

MONTHLY PROGRESS REPORT

JULY-2019



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

Concessionaire:



IRCON INTERNATIONAL LIMITED

(A Government of India Undertaking)

EPC Contractor:



Every Milestone is Our Value

PATEL INFRASTRUCTURE LIMITED

PATEL HOUSE, CHANNI, VADODARA

INDEX

I.	LOCATION PLAN.....	4
	a. Key plan of Expressway.....	4
	b. Key plan of Project.....	5
	c. Project Logistic Plan and Location of Camp.....	5
II.	EXECUTIVE SUMMARY.....	6
	a. Project Synopsis.....	6
III.	PROJECT OVERVIEW.....	7
	a. Milestones as per CA.....	7
	b. Details of Typical Cross Section.....	8
	c. Details of MCW.....	9
	d. Details of Structures.....	9
	e. Organization Chart.....	10
	f. Details of Manpower Deployed.....	11-16
	g. Details of Plant and Machinery Deployed.....	17-18
	h. Details of Applicable Permits.....	19
IV.	Project Progress.....	20
	a. Physical Progress.....	20
	b. Highway Progress.....	20
	c. Structure Progress.....	21
V.	STATUS OF LAND ACQUISITION.....	22
VI.	UTILITY SHIFTING.....	23-26
VII.	STATUS OF DESIGN AND DRAWING.....	27-36
VIII.	WEATHER REPORT.....	37
IX.	STATUS OF RFI.....	38
X.	SUMMARY OF TESTS CONDUCTED.....	39-46
XI.	LAB EQUIPMENT CALIBRATION REPORT.....	47-56
XII.	PROGRESS PHOTOGRAPHS.....	57-60
XIII.	ANNEXURES.....	61
	a. Annexure 1A: Project progress overview in current month.....	61-62
	b. Annexure 1B: Calculation of physical progress as per weightage.....	63-67

- c. Annexure 2: Strip plan and Pictorial representation showing progress of Expressway.....68-82
- d. Annexure 3: Details of Hindrance83-102
- e. Annexure 4: Details of Minutes of Minutes of Meeting.....103-106
- f. Annexure 5: Details of Letter correspondence.....107-115

I. LOCATION PLAN

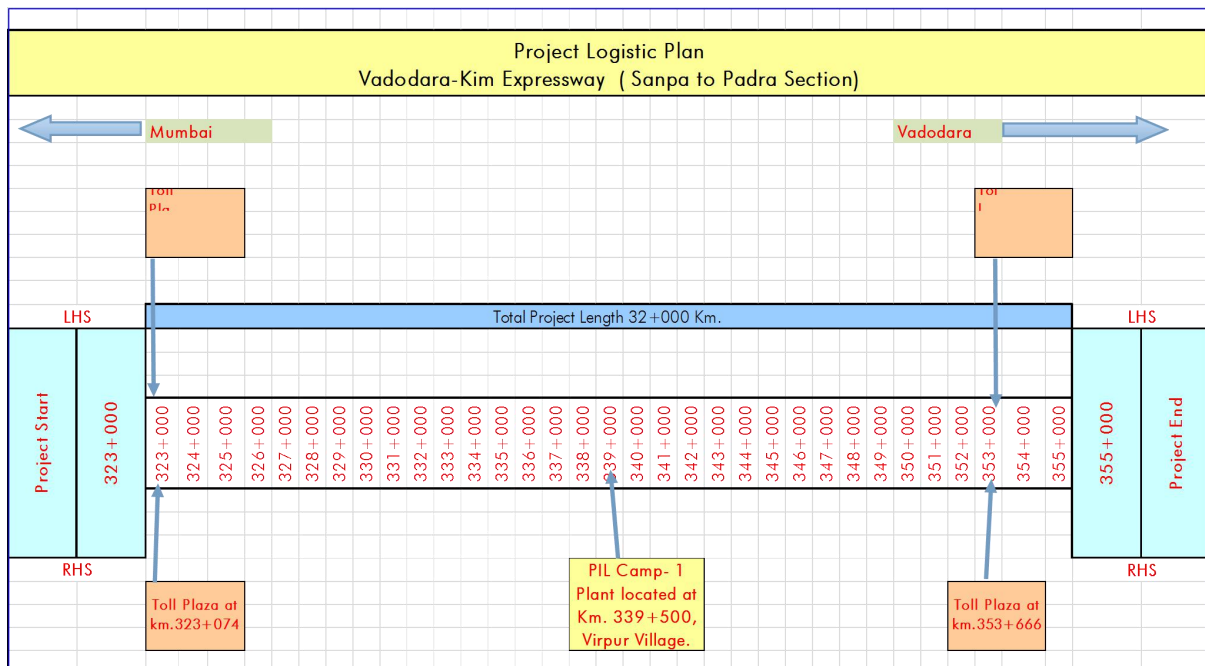
A. Key plan of Expressway



B. KEY PLAN OF PROJECT



C. PROJECT LOGESTIC PLAN AND LOCATION OF CAMP



II. EXECUTIVE SUMMARY

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

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

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

A. Project Synopsis

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

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

III. PROJECT OVERVIEW

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

A. Milestones as per CA:

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

B. Details of Typical Cross section

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

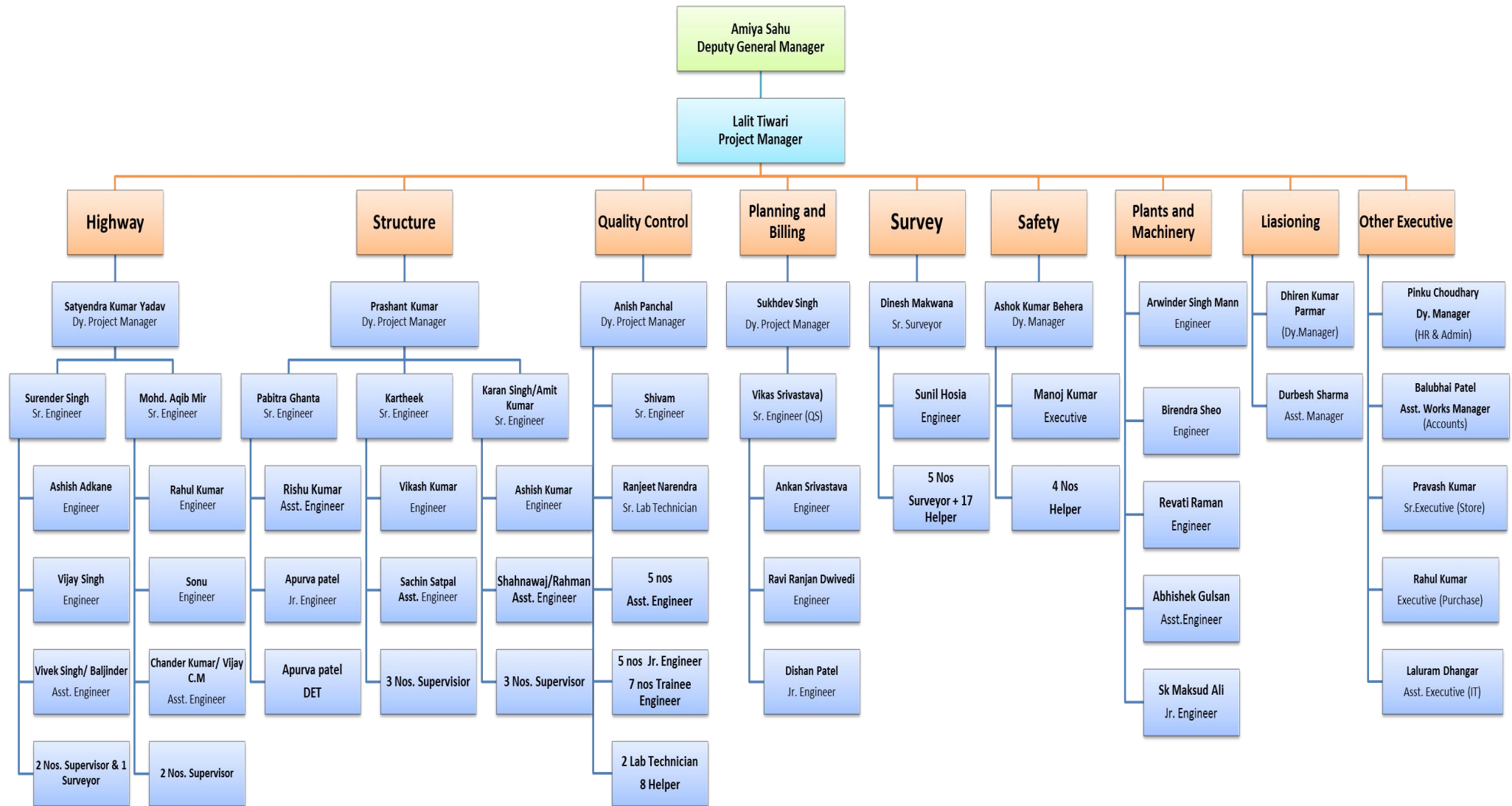
C. Details of MCW:

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

D. Details of Structures:

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

E. ORGANIZATION CHART



F. [Details of Manpower Deployed](#)

Department Wise Staff List				
Sr. No	Emp.ID	Name	Designation	Contact No.
Technical				
DGM				
1	1128	Amiya Sahu	Dy. General Manger	9979857411
PM				
2	10994	Lalit Mohan tewari	Project Manger	9557945969
Highway				
3	4339	Satyendrakumar Yadav	Section Incharge	7347002106
4	11179	Makwana Dhirubhai Balubhai	Asst. Manager (Highway)	9510958619
	8231	Surender Singh Nars	Sr. Engineer (Highway)	9646154182
6	11060	Mohd. Aqib Mir	Sr. Engineer (Highway)	9340812735
7	11078	Rahul Kumar	Engineer (Highway)	8299278945
8	8844	Vijay Singh	Engineer (Highway)	8059568080
9	11138	Sonu	Engineer(Highway)	8607065717
10	11717	Ashish Adkane	Engineer (Highway)	7987439053
11	10991	Deep Chandra Lohumi	Sr. Surveyor	8449035209
12	11276	Vivek Singh	Asst. Enginee(Highway)	7987413248
13	11204	Baljinder Kumar	Asst. Engineer (Highway)	8968538787
14	8040	Chander Kumar	Asst. Engineer (Highway)	7018340372
15	11715	Vijay Kumar C.M	Asst. Engineer (Highway)	
16	11518	Mechhar Samudabhai Vaktabhai	Sr. Supervisor (Highway)	
17	8342	Prem Narayan Singh	Sr. Supervisor (Highway)	
18	6809	Gurmajor Singh	Supervisor (Highway)	
19	5671	Dilip kumar Vyas	Jr. Supervisor (Civil)	
Structure				
20	11108	Prashant Kumar	Dy. Project Manager (Structure)	8141098247
21	11202	Kartheek Potla	Sr. Engineer (Structure)	9398129699
22	11498	Pabitra Ghanta	Sr. Engineer (Structure)	9474313089
25	11076	Ashish Kumar	Engineer (Structure)	7042072714
26	11797	Vikas Kumar	Engineer (Structure)	8979712289
27	11272	Zeyaur Rahman	Asst. Engineer (Structure)	9472147212
28	11367	Shahnawaz Zaf	Asst. Enginee (Structure)	8368970732
29	11479	Rishu Kumar	Asst. Engineer (Structure)	6202692291
30	11482	Sachin Satpal	Asst. Engineer (Structure)	8950935588
31	10726	Patel Apurva	Jr. Engineer (Strucure)	8141716681
32	11442	Adan Khan	DET(Civil)	
33	7333	Shrawan kumar Choudhary	Supervisor (Structure)	

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

Department Wise Staff List				
Sr. No	Emp.ID	Name	Designation	Contact No.
34	7945	Brijesh Rai	Supervisor (Structure)	
35	7972	Bhupendra Sur	Sr. Supervisor(Structure)	
36	2178	Naresh Makwan	Supervisor (Camp)	
37	1404	Vijaysinh Thakor	Supervisor (Camp)	
38	6661	Ashok Singh	Supervisor (Civil)	
Billing & Planning				
38	11921	Sukhdev Singh	DPM (Planning & Billing)	8219566081
39	11486	Vikas Srivastava	Sr. Engineer (QS)	8582911247
40	11520	Ankan Shrivastava	Engineer (Planning & Billing)	9304867628
41	11718	Ravi Dwivedi	Engineer (Billing)	8709731239
42	8630	Dishan Patel	Jr. Engineer (Billing & Planning)	9773255025
43	11681	Vagdoda Kamleshkumar	Sr.Executive	9427026504
Surveyor				
44	3370	Dinesh Makwan	Sr. Surveyor	6352017375
45	7751	Sunil Hoshia	Engineer (Structure)	7888326215
46	3507	Vijay Pamar	Surveyor	9723143994
47	7498	Deepak Kumar	Surveyor	7986773599
48	11207	Ranjeet Singh	Surveyor (TS)	9006559774
49	8784	Devendra kumar	Surveyor	6283537503
50	11646	Vikas Kumar Rathod	Surveyor	
51	11117	Sandeep Kumar	Helper (Survey)	
52	11118	Trilok Kumar	Helper (Survey)	
53	11119	Kapil	Helper (Survey)	
54	11139	Ajay Singh	Helper (Survey)	
55	11164	Radhod Shaileshbhai Shanabhai	Helper (Survey)	
56	11169	Harendra Kumar Singh	Helper (Survey)	
57	11170	Bhanu Partap Singh	Helper (Survey)	
58	11171	Veekash Kumar	Helper (Survey)	
59	11312	Diwan Imransha Chimansha	Helper (Survey)	
60	5158	Monu Ramanand	Helper (Survey)	
61	11359	Anil .	Helper (Survey)	
62	11455	Parmar Sanjaybhai Amarsang	Helper (Survey)	
63	11456	Chauhan Punambhai	Helper (Survey)	
64	11515	Parmar Rajubhai	Helper (Survey)	
65	11686	Virendra Singh	Helper (Survey)	
66	11730	Pawan Kumar	Helper (Survey)	
67	11838	Digambar	Helper (Survey)	

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

Department Wise Staff List				
Sr. No	Emp.ID	Name	Designation	Contact No.
Lab				
68	11706	Anish Panchal	Dy. Project Manager(QA/QC)	8320973838
69	11107	Shivam Srivastava	Sr. Engineer	7001424295
70	1132	Ranjeet Narendra	Sr. Lab Technician	9016960172
71	11481	Hitesh Tyagi	Asst. Engineer(QC)	8077116031
72	11588	Rajkumar Ghagre	Asst. Engineer (Lab)	8517860240
73	11659	Pratik Bose	Asst. Engineer (QC)	9399017211
74	11790	Chandra Prakash Singh	Asst. Engineer (QC)	9576228440
75	11805	Pushpendra Kumar Rana	Asst. Engineer (QA/QC)	8003207476
76	11150	Prashant Singh	Jr. Engineer (QC)	8890877479
77	7331	Ashutosh Pramod	Jr. Engineer (QA/ QC)	7070811516
78	8764	Bhaskar Yadav	Jr. Engineer (QA/ QC)	9140830715
79	11501	Hemendra Kumar Mishra	Jr. Engineer (QA/ QC)	9623880150
80	11629	Samiran Mahanta	Jr. Engineer (QC)	8670774803
81	11614	Parth Patel	PGET (QC)	7567314875
82	11611	Surjit Kumar	GET (QC)	6239229302
83	11395	Achin Dogra	GET (Civil)	7018026701
84	11618	Himanshu Singhal	GET (QC)	9675386110
85	11650	Akash Bhakre	GET (QC)	7776961571
86	11694	Izhar Ahmad	GET (QC)	6393852690
87	11396	SK Masrur Ahamed	DET (Civil)	7001893627
88	11054	Mahesh Kumar	Lab Technician	9351169382
89	11714	Gufran Ahmad	Lab Technician	
90	5541	Manmohan sharma	Helper (Lab)	
91	9089	Rajkumar	Helper (Lab)	
92	11037	Md.Muktarul Hoque	Helper (Lab)	
93	11042	Mohidur Rahaman	Helper (Lab)	
94	11039	Sanjay Kumar Meena	Helper (Lab)	
95	11132	Md. Saddam Hossian	Helper (Lab)	
96	11287	Sandeep Kumar	Helper (Lab)	
97	11766	Parmar Jayesh Himatsinh	Helper (Lab)	
Commercial				
Stores				
98	6606	Pravash Kumar	Sr.Executive (Store)	9439292903
99	11419	Arun Kumar	Executive (Store)	9653097603
100	11491	Papin Kumar Sahu	Executive (Store)	9556143232
101	11511	Sarbeswar Amulya Barik	Executive (Store)	9583983919
102	11259	Prakash Paramanik	Jr. Executive(W/B)	9304640573

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

Department Wise Staff List				
Sr. No	Emp.ID	Name	Designation	Contact No.
103	11260	Bitun Sahoo	Jr. Executive (Store)	9090306799
104	11318	Satyabrata Pa	Executive (Store)	9348923487
105	11570	Chiragbhai Pa	Jr. Executive(W/B)	8780636592
106	11327	Nabakishore Mallick	Jr. Executive(W/B)	8951917836
107	11704	Pandya Alpeshkumar Ambalal	Jr. Executive (W/B)	
108	11400	Laxmikanta	Supervisor(Store)	
109	11307	Chauhan Yuvra	Helper (Store)	
110	11687	Sonu Kumar	Helper (Store)	
Purchase				
111	11500	Rahul Kumar	Executive (Purchase)	9803777758
IT				
112	11502	Lalit Dhangar	Asst. Executive (IT)	7974754506
HR & Admin				
113	11352	Pinku Choudhary	Dy. Manager (HR & Admin)	9510958618
114	11310	Dhiren Kumar Parmar	Dy. Manager (Liaison)	9510958622
115	11488	Swaran Singh	Asst. Manager (S & V)	
116	106503	Durbesh Sharma	Asst. Manager (SPV)	8840881171
117	5222	Sumit Patel	Jr. Executive(HR & Admin)	9712285685
118	9066	Vishant kumar	Jr. Executive(HR & Admin)	7600889245
119	10324	Ram Datt Bhatt	Asst.Security Officer (S & V)	
120	9149	Bachche Lal Yadav .	Supervisor (Mess)	
121	11750	Jayeshkumar Patel	Male Nurse	
122	11116	Piyushbhai	Office Boy	
123	11266	Chauhan Devandra	Office Boy	
124	11047	Guddu Yadav	Cook	
Account				
125	2423	Balubhai Patel	Asst. Works Manager	9909990159
126	11692	Yogesh Kumar Rana	Accountant (F&A)	8320985984
Safety				
127	11748	Ashok Kumar Behera	Dy. Manager	9938068794
128	11548	Manojkumar	Executive (Safety)	
129	11471	Jadav Vikambhai	Helper (Safety)	
130	11472	Parmar Sanjay	Helper (Safety)	
131	11473	Jadav Ranjitsinh	Helper (Safety)	
132	11767	Vasava Sanjaybhai	Helper (Safety)	
Mechanical Dept.(P & M)				
Engineer				
133	10966	Arwinder Singh Mann	Engineer (Mechanical)	6300601968
134	8188	Birendra Mishra	Engineer (Mechanical)	

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

Department Wise Staff List				
Sr. No	Emp.ID	Name	Designation	Contact No.
135	11563	Revati Raman	Engineer (Mechanical)	
136	8074	Abhishek Gulshan	Asst. Engineer (Mechanical)	
137	11440	SK Maksud Ali	Jr. Engineer (Mechanical)	
Supervisor				
138	8429	Anand Sharma	.Sr. Supervisor (Mechanical)	
139	5421	Sanjay Mahida	Supervisor (Mechanical)	
140	8351	Debajit Giridhari	Supervisor (Mechanical)	
Operator				
141	1224	Chhagan Macchar	Operator (RMC Plant)	
142	3186	Gautam Gediya	Operator (RMC Plant)	
143	8213	Md. Seraj	Operator (Batching Plant)	
144	8443	Ranjit Mahto	Operator (Batching Plant)	
145	10818	Pushpraj Patel	Operator (Grader)	
146	11426	Parveen Kumar	Operator (Grader)	
147	10505	Dharmraj Patel	Operator (Excavator)	
148	7542	Md. Shamem Khan	Operator (Excavator)	
149	6539	Sanjay Kol	Operator (Excavator)	
150	2529	Babubhai Machhar	Operator (Roller)	
151	3173	Mahendra Singh	Operator (Roller)	
152	11764	Sunil Kol	Operator (Roller)	
153	11309	Harishbhai S Parmar	Operator (Loader)	
154	11839	Baljeet Singh	Operator(Wheel Loader)	
155	11833	Sitaram Chaudhary	Operator (Loader)	
156	11349	Naveen Tiwari	Operator (Hydra)	
157	11751	Md. Ashraf	Operator (Hydra)	
158	11231	Hari Lal Patel	Operator (JCB)	
159	4833	Anil Jankee	Operator (JCB)	
160	11752	Manish Sing	Operator (WMM)	
161	11840	Ravi Choudhary	operator(Concrete pump)	
Welder				
162	4432	PuranSingh Lakhan	Welder	
163	11351	SK Imtihajul Haque	Welder	
Fitter				
164	7615	Md.Zeyauallah	Fitter (Plant)	
165	3571	Rustam Muhamad	Fitter (Tyre)	
Mechanic				
166	9646	Rasid Ansari	Sr. Mechanic	
167	11685	Ganesh Kumar	Mechanic	
Electrician				
168	11023	Mahendra Kallu	Sr. Electrician	

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

Department Wise Staff List				
Sr. No	Emp.ID	Name	Designation	Contact No.
169	11429	Md. Jawed Ansari	Jr.Electrician (AC&	
Driver(LMV)				
170	7932	Makhan Lal	Driver (L)	
171	10735	Padhiyar Ghanshyambhai	Driver (L)	
172	11280	Dodiya Tinubhai	Driver (L)	
173	6016	Dharmendra Paswan	Driver (L)	
174	11517	Satish Kumar	Driver (L)	
175	11558	Rajesh kumar	Driver (L)	
176	11617	Ajrudin Divan	Driver (L)	
177	11712	Praveen Kumar	Driver (L)	
178	11765	Naresh Kumar	Driver (L)	
179	5991	Upendra Paswan	Driver (Tractor)	
180	11832	Nareshbhai Cahuhan	Driver (L)	
Driver(HMV)				
181	11165	Sunil kumar Mishra	Driver (H)	
182	11328	Kewal Singh	Driver (H)	
183	11377	Sarbjit Singh	Driver (H)	
184	4952	Nandlal Paswan	Driver (H)	
185	4029	Kanubhai Chavda	Driver (H)	
186	6580	Balvir Raj	Driver (H)	
187	6770	Santosh Kumar	Driver (H)	
188	6960	Rajveer Singh	Driver (H)	
189	8011	Manua Lal	Driver (H)	
190	11593	KAUSHIKKUMAR	Driver (H)	
191	2948	Jagdeeshprasad	Driver (H)	
192	11495	KARAMAT Ali	Driver (H)	
193	6345	Kuldeep Singh	Driver (H)	
194	11753	Nageena Yadav	Driver (H)	
195	8566	Shibnarayan Pandey	Driver (H)	
196	7464	Anurag Singh	Driver (H)	
197	8720	Gursevak Singh	Driver (H)	
198	11536	Tarseem Singh	Driver (H)	
199	3394	Harivansh Yadav	Driver (H)	
Plumber				
200	11427	Harbans Lal	Plumber	
Helper				
201	5312	Prakashkumar	Helper (Plant)	
202	10876	Durjodhan Mahato	Helper (Mechanical)	
203	11465	Machhar Pareshbhai Vinubhai	Helper (Mechanical)	
204	11466	Machhar Kalubhai	Helper (Mechanical)	

Department Wise Staff List				
Sr. No	Emp.ID	Name	Designation	Contact No.
205	11467	Ramcharan Paswan	Helper (Mechanical)	
206	11468	Machhar Anilkumar	Helper (Mechanical)	
207	11469	Machhar Sharvan	Helper (Mechanical)	
208	11470	Machhar Pintubhai Bhanubhai	Helper (Mechanical)	
209	11230	Santosh Paswan	Helper (Mechanical)	
210	11616	Vardan	Helper (Mechanical)	
211	11278	Dheerajkumar kahar	Helper (Mechanical)	
212	11807	Parmar Kamleshkumar Kalabhai	Helper (Mechanical)	
213	11229	Rakesh Kumar	Helper (Mechanical)	

G. Details of Plant and Machinery Deployed:

Plant and Machinery Monthly Deployment Status					
Sl. No	Equipment	Unit	Planned	Actual	Remarks, If any
1	Back Hoe Loader	Nos	8	12	
2	Excavator	Nos	25	34	
3	Motor Grader	Nos	25	18	
4	Vibratory Roller/Soil Compactor	Nos	25	28	
5	Wet Mix Paver	Nos	0	0	
6	Wet Mix Plant	Nos	0	0	
7	DLC Paver	Nos	0	0	
8	PQC Paver	Nos	0	0	
9	Hot Mix Plant	Nos	0	0	
10	Bitumen Paver	Nos	0	0	
11	Bitumen Sprayer	Nos	0	0	
12	Broomer	Nos	0	0	
13	Tandem Roller	Nos	0	0	
14	Pneumatic Tyre Roller	Nos	0	0	
15	Dumpers/Tippers	Nos	83	130	
16	FE Loaders/Dozer	Nos	1	6	

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

17	Water Tanker	Nos	25	48	
18	Compressor	Nos	0	0	
19	Concrete Batching Plant	Nos	1	5	
20	Transit Mixers	Nos	10	17	
21	Concrete Pump	Nos	2	1	
22	Kerb Machine	Nos	0	0	
23	Crusher - 250 MT	Nos	1	0	
24	Weigh Bridge	Nos	4	2	
25	Tractor	Nos	3	9	
26	Diesel Tanker	Nos	2	3	
27	Tempo	Nos	3	0	
28	Tower Light	Nos	4	3	
29	Hydra Crane	Nos	2	5	
30	Vibratory Rammer	Nos	2	0	
31	Dewatering Pump (Portable)	Nos	5	4	
32	Baby Roller	Nos	2	2	
33	Trailer / Platform Truck	Nos	1	5	
34	Vibrator (Needle Type)	Nos	4	8	
35	Kerb Cutter	Nos	2	0	

H. Details of Applicable Permits:

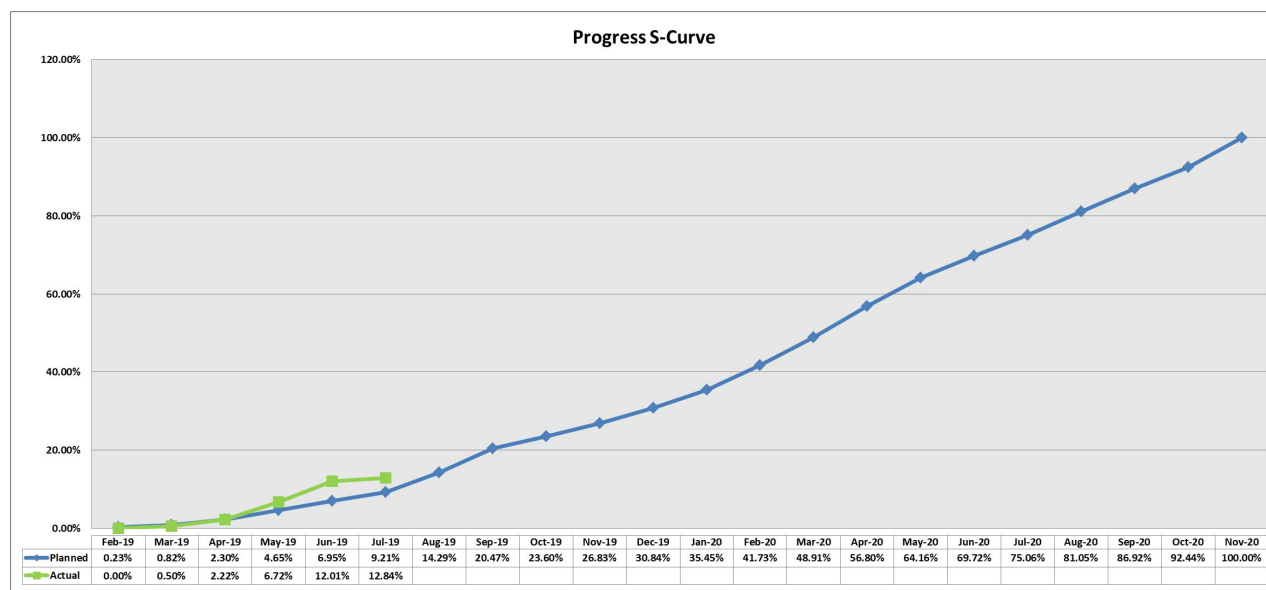
Status of Applicable Permits (As per Schedule F) as on July -19				
Sl. No	Description	Status	Receiving Date	Remarks
1	Permission of the State Government for extraction of boulders from quarry for and in respect of at least 20 (twenty) percent of the total length of the project;	Received	06.12.2018	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

IV. Project Progress

A. Physical Progress:

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

The physical percentage achieved is 12.84% as on 31st July 2019. Refer **Annexure-1A and 1B** for Details.



Given below, in detail is the status of the works executed as on 31st July 2019.

Highway Progress:

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

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

Structure Progress:

Sr. No.	Structure	Unit	Scope	Completed	In Progress	Balance	Remarks
1	Major Bridge	Nos.	1	0	0	1	
2	CUP	Nos.	34	0	28	6	Work Taken Up = 28 No's - Excavation (6), Ground Improvement (0) PCC (2) Raft (14) Wall(6)
3	Minor Bridge	Nos.	4(Open)	0	1	3	Work Taken Up = 1 No's - Excavation (0),PCC (1)
			5 (Pile)	0	1	4	Work Taken Up = 1 No's – Working pile (10)
4	Box Culvert	Nos.	52	0	14	38	Work Taken Up = 14 No's - Excavation (2), Ground Improvement (1), PCC (2), Raft (3),Wall (5),Slab(1)
5	Pipe Culvert	Nos.	42	26	8	8	Work Taken Up = 7 No's - Excavation (2) , Ground Improvement (0), PCC (3), Laying (2)
6	Vehicular Underpass	Nos.	5	0	2	3	Work Taken Up = 2 No's - Excavation (0), Ground Improvement (0), PCC (2), raft (0), wall (0).
7	Light Vehicular Underpass	Nos.	8	0	2	6	Work Taken Up = 2 No's - Excavation (0), Ground Improvement (0), PCC (2), raft (0), wall (0).
8	Flyover	Nos.	1	0	1	0	Work Taken Up = 1 No's - Working Pile (5)
9	ROB	Nos.	1	0	0	1	
10 A	Interchange at 323+074	Nos.	1	0	1	0	Work Taken Up = 1Nos. - Working Pile (70), Pile cap (2)
10B	Interchange at 353+660	Nos.	1	0	1	0	Work Taken Up = 1Nos. - Working Pile (70)
11	Vehicular Overpass	Km	2	0	1	1	Work Taken Up = 1Nos. - Working Pile (21), Pile cap (1)

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

V. Status of Land Acquisition

- Total land for which compensation was paid by NHAI/CALA as on 30th July 2019 is **96.875%** i.e. **31 Km.** out of total 32km.
- Length of various utilities(hindrances) falling in the clear length of 31 km is **5.565 Km**

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

Details of Hindrances	Hindered Length in meter
Total Hindered length due to Electrical Utilities	2310
Total Hindered length due to water pipeline etc.	255
Total Hindered Area due to Disputed Land	1940
Total Hindered length due to Gas lines	820
Total Hindered length due to Religious Structures	40
Total Hindered length due to Trees	200
Grand Total	5,565

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

- Net unencumbered/Unhindered length of road = **31.00 – 5.565 = 25.435 km. i.e. 82.05 %.**
- Action taken by M/s. PIL: We are continuously corresponding with Concessionaire and related Authorities for shifting of utilities and Land acquisition Issues.
- For details refer to **Annexure – 3**

VI. UTILITY SHIFTING

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

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

Summary of Hindered Length		
Type of Hindrance	Affected Length	Remarks
Land Hindrance	1940	
Electric Utility Hindrance	2310	
Gas pipeline Hindrance	820	
water pipeline Hindrance	255	
Religious structure	40	
Tree	200	
Total	5565	

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

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

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

VII. STATUS OF DESIGN & DRAWING

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

VIII. Weather report

Date	Temperature (°C)		Rainfall (mm)	Weather	Remarks
	Maximum	Minimum			
1-Jul-19	33.4	28.4	0.0	Sunny	
2-Jul-19	33.5	28.9	0.0	Sunny	
3-Jul-19	32.9	28.5	5.0	Rainy	
4-Jul-19	32.3	28.4	37.2	Rainy	
5-Jul-19	31.9	28.2	38.0	Rainy	
6-Jul-19	32.1	27.8	53.2	Rainy	
7-Jul-19	31.1	27.7	10.4	Rainy	
8-Jul-19	33.2	27.7	0.0	Cloudy	
9-Jul-19	32.8	28.8	0.0	Sunny	
10-Jul-19	34.4	28.9	0.0	Sunny	
11-Jul-19	35.2	28.9	0.0	Sunny	
12-Jul-19	34.6	29.1	0.0	Sunny	
13-Jul-19	35.0	27.9	0.0	Sunny	
14-Jul-19	35.9	29.3	0.0	Sunny	
15-Jul-19	35.8	29.2	0.0	Sunny	
16-Jul-19	35.0	29.3	0.0	Sunny	
17-Jul-19	36.5	29.3	0.0	Sunny	
18-Jul-19	36.6	29.3	0.0	Sunny	
19-Jul-19	36.7	29.2	0.0	Sunny	
20-Jul-19	37.5	28.3	43.1	Rainy	
21-Jul-19	37.5	26.7	0.0	Cloudy	
22-Jul-19	37.6	26.7	12.4	Rainy	
23-Jul-19	37.5	26.7	0.0	Sunny	
24-Jul-19	37.5	26.6	5.0	Rainy	
25-Jul-19	37.5	26.7	5.0	Rainy	
26-Jul-19	34.8	26.1	11.0	Rainy	

Date	Temperature (°C)		Rainfall (mm)	Weather	Remarks
	Maximum	Minimum			
27-Jul-19	30.8	28.6	17.4	Rainy	
28-Jul-19	30.5	28.5	5.6	Rainy	
29-Jul-19	31.0	27.0	35.6	Rainy	
30-Jul-19	31.1	26.4	28.2	Rainy	
31-Jul-19	28.3	26.3	406.0	Rain	

IX. Status of RFI

<u>MONTH :- July 2019</u>				
S. No.	Total RFI	Approved RFI	RFI Re-submitted after corrections suggested	Remarks
<u>Highway</u>				
1	13	13	0	
<u>Structure</u>				
1	318	271	47	
<u>Laboratory (QA/QC)</u>				
1	28	28	0	
<u>Survey</u>				
1	05	05	0	

X. SUMMARY OF TESTS CONDUCTED FOR THE MONTH OF July- 19

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
1	<u>Soil for OGL</u>										
a	Free swelling Index of soil	IS 2720 Part 40	As required	226	0	226	226	0	0	<50%	
b	Grain size Analysis	IS 2720 Part 4	2 test for 3000m3	226	0	226	226	0	0		
c	Atterberg Limits	IS 2720 Part 5	2 test for 3000m3	226	0	226	226	0	0		
d	Proctor Density Test	IS 2720 Part 8	2 test for 3000m3	226	0	226	226	0	0		
e	CBR Test	IS 2720 Part 16	1 test for 3000m3	30	0	30	30	0	0		
2	<u>B.A. Soil for EMB/SG/Shoulder</u>										
a	Free swelling Index of soil	IS 2720 Part 40	As required	1934	601	2535	2535	0	120	<50%	
b	Grain size Analysis	IS 2720 Part 4	2 test for 3000m3	1934	601	2535	2535	0	120		
c	Atterberg Limits	IS 2720 Part 5	2 test for 3000m3	1934	601	2535	2535	0	120		
d	Proctor Density Test	IS 2720 Part 8	2 test for 3000m3	1934	601	2535	2535	0	120		

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

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
e	CBR Test	IS 2720 Part 16	1 test for 3000m3	357	113	470	461	9	25		
3	<u>GRANULAR SUB BASE (GSB)</u>										
a	Gradation	Table 400-1 of MORTH	1 Test for every 400m3	70	12	82	80	2	0		
b	Atterberg Limits	IS 2720 Part 5	1 Test for every 400m3	70	10	80	80	0	0	LL<25% PI<6	
c	Proctor Density Test	IS 2720 Part 8	As required per source	8	0	8	8	0	0		
d	CBR	Is 2720 Part 16	As required per source	8	0	8	8	0	0		
e.	Aggregate impact value	IS 2386 Part 4	1 Test for every 200m3	10	0	10	10	0	0	<40	
4	Cement									As per IS Code	
a	Consistency	IS 4031-1968	Once per lot	18	9	27	27	0	0		
b	Initial setting time & final setting time	IS 4031-1968	Once for each source	18	9	27	27	0	0		

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

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
c	fineness	IS 4031-1968	Once test for each batch	18	9	27	27	0	0		
d	Compressive Strength	IS 4031-1968	Once test for each batch(Each 3 sets)	37	31	68	68	0	0		
5	Coarse & fine Aggregates										
a	Gradation	IS 2386 part 1	one test per day/ each fraction	98	29	127	127	0	12	As per Mix Design	
b	Aggregates Impact value	IS 2386 part 4	minimum of 1 test per day work	98	29	127	127	0	12		
c	Flakiness/Elongation Index	IS 2386 part 1	minimum of 1 test per day work	98	29	127	127	0	12	<35%	
d	Los Angles abrasion value	IS 2386 part 4	minimum of 1 test per day work	0	0	0	0	0	0		

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

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
e	Specific Gravity & W.A.	IS 2386 part 2	As required	12	3	15	15	0	6	As per Mix Design	
6	DLC										
a	Compressive Strength	Morth clause 903.5.2.1	3 sample per 1000m2	0	0	0	0	0	0		
7	<u>PQC</u>										
a	Compressive & Flexural Strength 7 Days	MORTH close 903.5.2.1	6 Cube & 6 Beam per 150 cum or part or one day work	0	0	0	0	0	0		
b	Compressive & Flexural Strength 28 Days	MORTH close 903.5.2.1	6 Cube & 6 Beam per 150 cum or part or one day work	0	0	0	0	0	0		
8	<u>Concrete Mix Design</u>	-	-	-	-	-	-	-	-	-	-

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

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
	Compressive strength of concrete @ 7 Days	IS 516	As per quantity executed							As Per mix Design	
a	M-20 (Sets)			40	4	44	44	0	4		
b	M-30 (Sets)			40	4	44	44	0	4		
c	M-35 (RCC)			40	4	44	44	0	4		
d	M-35 (Pile)			40	4	44	44	0	4		
e	M-35 (REB)			0	4	4	4	0	4		
f	M-40			40	0	40	40	0	0		
g	M-40PQC			0	0	0	0	0	0		
	Compressive strength of concrete @ 28 Days										
a	M-20 (Sets)			30	6	36	36	0	6	As Per mix Design	
b	M-30 (Sets)			30	6	36	36	0	6		
c	M-35 (RCC)			30	6	36	36	0	6		
d	M-35 (Pile)			30	6	36	36	0	6		

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

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
e	M-35 (REB)			0	2	2	2	0	2		
f	M-40			30	0	30	30	0	0		
g	M-40PQC			0	0	0	0	0	0		
9	Concrete Structures (Site)	IS 516	As per quantity executed								
	Compressive strength of concrete @ 7 Days										
a	M-20 (Sets)			270	22	292	292	0	5		
b	M-30 (Sets)			59	7	66	66	0	2		
c	M-35 (RCC)			41	22	63	63	0	15		
d	M-35 (Pile)			56	86	142	142	0	56		
e	M-35 (REB)			0	24	24	24	0	9		
f	M-40			0	0	0	0	0	0		
g	M-40PQC			0	0	0	0	0	0		
	Compressive strength of concrete @ 28 Days										

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

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
a	M-20 (Sets)			528	110	638	638	0	25		
b	M-30 (Sets)			98	34	132	132	0	10		
c	M-35 (RCC)			48	178	226	48	0	53		
d	M-35 (Pile)			60	216	276	276	0	160		
E	M-35 (REB)			0	37	37	37	0	15		
f	M-40			0	0	0	0	0	0		
g	M-40PQC			0	0	0	0	0	0		
10	Equipment Calibration										
a	Sand Pouring Cylinder(100,150 , 200 mm)			18	2	20	20	0	1		
b	CBR Moulds			55	0	55	7	0	0		
c	RMM Moisture meter			2	4	6	2	0	1		
d	Moisture Container			5	0	5	5	0	0		
f	Calibration of Batching Plant			8	1	9	9	0	0		

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

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
11	Sampling for third party Test										
a	Cement			6	5	11	11	0	3		
b	Steel			6	12	6	6	0	12		
c	Admixture			4	1	5	5	0	1		
12	<u>OGL/EMB/SG/Shoulder Construction</u>										
a	Compaction of OGL	As per MORTH Clause 903.2.2	1 Test/3000m2 or Min. 10 Test	2987	0	2987	2982	5	0		
b	Compaction of Embankment	As per MORTH Clause 903.2.2	Emb.1 test/3000m2 or Min. 10 Test	3267	225	3492	3489	3	0		
c	Compaction of Sub Grade	As per MORTH Clause 903.2.2	Sub grade test/2000m2 or Min. 10 Test	0	0	0	0	0	0		

S. No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E .During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	This Month	Total	Pass	Fail			
d	Compaction of Shoulder	As per MORTH Clause 903.2.2	Shoulder test/2000m2 or Min. 10 Test	0	0	0	0	0	0		
e	Density of compacted Layer	IS 2386 Part 28	1 Test Per 1000 m2	297	24	321	321	0	0	98% of MDD	
f	Compaction Test	Morth Clause 903.5.1.1	1 Test Per 2000 m2	0	0	0	0	0	0		

XI. Lab Equipment Calibration Report

List of Calibration Status							
SI No.	Description	No. Of Equip.	Identification Number	Date of Calibration	Due Date of Calibration	Calibrated By	Remarks
1	Digital Balance 50 Kg	5	PIL/PK2/BAL/01to05	06.03.2019	05.03.2020	EIE Instruments	

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

2	Digital Balance 600 gm	2	PIL/PK2/BAL/06,07	06.03.2019	05.03.2020	EIE Instruments	
3	Oven (Small) 0 to 300 Degree	2	PIL/PK2/OVEN/01,2	07.03.2019	06.03.2020	EIE Instruments	
4	Hot Air Oven (Big) 0 to 300 Degree	1	PIL/PK2/OVEN/03	06.03.2019	05.03.2020	EIE Instruments	
5	I.S. Sieve Big(45 Cm) 125.0 mm	2	PIL/PK2/SIEVE(450)/01, 02	06.03.2019	05.03.2020	EIE Instruments	
6	I.S. Sieve Big(45 Cm) 90.0 mm	2	PIL/PK2/SIEVE(450)/03, 04	06.03.2019	05.03.2020	EIE Instruments	
7	I.S. Sieve Big(45 Cm) 75.0 mm	2	PIL/PK2/SIEVE(450)/05, 06	06.03.2019	05.03.2020	EIE Instruments	
8	I.S. Sieve Big(45 Cm) 63.0 mm	2	PIL/PK2/SIEVE(450)/07, 08	06.03.2019	05.03.2020	EIE Instruments	
9	I.S. Sieve Big(45 Cm) 53.0 mm	2	PIL/PK2/SIEVE(450)/09, 10	06.03.2019	05.03.2020	EIE Instruments	
10	I.S. Sieve Big(45 Cm) 50.0 mm	2	PIL/PK2/SIEVE(450)/11, 12	06.03.2019	05.03.2020	EIE Instruments	
11	I.S. Sieve Big(45 Cm) 45.0 mm	2	PIL/PK2/SIEVE(450)/13, 14	06.03.2019	05.03.2020	EIE Instruments	
12	I.S. Sieve Big(45 Cm) 40.0 mm	2	PIL/PK2/SIEVE(450)/16, 17	06.03.2019	05.03.2020	EIE Instruments	

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

13	I.S. Sieve Big(45 Cm) 37.5 mm	2	PIL/PK2/SIEVE(450)/18, 19	06.03.2019	05.03.2020	EIE Instruments	
14	I.S. Sieve Big(45 Cm) 31.5 mm	2	PIL/PK2/SIEVE(450)/20, 21	06.03.2019	05.03.2020	EIE Instruments	
15	I.S. Sieve Big(45 Cm) 26.5 mm	2	PIL/PK2/SIEVE(450)/22, 23	06.03.2019	05.03.2020	EIE Instruments	
16	I.S. Sieve Big(45 Cm) 25.0 mm	2	PIL/PK2/SIEVE(450)/24, 25	06.03.2019	05.03.2020	EIE Instruments	
17	I.S. Sieve Big(45 Cm) 22.4 mm	2	PIL/PK2/SIEVE(450)/26, 27	06.03.2019	05.03.2020	EIE Instruments	
18	I.S. Sieve Big(45 Cm) 20.0 mm	2	PIL/PK2/SIEVE(450)/28, 29	06.03.2019	05.03.2020	EIE Instruments	
19	I.S. Sieve Big(45 Cm) 19.0 mm	2	PIL/PK2/SIEVE(450)/30, 31	06.03.2019	05.03.2020	EIE Instruments	
20	I.S. Sieve Big(45 Cm) 16.0 mm	2	PIL/PK2/SIEVE(450)/32, 33	06.03.2019	05.03.2020	EIE Instruments	
21	I.S. Sieve Big(45 Cm) 14.0 mm	2	PIL/PK2/SIEVE(450)/34, 35	06.03.2019	05.03.2020	EIE Instruments	
22	I.S. Sieve Big(45 Cm) 13.2 mm	2	PIL/PK2/SIEVE(450)/36, 37	06.03.2019	05.03.2020	EIE Instruments	
23	I.S. Sieve Big(45 Cm) 12.5 mm	2	PIL/PK2/SIEVE(450)/38, 39	06.03.2019	05.03.2020	EIE Instruments	

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

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

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

35	I.S. Sieve Small(20 Cm) 1.18 mm	2	PIL/PK2/SIEVE(200)/09, 10	06.03.2019	05.03.2020	EIE Instruments	
36	I.S. Sieve Small(20 Cm) 1.00 mm	6	PIL/PK2/SIEVE(200)/11 to16	06.03.2019	05.03.2020	EIE Instruments	
37	I.S. Sieve Small(20 Cm) 0.850 mm	2	PIL/PK2/SIEVE(200)/17, 18	06.03.2019	05.03.2020	EIE Instruments	
38	I.S. Sieve Small(20 Cm) 0.600 mm	6	PIL/PK2/SIEVE(200)/19 to24	06.03.2019	05.03.2020	EIE Instruments	
39	I.S. Sieve Small(20 Cm) 0.425 mm	2	PIL/PK2/SIEVE(200)/25, 26	06.03.2019	05.03.2020	EIE Instruments	
40	I.S. Sieve Small(20 Cm) 0.300 mm	2	PIL/PK2/SIEVE(200)/27, 28	06.03.2019	05.03.2020	EIE Instruments	
41	I.S. Sieve Small(20 Cm) 0.180 mm	2	PIL/PK2/SIEVE(200)/29, 30	06.03.2019	05.03.2020	EIE Instruments	
42	I.S. Sieve Small(20 Cm) 0.150 mm	2	PIL/PK2/SIEVE(200)/31, 32	06.03.2019	05.03.2020	EIE Instruments	
43	I.S. Sieve Small(20 Cm) 0.125 mm	2	PIL/PK2/SIEVE(200)/33, 34	06.03.2019	05.03.2020	EIE Instruments	
44	I.S. Sieve Small(20 Cm) 0.090 mm	2	PIL/PK2/SIEVE(200)/35, 36	06.03.2019	05.03.2020	EIE Instruments	
45	I.S. Sieve Small(20 Cm) 0.075 mm	4	PIL/PK2/SIEVE(200)/37 to40	06.03.2019	05.03.2020	EIE Instruments	

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

46	I.S. Sieve Small(20 Cm) 0.045 mm	1	PIL/PK2/SIEVE(200)/41	06.03.2019	05.03.2020	EIE Instruments	
47	Hot Plate (Round)	2	PIL/PK2/HPLATE/01,02	06.03.2019	05.03.2020	EIE Instruments	
48	Bulk Density App. 30 Ltr	1	PIL/PK2/BDS/01	06.03.2019	05.03.2020	EIE Instruments	
49	Bulk Density App. 10 Ltr	1	PIL/PK2/BDS/02	06.03.2019	05.03.2020	EIE Instruments	
50	Bulk Density App. 03 Ltr	1	PIL/PK2/BDS/03	06.03.2019	05.03.2020	EIE Instruments	
51	Sp. Gravity Basket Mesh Type	2	PIL/PK2/SPB/01,02	06.03.2019	05.03.2020	EIE Instruments	
52	Pycno Meter Bottol Cap 900 mm	2	PIL/PK2/PCNMTR/01,02	06.03.2019	05.03.2020	EIE Instruments	
53	Glass Beaker 500 ml	2	PIL/PK2/BKR(500)/01	05.03.2019	04.03.2020	EIE Instruments	
54	Glass Beaker 1000 ml	2	PIL/PK2/BKR(1000)/01	05.03.2019	04.03.2020	EIE Instruments	
55	Measuring Cylinder(Plastic) 25 ml	1	PIL/PK2/CLNDR/01	05.03.2019	04.03.2020	EIE Instruments	
56	Measuring Cylinder(Plastic) 50 ml	1	PIL/PK2/CLNDR/02	05.03.2019	04.03.2020	EIE Instruments	

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

57	Measuring Cylinder(Plastic) 100 ml	10	PIL/PK2/CLNDR/03to05	05.03.2019	04.03.2020	EIE Instruments	
58	Measuring Cylinder(Plastic) 250 ml	1	PIL/PK2/CLNDR/06	05.03.2019	04.03.2020	EIE Instruments	
59	Measuring Cylinder(Plastic) 500 ml	2	PIL/PK2/CLNDR/07,08	05.03.2019	04.03.2020	EIE Instruments	
60	Measuring Cylinder(Plastic) 1000 ml	1	PIL/PK2/CLNDR/09	05.03.2019	04.03.2020	EIE Instruments	
61	Measuring Cylinder(Glass) 25 ml	1	PIL/PK2/CLNDR/10	05.03.2019	04.03.2020	EIE Instruments	
62	Measuring Cylinder(Glass) 50 ml	1	PIL/PK2/CLNDR/11	05.03.2019	04.03.2020	EIE Instruments	
63	Measuring Cylinder(Glass) 100 ml	30	PIL/PK2/CLNDR/12to23	05.03.2019	04.03.2020	EIE Instruments	
64	Measuring Cylinder(Glass) 250 ml	1	PIL/PK2/CLNDR/24	05.03.2019	04.03.2020	EIE Instruments	
65	Measuring Cylinder(Glass) 500 ml	1	PIL/PK2/CLNDR/25	05.03.2019	04.03.2020	EIE Instruments	
66	Measuring Cylinder(Glass) 1000 ml	1	PIL/PK2/CLNDR/26	05.03.2019	04.03.2020	EIE Instruments	
67	G.I. Tray 1000x1000x50 mm	1	PIL/PK2/TRAY/01	06.03.2019	05.03.2020	EIE Instruments	

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

68	G.I. Tray 600x450x50 mm PC/TC	4	PIL/PK2/TRAY/02to05	06.03.2019	05.03.2020	EIE Instruments	
69	G.I. Tray 450x300x40 mm	4	PIL/PK2/TRAY/06to09	06.03.2019	05.03.2020	EIE Instruments	
70	G.I. Tray 300x300x40 mm	4	PIL/PK2/TRAY/10to13	06.03.2019	05.03.2020	EIE Instruments	
71	Digital Thermometer 0 to 300 C	4	PIL/PK2/THERM/01to04	07.03.2019	06.03.2020	EIE Instruments	
72	Thermometer Analog	2	PIL/PK2/THERM/05,06	07.03.2019	06.03.2020	EIE Instruments	
73	Vicat Apparatus	2	PIL/PK2/VCP/01,02	06.03.2019	05.03.2020	EIE Instruments	
74	Proctor Rammer 4.89 Kg	6	PIL/PK2/RMR/01to04	06.03.2019	05.03.2020	EIE Instruments	
75	Proctor Mould Small	6	PIL/PK2/PRM/01,02	06.03.2019	05.03.2020	EIE Instruments	
76	CBR Mould 150 mm Dia	55	PIL/PK2/CBR/01to36	06.03.2019	05.03.2020	EIE Instruments	
77	CBR Spacer Disc	2	PIL/PK2/SPCR/01,02	06.03.2019	05.03.2020	EIE Instruments	
78	CBR Surcharge Weight(Slotted) 2.5 Kg	42	-	06.03.2019	05.03.2020	EIE Instruments	

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

79	CBR Surcharge Weight(Central) 5.0 Kg	42	-	06.03.2019	05.03.2020	EIE Instruments	
80	Tripod Stand for holding dial gauge	6	PIL/PK2/DIALG/01to06	06.03.2019	05.03.2020	EIE Instruments	
81	Cassagrande LL App.	2	PIL/PK2/L.L./01	06.03.2019	05.03.2020	EIE Instruments	
82	Cone Penetrometer LL	1	PIL/PK2/L.L./02	06.03.2019	05.03.2020	EIE Instruments	
83	Sand Pouring Cylinder 200 mm	4	PIL/PK2/SPC/01 to 04	06.03.2019	05.03.2020	EIE Instruments	
84	Sand Pouring Cylinder 150 mm	4	PIL/PK2/SPC/05 to 08	06.03.2019	05.03.2020	EIE Instruments	
85	Sand Pouring Cylinder 100 mm	4	PIL/PK2/SPC/09 to 12	06.03.2019	05.03.2020	EIE Instruments	
86	Slump Cone App.	8	PIL/PK2/SLUMP/01to08	06.03.2019	05.03.2020	EIE Instruments	
87	Proving Ring 30 KN	1	PIL/PK2/PRR/01	06.03.2019	05.03.2020	EIE Instruments	
88	Proving Ring 25 KN	2	PIL/PK2/PRR/02	06.03.2019	05.03.2020	EIE Instruments	
89	Standard Weight Box	1	PIL/PK2/WB/01	06.03.2019	05.03.2020	EIE Instruments	

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

90	Rapid Moisture Meter	6	PIL/PK2/RMM/01to06	28.02.2019	27.02.2020	EIE Instruments	1 Damage
91	Glass Beaker 100 ml Borosil	10	PIL/PK2/BCR/01to10	05.03.2019	04.03.2020	EIE Instruments	
105	Cube Testing Machine	1	PIL/PK2/CTM/01	25.05.2019	24.05.2020	Haridarshan	
106	Flexural Testing Machine	1	PIL/PK2/FTM/01	06.03.2019	05.03.2020	EIE Instruments	
109	Aluminium Container 50x50 mm	400	PIL/PK2/CNTNR/01to400	12.03.2019	11.03.2020	In-House	
110	Aluminium Container 75x75 mm	200	PIL/PK2/CNTNR/401to600	12.03.2019	11.03.2020	In-House	

XII. Progress Photographs



Aarvee associates T.L visit



Safety Induction at Site



RE Wall Block casting in Progress



Safety Sign Board Installation

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



Ch. 323+074 - LHS Pile Cap layout marking



Ch. 323+074 - Interchange Pile Boring



Ch. 323+074- Interchange Pile casting



Ch. 323+074 - Pile cap steel binding work

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



Ch. 323+074 - Interchange Pile Cap Concreting



Ch. 323+074 - Work stopped due to Rain



Ch. 323+074 - Heavy rainfall at Interchange



Ch. 323+074 - Heavy Rainfall at Interchange

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



Ch. 324+236 - Box Culvert Excavation



Ch. 324+410 - CUP Raft Concreting



Ch. 330+402 - VUP Excavation work



Ch. 335+074 - Box Culvert Reinforcement



Ch. 337+050 - Pipe laying for approach road



Ch. 341+824 - VUP Steel Binding

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



Ch. 343+566 - Minor Bridge Pile Boring



Ch. 343+566 - Minor Bridge Cage Lowering



Ch. 343 +566 - MNB Casting of pile 7 segment 3 abutment 2

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



Ch. 344+500 - Soil Dumping

Monthly Progress Report-July 2019



Ch. 345+500 - FDD Testing of
Embankment

Patel Infrastructure Limited

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



Ch. 349+045 - VOP Piling work



Ch. 349+220 - water logging due to heavy rain



Ch. 349+400 - DBM laying for Diversion



Ch. 349+809 - Box culvert LHS Wall 1st Lift Casting



Ch. 353+666 - Interchange Pile Chipping Work

Monthly Progress Report-July 2019



Ch. 353+666 - Heavy rainfall at Interchange

Patel Infrastructure Limited



Ch. 353+700 - House dismantling

XIII. Annexure:-

- A. **Annexure 1 A: Project progress overview in current month**
- B. **Annexure 1 B: Calculation of Physical Progress as per weight-age**
- C. **Annexure 2: Strip Plan showing progress of Expressway**
- D. **Annexure 3: Details of Hindrance**
- E. **Annexure 4: Details of Minutes of Meeting**
- F. **Annexure 5: Details of Letter correspondence**