

# **MONTHLY PROGRESS REPORT**

## **MAY-2019**

**Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km355.00 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase- VI on Hybrid Annuity mode (Phase-IA-Package II)**

### **Concessionaire:**



**IRCON INTERNATIONAL LIMITED**

(A Government of India Undertaking)

### **EPC Contractor:**



**Every Milestone is Our Value**

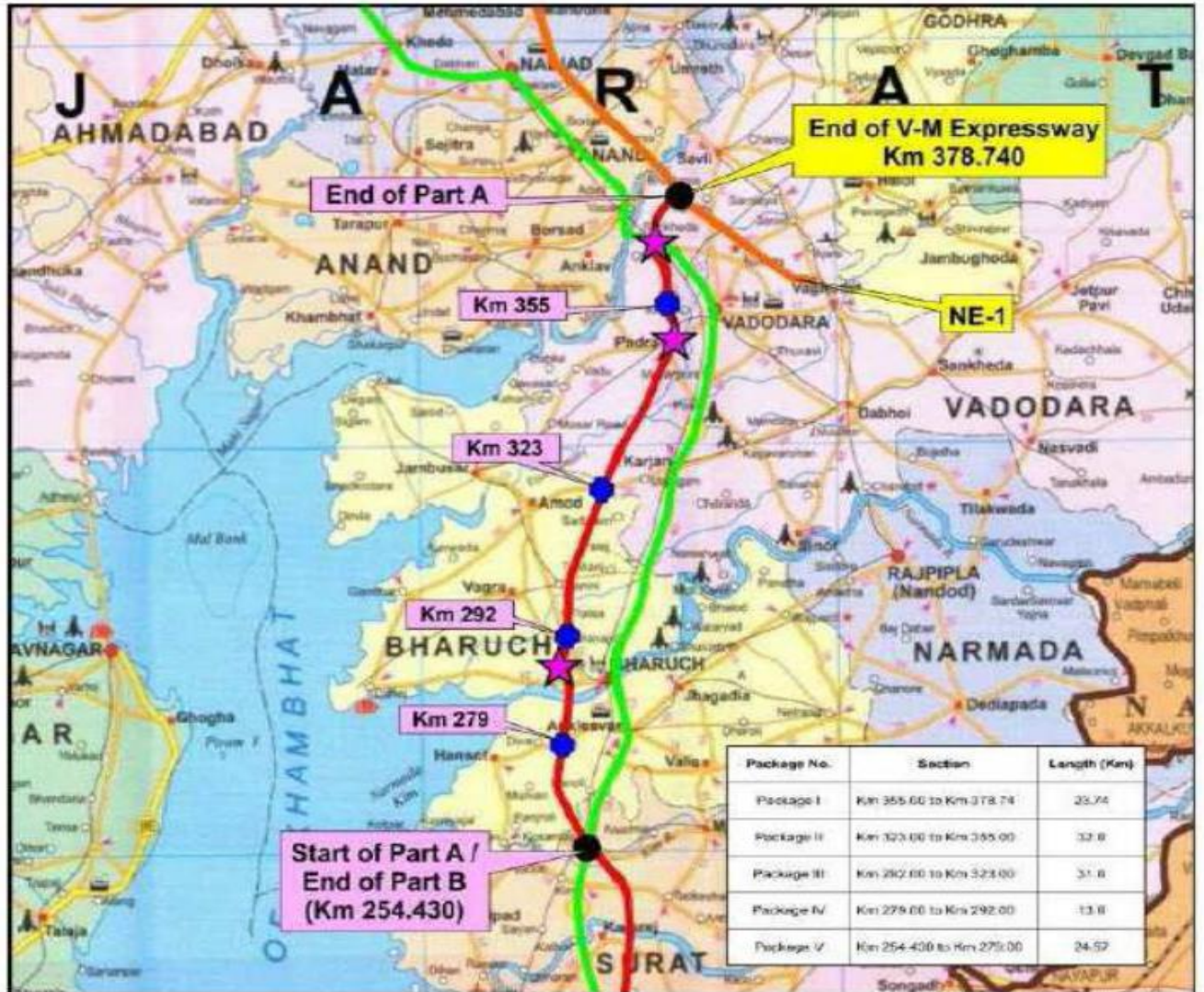
**PATEL INFRASTRUCTURE LIMITED**

*PATEL HOUSE, CHANNI, VADODARA*

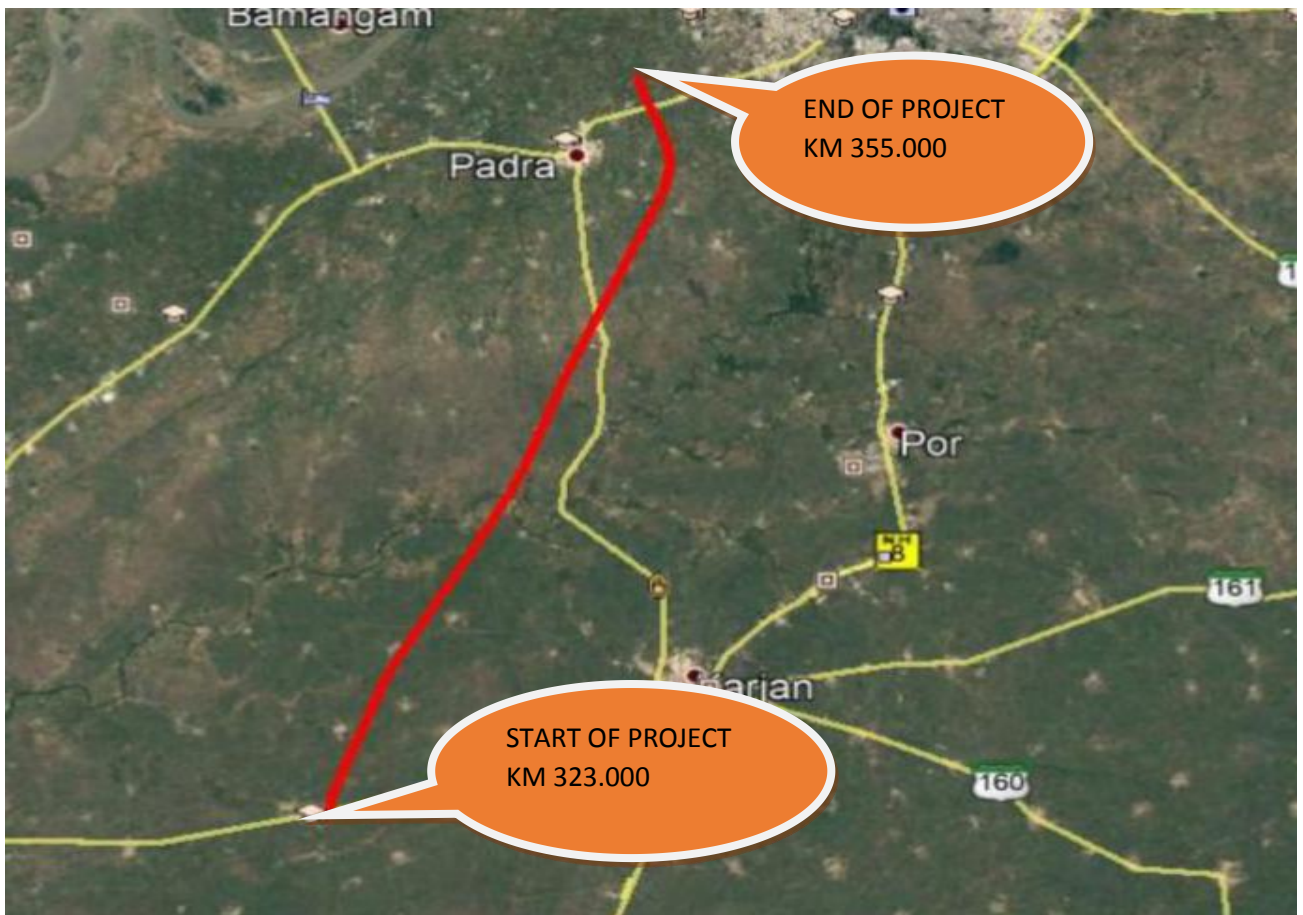
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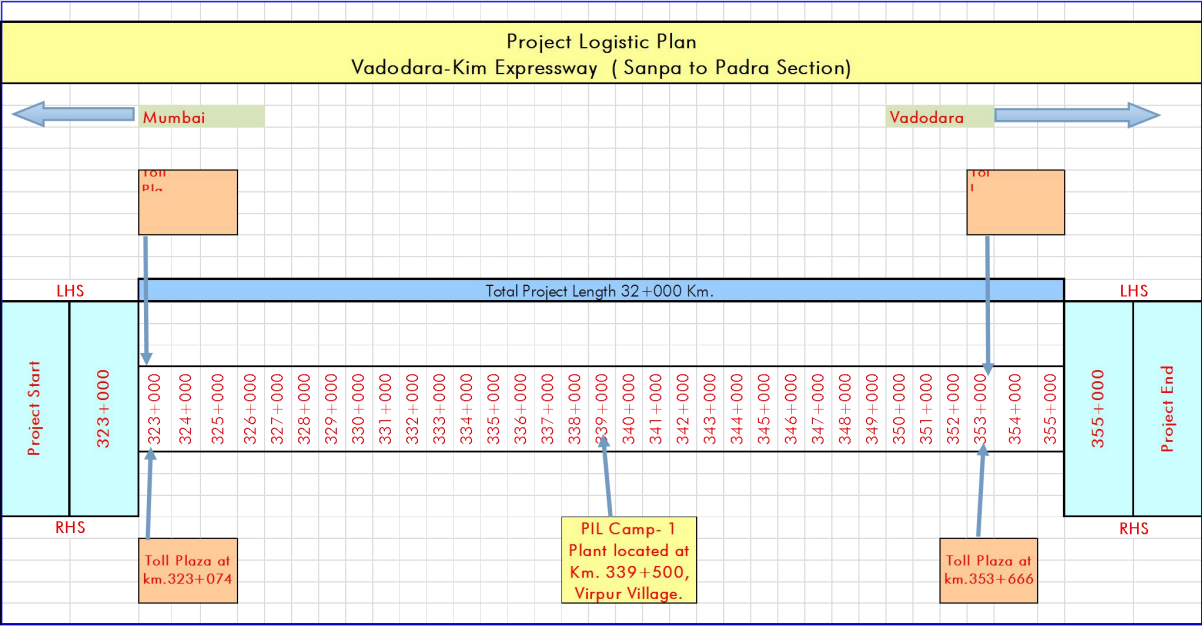
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**KEY PLAN OF EXPRESSWAY**



**KEY PLAN OF PROJECT**







## 1. EXECUTIVE SUMMARY

The Patel Vadodara - Kim Expressway Private Limited. has been awarded Construction of Eight Lane Vadodara Kim Expressway from Km 292.00 to Km 323.00 (Manubar to Sanpa Section of Vadodara Mumbai Expressway) in the State of Gujarat Under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA- Package III).

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 Districts. The Function of expressway is to cater for movement of heavy volumes 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 or commercial concentrations, and the central business district. 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 and passengers and pedestrian traffic are not permitted on these highways.

This report covers the activities for the month of May 2019. The Embankment work of the main carriageway is started and 18.09 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 etc.

### 1.2 Project Synopsis

National Highways Authority of India plan 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 Hybrid Annuity Mode (Length 31.00 Km.) – Package III.

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 signaling systems and signboards. The project will be developed under National Highways Development Project (NHDP) Phase-VI on EPC Mode (Package II)

## 3. 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 Ltd.
Contractor	Patel Infrastructure Ltd.
Independent Engineer	Aarvee Associates Architects Engineers & Consultants Private
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
Date of Financial Close	31.01.2019
Appointed Date	31.01.2019
Schedule Date of Competition	30.11.2020

**(i) TCS Details :**

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

### **Structures:**

S. No.	Feature	Description
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)
<b>Total</b>		<b>157</b>

### **Highways:**

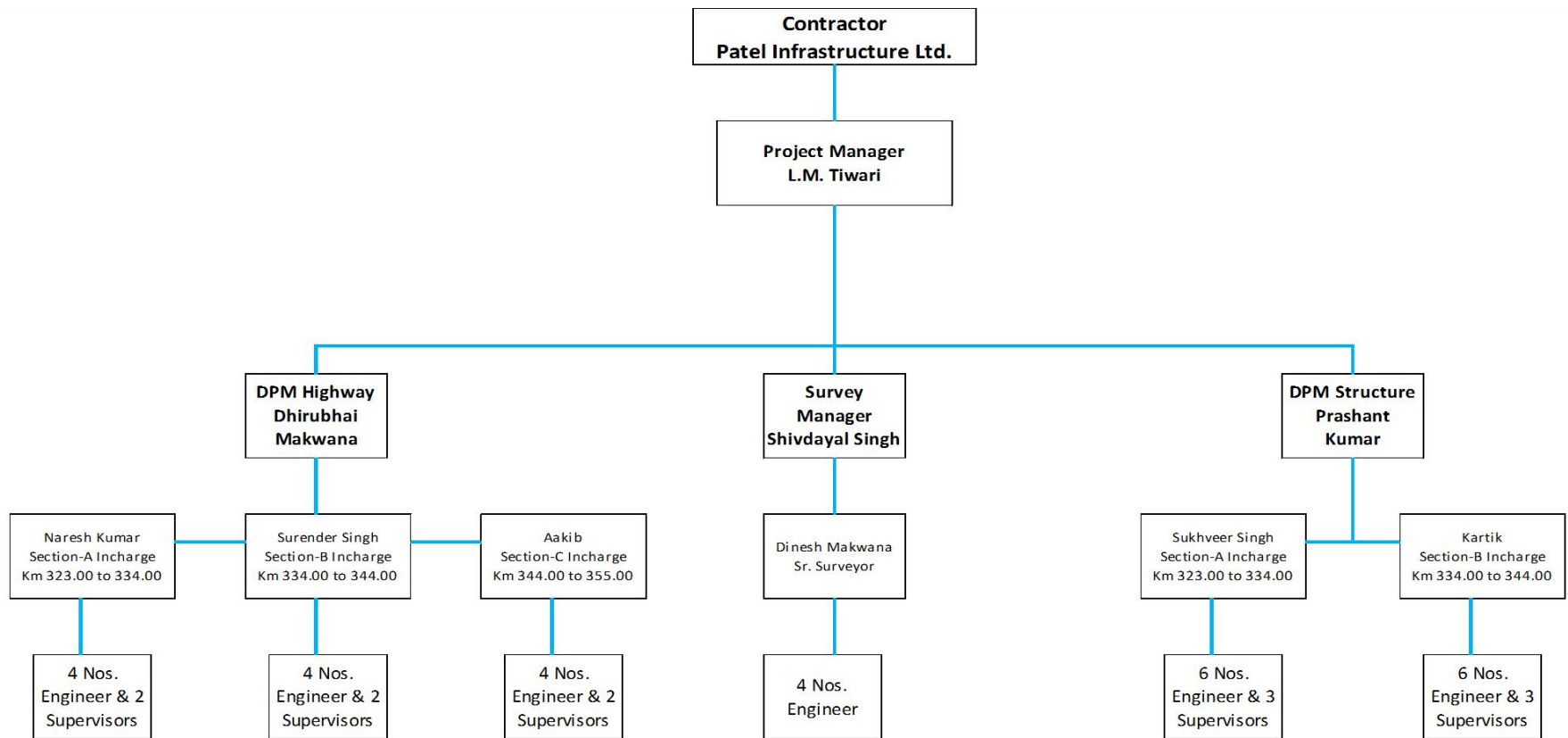
Sr. No.	Feature	Description
1	Embankment	18.09 Km
2	Subgrade	00.00 Km
3	G.S.B	00.00 Km
4	D.L.C	00.00 Km
5	P.Q.C	00.00 Km



**Milestones as per CA :**

<b>Sr. No.</b>	<b>Project Milestone</b>	<b>Period to achieve the Milestone</b>	<b>Required % of Physical &amp; Financial Work Completion to Achieve Milestone</b>	<b>Date of Milestone Achievement as per CA</b>	<b>Financial Progress</b>
1	Milestone - 1	150 <sup>Th</sup> DAY	20%	30/06/2019	292.998
2	Milestone – 2	330 <sup>Th</sup> DAY	35%	27/12/2019	512.746
3	Milestone – 3	450 <sup>Th</sup> DAY	75%	25/04/2020	1098.743
4	Milestone – 4	670 <sup>Th</sup> DAY	100%	01/12/2020	1464.999

## Details of Key Personnel



**Manpower List**

Sr. No	Emp.ID	Name	Designation
<b>Technical</b>			
<b>DGM</b>			
1	1128	Amiya Sahu	Dy. General Manger
<b>PM</b>			
2	10994	Lalit Mohan tewari	Project Manger
<b>Highway</b>			
3	4339	Satyendrakumar Yadav	Dy. Project Manager (Highway)
4	11179	Makwana Dhirubhai Balubhai	Asst. Manager (Highway)
5	8231	Surender Nars	Sr. Engineer (Highway)
6	11060	Mohd. Aqib Mir	Sr. Engineer (Highway)
7	11078	Rahul Kumar	Engineer (Highway)
8	8844	Vijay Singh	Engineer (Highway)
9	11138	Sonu	Engineer(Highway)
10	11276	Vivek Singh	Asst. Engineer(Highway)
11	11204	Baljinder Kumar	Asst. Engineer (Highway)
12	8040	Chander Kumar	Asst. Engineer (Highway)
13	11518	MechharSamudabhaiVaktabhai	Sr. Supervisor (Highway)
14	8342	Prem Narayan Singh	Sr. Supervisor (Highway)
15	6809	Gurmajor Singh	Supervisor (Highway)
<b>Structure</b>			
16	1272	Keshubhai Vad	Works Manager
17	11108	Prashant Kumar	Dy. Project Manager (Structure)
18	11202	KartheekPotla	Sr. Engineer (Structure)
19	11498	PabitraGhanta	Sr. Engineer (Structure)
20	11076	Ashish Kumar	Engineer (Structure)
21	11446	Arshlan Akhter	Engineer (Structure)
22	11272	Zeyaur Rahman	Asst. Engineer (Structure)
23	11367	ShahnawazZaf	Asst. Engineer (Structure)
24	11479	Rishu Kumar	Asst. Engineer (Structure)
25	11482	Sachin Satpal	Asst. Engineer (Structure)
26	10726	Patel Apurva	Jr. Engineer (Structure)
27	11442	Adan Khan	DET(Civil)
28	7333	Shrawankumar Choudhary	Supervisor (Structure)

Sr. No	Emp.ID	Name	Designation
29	7945	Brijesh Rai	Supervisor (Structure)
30	7972	Bhupendra Sur	Sr. Supervisor(Structure)
31	2178	Naresh Makwan	Supervisor (Camp)
<b>Billing &amp; Planning</b>			
32	11486	Vikas Srivastava	Sr. Engineer (QS)
33	11718	Ravi Ranjan Dwivedi	Engineer (Planning & Billing)
34	11520	AnkanShrivastava	Engineer (Planning & Billing)
35	8630	Dishan Patel	Jr. Engineer (Billing & Planning)
<b>Surveyor</b>			
36	3370	Dinesh Makwan	Sr. Surveyor
37	7751	Sunil Hoshia	Engineer (Structure)
38	10991	Deep Chandra Lohumi	Sr. Surveyor
39	3507	Vijay Pamar	Surveyor
40	7498	Deepak Kumar	Surveyor
41	11207	Ranjeet Singh	Surveyor (TS)
42	8784	Devendrakumar	Surveyor
43	11117	Sandeep Kumar	Helper (Survey)
44	11118	Trilok Kumar	Helper (Survey)
45	11119	Kapil	Helper (Survey)
46	11139	Ajay Singh	Helper (Survey)
47	11164	RadhodShaileshbhaiShanabhai	Helper (Survey)
48	11169	Harendra Kumar Singh	Helper (Survey)
49	11170	BhanuPartap Singh	Helper (Survey)
50	11171	Veekash Kumar	Helper (Survey)
51	11312	DiwanImranshaChimansha	Helper (Survey)
52	5158	MonuRamanand	Helper (Survey)
53	11359	Anil .	Helper (Survey)
54	11454	Chauhan Surpalsinh	Helper (Survey)
55	11455	ParmarSanjaybhaiAmarsang	Helper (Survey)
56	11456	Chauhan Punambhai	Helper (Survey)
57	11515	ParmarRajubhai	Helper (Survey)
<b>Lab</b>			
58	11107	Shivam Srivastava	Sr. Engineer
59	1132	Ranjeet Narendra	Sr. Lab Technician
60	11481	Hitesh Tyagi	Asst. Engineer(QC)
61	11588	RajkumarGhagre	Asst. Engineer (Lab)

Sr. No	Emp.ID	Name	Designation
62	11150	Prashant Singh	Jr. Engineer (QC)
63	7331	AshutoshPramod	Jr. Engineer (QA/ QC)
64	8764	Bhasurak Yadav	Jr. Engineer (QA/ QC)
65	11501	Hemendra Kumar Mishra	Jr. Engineer (QA/ QC)
66	11629	SamiranMahanta	Jr. Engineer (QC)
67	11614	Parth Patel	PGET (QC)
68	11611	Surjit Kumar	GET (QC)
69	11395	Achin Dogra	GET (Civil)
70	11618	HimanshuSinghal	GET (QC)
71	11396	SK MasrurAhamed	DET (Civil)
72	11054	Mahesh Kumar	Lab Technician
73	5541	Manmohan sharma	Helper (Lab)
74	11038	Md. SarifulHoque	Helper (Lab)
75	9089	Rajkumar	Helper (Lab)
76	11037	Md.MuktarulHoque	Helper (Lab)
77	11041	Md.Akbar Ali	Helper (Lab)
78	11042	MohidurRahaman	Helper (Lab)
79	11092	Kalu Ram Kharadi	Helper (Lab)
80	11039	Sanjay Kumar Meena	Helper (Lab)
81	11399	Jug Lal	Helper(Lab)
82	11132	Md. Saddam Hossian	Helper (Lab)
83	11287	Sandeep Kumar	Helper (Lab)
<b>Commercial</b>			
<b>Stores</b>			
84	6606	Pravash Kumar	Sr.Executive (Store)
85	11419	Arun Kumar	Executive (Store)
86	11491	Papin Kumar Sahu	Executive (Store)
87	11511	SarbeswarAmulyaBarik	Executive (Store)
88	11259	Prakash Paramanik	Jr. Executive(W/B)
89	11260	BitunSahoo	Jr. Executive (Store)
90	11318	Satyabrata Pa	Executive (Store)
91	11570	Chiragbhai Pa	Jr. Executive(W/B)
92	11327	NabakishoreMallick	Jr. Executive(W/B)
93	11570	Chiragbhai Pa	Jr. Executive(W/B)
94	11400	Laxmikanta	Supervisor(Store)

Sr. No	Emp.ID	Name	Designation
95	11307	Chauhan Yuvra	Helper (Store)
<b>Purchase</b>			
96	11500	Rahul Kumar	Executive (Purchase)
IT			
97	11502	LaluramDhangar	Asst. Executive (IT)
<b>HR &amp; Admin</b>			
98	11352	PinkuChoudhary	Dy. Manager (HR & Admin)
99	11310	Dhiren Kumar Parmar	Dy.Manager (Liaison)
100	11488	Swaran Singh	Asst. Manager (S & V)
101	106503	Durbesh Sharma	Asst. Manager (SPV)
102	5222	Sumit Patel	Jr. Executive(HR & Admin)
103	9066	Vishantkumar	Jr. Executive(HR & Admin)
104	10324	Ram Datt Bhatt	Asst.Security Officer (S & V)
105	9149	Bachche Lal Yadav .	Supervisor (Mess)
106	11116	Piyushbhai	Office Boy
107	11266	Chauhan Devandra	Office Boy
108	11047	Guddu Yadav	Cook
<b>Safety</b>			
109	11355	SaxenaMehulkumar	Sr.Executive (Safety)
110	11548	Manojkumar	Executive (Safety)
111	11471	JadavVikambhai	Helper (Safety)
112	11472	Parmar Sanjay	Helper (Safety)
113	11473	JadavRanjitsinh	Helper (Safety)
<b>Mechanical Dept.(P &amp; M)</b>			
114	10966	Arwinder Singh Mann	Engineer (Mechanical)
115	8188	BirendraSheo	Engineer (Mechanical)
116	11563	Revati Raman	Engineer (Mechanical)
117	8074	Abhishek Gulshan	Asst. Engineer (Mechanical)
118	11440	SK Maksud Ali	Jr. Engineer (Mechanical)
119	8429	Anand Sharma	.Sr. Supervisor (Mechanical)
120	5421	Sanjay Mahida	Supervisor (Mechanical)
121	8351	DebajitGiridhari	Supervisor (Mechanical)
122	1224	ChhaganMacchar	Operator (RMC Plant)
123	2529	BabubhaiMachhar	Operator (Roller)
124	3186	GautamGediya	Operator (RMC Plant)
125	4432	PuranSinghLakhan	Welder

<b>Sr. No</b>	<b>Emp.ID</b>	<b>Name</b>	<b>Designation</b>
126	4833	Anil Jankee	Operator (JCB)
127	7615	MdMd	Fitter (Plant)
128	8213	MdMd	Operator (Batching Plant)
129	8443	RanjitMahto	Operator (Batching Plant)
130	9982	Jasveer Singh	Operators
131	10735	PadhiyarGhan	Driver (L)
132	10818	Pushpraj Pate	Operator (Grader)
133	6770	Santosh Kumar	Driver (H)
134	6960	Rajveer Singh	Driver (H)
135	6985	Harjinder Singh	Driver (H)
136	5991	UpendraPaswan	Driver (Tractor)
137	7027	Simanchal Gouda	Driver (H)
138	7932	Makhan Lal	Driver (L)
139	11023	MahendraKallu	Sr. Electrician
140	11280	DodiyaTinubhai	Driver (L)
141	11302	Vishal Paswan	Welder
142	11309	Harishbhai S Parmar	Operator (Loader)
143	11278	Dheerajkumarkahar	Helper (Mechanical)
144	9646	Rasid Ansari	Sr. Mechanic
145	10876	DurjodhanMahato	Helper (Mechanical)
146	11165	Sunil kumar Mishra	Driver (H)
147	11328	Kewal Singh	Driver (H)
148	11345	Md. Imteyaz	Fitter (Tyre)
149	11349	Naveen Tiwari	Operator (Hydra)
150	11377	Sarbjit Singh	Driver (H)
151	4952	NandlalPaswan	Driver (H)
152	4029	KanubhaiChavda	Driver (H)
153	6580	Balvir Raj	Driver (H)
154	11427	Harbans Lal	Plumber
155	5312	Prakashkumar	Helper (Plant)
156	11351	SK ImtihajulHaque	Welder
157	11230	Santosh Paswan	Helper (Mechanical)
158	11429	Md. Jawed Ansari	Jr.Electrician (AC&
159	11465	MachharPareshbhaiVinubhai	Helper (Mechanical)
160	11466	MachharKalubhai	Helper (Mechanical)
161	11467	RamcharanPaswan	Helper (Mechanical)



Sr. No	Emp.ID	Name	Designation
162	11468	MachharAnilkumar	Helper (Mechanical)
163	11469	MachharSharvan	Helper (Mechanical)
164	11470	MachharPintubhaiBhanubhai	Helper (Mechanical)
165	3571	Rustam Muhamad	Fitter (Tyre)
166	10505	Dharmraj Patel	Operator (Excavator)
167	6016	Dharmendra Paswan	Driver (L)
168	11517	Satish Kumar	Driver (L)
169	11558	Rajesh kumar	Driver (L)
170	11231	Hari Lal Patel	Operator (JCB)
171	8011	Manua Lal	Driver (H)
172	7542	Md. Shamem Khan	Operator (Excavator)
173	11615	GledvinMaisi	Driver (L)
174	11616	Vardan	Helper (Mechanical)
175	11617	Ajrudin Divan	Driver (L)

**(v) Details of Plant and Machinery Deployed:**

Plants & Machinery Status for the Month of June-19				
Sr. No	Name of Machinery	Total	Planned	Actual
1	Excavator	31		
2	Tipper	113		
3	Soil Compactor	23		
4	Dozer	7		
5	Motor Grader	19		
6	Back hoe loader	11		
7	Water Tanker	48		
8	Diesel Dispenser	3		
9	Transit Mixer	17		
10	Concrete Batching Plant	5		
11	Weigh Bridge	2		
12	Tractor	9		
13	Tower Light	3		
14	DG Set	5		
15	Light Vehicle	15		
16	Trailer	6		

## 4. PROJECT PROGRESS

### i) Physical Progress:

#### A. Highway Progress :

Sr. No.	Item	Unit	Scope of work	Completed / Work in progress	Balance work
1	C & G	Km	32	19.23	12.77
2	Earthwork	Km	32	18.09	13.91
3	GSB	Km	32	0	32
4	DLC	Km	32	0	32
5	PQC	Km	32	0	32

#### B. Structure Progress:

Sr. No.	Structure	Unit	Scope	Completed	Work in Progress	Yet to be Work Started
1	Major Bridge	Nos	1	0	0	1
2	CUP	Nos	34	0	23	11
3	Minor Bridge	Nos	9	0	1	8
4	Box Culvert	Nos	52	0	14	38
5	Pipe Culvert	Nos	42	0	31	11
6	Vehicular Underpass	Nos	5	0	0	5
7	Light Vehicular Underpass	Nos	8	0	0	8
8	Flyover	Nos	1	0	0	1
9	ROB	Nos	1	0	0	1
10	Interchange	Nos	2	0	2	0
11	Vehicular Overpass	Km	2	0	1	1

**ii) Financial Progress :**

Contract Price Weightage as per Schedule-G of CA has been submitted vide letter no. IVKEL/3019/VKE/AARVEE/151 dated 27.02.2018. Financial Progress shall be prepared once the Contract Price Weightage gets finalised by IE in due consultation with NHAI.

**iii) S-Curve:**

Contract Price Weightage as per Schedule-G of CA has been submitted vide letter no. IVKEL/3019/VKE/AARVEE/151 dated 27.02.2018. S-Curve shall be prepared once the Contract Price Weightage gets finalised by IE in due consultation with NHAI.

## **5. Status of Land Acquisition**

- Total land for which compensation was paid by NHAI/CALA as on 31.05.2019 :**96.875%** i.e.**31 Km.** out of total 32km.
- Length of various utilities(hindrances) falling in the clear length **31 km:5.835Km**

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

<b>Details of Hindrances</b>	<b>Hindered Length in mtr</b>
Total Hindered length due to Electrical Utilities	2310
Total Hindered length due to water pipeline etc.	290
Total Hindered Area due to Disputed Land	2175
Total Hindered length due to Gas lines	820
Total Hindered length due to Religious Structures	40
Total Hindered length due to Trees	200
<b>Total</b>	<b>5,835</b>

- Net unencumbered/Unhindered length of road = **31.00 – 5.835 = 25.165 km. i.e. 81.18 %.**
- Approval for Shifting of utilities and other hindrances is still pending at utilities owning authorities/NHAI in spite of continuous follow up by Concessionaire.

## 6. UTILITY SHIFTING

1. Electric Pole Shifting (LT Line-11KV)									
Sr. no	Agency	Division	Sub Division	Estimate Prepared & Submitted (Yes/No)	Review Pending at			No. of Lines	Remarks
					IE	PD	RO		
a	MGVCL	Vadodara	Karjan	Yes (30.05.2019)		Yes			As per 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.
b			Padra-I	Yes (30.05.2019)		Yes			
c			Padra-II	Yes (30.05.2019)		Yes			
2. High Tension Line Shifting (66KV to 400KV)									
a	Gujarat Energy Transmission Cooperation Ltd. (GETCO)	Vadodara	Vadodara	Revised Estimate is under Preparation				7	Estimates for 05 nos. of overhead line shifting are pending at Project Division, GETCO, Corporate office. Estimate for 02 nos. underground line (66 KV) is pending at GETCO, Jambusardivison.
b		Bharuch	Bharuch					1	
c	Power Grid Corporation of India Ltd. (PGCIL)	Vadodara	Vadodara	Finalization of Route Alignment is under process.				1	Proposal of cost estimate pending for approval on PGCIL corporate center and joint site visit pending at PGCIL end. PIU, Surat has been requested vide letter no. IVKEL/3019/VKE/NHAI/169 dated 05.03.2019 to take up the matter with PGCIL to resolve the long pending matter on fast track.
d	Torrent Power Ltd.	Ahmedabad	Ahmedabad	Estimate Under Preparation				1	As advised by NHAI vide letter no. NHAI/PIU Surat (Expressway)/P-2/2019/S1-Utility/1248 dated 28.02.2019, joint inspection has been carried out on 05.03.2019 jointly with the representative of IE & Concessionaire with reference to the Estimates submitted by Torrent.

3. Pipe Line Shifting									
A. Water Pipe Line Shifting status									
Sr. no	Agency	Division	Sub Division	No. of Lines	Estimate Prepared (Yes/No)	Review Pending at		Remarks	
						IE	NHAI		
a	GWSSB	The Executive Engineer Public Health Works Division Vadodara	Karjan	3	Estimate has been sent to IE by NHAI vide letter no. NHAI/PIU Surat (Expressway)/P-2/20192414 dtd. 25.04.019.				
B. Gas Pipe Line Shifting status									
Sr. no	Agency	Name of Bridge	Location	Revised GAD No.	Letter of Approval	Approval Status	IE	NHAI	Remarks
a	ONGC	Minor Bridge over Gas Pipe Line (Sk 45°) R	343+540	NHAI/MVE/GPB-343+540/GAD/R2 (Sheet 1 of 2 & Sheet 2 of 2)	Approval Letter No. ONGC/ANK/ST/SM/17/NHAI/Fno.85/2013-14 dtd.15.05.2013 addressed to PD,NHAI	GADs Approved (In Principle)		Yes	NHAI to Deposit Supervisory fee, Security Deposit and Public liability Insurance for getting NOC for start of construction work at site.
b		Minor Bridge over Flow Line of ONGC-NEW	350+200	NHAI/MVE/GPB-350+200/GAD/R0					

Sr. no	Agency	Name of Bridge	Location	Revised GAD No.	Letter of Approval	Approval Status	IE	NHAI	Remarks
c	ONGC	Minor Bridge over Gas Pipe Line (Sk 61°) L	354+640	NHAI/MVE/GPB-354+640/GAD/R2 (Sheet 1 of 2 & Sheet 2 of 2)	Approval Letter No. ONGC/ANK/ST/SM/17/NHAI/Fno.85/2013-14 dtd.15.05.2013 addressed to PD,NHAI	GADs Approved (In Principle)		Yes	NHAI to Deposit Supervisory fee, Security Deposit and Public liability Insurance for getting NOC for start of construction work at site.
`	GSPL	Minor Bridge over Gas Pipe Line (Sk 64°) R	330+622	NHAI/MVE/GPB-330+622/GAD/R0 (Sheet 1 of 2 & Sheet 2 of 2)	Approval Letter No. GSPL/O&M/RoU/MVE/2.4.2/140213/01 dtd. 14.02.13 addressed to PD, NHAI- Forwarded to ICT vide PD Letter No. "NHAI/PIU-Surat(Expressway)/2103/51-1/2013/51-2/625 DTD. 15.02.2013	GADs Approved			
<b>C. Tree Cutting</b>									
A	Forest Department	Padra							Tree enumeration process & To clarify(further how to proceed) new circular No. JAMAN/31/B/910-11/2019-20 dtd. 29.05.2019
B	Forest Department	Karjan & Vadodara					Yes		Fee deposited of Rs.747640/00 at SBI Vadodara, Challan collected on 13 May 2019 & submitted to forest office at Vadodara. Tree cutting permission will get after ATS clearance.
4	Irrigation Department(SSNNL)								
	SSNNL	Vadodara	Division 5 - Karjan						GAD Approved, supervision charge /estimate pending. 17 May 2019 Request to NHAI issue a reminder Letter



			Division-10 Vadodara						GAD Approved, supervision charge deposit pending by NHAI
7	Land Acquisition								
	CALA Office	Bharuch & Vadodara	Amod, Karjan. Padra & Vadodara						<p>There are many discrepancies in award like tree, land and tube well compensation it's creating hindrance, we have coordinated with SECON (DPR Consultant) &amp; Farmers to resolve all pending issue in Award at site</p> <p>Payment pending follow up on daily basis at CALA office (Details attached).</p>

## **7. STATUS OF DESIGN & DRAWING**

SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
1	Box Culvert	323+038	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
2	Interchange	323+074	R0	23.01.2019	R0- PIL/HO/VKP2/IRCON/326/2019 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/892/2018 Dt. 15.12.2018	TYPICAL GAD
6	Box Culvert	323+075	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
7	Box Culvert	323+425	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
8	CUP	323+720	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 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/892/2018 Dt. 15.12.2018	TYPICAL GAD
11	MNB	324+193	R0	14.05.2019	R0- PIL/HO/VKE2/IRCON/340/2019 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/381/2019 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	

SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
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	
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/381/2019 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/115/2019 Dt. 26.02.2019	Geo Tech Report Only
26	Box Culvert	326+982	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
27	Box Culvert	326+982	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 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/381/2019 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/381/2019 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/381/2019 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/381/2019 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	

SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
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/892/2018 Dt. 15.12.2018	TYPICAL GAD
41	MNB	330+630	R0	10.05.2019	R0- PIL/HO/VKP2/IRCON/330/2019 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	
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	

SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
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	
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	

SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
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	
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	

SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
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	
114	LVUP	348+468	R1	14.03.2019	R1- PIL/HO/VKE2/IRCON/169/2019 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/381/2019 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/183/2019	Structure
119	VOP	349+441	R1	19.03.2019	PIL/HO/VKP2/IRCON/183/2019	Test Pile
120	Box Culvert	349+563	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 Dt. 15.12.2018	TYPICAL GAD
121	Box Culvert	349+563	R0	22.11.2018	R0- PIL/HO/VKE2/IRCON/892/2018 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	



SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
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/324/2019 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/381/2019 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/169/2019 Dt. 15.03.2019	
136	CUP	352+317	R2	15.05.2019	R2- PIL/HO/VKE2/IRCON/381/2019 Dt. 28.05.2019	
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

SR No.	Proposed	Pro/Design Chainage	Revision of DRG.	Drg. Revision Date	Submitted	Remarks
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	

## **8. WEATHER REPORT**

Date	Temperature (°C)		Rainfall (mm)	Remarks
	Maximum	Minimum		
1-May-19	43.7	25.9	-	
2-May-19	43.9	26.0	-	
3-May-19	43.5	26.1	-	
4-May-19	43.4	26.1	-	
5-May-19	43.2	25.8	-	
6-May-19	43.5	26.2	-	
7-May-19	43.7	26.1	-	
8-May-19	42.8	26.2	-	
9-May-19	42.6	25.4	-	
10-May-19	42.2	25.6	-	
11-May-19	42.8	25.9	-	
12-May-19	42.7	25.8	-	
13-May-19	42.9	25.6	-	
14-May-19	42.2	26.5	-	
15-May-19	42.7	26.9	-	
16-May-19	42.5	26.7	-	
17-May-19	42.7	26.7	-	
18-May-19	43.2	25.8	-	
19-May-19	43.1	26.4	-	
20-May-19	42.9	27.0	-	
21-May-19	42.5	28.1	-	
22-May-19	42.4	28.3	-	
23-May-19	42.0	26.9	-	
24-May-19	43.6	26.5	-	
25-May-19	43.2	26.7	-	
26-May-19	43.7	26.9	-	
27-May-19	42.9	25.4	-	

Date	Temperature (°C)		Rainfall (mm)	Remarks
	Maximum	Minimum		
28-May-19	43.4	25.3	-	
29-May-19	43.8	25.7	-	
30-May-19	43.9	26.3	-	
31-May-19	42.4	26.0		

### **9. STATEMENT OF RFIs**

<b><u>MONTH :- May 2019</u></b>				
S.No.	Total RFI	Approved RFI	RFI Re-submitted after corrections suggested	Remarks
<b><u>Highway</u></b>				
1	1850	1360	490	
<b><u>Structure</u></b>				
1	658	359	299	
<b><u>Laboratory (QA/QC)</u></b>				
1	201	201	0	
<b><u>Survey</u></b>				
1	25	17	8	

**List of Lab Equipment as on 31<sup>st</sup> May 2019**

Sr. NO.	ITEM NAME	Available Quantity	Lab Equipment No.	REMARK
1	Digital Balance 50 Kg	5	VKE/PKII/BALO1,02,03,04,05	
2	Digital Balance 150 Kg	1	VKE/PKII/BALO6	
3	Digital Balance 30 Kg	7	VKE/PKII/BALO7,08,09,10,11,12,13	
4	Digital Balance 600 gm	2	VKE/PKII/BAL14,15	
5	Digital Balance 10 Kg	1	VKE/PKII/BAL16	
6	Rain Gauge	1	VKE/PKII/RAIN/01	
7	Oven (Small) 0 to 300 Degree	2	VKE/PKII/OVEN/01,02	
8	Hot Air Oven (Big) 0 to 300 Degree	1	VKE/PKII/OVEN/03	
9	I.S. Sieve Big(45 Cm) 125.0 mm	2	VKE/PKII/SIEVE(450)/01,02	
10	I.S. Sieve Big(45 Cm) 90.0 mm	2	VKE/PKII/SIEVE(450)/03,04	
11	I.S. Sieve Big(45 Cm) 75.0 mm	2	VKE/PKII/SIEVE(450)/05,06	
12	I.S. Sieve Big(45 Cm) 63.0 mm	2	VKE/PKII/SIEVE(450)/07,08	
13	I.S. Sieve Big(45 Cm) 53.0 mm	2	VKE/PKII/SIEVE(450)/09,10	
14	I.S. Sieve Big(45 Cm) 50.0 mm	2	VKE/PKII/SIEVE(450)/11,12	
15	I.S. Sieve Big(45 Cm) 45.0 mm	2	VKE/PKII/SIEVE(450)/13,14	
16	I.S. Sieve Big(45 Cm) 40.0 mm	2	VKE/PKII/SIEVE(450)/15,16	
17	I.S. Sieve Big(45 Cm) 37.5 mm	2	VKE/PKII/SIEVE(450)/17,18	
18	I.S. Sieve Big(45 Cm) 31.5 mm	2	VKE/PKII/SIEVE(450)/19,20	
19	I.S. Sieve Big(45 Cm)	2	VKE/PKII/SIEVE(450)/21,22	

Sr. NO.	ITEM NAME	Available Quantity	Lab Equipment No.	REMARK
	26.5 mm			
20	I.S. Sieve Big(45 Cm) 25.0 mm	2	VKE/PKII/SIEVE(450)/23,24	
21	I.S. Sieve Big(45 Cm) 22.4 mm	2	VKE/PKII/SIEVE(450)/25,26	
22	I.S. Sieve Big(45 Cm) 20.0 mm	4	VKE/PKII/SIEVE(450)/27,28,29, 30	
23	I.S. Sieve Big(45 Cm) 19.0 mm	2	VKE/PKII/SIEVE(450)/31,32	
24	I.S. Sieve Big(45 Cm) 16.0 mm	2	VKE/PKII/SIEVE(450)/33,34	
25	I.S. Sieve Big(45 Cm) 14.0 mm	2	VKE/PKII/SIEVE(450)/35,36	
26	I.S. Sieve Big(45 Cm) 13.2 mm	2	VKE/PKII/SIEVE(450)/37,38	
27	I.S. Sieve Big(45 Cm) 12.5 mm	4	VKE/PKII/SIEVE(450)/39,40,41, 42	
28	I.S. Sieve Big(45 Cm) 11.2 mm	2	VKE/PKII/SIEVE(450)/43,44	
29	I.S. Sieve Big(45 Cm) 10.0 mm	4	VKE/PKII/SIEVE(450)/45,46,47, 48	
30	I.S. Sieve Big(45 Cm) 9.5 mm	2	VKE/PKII/SIEVE(450)/49,50	
31	I.S. Sieve Big(45 Cm) 6.3 mm	2	VKE/PKII/SIEVE(450)/51,52	
32	I.S. Sieve Big(45 Cm) 5.6 mm	2	VKE/PKII/SIEVE(450)/53,54	
33	I.S. Sieve Big(45 Cm) 4.75 mm	2	VKE/PKII/SIEVE(450)/55,56	
34	I.S. Sieve Big(45 Cm) 2.36 mm	4	VKE/PKII/SIEVE(450)/57,58	
35	I.S. PAN Big(45 Cm)	2	VKE/PKII/PAN(450)/01,02	
36	I.S. Sieve Small(20 Cm) 4.75 mm	2	VKE/PKII/SIEVE(200)/01,02	
37	I.S. Sieve Small(20 Cm) 2.36 mm	2	VKE/PKII/SIEVE(200)/03,04	

Sr. NO.	ITEM NAME	Available Quantity	Lab Equipment No.	REMARK
38	I.S. Sieve Small(20 Cm) 2.80 mm	2	VKE/PKII/SIEVE(200)/05,06	
39	I.S. Sieve Small(20 Cm) 2.00 mm	2	VKE/PKII/SIEVE(200)/07,08	
40	I.S. Sieve Small(20 Cm) 1.18 mm	2	VKE/PKII/SIEVE(200)/09,10	
41	I.S. Sieve Small(20 Cm) 1.00 mm	8	VKE/PKII/SIEVE(200)/11 to 18	
42	I.S. Sieve Small(20 Cm) 0.850 mm	2	VKE/PKII/SIEVE(200)/19,20	
43	I.S. Sieve Small(20 Cm) 0.600 mm	7	VKE/PKII/SIEVE(200)/21 to 27	
44	I.S. Sieve Small(20 Cm) 0.425 mm	2	VKE/PKII/SIEVE(200)/28,29	
45	I.S. Sieve Small(20 Cm) 0.300 mm	2	VKE/PKII/SIEVE(200)/30,31	
46	I.S. Sieve Small(20 Cm) 0.180 mm	2	VKE/PKII/SIEVE(200)/32,33	
47	I.S. Sieve Small(20 Cm) 0.150 mm	2	VKE/PKII/SIEVE(200)/34,35	
48	I.S. Sieve Small(20 Cm) 0.125 mm	2	VKE/PKII/SIEVE(200)/36,37	
49	I.S. Sieve Small(20 Cm) 0.090 mm	2	VKE/PKII/SIEVE(200)/38,39	
50	I.S. Sieve Small(20 Cm) 0.075 mm	2	VKE/PKII/SIEVE(200)/40,41	
51	I.S. Sieve Small(20 Cm) 0.045 mm	1	VKE/PKII/SIEVE(200)/42	
52	I.S. PAN Small(20 CM)	2	VKE/PKII/PAN(200)/01,02	
53	Hot Plate (Round)	2	VKE/PKII/HOTPLATE/01,02	
54	Bulk Density App. 30 Ltr	1	VKE/PKII/BULKDENSITY/01	
55	Bulk Density App. 10 Ltr	1	VKE/PKII/BULKDENSITY/02	
56	Bulk Density App. 03	1	VKE/PKII/BULKDENSITY/03	



Sr. NO.	ITEM NAME	Available Quantity	Lab Equipment No.	REMARK
	Ltr			
57	Sp. Gravity Basket Mesh Type	1	VKE/PKII/SPB/01	
58	Pycno Meter Bottol Cap 900 mm	10	VKE/PKII/PYC/01 TO 10	
59	Glass Beaker 100 ml Borosil	20	VKE/PKII/BEAKER/01 TO 20	
60	Glass Beaker 500 ml	4	VKE/PKII/BEAKER/21 TO 24	
61	Glass Beaker 1000 ml	4	VKE/PKII/BEAKER/25 TO 28	
62	Measuring Cylinder(Plastic) 25 ml	4	VKE/PKII/PCYLINDER/01 TO 04	
63	Measuring Cylinder(Plastic) 50 ml	4	VKE/PKII/PCYLINDER/05 TO 08	
64	Measuring Cylinder(Plastic) 100 ml	4	VKE/PKII/PCYLINDER/09 TO 12	
65	Measuring Cylinder(Plastic) 250 ml	4	VKE/PKII/PCYLINDER/13 TO 16	
66	Measuring Cylinder(Plastic) 500 ml	4	VKE/PKII/PCYLINDER/17 TO 20	
67	Measuring Cylinder(Plastic) 1000 ml	4	VKE/PKII/PCYLINDER/21 TO 24	
68	Measuring Cylinder(Glass) 25 ml	4	VKE/PKII/GCYLINDER/01 TO 04	
69	Measuring Cylinder(Glass) 50 ml	4	VKE/PKII/GCYLINDER/05 TO 08	
70	Measuring Cylinder(Glass) 100 ml	30	VKE/PKII/PCYLINDER/09 TO 39	
71	Measuring	4	VKE/PKII/PCYLINDER/40 TO 43	

Sr. NO.	ITEM NAME	Available Quantity	Lab Equipment No.	REMARK
	Cylinder(Glass) 250 ml			
72	Measuring Cylinder(Glass) 500 ml	4	VKE/PKII/PCYLINDER/44 TO 47	
73	Measuring Cylinder(Glass) 1000 ml	4	VKE/PKII/PCYLINDER/48 TO 51	
74	Riffle Sample Divider	1	VKE/PKII/RDIVIDER/01	
75	G.I. Tray 1500x1200x50 mm	1	VKE/PKII/TRAY/01	
76	G.I. Tray 600x450x50 mm PC/TC	4	VKE/PKII/TRAY/02 TO 05	
77	G.I. Tray 450x300x40 mm	4	VKE/PKII/TRAY/06 TO 09	
78	G.I. Tray 300x300x40 mm	4	VKE/PKII/TRAY/10 TO 13	
79	G.I. Tray CIRCULAR 250 MM	10	VKE/PKII/TRAY/14 TO 23	
80	Digital Thermometer 0 to 300 C	4	VKE/PKII/DTHERM/01 TO 04	
81	Thermometer Mercury (0 to 300 C)	2	VKE/PKII/GTHERM/01 TO 02	
82	Scoop Big	6	VKE/PKII/SCOOP/01 TO 06	
83	Scoop Small	6	VKE/PKII/SCOOP/07 TO 12	
84	Steel Spoon	5	VKE/PKII/SPOON/01 TO 05	
85	Standard Sand Zone I	2	VKE/PKII/STDDAND/01,02	
86	Standard Sand Zone II	2	VKE/PKII/STDDAND/03,04	
87	Standard Sand Zone III	2	VKE/PKII/STDDAND/05,06	
88	Vicat Apparatus	2	VKE/PKII/VICAT/01,02	
89	Cement Testing	4	VKE/PKII/THROWEL/01 TO 04	

Sr. NO.	ITEM NAME	Available Quantity	Lab Equipment No.	REMARK
	Throwel 8"			
90	Proctor Rammer 4.89 Kg	8	VKE/PKII/RAMMER/01 TO 08	
91	Proctor Mould Small(100 mm Dia)	6	VKE/PKII/RAMMER/01 TO 08	
92	Proctor Mould Big(150 mm dia)	2	VKE/PKII/RAMMER/09,10	
93	CBR Testing machine	2	VKE/PKII/CBR/01,02	
94	CBR Mould 150 mm Dia	51	VKE/PKII/CBRMOULD/01 TO 51	
95	CBR Spacer Disc	3	VKE/PKII/SPACER/01 TO 03	
96	CBR Surcharge Weight(Slotted) 2.5 Kg	51	VKE/PKII/SURCHARGE/01 TO 51	
97	CBR Surcharge Weight(Central) 5.0 Kg	51	VKE/PKII/SURCHARGE/52 TO 101	
98	Tripod Stand for holding dial gauge	8	VKE/PKII/TRIPOD/01 TO 08	
99	Cassagrande LL App.	2	VKE/PKII/CASSAGRANDE/01,02	
100	Penetrometer (Bitumen)	1	VKE/PKII/CONEPENETRO/01	
101	Cone Penetrometer Soil	1	VKE/PKII/CONEPENETRO/02	
102	Sand Pouring Cylinder 200 mm	4	VKE/PKII/SPC(200)/01T004	
103	Sand Pouring Cylinder 150 mm	4	VKE/PKII/SPC(150)/01T004	
104	Sand Pouring Cylinder 100 mm	4	VKE/PKII/SPC(100)/01T004	
105	Gas Stove	2	VKE/PKII/STOVE/01T002	
106	Slump Cone App.	8	VKE/PKII/SLUMP/01T008	
107	Proving Ring 50 KN	1	VKE/PKII/PRR/01	
108	Proving Ring 30 KN	1	VKE/PKII/PRR/02	
109	Proving Ring 25 KN	2	VKE/PKII/PRR/03	

Sr. NO.	ITEM NAME	Available Quantity	Lab Equipment No.	REMARK
110	Rubber hammer (Mallet)	7	VKE/PKII/HAMMER/01 TO 07	
111	Standard Weight Box	2	VKE/PKII/WEIGHT/01 TO 02	
112	Flexural Testing Machine	1	VKE/PKII/FTM/01	
113	Vibrating Hammer DLC	1	VKE/PKII/DLCHMR/01	
114	Dropper Bottle 1Ltr.	1	VKE/PKII/DROPPER/01	
115	Aluminium Container 50x50 mm	400	VKE/PKII/CONTAINER/01 TO 400	
116	Aluminium Container 75x75 mm	200	VKE/PKII/CONTAINER/401 TO 600	
117	Rapid Moisture Meter	6	VKE/PKII/RMM/01 TO 06	
118	Thermo Hydrometer(Digital Clock)	1	VKE/PKII/HYDRO/01	
119	Hydrometer (0.15 to 3.0 gm/cc)	2	VKE/PKII/HYDRO/02,03	
120	Vernier Caliper(Digital)	1	VKE/PKII/VERNIER/01	
121	Vernier Caliper (Manual)	1	VKE/PKII/VERNIER/02	
122	AIV Machine	1	VKE/PKII/AIV/01	
123	Compressive Testing Machine	2	VKE/PKII/CTM/01,02	
124	Cube Mould(150x150x150 )	212	VKE/PKII/CUBE/01 TO 212	
125	Mortar Cube Mould(70.6x70.6x70.6)	30	VKE/PKII/MORTAR/01 TO 30	
126	Cement Mortar Vibrating Machine	1	VKE/PKII/MORTARVIB/01	
129	Direct Shear Testing machine	1	VKE/PKII/DSTM/01	

<i>Sr. NO.</i>	<i>ITEM NAME</i>	<i>Available Quantity</i>	<i>Lab Equipment No.</i>	<i>REMARK</i>
133	Stop Watch	4	VKE/PKII/STOP/01 TO 04	
134	Spirit Level	2	VKE/PKII/SPIRIT/01 TO 02	
135	Flakiness & Elongation Gauge	2	VKE/PKII/FIEI/01 TO 02	

**10. SUMMARY OF TESTS CONDUCTED FOR THE MONTH OF MAY-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	During This Month	Total	Pass	Fail			
<b>1</b>	<b><u>Soil for OGL</u></b>										
a	Free swelling Index of soil	IS 2720 Part 40	As required	130	32	162	162	0	10	<50%	
b	Grain size Analysis	IS 2720 Part 4	2 test for 3000m <sup>3</sup>	130	32	162	162	0	10		
c	Atterberg Limits	IS 2720 Part 5	2 test for 3000m <sup>3</sup>	130	32	162	162	0	10		
d	Proctor Density Test	IS 2720 Part 8	2 test for 3000m <sup>3</sup>	130	32	162	162	0	10		
e	CBR Test	IS 2720 Part 16	1 test for 3000m <sup>3</sup>	0	16	16	16	0	5		
<b>2</b>	<b><u>B.A. Soil for EMB/SG/Shoulder</u></b>										
a	Free swelling Index of soil	IS 2720 Part 40	As required	686	453	1139	1139	0	74	<50%	
b	Grain size Analysis	IS 2720 Part 4	2 test for 3000m <sup>3</sup>	686	453	1139	1139	0	74		
c	Atterberg Limits	IS 2720 Part 5	2 test for 3000m <sup>3</sup>	686	453	1139	1139	0	74		
d	Proctor Density Test	IS 2720 Part 8	2 test for 3000m <sup>3</sup>	686	453	1139	1139	0	74		
e	CBR Test	IS 2720 Part 16	1 test for 3000m <sup>3</sup>	2	205	207	207	0	30		
<b>3</b>	<b><u>GRANULAR SUB BASE (GSB)</u></b>										

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	During This Month	Total	Pass	Fail			
a	Gradation	Table 400-1 of MORTH	1 Test for every 400m <sup>3</sup>	12	39	51	50	1	12		
b	Atterberg Limits	IS 2720 Part 5	1 Test for every 400m <sup>3</sup>	12	38	50	50	0	12	LL<25% PI<6	
c	Proctor Density Test	IS 2720 Part 8	As required per source	3	5	8	8	0	5		
d	CBR	Is 2720 Part 16	As required per source	3	5	8	8	0	5		
e.	Aggregate impact value	IS 2386 Part 4	1 Test for every 200m <sup>3</sup>	3	5	8	8	0	5	<40	
<b>4</b>	<b>Cement</b>										
a	Consistency	IS 4031-1968	Once per lot	5	5	10	10	0	3	As per IS Code	
b	Initial setting time & final setting time	IS 4031-1968	Once for each source	5	5	10	10	0	3		
c	fineness	IS 4031-1968	Once test for each batch	5	5	10	10	0	3		
d	Compressive Strength	IS 4031-1968	Once test for each	5	8	13	13	0	5		





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	During This Month	Total	Pass	Fail			
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		
<b>8</b>	<b><u>Concrete Mix Design</u></b>	-	-	-	-	-	-	-	-	-	-
	<b>Compressive strength of concrete @ 7 Days</b>										
a	M-20 (Sets)	IS 516	As per quantity executed	17	60	77	77	0	60	As Per mix Design	
b	M-30 (Sets)			17	60	77	77	0	60		
c	M-35 (RCC)			17	60	77	77	0	60		
d	M-35 (Pile)			17	60	77	77	0	60		
e	M-40			17	60	77	77	0	60		
f	M-40PQC			0	0	0	0	0	0		

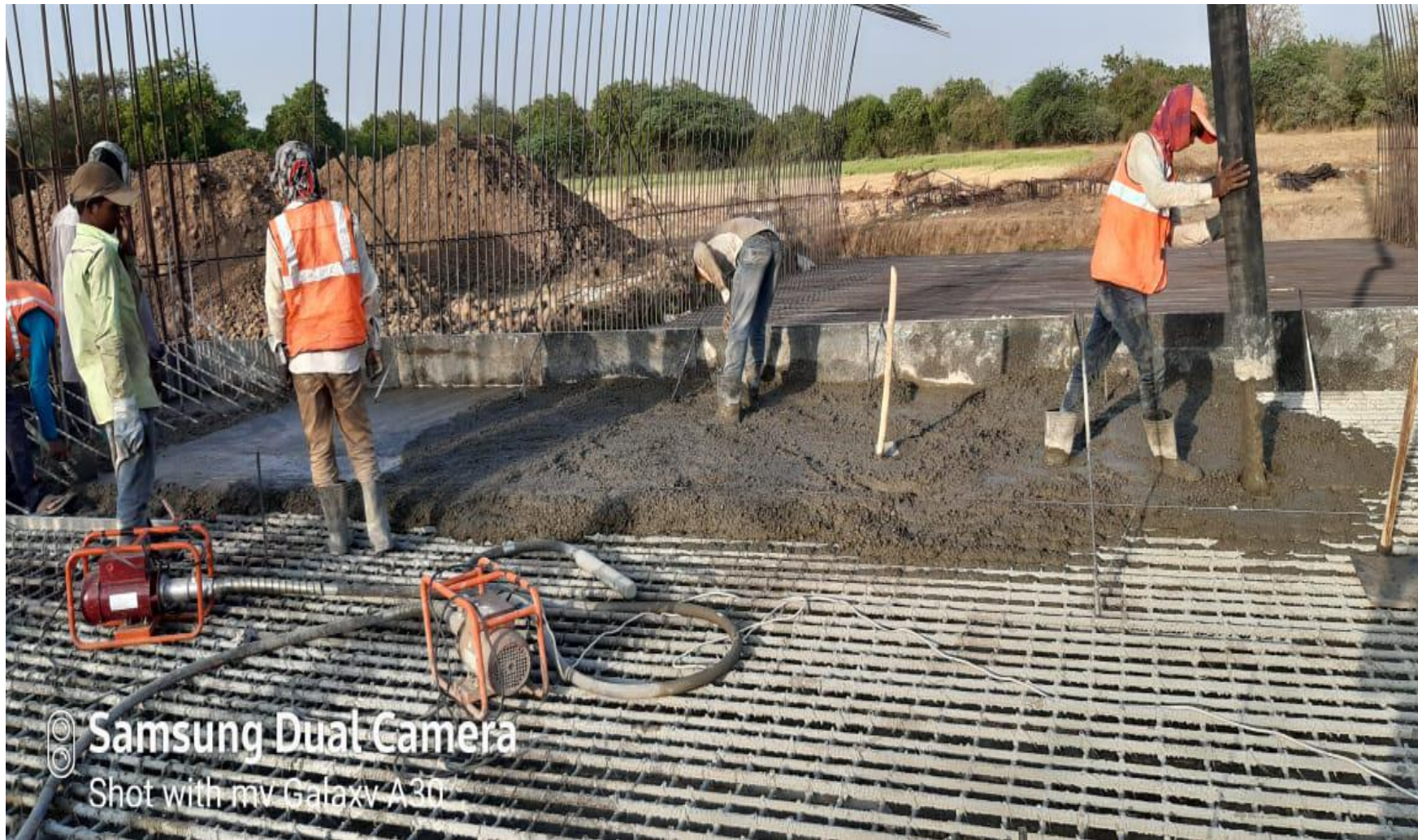
S.No	Type of Test	Test Procedure	Frequency	Total No. of Test conducted					Test witnessed By I.E.During This Month	Acceptance Criteria	Remarks
				Up to Prev. month	During This Month	Total	Pass	Fail			
	<b>Compressive strength of concrete @ 28 Days</b>										
a	M-20 (Sets)			13	30	43	43	0	30	As Per mix Design	
b	M-30 (Sets)			13	30	43	43	0	30		
c	M-35 (RCC)			13	30	43	43	0	30		
d	M-35 (Pile)			13	30	43	43	0	30		
e	M-40			13	30	43	43	0	30		
f	M-40PQC			0	0	0	0	0	0		
<b>9</b>	<b>Concrete Structures (Site)</b>										
	<b>Compressive strength of concrete @ 7 Days</b>										
a	M-20 (Sets)	IS 516	As per quantity executed	56	165	221	221	0	42		
b	M-30 (Sets)			9	27	36	36	0	9		
c	M-35 (RCC)			0	6	6	6	0	4		
d	M-35 (Pile)			0	18	18	18	0	8		

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	During This Month	Total	Pass	Fail				
e	M-40	Compressive strength of concrete @ 28 Days		0	0	0	0	0	0			
f	M-40PQC			0	0	0	0	0	0			
a	M-20 (Sets)			42	388	430	430	0	56			
b	M-30 (Sets)			6	63	69	69	0	15			
c	M-35 (RCC)			0	0	0	0	0	0			
d	M-35 (Pile)			0	18	18	18	0	9			
e	M-40			0	0	0	0	0	0			
f	M-40PQC			0	0	0	0	0	0			
<b>10 Equipment Calibration</b>												
a	Sand Pouring Cylinder(100,150 , 200 mm)					12	4	16	16	0	4	
b	CBR Moulds	0	48			48	0	0	48			
c	Moisture Container	2	3			5	5	0	5			





## Raft Concreting of CUP at 350+831





## Excavation of CUP at 352+317



 **Samsung Dual Camera**  
Shot with my Galaxy A30

## Load Test arrangements for VOP at 349+441





**Pile reinforcement Cage lowering for VOP at 349+441**



**Haunch Concreting for CUP at 340+855**



**Cradle Concreting of Pipe Culvert at 329+509**





**Team Leader Site Visit**

