works during the construction stage (NDT)
11	13.02.2020	IRCON/ 3019/ VKE/ PATEL / 1303	GETCO Revised Estimates for Utility shifting
12	13.02.2020	IRCON/ 3019/ VKE/ PATEL / 1304	Programme of Inspection on the Project Highway for the month of February 2020
13	13.02.2020	IRCON/ 3019/ VKE/ PATEL / 1305	Estimates for Shifting / Modification of EHV Transmission Lines of 400 KV SUGEN-PIRANA Lines
14	13.02.2020	IRCON/ 3019/ VKE/ PATEL / 1306	Shifting of various 220 KV & 400 KV Transmission lines of POWERGRID for the proposed Vadodara - Mumbai Eight Lane Expressway in the state of Gujarat
15	14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1312	Use of unapproved material at site
16	14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1313	Permission for laying 12.75"OD x 0.25" WT MS Pipeline along with OFC across Vadodara Mumbai Expressway (Under Construction) between Ch. 325 km & 326 km. for DahejDumad Section of KandlaGroakhpur LPG pipeline project
17	14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1314	Production of Dry Lean Concrete (DLC)
18	14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1315	Non Conformance Report (NCR)
19	14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1316	Regarding construction of Pier Cap at VOP 339+441
20	14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1317	Regarding Initial Pile Load & Routine Pile Load Tests
21	14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1318	Delay in submission & finalization of Design & Drawing ROB at 352+946
22	14.02.2020	MOM	Minutes of meeting held at Ircon's Vadodara Project office on 14.02.2020 at 16.00 Hrs to discuss the progress of the project and further course of action.
23	15.02.2020	IRCON/ 3019/ VKE/ PATEL / 1320	Drone Video Recording of Project Stretch in Package II of Vadodara Kim Expressway
24	15.02.2020	IRCON/ 3019/ VKE/ PATEL / 1321	Submission of Borrow Area 53.
25	15.02.2020	IRCON/ 3019/ VKE/ PATEL / 1322	Submission of Test Results of Borrow Area no. 25A, 25B, 67, 52C, 52D, 55C, 55D, 50A, 50B, 57A, 57B, and 61
26	17.02.2020	IRCON/ 3019/ VKE/ PATEL / 1324	Submission of Revised Construction Time schedule.
27	17.02.2020	IRCON/ 3019/ VKE/ PATEL / 1331	Submission of Company Profile & Credentials of M/s Yash Enterprises for PQC Items (Separation Membrane & Dowel Bar cap) for Source approval

Sr.	Date	Letter Number	Subject of Correspondence
28	17.02.2020	IRCON/ 3019/ VKE/ PATEL / 1332	Submission of Drawings, Design & Geotech Reports for MNB at Ch. 350+201
29	18.02.2020	IRCON/ 3019/ VKE/ PATEL / 1341	Non Conformance Report (NCR)
30	19.02.2020	IRCON/ 3019/ VKE/ PATEL / 1342	Monthly details to be submitted to NHAI for the month of February 2020
31	19.02.2020	IRCON/ 3019/ VKE/ PATEL / 1343	Submission of Design, Drawings & Geotech Report for MNB at Ch. 329+062.
32	19.02.2020	IRCON/ 3019/ VKE/ PATEL / 1344	Submission of Drawings, Design & Geotech Report for MNB at Ch. 337+874.
33	19.02.2020	IRCON/ 3019/ VKE/ PATEL / 1345	Required Permission for the construction work of approach road in your Jurisdiction of Express Highway between ch. 333+900.
34	19.02.2020	IRCON/ 3019/ VKE/ PATEL / 1346	Permission for laying 12.75" ODx0.25" WT MS Pipeline along with OFC across Vadodara Mumbai Expressway (under construction) between Ch. 325 Km. & 326 Km. for Dahej Dumad Section of Kandla Gorakhpur LPG pipeline project
35	21.02.2020	IRCON/ 3019/ VKE/ PATEL / 1358	GETCO Revised Estimate for Utility Shifting.
36	21.02.2020	IRCON/ 3019/ VKE/ PATEL / 1359	Submission of Company Profile and Credentials of M/s STEEL AUTO INDUSTRIES for Bridge Bearing source approval.
37	21.02.2020	IRCON/ 3019/ VKE/ PATEL / 1360	Submission of 28 Days Compressive Strength Reports of M45 Mix Design.
38	21.02.2020	IRCON/ 3019/ VKE/ PATEL / 1361	Submission of Test Results of Borrow Area no. 66, 66A, 56C, 56D, 60A, and 60B.
39	22.02.2020	IRCON/ 3019/ VKE/ PATEL / 1362	Submission of Company Profile & Credentials of M/s D.P. Wires Limited for H.T. steel wire strands (Low Relaxation Prestressed concrete for source approval.
40	22.02.2020	IRCON/ 3019/ VKE/ PATEL / 1363	Submission of test reports of source visit of Strata Geosystems (India) Pvt. Ltd. for Geogrid.
41	22.02.2020	IRCON/ 3019/ VKE/ PATEL / 1364	Submission of Backfilling Material.
42	22.02.2020	IRCON/ 3019/ VKE/ PATEL / 1365	Submission of Borrow area 56A & 56B
43	22.02.2020	IRCON/ 3019/ VKE/ PATEL / 1366	Submission of Test Results of Borrow Area no. 68 & 68 A.
44	25.02.2020	IRCON/ 3019/ VKE/ PATEL / 1373	Submission of Test Results of Borrow Area No. 2B, 2C, 59B, and 59C
45	25.02.2020	IRCON/ 3019/ VKE/ PATEL / 1374	Submission of Test Results of Borrow Area No. 37A, 62, 63, 63A, 65 and 65A
46	26.02.2020	IRCON/ 3019/ VKE/ PATEL / 1376	(i) Approval of proposed structure for 13 canal crossing falling under Narmada Project Canal Division no. 5 Karjan between Ch. 315+230 to 333+650 of Vadodara Mumbai Expressway (ii) Approval of the Nigam for crossing of 19 Nos. of Narmada Canal under Block no. 9A3 and 9C1 for proposed Vadodara - Mumbai Expressway to be executed under NHDP Phase -I by NHAI (iii) Approval of GADs for Canal crossing falling under N.P. Canal Planning & Design Division Five (5) bridge at VME Ch. 290+065, 291+275, 307+734, 309+853 and 312+815 & fifteen (15) RCC Box/Hume Pipe
47	28.02.2020	IRCON/ 3019/ VKE/ PATEL / 1387	Monthly Progress Reports of M/s Patel Infrastructure Limited (PIL)
48	28.02.2020	IRCON/ 3019/ VKE/ PATEL / 1388	Submission of Test Results of Borrow Area No. 24D, 28C, 28D, 77 & 77A.
49	28.02.2020	IRCON/ 3019/ VKE/ PATEL / 1389	Submission of Test Results of Borrow Area No. 76, 76A, and 69.
50	28.02.2020	IRCON/ 3019/ VKE/ PATEL / 1390	Submission of Test Results of Borrow Area No. 49C & 49D.
51	28.02.2020	IRCON/ 3019/ VKE/ PATEL / 1391	Proposed remedial action for the construction of Pier Cap at VOP at Ch. 349+441.
52	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1393	Submission of Test Results of Borrow Area No. 51A, 63B, and 69A.
53	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1394	Submission of Concrete Mix Design for M20, M30, M35, Pile and M35 Grade RCC

Sr.	Date	Letter Number	Subject of Correspondence
54	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1395	Submission of Test Results of Borrow Area No. 49D and 75 for Backfilling
55	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1396	Submission of Company profile and credentials of M/s Bostik India Pvt. Ltd. for PQC Joint Sealant Source approval.
56	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1397	Compliance to the observation made on design and drawing of foundation and substructure of Interchange at km 353+670
57	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1398	Submission of M45 Concrete Mix Design.
58	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1399	Submission of Detailed Design and Drawing of POT and PTFE Bearings of Major Bridge 336+810
59	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1400	Submission of Design and Drawing of Minor Bridge at ch. 324+193
60	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1401	Approval of Company profile and credentials of M/S Ambuja Cement and Wonder Cement
61	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1403	Factory visit and testing of materials and work in external laboratories and manufacturing premises
62	29.02.2020	IRCON/ 3019/ VKE/ PATEL / 1405	Submission of DLC Trial Stretch Test Result data.

MONTHLY WEATHER REPORT

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

For The Month of February-2020

Client
Concessionaire
Independent Engineer
EPC Contractor
Contractor

National Highways Authority of India
Irecon Vadodara Kim Expressway Ltd.
Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
Irecon International Ltd.
Patel Infrastructure Ltd.

S. No.	DATE	TEMPERATURE (°C)		HUMIDITY (%)		RAINFALL (mm)	CUMMULATIVE RAINFALL (mm)	WEATHER	REMARKS
		Min.	Max.	Min.	Max.				
1	01-Feb-20	16.70	26.70	31.00	65.00	-	-	Sunny	
2	02-Feb-20	15.10	27.60	32.00	65.00	-	-	Sunny	
3	03-Feb-20	16.20	27.50	32.00	66.00	-	-	Sunny	
4	04-Feb-20	16.03	27.10	31.00	64.00	-	-	Sunny	
5	05-Feb-20	15.06	28.60	32.00	66.00	-	-	Sunny	
6	06-Feb-20	16.04	27.50	31.00	65.00	-	-	Sunny	
7	07-Feb-20	16.20	28.70	28.00	63.00	-	-	Sunny	
8	08-Feb-20	16.20	28.70	28.00	63.00	-	-	Sunny	
9	09-Feb-20	16.20	28.70	28.00	63.00	-	-	Sunny	
10	10-Feb-20	16.28	28.80	31.00	68.00	-	-	Sunny	
11	11-Feb-20	21.20	30.40	40.00	61.00	-	-	Sunny	
12	12-Feb-20	21.80	31.40	40.00	65.00	-	-	Sunny	
13	13-Feb-20	21.50	30.90	39.00	62.00	-	-	Sunny	
14	14-Feb-20	18.90	31.80	31.00	68.00	-	-	Sunny	
15	15-Feb-20	20.50	30.60	31.00	63.00	-	-	Sunny	
16	16-Feb-20	21.80	32.10	36.00	65.00	-	-	Sunny	
17	17-Feb-20	22.00	32.70	28.00	51.00	-	-	Sunny	
18	18-Feb-20	21.30	33.40	35.00	58.00	-	-	Sunny	
19	19-Feb-20	21.10	32.90	28.00	67.00	-	-	Sunny	
20	20-Feb-20	21.30	33.10	33.00	62.00	-	-	Sunny	
21	21-Feb-20	20.40	32.70	31.00	70.00	-	-	Sunny	
22	22-Feb-20	20.70	31.70	31.00	72.00	-	-	Sunny	
23	23-Feb-20	20.20	31.70	25.00	72.00	-	-	Sunny	
24	24-Feb-20	20.10	31.70	25.00	72.00	-	-	Sunny	
25	25-Feb-20	20.30	30.90	25.00	60.00	-	-	Sunny	
26	26-Feb-20	20.80	31.60	25.00	58.00	-	-	Sunny	
27	27-Feb-20	21.40	32.70	25.00	77.00	-	-	Sunny	
28	28-Feb-20	21.90	33.90	25.00	61.00	-	-	Sunny	
29	29-Feb-20	21.90	32.20	33.00	61.00	-	-	Sunny	
Cummulative Rainfall Till Date							-	mm	

Rohayl
PZ AE/Lab
EPC Representative

[Signature]
Concessionaire Representative

IE Representative

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

Client National Highways Authority of India
 Concessionaire Iron Vadoara Kim Expressway Ltd
 Independent Engineer Aarvee Associates Architects Engineers & Consultants Pvt. Ltd
 EPC Contractor Iron International Ltd.
 Contractor Patel Infrastructure Ltd.

MONTHLY PROGRESS REPORT (PKG-II)

Feb. 2020

OGL

S.No	Description of Test	No. of Test Conducted upto 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	
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	226	226	0		
3	Sand Content (GSA)	226	226	0	0	0	0	226	226	0		
4	Free Swell Index	226	226	0	0	0	0	226	226	0		
5	C.B.R	30	30	0	0	0	0	30	30	0		

Shoulder

S.No	Description of Test	No. of Test Conducted upto 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	
1	Proctor Test	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		
3	Sand Content (GSA)	0	0	0	0	0	0	0	0	0		
4	Free Swell Index	0	0	0	0	0	0	0	0	0		
5	C.B.R	0	0	0	0	0	0	0	0	0		

Existing Site Sample (MCW/SR)

S.No	Description of Test	No. of Test Conducted upto 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	
1	Proctor Test	30	30	0	1	1	0	1	31	31	0	Frequency of testing is as per specification
2	LL/PI	12	12	0	1	1	0	13	13	0		
3	Sand Content (GSA)	12	12	0	1	1	0	13	13	0		
4	Free Swell Index	12	12	0	1	1	0	13	13	0		
5	C.B.R	34	34	2	1	1	0	35	35	2		

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EPC Representative

Concessionaire Representative

IE Representative

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

Client National Highways Authority of India
 Concessionaire Iron Vadoara Kim Expressway Ltd
 Independent Engineer Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
 EPC Contractor Iron International Ltd.
 Contractor Patel Infrastructure Ltd.

MONTHLY PROGRESS REPORT (PKG-II)

Feb. 2020

Borrow Materials

S.No	Description of Test	No. of Test Conducted upto 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	
1	Proctor Test	3420	3420	0	611	611	0	122	4031	4031	0	Frequency of testing is as per specification
2	LL/PI	3420	3420	0	611	611	0	122	4031	4031	0	
3	Sand Content (GSA)	3420	3420	0	611	611	0	122	4031	4031	0	
4	Free Swell Index	3420	3420	0	611	611	0	122	4031	4031	0	
5	C.B.R	649	606	43	156	140	16	31	805	746	59	
6	C.B.R (Soil Blended with Sand/Lime/Copper)	15	4	11	1	1	0	0	16	5	11	

Soil Stabilization

S.No	Description of Test	No. of Test Conducted upto 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	
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	

Granular Sub Base

S.No	Description of Test	No. of Test Conducted upto 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	
1	Proctor Test	8	8	0	0	0	0	0	8	8	0	Frequency of testing is as per specification
2	Gradation	249	244	5	60	58	2	12	309	302	7	
3	LL/PI	244	244	0	29	29	0	6	273	273	0	
4	10% fines Value	2	2	0	0	0	0	0	2	2	0	
5	AIV	21	21	0	10	10	0	2	31	31	0	
6	C.B.R	8	8	0	0	0	0	0	8	8	0	

[Signature]
 EPC Representative

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 Concessionaire Representative

[Signature]
 I.E Representative

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

Client National Highways Authority of India
 Concessionaire Iicon Vadoara Kim Expressway Ltd
 Independent Engineer Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
 EPC Contractor Iicon International Ltd.
 Contractor Patel Infrastructure Ltd.

MONTHLY PROGRESS REPORT (PKG-II)

Feb. 2020

Existing Site Sample(GSB/WMM)

S.No	Description of Test	No. of Test Conducted upto previous month			No. of Test Conducted during this Month				Cummulative 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	
1	Proctor Test	0	0	0	0	0	0	0	0	0	0	Frequency of testing is as per specification
2	Gradation	2	2	0	2	0	0	4	4	0		
3	LL/PI	2	2	0	2	0	0	4	4	0		
4	A.I.V.	0	0	0	0	0	0	0	0	0		
5	F.I. & E.I.	0	0	0	0	0	0	0	0	0		
6	10% fines Value	0	0	0	0	0	0	0	0	0		
7	Water Absorption	0	0	0	0	0	0	0	0	0		
8	L.A.A.V	0	0	0	0	0	0	0	0	0		
9	CBR	0	0	0	0	0	0	0	0	0		

Concrete Works

S.No	Description of Test	No. of Test Conducted upto previous month			No. of Test Conducted during this Month				Cummulative 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	
A	Compressive Strength of concrete cubes											
1	Concrete (Grouting)											
	7 days	0	0	0	0	0	0	0	0	0		
2	M-15 Concrete											
	7 Days	0	0	0	0	0	0	0	0	0		
	28 days	0	0	0	0	0	0	0	0	0		
3	M-20 Concrete											
	7 Days	698	698	0	66	66	0	13	764	764	0	
	28 days	1583	1583	0	108	108	0	22	1691	1691	0	
4	M-25 Concrete											
	7 Days	0	0	0	0	0	0	0	0	0		
	28 days	0	0	0	0	0	0	0	0	0		

Patel
 PSE AET/Kab
 EPC Representative

[Signature]
 IRCON/DMM/C
 Concessionaire Representative

[Signature]
 IE Representative

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

Client National Highways Authority of India
 Concessionaire Ircan Vadoara Kim Expressway Ltd
 Independent Engineer Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
 EPC Contractor Ircan International Ltd.
 Contractor Patel Infrastructure Ltd.

MONTHLY PROGRESS REPORT (PKG-II)

Feb. 2020

5	M-30 Concrete										
	7 Days	381	381	0	130	130	0	26	511	511	0
	28 days	992	992	0	471	471	0	94	1463	1463	0
6	M-35 (Pile)										
	7 Days	878	878	0	9	9	0	2	887	887	0
	28 days	4647	4647	0	83	83	0	17	4730	4730	0
	M-35 (RCC)										
	7 Days	850	850	0	224	224	0	45	1074	1074	0
	28 days	2678	2678	0	663	663	0	133	3341	3341	0
	M-35 (RE)										
	7 Days	136	136	0	11	11	0	2	147	147	0
	28 days	521	521	0	38	38	0	8	559	559	0
7	M-40 Concrete										
	7 Days	4	4	0	16	16	0	3	20	20	0
	28 days	1	1	0	12	12	0	2	13	13	0
8	M-45 Concrete										
	7 Days	0	0	0	5	5	0	0	5	5	0
	28 days	0	0	0	4	4	0	4	4	4	0
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	0
11	DLC Concrete										
	07 days	4	4	0	37	37	0	20	41	41	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)	11	11	0	15	15	0	3	26	26	0
b)	Coarse Aggregate Gradation	306	305	1	29	29	0	6	335	334	1
c)	Fine Aggregate Gradation	305	305	0	29	29	0	6	334	334	0
d)	Flakiness Index	210	210	0	4	4	0	1	214	214	0
e)	Impact Test	209	209	0	4	4	0	1	213	213	0
f)	Specific Gravity	18	18	0	0	0	0	0	18	18	0

Frequency of testing is as per specification

Arvind
 PQC/RE/Lab
 EPC Representative

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 Concessionaire Representative

[Signature]
 IE Representative

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujarat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

Client National Highways Authority of India
 Concessionaire Icon Vadoara Kim Expressway Ltd
 Independent Engineer Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
 EPC Contractor Icon International Ltd.
 Contractor Patel Infrastructure Ltd.

MONTHLY PROGRESS REPORT (PKG-II)

Feb. 2020

g) Water Absorption	18	18	0	0	0	0	0	18	18	0
B. Testing of stone										
a) Petrographical Examination	4	3	0	0	0	0	0	4	3	0
b) Alkali Agg Reactivity	5	4	0	0	0	0	0	5	4	0
c) Chloride Content	5	4	0	0	0	0	0	5	4	0
d) Sulphate Content	5	4	0	0	0	0	0	5	4	0
e) Del material Content	5	4	0	0	0	0	0	5	4	0
f) Sp. Gr & Water Absorption	5	4	0	0	0	0	0	5	4	0

Cement Testing

(i) OPC-43 Grade

S.No	Description of Test	No. of Test Conducted upto 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	
1	Consistency	15	15	0	0	0	0	0	15	15	0	Frequency of testing is as per specification
2	Initial & Final Setting Time	15	15	0	0	0	0	0	15	15	0	
3	Fineness	15	15	0	0	0	0	0	15	15	0	
4	Specific Gravity	4	4	0	0	0	0	0	4	4	0	
5	3 days Comp. Strength	15	15	0	0	0	0	0	15	15	0	
6	7 days Comp. Strength	15	15	0	0	0	0	0	15	15	0	
7	28 days Comp. Strength	6	6	0	1	1	0	0	7	7	0	

(ii) OPC-53 Grade

S.No	Description of Test	No. of Test Conducted upto 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	
1	Consistency	119	119	0	22	22	0	4	141	141	0	Frequency of testing is as per specification
2	Initial & Final Setting Time	119	119	0	22	22	0	4	141	141	0	
3	Fineness	119	119	0	22	22	0	4	141	141	0	
4	Specific Gravity	2	2	0	0	0	0	0	2	2	0	
5	3 days Comp. Strength	118	118	0	24	24	0	5	142	142	0	
6	7 days Comp. Strength	118	118	0	23	23	0	5	141	141	0	
7	28 days Comp. Strength	100	100	0	23	23	0	5	123	123	0	

Abhraj
 P.E. AE/Cell
 EPC Representative

[Signature]
 Concessionaire Representative

[Signature]
 I.E Representative

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

Client National Highways Authority of India
 Concessionaire Iacon Vadodara Kim Expressway Ltd.
 Independent Engineer Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
 EPC Contractor Iacon International Ltd.
 Contractor Patel Infrastructure Ltd.

MONTHLY PROGRESS REPORT (PKG-II)

Feb. 2020

Design Mix/Nominal Mix

S.No	Description of Test	No. of Test Conducted upto 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	
1	M-15	0	0	0	0	0	0	0	0	0		
2	M-20	47	47	0	1	1	0	0	48	48	0	
3	M-20 (Kerb)	0	0	0	0	0	0	0	0	0		
4	M-25	0	0	0	0	0	0	0	0	0		
5	M-30	48	48	0	1	1	0	1	49	49	0	
6	M-35 (R.C.C.)	48	48	0	1	1	0	1	49	49	0	
7	M-35 (Paving)	46	46	0	1	1	0	0	47	47	0	
8	M-35 (RE-Block)	7	7	0	2	2	0	0	9	9	0	
9	M-40	41	41	0	4	4	0	1	45	45	0	
10	M-45	2	2	0	6	5	0	2	8	8	0	
11	M-50	0	0	0	4	4	0	1	4	0	0	
11	GP2	0	0	0	0	0	0	0	0	0		
12	D.L.C.	13	13	0	0	0	0	0	13	13	0	
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		
15	M-40 P.O.C.	0	0	0	0	0	0	0	0	0		
17	DBM GRADE - II	0	0	0	0	0	0	0	0	0		
19	BC GRADE - II	0	0	0	0	0	0	0	0	0		

(28 days Strength Achieved)

7 days Strength Achieved

Calibrations

S.No	Description of Test	No. of Test Conducted upto 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	
1	WMM Plant	0	0	0	0	0	0	0	0	0	0	
2	Concrete Batching Plant	21	21	0	3	3	0	1	24	24	0	
3	Hot Mix Plant	0	0	0	0	0	0	0	0	0	0	
4	Rapid Moisture Meter	22	22	0	3	3	0	2	25	25	0	
5	Sand Pouring Cylinder	35	35	0	3	3	0	2	38	38	0	
6	C.T.M.	3	3	0	0	0	0	0	3	3	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	Proving 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 Limhoff 320	0	0	0	0	0	0	0	0	0	0	

AE/Rep
 EPC Representative

[Signature]
 Concessionaire Representative

[Signature]
 IE Representative

NATIONAL HIGHWAYS AUTHORITY OF INDIA

Eight-laning of Vadodara Kim Expressway from km 323.00 to km 355.00 (Sapna to Padra Section of Vadodara Mumbai Expressway) in the state of Gujrat under NHDP Phase -VI on EPC Mode (Phase IA - Package-II)

Client National Highways Authority of India

Concessionaire Iroon Vadodara Kim Expressway Ltd

Independent Engineer Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.

EPC Contractor Iroon International Ltd.

Contractor Patel Infrastructure Ltd.

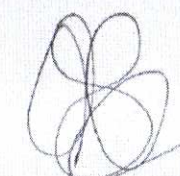
MONTHLY PROGRESS REPORT (PKG-II)

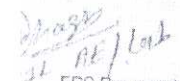
Feb. 2020

Field Density Test

S.No	Description of Test	No. of Test Conducted upto 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	
1	O.G.L.	3089	3083	6	30	28	1	6	3119	3111	7	Frequency of testing is as per specification(Set) Ground Improvement
2	Embankment	6623	6601	22	990	981	9	198	7613	7582	31	
3	Subgrade	496	492	4	401	399	2	80	897	891	6	
4	G.S.B	780	769	11	220	218	2	44	1000	987	13	
5	W.M.M	0	0	0	0	0	0	0	0	0	0	
6	D.L.C.	30	30	0	59	59	0	12	89	89	0	
7	C.T.B.	0	0	0	0	0	0	0	0	0	0	
8	B.S.M	0	0	0	0	0	0	0	0	0	0	
9	Back filling	50	48	2	69	66	3	14	119	114	5	
10	Shoulder/Median	0	0	0	0	0	0	0	0	0	0	
11	Embankment (RF Wall)	12	12	0	0	0	0	0	12	12	0	

FDD Tests witnessed by site AHE's/Aarvee and IROON Rep.


Concessionaire Representative


EPC Representative

IE Representative



323+074 LHS PIER CAP SHUTTERING WORK IN PROGRESS



323+074 INTERCHANGE PIER CAP SHUTTERING WORK IS IN PROGRESS



330+640 MNB GIRDER CASTING IN PROGRESS



353+666 IC LP3 PIER CAP CURING WORK IS IN PROGRESS



SG TESTING AT CH 338+050 TO 338+100



SG TESTING AT CH 338+050 TO 338+100



334+868 CUP RE WALL BLOCK ERRECTION AND GEOGRID LAYING IN PROGRESS



ROLLING AND HESSIAN CLOTH SPREADING WORK IS IN PROGRESS AT DLC



351+009 BOX CULVERT PROTECTION OF REINFORCEMENT
BY CEMENT SLURRY.



347+922 CUP PROTECTION OF REINFORCEMENT
BY CEMENT SLURRY.



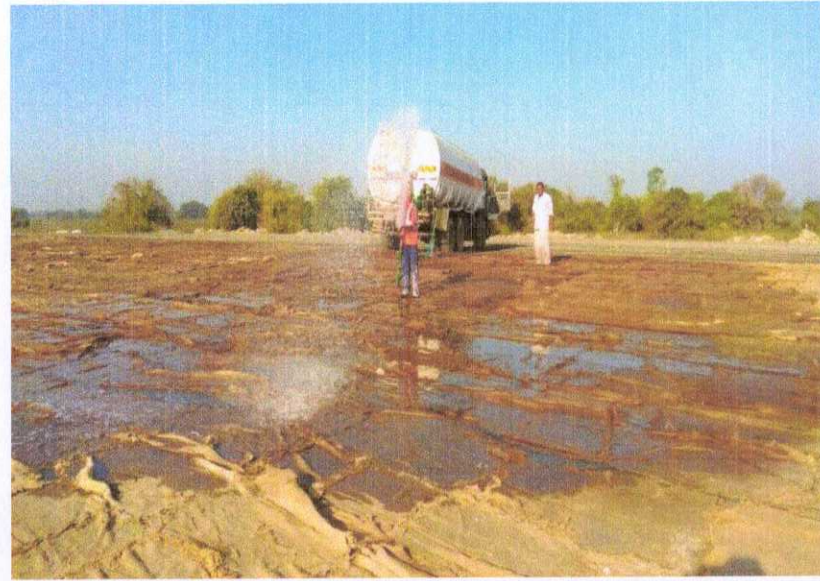
347+922 CUP PROTECTION OF REINFORCEMENT
BY CEMENT SLURRY.



347+922 CUP PROTECTION OF REINFORCEMENT
BY CEMENT SLURRY.



DLC LAYING WORK IS IN PROGRESS
AT CH. 332+720 TO 332+850 RHS



DLC CURING WORK AT CH 332+725 TO 332+850 RHS



DLC LAYING COMPLETED AT CH. 332+970 to 333+090 RHS



DLC LAYING IN PROGRESS AT CH. 332+970 TO 333+090 RHS



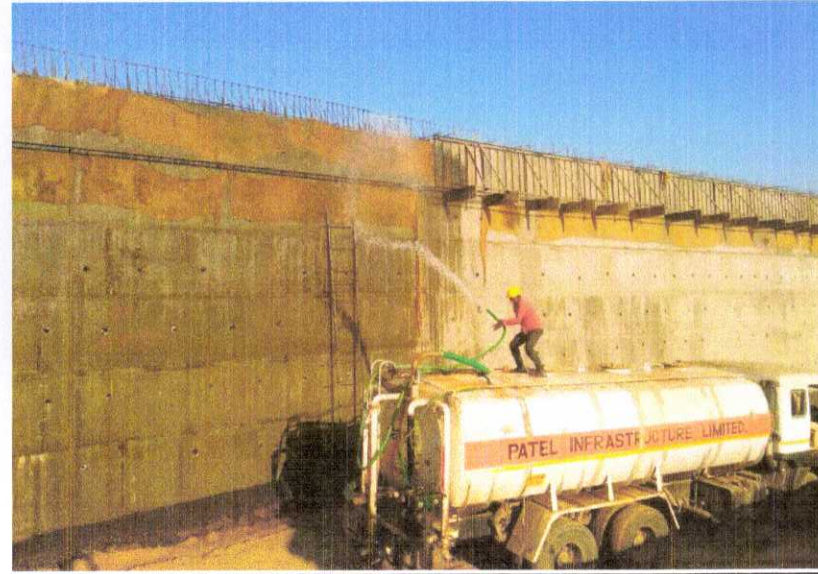
RETAINING WALL RHS PCC WORK IS IN PROGRESS
AT CH. 353+490 TO 353+510



RETAINING WALL SHUTTERING WORK IN PROGRESS
AT CH NO 323+172 TO 323+192 LHS



353+265 TO 353+285 RHS RETAINING WALL RAFT CURRING



192+416 LHS RETAINING WALL CURING WORK IN PROGRESS



IRCON CMD & PIL MD VISIT DATED 24/02/2020

