MONTHLY PROGRESS REPORT

FEBRUARY - 2021

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

Concessionaire: IVKEL

IRCON INTERNATIONAL LIMITED

(A Government of India Undertaking)

EPC Contractor:

PATEL INFRASTRUCTURE LIMITED

PATEL HOUSE, CHANNI, VADODARA

Every Milestone is Our Value

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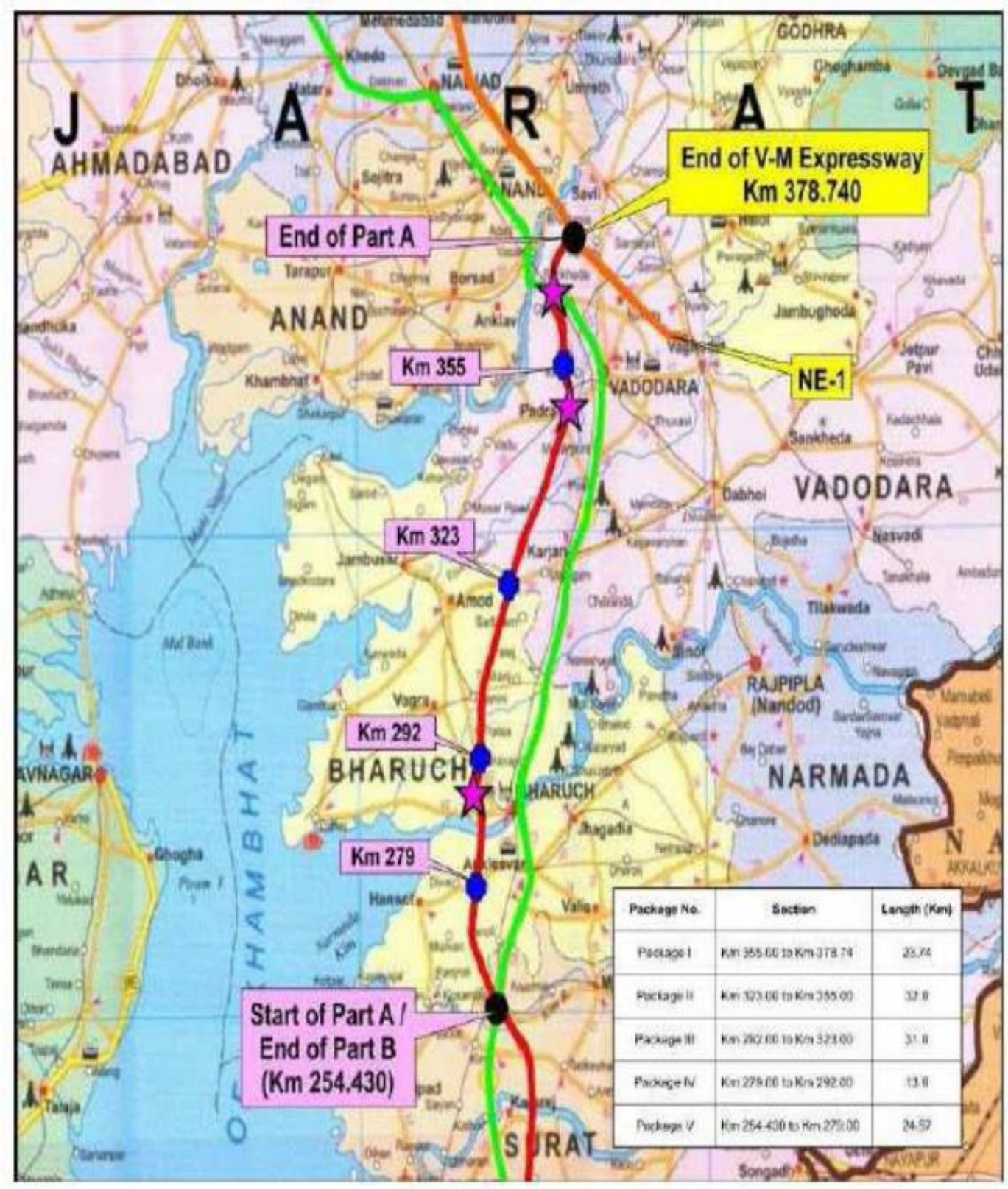
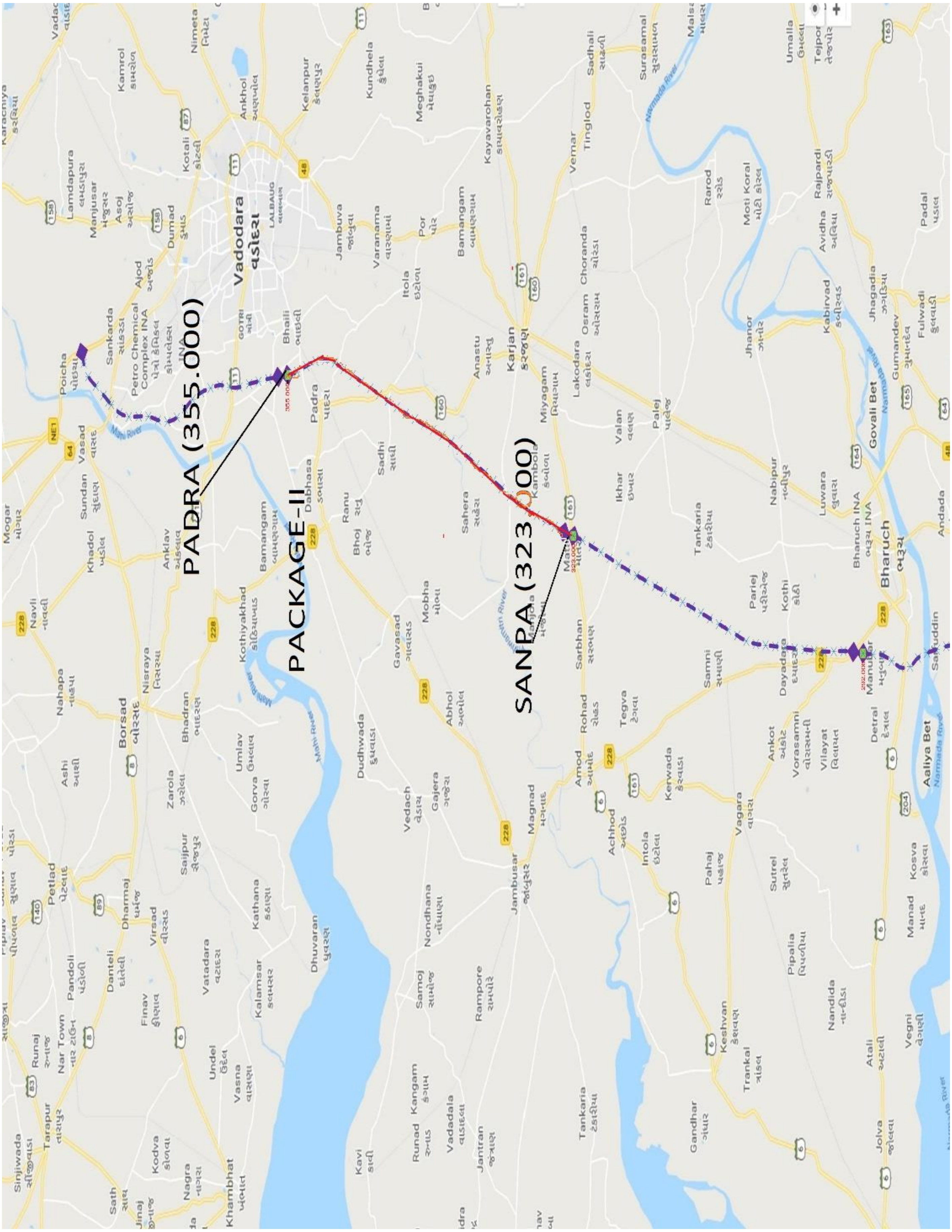
I. LOCATION PLAN& KEY PLAN

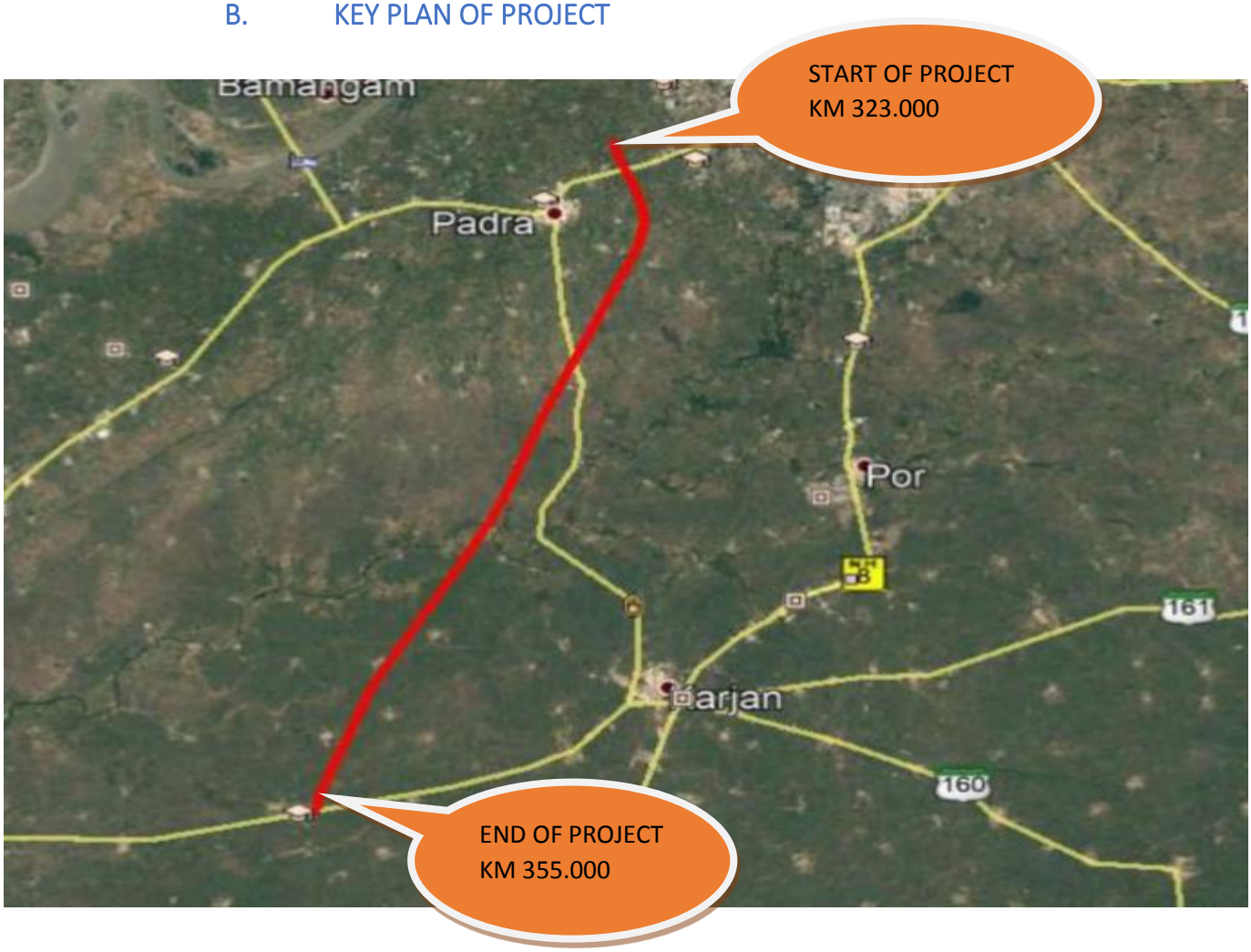
A. Key plan of Expressway

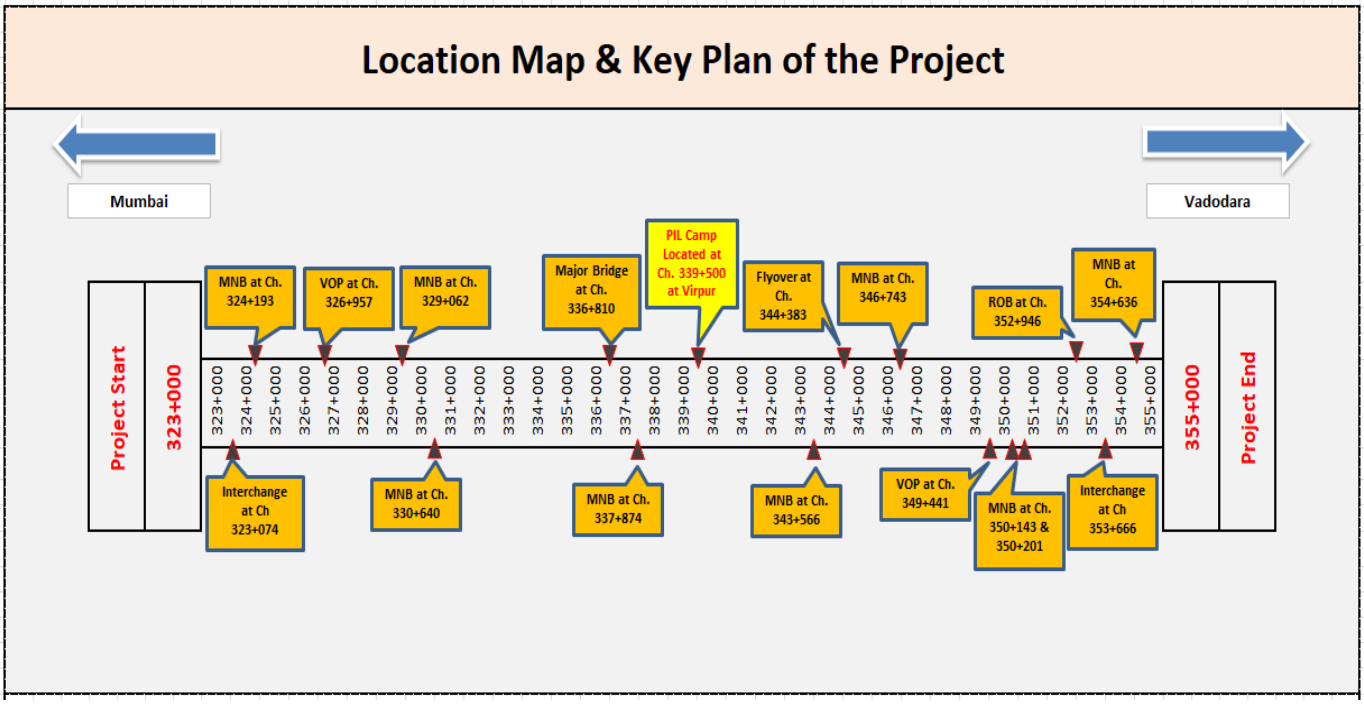


Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00
National Highway Authority of India (NHDP Phase VI)
IRCON International Limited



B. KEY PLAN OF PROJECT





II. EXECUTIVE SUMMARY

A. Project Synopsis

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

The 8-lane controlled access expressway traverses through two districts viz. Karjan and Vadodara in Gujarat State. These districts are rich in industrial production. There are many industrial estates and factories both in public and private sector. The alignment starts near Sanpa at km 323+000 and passes through major villages Bodka, Kanabha, Handod, Sambhoi, Survada, Sadad , Husepur, Amla, Sarsavani, Goriyad, Ghayaj, Darapur, Patod, Sokhada, Samiyala and it ends at Gokalpura village near Vadodara at km 355.000.
The expressway comprises of rigid pavement for Main Carriageway and flexible pavement for the Connecting road. The Expressway alignment runs almost parallel to existing NH 48 on west side. It includes the construction of bridges, underpasses, overpasses, ROB, Flyover, intersections, Connecting roads, culverts, related infrastructure such as Rest areas, Toll plaza, Wayside amenities, and also involves the installation of Advance Traffic Management system.

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

Present status of approval of ROB drawing at chainage 352+946: The drawing was approved by Sr. DEN (Co) – BRC, Western Railway on 24.12.2018 and proof checked by IIT, BHU on 08.07.2019. GAD, reinforcement details, initial pile load test and design report have been submitted to Sr. DEN vide NHAI letter no. NHAI/PIU-Bharuch/P-2/222 dated 19.07.2019. Detail design and drawing of super structures of proposed ROB have been submitted to Western railway vide NHAI letter no. NHAI/PIU-Bharuch/P-2-5/340 on 19.08.2019. Further, The design & drawing was approved on 20.03.2020 by the railway department and letter of approval was issued on dt 28.07.2020. Quality assurance plan has been submitted for steel composite girder on dt. 05.09.2020 and approved as on dt. 05.11.2020.

This report covers the progress for the month of February 2021. The Embankment work of the main carriageway has been continued and 30.10 Km out of 30.52 Km is in progress. The Executive summary of the reporting month is as shown below.

Executive Summary of the Project		
Sl. No	Key Reporting Metrics	Value/%/Amount
1	Cumulative Scheduled Physical Progress (%)	79.45%
2	Cumulative Achieved Physical Progress up to Current month (%)	77.38%
3	Physical progress target during current month (%)	3.84%
4	Physical progress achieved during current month (%)	8.27%
5	Cumulative stage achieved up to Current month (%)	50.86% (745.59 Crore)

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 Private Limited
Project Length	32.00 Km
Total Bid Project Cost	1465.00 Cr.
Defect liability Period	42 month
Construction Period (as per CA)	670 Days from the Appointed Date.
Date of LOA	26.10.2018
Date of Contract Agreement	19.11.2018
Appointed Date	31.01.2019
Schedule Date of Completion	30.11.2020
Proposed Date of Completion	14.08.2021

A. Milestones as per CA:

Sr. No.	Project Milestone	Required % of Physical & Financial Work Completion to Achieve Milestone	Milestone completion schedule as per CA (Days)	Milestone completion Revised schedule (Days)	Original Completion date as per CA	Achieved /Proposed Date of Milestone	Remarks
1	**Milestone – 1**	20%	150	150	30/06/2019	27/09/2019 (Achieved)	
2	**Milestone – 2**	35%	330	330	27/12/2019	25/01/2020 (Achieved)	IRCON Letter No 1540, dt 14.04.2020
3	**Milestone – 3**	75%	450	480	25/04/2020	12.02.2021 (Proposed)	with 90 days Grace Period
4	**Milestone – 4**	100%	670	670	01/12/2020	14.08.2021 (Proposed)	

B. Details of Typical Cross section

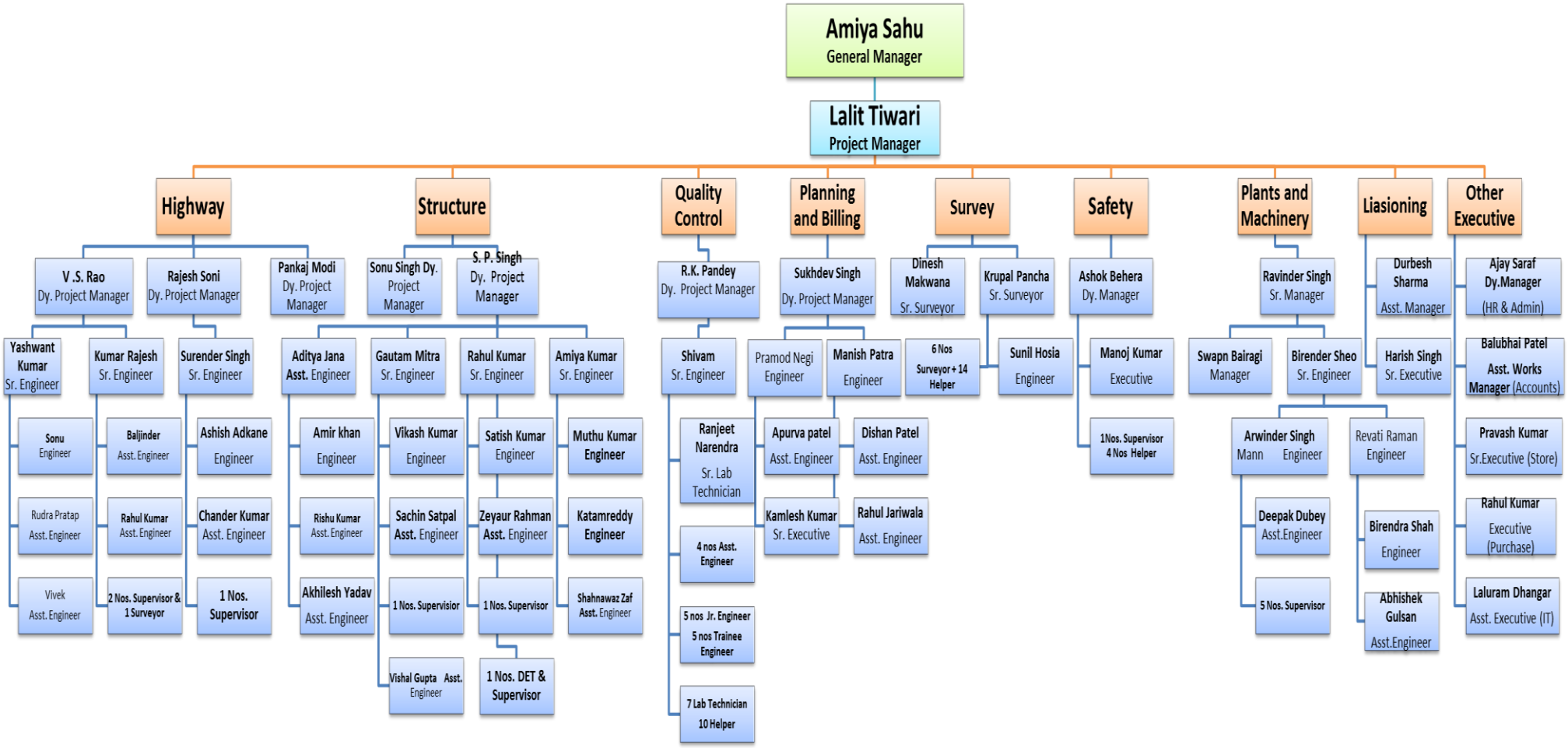
SR.NO.	Chainage as per CA		Chainage as per P&P		TCS TYPE
	To	From	To	From	
1	323+000	323+530	323+000	323+530	TCS 4/structure
2	323+530	323+700	323+530	323+700	TCS 5
3	323+700	329+300	323+700	329+300	TCS 1
4	329+300	329+400	329+300	329+400	TCS 2
5	329+400	331+850	329+400	331+825	TCS 1
6	331+850	332+050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

C. Details of MCW:

Sr. No.	Description	Length (in Km)
1	Embankment	30.52 Km
2	Sub grade	30.52 Km
3	GSB	30.52 Km
4	DLC	30.52 Km
5	PQC	30.52 Km

D. Details of Structures:

S. No.	Type of Structure	Details
1	Major Bridge	01 Nos. – (6X42.20mtr)
2	Flyover	01 Nos. (1X22.627+1X42.065+1X22.627mtr)
3	Interchange	02 Nos. (1X16.9+1X47.2+1X16.9mtr) & (1x48.2+2x (25+25+25.788mtr), [1x48.2+2(25.0+25.0+25.788)mtr]
4	ROB	01 Nos. – (2X37.20mtr)
5	Minor bridges	09 Nos.
6	Vehicular underpass	05 Nos. – (1X12mtr)
7	Light Vehicular Underpasses	08 Nos. – (1X12mtr)
8	Culverts (HP/BC)	94 Nos. (42 Nos. Pipe / 52 Nos. Box)
9	CUP	34 Nos. (1X12mtr)
10	Vehicular Overpass	02 Nos. – (2x48.221mtr, 2X41.350mtr)
Total		157



E. ORGANIZATION CHART

F. Details of Plant and Machinery Deployed:

Plant and Machinery Monthly Deployment Status						
Sl. No	Equipment	Unit	Avg. Planned	Actual Deployed	Working Status	Remarks
1	Back Hoe Loader	Nos	11	22	21 Working, 1 under Maintenance	
2	Excavator	Nos	19	37	36 Working, 1 under Maintenance	
3	Motor Grader	Nos	19	28	26 Working, 2 under Maintenance	
4	Vibratory Roller/Soil Compactor	Nos	19	39	34 Working, 5 under Maintenance	
5	Wet Mix Paver	Nos	0	0		
6	Wet Mix Plant	Nos	0	1	Working	
7	DLC Paver	Nos	0	1	Working	
8	PQC Paver	Nos	0	2	Working	
9	Hot Mix Plant	Nos	0	0		
10	Bitumen Paver	Nos	0	0		
11	Bitumen Sprayer	Nos	0	0		
12	Broomer	Nos	0	0	Working	
13	Tandem Roller	Nos	3	3	Working	
14	Pneumatic Tyre Roller	Nos	0	0		
15	Dumpers/Tippers	Nos	86	148	143 Working, 5 under Maintenance	
16	FE Loaders/Dozer	Nos	5	10	Working	
17	Water Tanker	Nos	19	48	Working	
18	Compressor	Nos	0	0	Working	
19	Concrete Batching Plant	Nos	1	10	CP-45 (2),CP-18, CP-65, CP-115, H6N240,CP-250,CP-30(3)	
20	Transit Mixers	Nos	9	40	38 Working, 2 under Maintenance	
21	Concrete Pump + Boom placer	Nos	2	3	Working	
22	Kerb Machine	Nos	1	1	Working	
23	Crusher - 250 MT	Nos	1	1	Working	
24	Weigh Bridge	Nos	4	2	Working	
25	Tractor	Nos	3	10	Working	
26	Diesel Tanker	Nos	2	5	Working	
27	Tempo	Nos	3	3	Working	
28	Tower Light	Nos	4	8	Working	
29	Hydra Crane	Nos	2	6	Working	
30	Vibratory Rammer	Nos	2	2	Working	
31	Dewatering Pump (Portable)	Nos	5	7	Working	
32	Baby Roller	Nos	2	2	Working	
33	Trailor / Platform Truck	Nos	1	6	Working	
34	Vibrator (Needle Type)	Nos	4	12	Working	
35	Kerb Cutter	Nos	2	2	Working	
36	Pile Boring machines	Nos.	6	4	Working	

G. Details of Applicable Permits:

Status of Applicable Permits (As per Schedule F) As on 28.02.2021				
Sr. 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	02.06.2020	
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	Received	14.01.2020	
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 percentage of Physical progress calculation is based on the assigned weight-ages revised on 04/11/2019 to the overall scope of the work.

The physical progress achieved is 77.38 % as on 28.02.2021.

Given below is the summary of status of the works executed as on 28.02.2021

B. Highway Progress:

Sr. No.	Item	Unit	Scope of work	Completed	Work in Progress	Balance work
1	C & G	Km	30.52	30.40	0	0.12
2	Embankment	Km	30.52	29.60	0.80	0.12
3	Sub grade	Km	30.52	28.53	1.07	0.92
4	GSB	Km	30.52	27.70	0.83	1.99
5	DLC	Km	30.52	27.34	0.36	2.82
6	PQC	Km	30.52	20.54	0.50	9.48

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

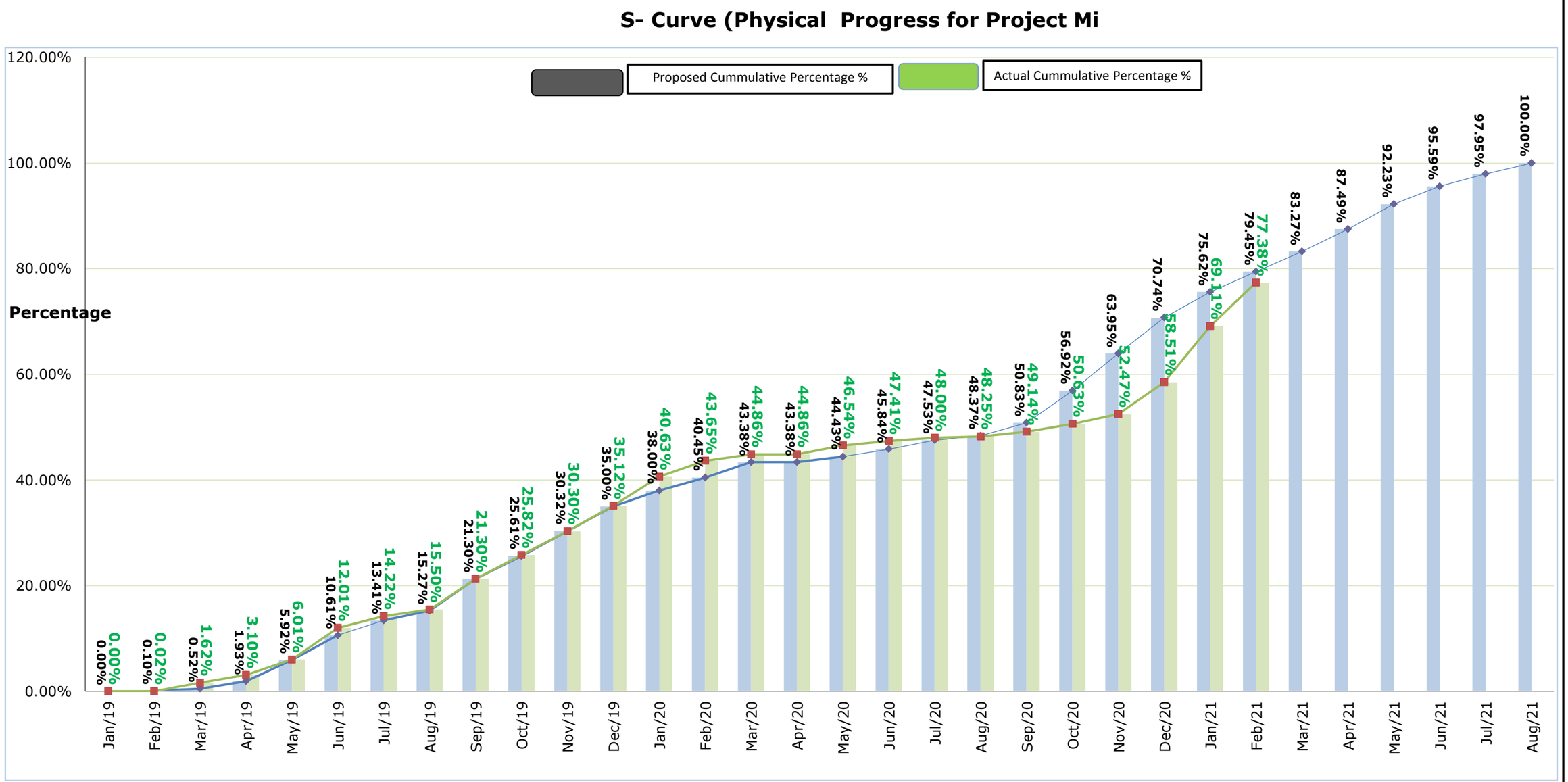
A. Structure Progress:

SR.No	Type Of Structure	Total No. of Structure as per CA	Completed Structure	No of Work in progress of structure	Structure To be Taken.	Remarks
1	HPC	42	42+4	0	0	1.) Pipe laid in 80 (m) length, Pipe extension is in progress, Both side chambers Construction in progress.
2	BOX Culvert	52	36	15	1	2.) Balance for connecting roads, ramps & loops.
3	Flyover	1	0	1	0	1.) Foundation-8 Nos. completed 2.) Substructure 8 Nos. completed 3.) Girder-42 No. completed
4	ROB	1	0	1	0	1.) Pile-80 Nos. Completed 2.) Pile Cap- 6 Nos. Complete. 3.) Substructure 2 Nos. Complete, 2Nos. Abt. Cap in Progress.
5	MJB	1	0	1	0	1.) Pile-228 Nos. completed 2.) Foundation-14 Nos. completed 3.) Substructure- 06 Pier/abt. Cap completed. 4.) Girder-52 Nos. Done

6	MNB	9	3	6	0	Box Type 1.) Foundation-4 Nos. completed 2.) Substructure-4 Nos. completed 3.) Superstructure- 3Nos. completed 4.) Girder-All completed Retaining wall started Pile Type 1.) Foundation-All completed 2.) Substructure – 36/36 Nos. In Completed. 3.) Girder completed
7	Interchange	2	0	2	0	At Location 323+074 1.) Foundation-8 Nos. completed 2.) Substructure-8 Nos. completed 3.) Girder-42 Nos. completed At Location 353+666 1.) Foundation-16 Nos. completed 2.) Substructure-16 Nos. completed 3.) Girder-102 Nos. completed, Launching in Progress.
8	VOP	2	0	2	0	At Location 349+441 1.) Foundation- completed 2.) Substructure- completed Girder- 8 Nos. completed At Location 326+957 3.) Foundation-3 Nos. completed 4.) Substructure- 3 completed
9	LVUP	8	8	0	0	1.) Foundation-8 Nos. completed 2.) Substructure-8 Nos. completed 3.) SuperStructure-8 Nos. complete RE wall and crash barrier work in Progress
10	VUP	5	5	0	0	1.) Foundation-5Nos. completed 2.) Substructure-5Nos. completed 3.) Super structure-5 Nos. completed. RE wall and crash barrier work in progress
11	PUP/CUP	34	34	0	0	1.) Foundation-34 Nos. completed 2.) Substructure-34 Nos. completed 3.) Super structure-34 Nos. Completed RE wall and crash barrier work in progress. 20 Nos. is Completed.
Total		157	132	28	1	
1		Utility Duct	61	61	0	1) Utility duct in 75m Length Completed, Extension is in progress

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

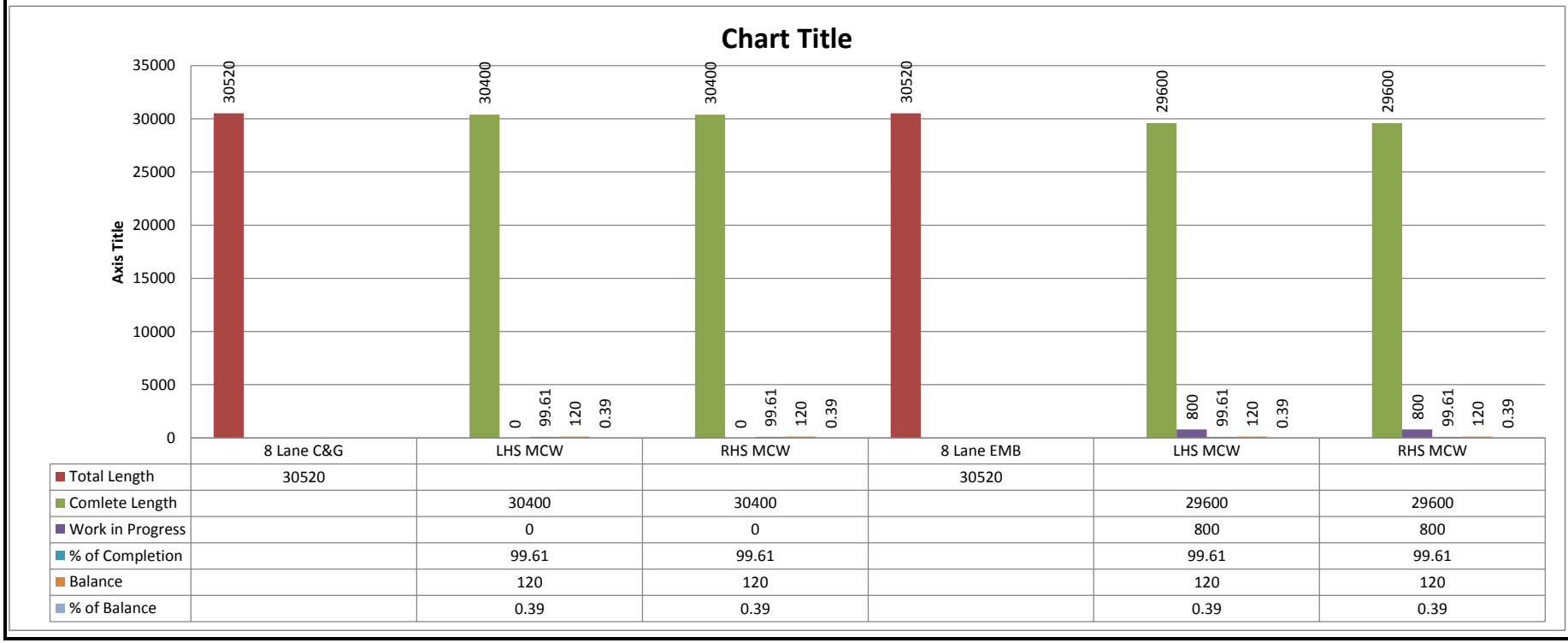
PROJECT:Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 355.00(Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase- VI on EPC mode



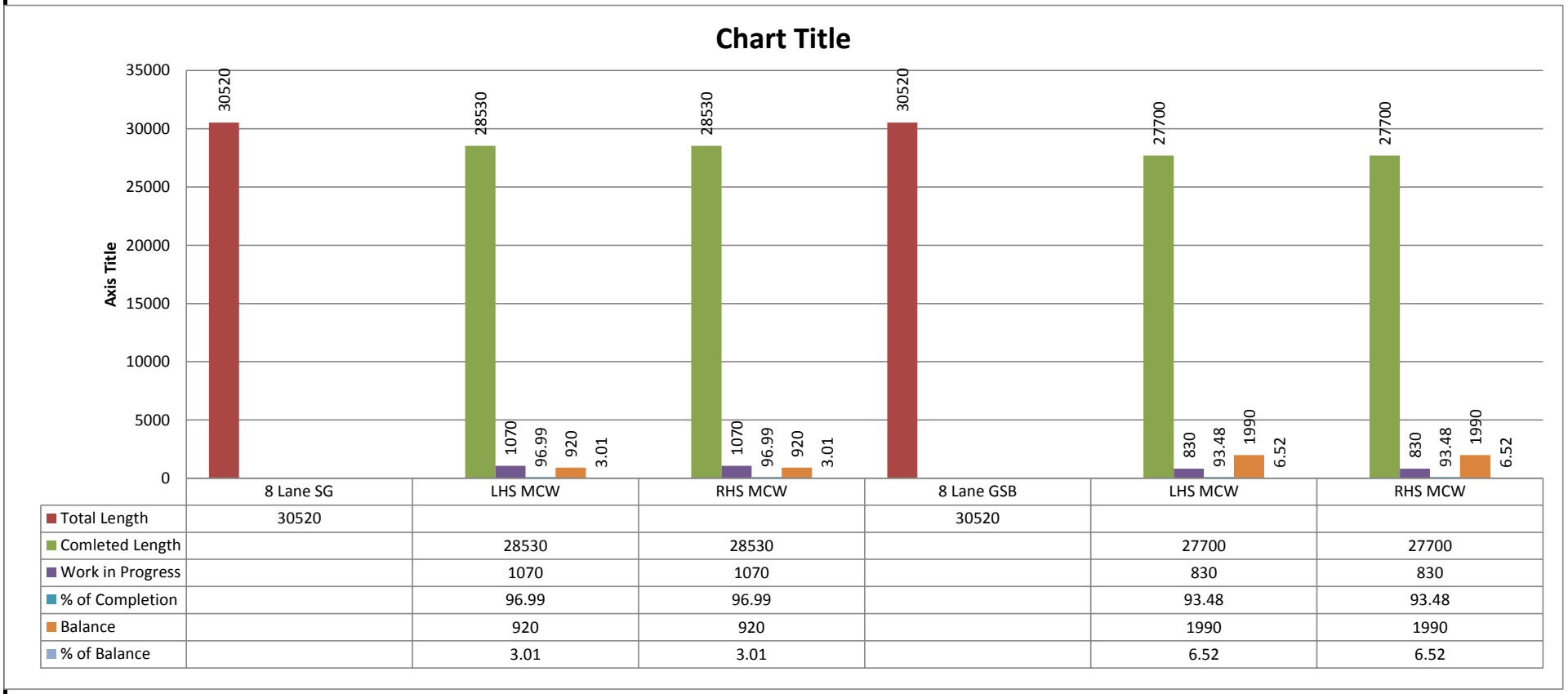
Month	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21
Proposed Cum. Percentage (%)	0.00%	0.10%	0.52%	1.93%	5.92%	10.61%	13.41%	15.27%	21.30%	25.61%	30.32%	35.00%	38.00%	40.45%	43.38%	43.38%	44.43%	45.84%	47.53%	48.37%	50.83%	56.92%	63.95%	70.74%	75.62%	79.45%	83.27%	87.49%	92.23%	95.59%	97.95%	100.00%
Actual Cum. Percentage (%)	0.00%	0.02%	1.62%	3.10%	6.01%	12.01%	14.22%	15.50%	21.30%	25.82%	30.30%	35.12%	40.63%	43.65%	44.86%	44.86%	46.54%	47.41%	48.00%	48.25%	49.14%	50.63%	52.47%	58.51%	69.11%	77.38%						

Highway Bar Chart							28.02.2021
S.No.	Type of Work	Total Length	Comlete Length	Work in Progress	% of Completion	Balance	% of Balance
1	8 Lane C&G	30520					
2	LHS MCW		30400	0	99.61	120	0.39
3	RHS MCW		30400	0	99.61	120	0.39
4	8 Lane EMB	30520					
5	LHS MCW		29600	800	99.61	120	0.39
6	RHS MCW		29600	800	99.61	120	0.39

-500 800



Highway Bar Chart							28.02.2021	
S.No.	Type of Work	Total Length	Comleted Length	Work in Progress	% of Completion	Balance	% of Balance	
1	8 Lane SG	30520						
2	LHS MCW		28530	1070	96.99	920	3.01	1070
3	RHS MCW		28530	1070	96.99	920	3.01	
4	8 Lane GSB	30520						
5	LHS MCW		27700	830	93.48	1990	6.52	830
6	RHS MCW		27700	830	93.48	1990	6.52	

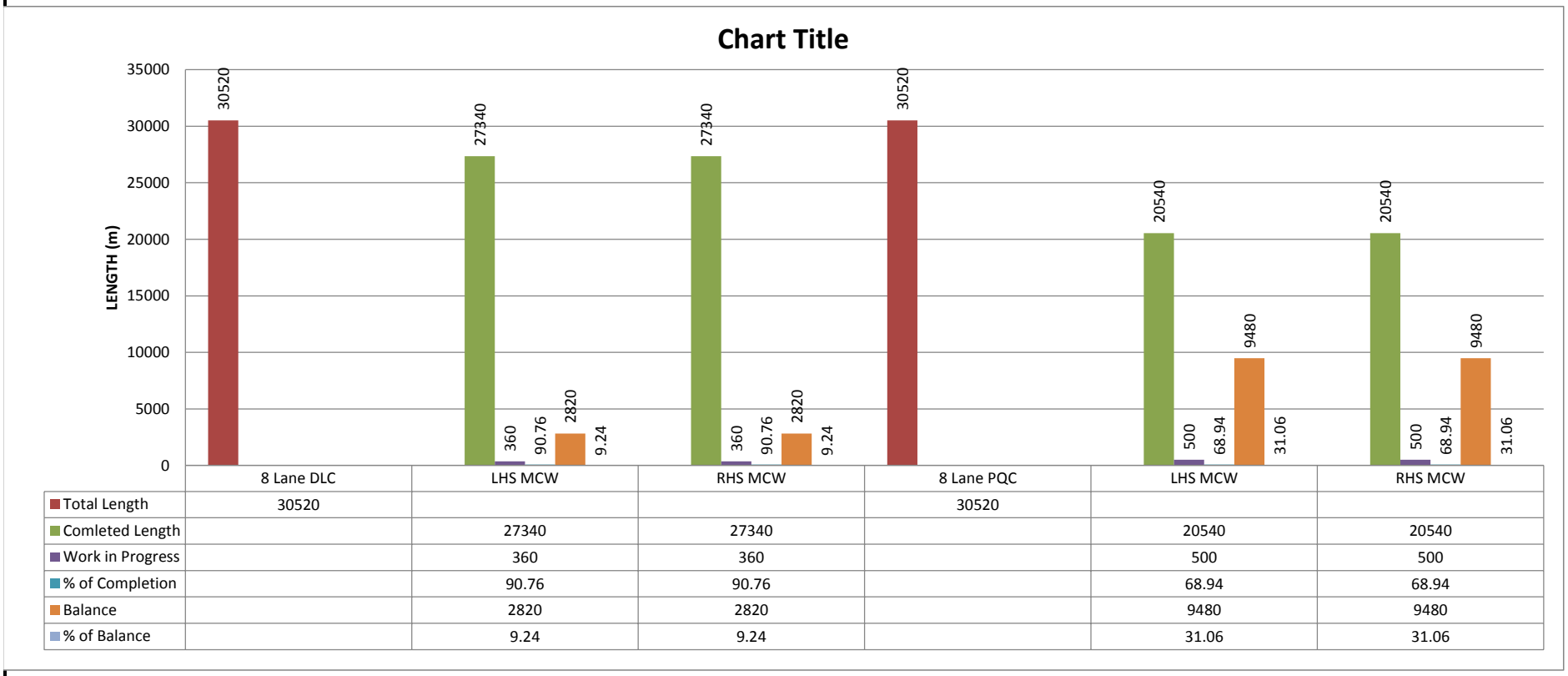


	8 Lane SG	LHS MCW	RHS MCW	8 Lane GSB	LHS MCW	RHS MCW
Total Length	30520			30520		
Comleted Length		28530	28530		27700	27700
Work in Progress		1070	1070		830	830
% of Completion		96.99	96.99		93.48	93.48
Balance		920	920		1990	1990
% of Balance		3.01	3.01		6.52	6.52

Highway Bar Chart							28.02.2021
S.No.	Type of Work	Total Length	Comleted Length	Work in Progress	% of Completion	Balance	% of Balance
1	8 Lane DLC	30520					
2	LHS MCW		27340	360	90.76	2820	9.24
3	RHS MCW		27340	360	90.76	2820	9.24
4	8 Lane PQC	30520					
5	LHS MCW		20540	500	68.94	9480	31.06
6	RHS MCW		20540	500	68.94	9480	31.06

360

6800

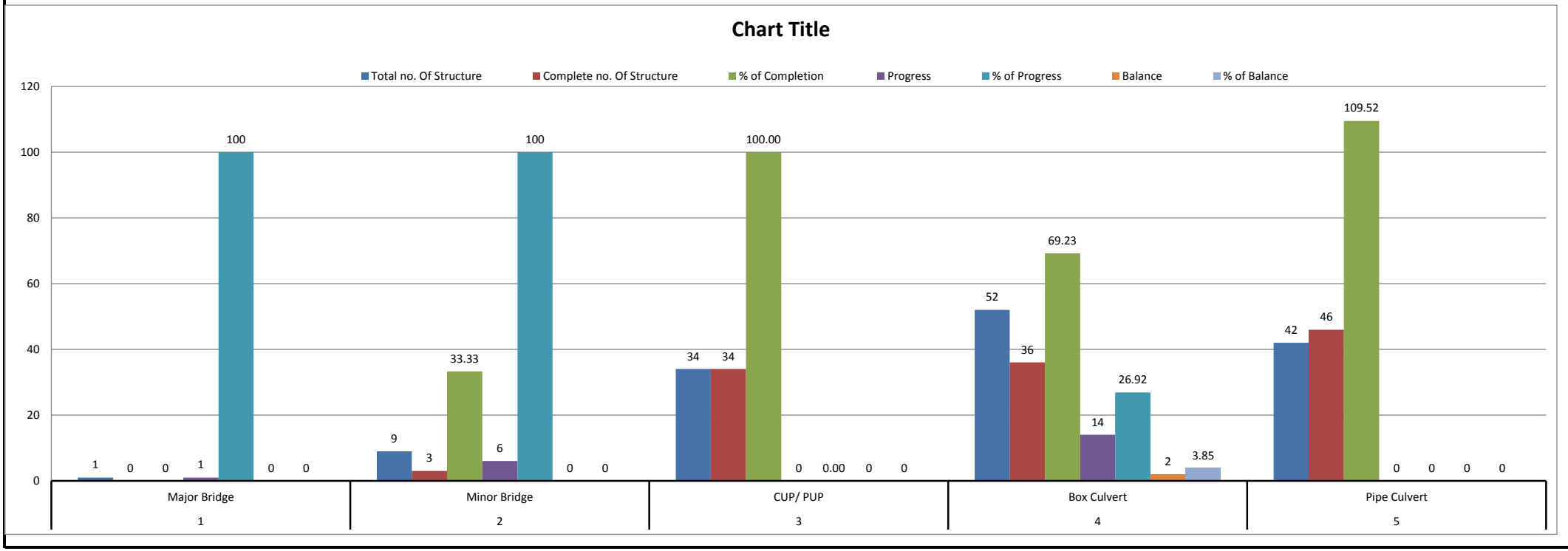


	8 Lane DLC	LHS MCW	RHS MCW	8 Lane PQC	LHS MCW	RHS MCW
Total Length	30520			30520		
Comleted Length		27340	27340		20540	20540
Work in Progress		360	360		500	500
% of Completion		90.76	90.76		68.94	68.94
Balance		2820	2820		9480	9480
% of Balance		9.24	9.24		31.06	31.06

STRUCTURE BAR CHART

Structure Work :- Flyover, PUP, VUP, & ROB — **Status as on 28.02.2021**

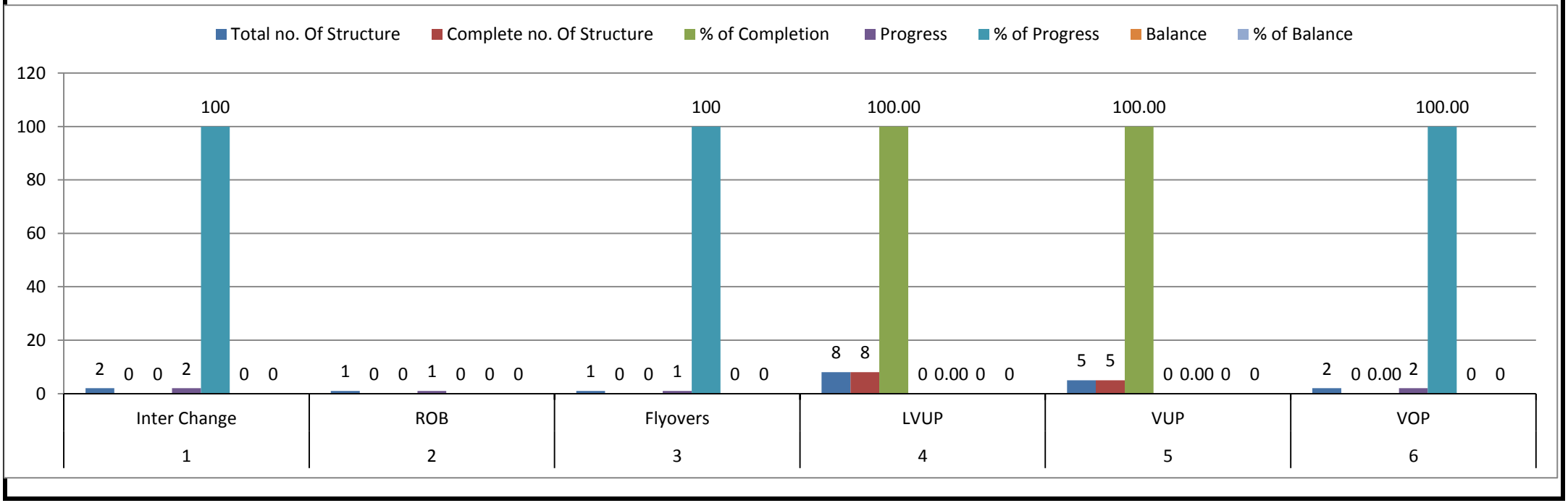
S.no.	Types Of work	Total no. Of Structure	Complete no. Of Structure	% of Completion	Progress	% of Progress	Balance	% of Balance
1	Major Bridge	1	0	0	1	100	0	0
2	Minor Bridge	9	3	33.33	6	100	0	0
3	CUP/ PUP	34	34	100.00	0	0.00	0	0
4	Box Culvert	52	36	69.23	14	26.92	2	3.85
5	Pipe Culvert	42	46	109.52	0	0	0	0



STRUCTURE BAR CHART

Structure Work :- Flyover, PUP, VUP, & ROB — **Status as on 28.02.2021**

S.no.	Types Of work	Total no. Of Structure	Complete no. Of Structure	% of Completion	Progress	% of Progress	Balance	% of Balance
1	Inter Change	2	0	0	2	100	0	0
2	ROB	1	0	0	1	0	0	0
3	Flyovers	1	0	0	1	100	0	0
4	LVUP	8	8	100.00	0	0.00	0	0
5	VUP	5	5	100.00	0	0.00	0	0
6	VOP	2	0	0.00	2	100.00	0	0



V. Status of Land Acquisition

- Total land for which compensation was paid by NHAI/CALA as on 28.02.2021 is **97 %** i.e. **31.025 Km**. out of total 32km.

- As on date, Hindered Length Due to various utilities / Land / Other hindrances falling in the Total length of 32 km is **2.315 Km**

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

Details of Hindrances	Hindered Length in meter	Remarks
Total Hindered length due to Electrical Utilities	445	Annexure 4A
Total Hindered length due to water pipeline etc.	40	Annexure 4B
Total Hindered Area due to Disputed Land	1630	Annexure 4C
Permanent Structures	200	Annexure 4D
Grand Total	**2315**	

- Net unencumbered/Unhindered length of road as on 28.02.2021 is = 32.000 – 2.315 = 29.685 km. i.e. 92.77%.

- Action taken by M/s. PIL: We are consistently corresponding with Concessionaire and related Authorities for shifting of utilities and Land acquisition Issues.

VI. UTILITY SHIFTING

Status of Utilities in Package-II of Vadodara Kim Expressway									
								Date:28.02.2021	
Sr.	Description	MGVCL	GETCO	PGCIL	TORRENT	GWSSB	ONGC	GAIL	GSPL
1	Estimate Submitted to PIU-Dated	31.07.2019 & 08.12.2020	30.01.2020	30.08.2019	24.08.2019	04.04.2019	23.07.2020		
2	Approval by RO-Dated	22.11.2019, 17.12.2019 & 2 Estimate approval awaited	28.02.2020						
3	Supervision Charge paid-Dated	Padra 1- 19.03.2020 Padra 2- 27.03.2020 Karjan- 18.03.2020	13.03.2020 13.03.2020			08.01.2020			
4	Work Started on	05.10.2020	20.10.2020						
5	Work Completed on	Padra 1 80% Padra 2 Complete Karjan 90%	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress	In Progress
6	Total length effected(m)	1965	145	50	150	40	100	60	-
7	Total length cleared(m)	1865	-	-	-	-	-	-	-
8	Balance length to be clear(m)	100	145	50	150	40	100	60	-

VII. STATUS OF DESIGN & DRAWING

Design Status of Sanpa- Padra Project (As on 28.02.2021)									
Sr. No	Type of Structure	Total scope (Nos)	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Nos. of structures Balance to be reviewed by IE	Chainage	Submitted to IE/IRCON	Comments from IE/IRCON on	Present Status
1	Inter-change	2	2	2	0	323+075	PIL/HO/VKE2/IRCON/015/2020 Dt. 06.01.2020	IRCON/3019/VKE/PATEL/1242 dt. 06.01.2020	Approved vide letter no. 1242
						323+075	PIL/HO/VKP2/IRCON/428/2020, dt 07.08.2020	IRCON/3019/VKE/PATEL/2011 dt. 07.09.2020	Found in Order vide letter No 2011 IRCON/IE have reviewed the compliance given by M/s PIL and the layout & profile of the Interchnage at Km 323+075 & it is found in order Ms/ PIL is hereby requested to proceed for the GFC Drawings along with details of coordinates of the splitters , drainage and profile of the circulatory carriageway in roundabouts
						323+075	PIL/HO/VKP2/IRCON/068/2020, dt 31.01.2020	IRCON/ 3019/ VKE/ PATEL / 1916, dt. 17.08.2020	Approved vide letter no. 1916 the compliance regarding PSC girder, RCC girder, GAD & Design

						353+666	PIL/HO/VKP2/IRCON/377/2020 dt.08.07.2020	IRCON/3019/VKE/PATEL/1775 dt. 01.07.2020	Approved
2	Major Bridge	1	1	1	0	336+830	(1) PIL/HO/VKP2/IRCON/201/2020 dt.04.04.2020 (2) PIL/HO/VKP2/IRCON/756/2020 , dt 28.12.2020 (3) PIL/HO/VKP2/IRCON/014/2021 , dt 06.01.2021 (4) PIL/HO/VKP2/IRCON/016/2021 , dt 08.01.2021 (5) PIL/HO/VKP2/IRCON/040/2021 , dt 19.01.2021 (6) PIL/HO/VKP2/IRCON/071/2021 , dt 30.01.2021 (7) PIL/HO/VKP2/IRCON/094/2021 , dt 09.02.2021	(1) IRCON/3019/VKE/PATEL/1565 dt. 24.04.2020 (2) IRCON/ 3019/ VKE/ PATEL / 1003/ 2548, dt 08.01.2021 (Against PIL Letter no 756 & 681) (3) Approval not received FOR PIL Letter no 014 (4) IRCON/ 3019/ VKE/ PATEL / 1003/ 2571, dt 12.01.2021 (Against PIL Letter no 016) (5) IRCON/ 3019/ VKE/ PATEL / 1003/ 2675, dt 02.02.2021 (Against PIL Letter no 040)	(1) Approved vide letter no. 1565
3	VOP	1	1	1	0	326+957	PIL/HO/VKP2/IRCON/031/2020 Dt. 17.01.2020 PIL/HO/VKP2/IRCON/604/2019 Dt. 28.08.2019	IRCON/3019/VKE/PATEL/2076 dt. 19.09.2020	Found in order vide letter No 2076

	VOP	1	1	1	0	349+441	PIL/HO/VKP2/IRCON/342/2020 dt. 23.06.2020	IRCON/3019/VKE/PATEL/1863 dt. 30.07.2020	Approved vide letter no. 1616
4	Minor Bridge	9	9	6	3	324+193	PIL/HO/VKP2/IRCON/765/2019 Dt. 17.12.2019	IRCON/3019/VKE/PATEL/1400 dt. 29.02.2020	Approved by IRCON letter no. 1400Found in Order Vide IRCON Office Letter No 2120, dt 28.09.2020
						329+062	PIL/HO/VKP2/IRCON/204/2019 dt. 09.04.2020	-	Approved by IE (A2 size Hard Copy submitted vide PIL/ VK2/ IRCON/ 667 / 2020, dt 29.09.2020)
						330+640	PIL/HO/VKE2/IRCON/249/2020 Dt. 12.05.2020 PIL/HO/VKE2/IRCON/316/2020 Dt. 12.06.2020	-	Under review With IE
						337+874	PIL/HO/VKP2/IRCON/205/2019 dt. 09.04.2020	-	Approved by IE (A2 size Hard Copy submitted)
						343+500	PIL/HO/VKE2/IRCON/302/2020 Dt. 02.06.2020	IRCON/3019/VKE/PATEL/992 dt. 26.11.2019, IRCON/3019/VKE/PATEL/1125 dt. 30.12.2019	Under review With IE
						346+743	R1 - PIL/HO/VKE2/IRCON/563/2019 Dt. 07.08.2019	IRCON/3019/VKE/PATEL/1039 dt. 09.12.2019 (For GT)	Approved by IE (IRCON ltr. 882 dt. 09.10.2019)(A2 size Hard Copy submitted)

						350+143	(1) PIL/HO/VKE2/IRCON/326/2020 Dt. 19.06.2020 (2) Complied of IRCON Letter No 1817 vide PIL /HO /VKP2/ IRCON/ 556/ 2020 , dt 13.10.2020	(1) IRCON/3019/VKE/PATEL/1817 dt. 16.07.2020	(1) Approved by IRCON letter no. 1817 dt. 16.07.2020, L type return wall with gap between the abutment & reuturn wall is not advisable.
						350+201	PIL/HO/VKE2/IRCON/180/2020 Dt. 20.03.2020	-	Under review With IE
						354+636	PIL/HO/VKP2/IE/787/2019 Dt. 24.12.2019 (GFC)	IRCON/3019/VKE/PATEL/1751 dt. 30.06.2020	Approved via ltr. No. 1751 (With bearing comments)
5	Flyover	1	1	1	0	344+383	(1) PIL/HO/VKP2/IRCON/222/2020 Dt. 24.04.2020 (2) complied for IRCON letter no. 2036 vide PIL/HO /VKP2/ IRCON/ 491/2020 Dt. 14.09.2020 (3) A2 Size GSC drawing submitted vide PIL Letter No. PIL/VK2/IRCON/ 688 /2020, DT. 14.10.2020	(1) IRCON/3019/VKE/PATEL/2036 dt. 14.09.2020 (2) IRCON/3019/VKE/PATEL/2068 dt. 18.09.2020 (Comments against PIL Letter No 491) (3) IRCON/3019/VKE/PATEL/1003/ 2261 dt. 29.10.2020 (comments against PIL Letter No 491) (4) Observation also received vide Ircon	(1) Observation Received vide IRCON Letter No 2036, dt. 14.09.2020 (2) Found in Order vide letter No 2068, dt 18.09.2020 (3) Minor observations received over A2 size drawings Vide IRCON Letter No. 2316, dt. 10.11.2020 Comment is " Sectional Elevation of Abutment shall be modified"

								letter No IRCON/ 3019/ VKE/ PATEL /1003/ 2316, dt 10.11.2020 against submission of A2 size GFC drawing vide PIL Letter No 688, dt. 14.10.2020	
6	ROB	1	1	0	1	352+945	PIL/HO/VKP2/IRCON/520/2019 Dt. 15.07.2019 & PIL/HO/VKP2/IRCON/579/2019 Dt. 17.08.2019	-	Under review With IE, Approved from IIT (BHU) and WR
						ROB Abutment (A1) at Ch. 352+946.198	PIL/HO/VKP2/IRCON/426/2020, dt 06.08.2020	-	Submission of Detailed design & drawing of ROB Abutment RA 1 duly approved by Railway Department
7	VUP	5	5	5	0	330+402	PIL/HO/VKE2/IRCON/533/2019 Dt. 20.07.2019	IRCON/3019/VKE/PATEL/853 dt. 27.09.2019 for bar No. 16	Approved by IRCON letter no. 853 dt. 27.09.2019
						331+822	PIL/HO/VKE2/IRCON/501/2019 Dt. 02.07.2019	IRCON letter no. 497 dt. 11.06.2019	Approved by IE (IRCON ltr. 831 dt. 18.09.2019)
						335+402	Submitted to IE-Ho By SES by mail of dt. 28.05.2019	-	Approved by IE (IRCON ltr. 657 dt. 19.07.2019)
						341+826	PIL/HO/VKE2/IRCON/501/2019 Dt. 02.07.2019	IRCON letter no. 497 dt. 11.06.2019	Approved by IE (IRCON ltr. 831 dt. 18.09.2019)
						351+284	PIL/HO/VKE2/IRCON/501/2019 Dt. 02.07.2019	IRCON letter no. 497 dt. 11.06.2019	Approved by IE (IRCON ltr. 831 dt. 18.09.2019)

8	LVUP	8	8	8	0	(02 Ch. 354+832, 343+856) (05 Ch. 325+769, 337+022, 341+600, 348+468, 351+810) 329+344 submitted	2 nos. submitted vide ltr no. 727 dt. 30.11.2019 5 nos. submitted vide ltr no. 725 dt. 29.11.2019	2 nos. Approved by IRCON Letter no. 758 dt. 23.08.2019 (343+877 & 354+855), IRCON ltr. No. 1744 dt. 29.06.2020 (325+769, 337+022, 341+600, 348+468, 351+810) IRCON ltr. No. 1750 dt. 30.06.2020 (354+832, 343+856)	2 nos. Approved by IRCON Letter no. 758 and 1744 dt. 23.08.2019 5 nos approved vide ltr. No. 1744 dt. 29.06.2020, (07 nos LVUP - A2 size Hard Copy submitted for stamping)
9	PUP/CUP	34	34	34	0	-	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 (A2 size drawing stammped), 4 nos. Approved
10	Box Culvert	52	52	38	14	-	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,	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 30 are pending with IE

							9 nos. by mail dt. 28.05.2019, 3 nos. by mail dt. 29.05.2019, 7 nos. by mail dt. 31.05.2019		
	Box Culvert					0+535 at VOP-349+441)	PIL/ VK2/ IRCON/ 652 / 2020, dt 22.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2195, dt. 14.10.2020	Foundation for retaining wall shall be placed at 2.0 m below the maximum scour level or from protected bed level as per CL : 705.2.1 of IRC : 78-2014
	Box Culvert					0+909 at at VOP 326+957	(1) PIL / HO /VKP2 /IRCON / 525/ 2020 , dt 25.09.2020 (2) Complied of IRCON Letter No. 2172, vide PIL / HO / VKP2 /IRCON /549/ 2020 , dt 13.10.2020	(1) IRCON/ 3019/ VKE/ PATEL /1003/ 2172, dt 10.10.2020 (2) IRCON/ 3019/ VKE/ PATEL /1003/ 2220 , dt 21.10.2020	Approved Vide Letter NO 2220
	Box Culvert					0+015 at Ramp-2 of IC 323+075	CH. Vide PIL/ VK2/ IRCON/ 665 / 2020, dt 28.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2232 , dt 26.10.2020	Approved Vide Letter NO 2232

	Box Culvert					0+015 at Ramp-2 of IC 323+075	(1) PIL/HO/ VKP2/ IRCON/ 655/ 2020, dt 12.11.2020 (2) Complied of IRCON Letter No. 2371, Vide PIL Letter No : PIL/HO/VKP2/IRCON/713/2020, dt 07.12.2020	(1) IRCON/ 3019/ VKE/ PATEL /1003/ 2371 , dt 24.11.2020 (2) IRCON/ 3019/ VKE/ PATEL /1003/ 2473, dt.22.12.2020	Approved vide IRCON Letter 2473, dt 22.12.2020 IRCON / IE Have reviewed the submission of M/s PIL of design & drawings of precast box culverts were structurally found in order
	Box Culvert					0+020 at Ramp-3 of IC 323+075	PIL/ VK2/ IRCON/ 665 / 2020, dt 28.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2232 , dt 26.10.2020	Approved Vide Letter NO 2232
	Box Culvert					0+020 at Ramp-3 of IC 323+075	(1) PIL/HO/ VKP2/ IRCON/ 656/ 2020, dt 12.11.2020 (2) Complied of IRCON Letter No 2372, Vide PIL/ HO/ VKP2/ IRCON/ 713/2020, dt 07.12.2020	(1) IRCON/ 3019/ VKE/ PATEL /1003/ 2372 , dt 24.11.2020 (2) IRCON/ 3019/ VKE/ PATEL /1003/ 2473, dt.22.12.2020	Approved vide IRCON Letter 2473, dt 22.12.2020 IRCON / IE Have reviewed the submission of M/s PIL of design & drawings of precast box culverts were structurally found in order
	Box Culvert					0+305 at Ramp-3 of IC 323+075	PIL/ VK2/ IRCON/ 665 / 2020, dt 28.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2232 , dt 26.10.2020	Approved Vide Letter NO 2232 Retainer or parapet reinforcement shall be referred to separate design & drawings as height is more than 3.0 m

	Box Culvert					0+305 at Ramp 3 of IC 323+075	(1)PIL /HO/ VKP2/ IRCON/ 644/ 2020 , dt 07.11.2020 (2) Complied of IRCON Letter No, 2370 vide PIL/ HO/ VKP2/ IRCON/ 713/ 2020, dt 07.12.2020 (3) Complied of IRCON Letter No. 2473 , vide PIL/ HO/ VKP2/ IRCON/ 066/ 2020, dt 29.01.2021	(1)IRCON/ 3019/ VKE/ PATEL /1003/ 2370 , dt 24.11.2020 (2) IRCON/ 3019/ VKE/ PATEL /1003/ 2473, dt.22.12.2020	Approved vide IRCON Letter 2473, dt 22.12.2020 IRCON / IE Have reviewed the submission of M/s PIL of design & drawings of precast box culverts were structurally found in order
	Box Culvert					CH. 0+346 at Ramp-2 of IC 323+075	PIL/ VK2/ IRCON/ 665 / 2020, dt 28.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2232 , dt 26.10.2020	Approved Vide Letter NO 2232
	Box Culvert					CH. 0+346 at Ramp-2 of IC 323+075	(1)PIL /HO/ VKP2/ IRCON/ 737/ 2020, dt. 19.12.2020	IRCON/ 3019/ VKE/ PATEL / 1003/ 2530, dt. 04.01.2021	IRCON/ IE have reviewed the submission of M/s PIL design & Drawings of precast box culvert and Structurally it is found in order, However, the levels , validation at site shall be verified at site before execution.
	Box Culvert					CH. 0+454 at Loop-2 of IC 353+666	PIL/ VK2/ IRCON/ 665 / 2020, dt 28.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2232 , dt 26.10.2020	Approved Vide Letter NO 2232

	Box Culvert					0+966 at Ramp-1 of IC 353+666	PIL/VK2/IRCON/ 669/ 2020 , dt 30.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2244 , dt 27.10.2020	Approved vide letter no 2473
							(1) PIL/ Ho/ VKP2/ IRCON/ 629/ 2020 , dt 04.11.2020 (2) Complied of IRCON Letter No. 2407, vide PIL/ HO/ VKP2/ IRCON/ 713/ 2020, dt 07.12.2020	(1) IRCON/ 3019/ VKE/ PATEL /1003/ 2407, dt. 02.12.2020 (2) IRCON/ 3019/ VKE/ PATEL /1003/ 2473, dt.22.12.2020	Approved vide IRCON Letter 2473, dt 22.12.2020 IRCON / IE Have reviewed the submission of M/s PIL of design & drawings of precast box culverts were structurally found in order
	Box Culvert					0+684 at Ramp-2 of IC 353+666.	PIL/VK2/IRCON/ 669/ 2020 , dt 30.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2244 , dt 27.10.2020	Approved Vide Letter No 2244
	Box Culvert					0+384 at Loop-3 of IC 353+666	(1) PIL/VK2/IRCON/ 669/ 2020 , dt 30.09.2020 (2) PIL/HO/VKP2/IRCON/088/2021, dt 05.02.2021	IRCON/ 3019/ VKE/ PATEL /1003/ 2244 , dt 27.10.2020	Approved Vide Letter No 2244
	Box Culvert					0+820 at Ramp 2 of IC 353+666	PIL/HO/VKP2/IRCON/088/2021, dt 05.02.2021		
	Box Culvert					0+407 at Loop-2 of IC 353+666	PIL/VK2/IRCON/ 669/ 2020 , dt 30.09.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2244 , dt 27.10.2020	Approved Vide Letter No 2244

	Box Culvert					0+560 & 0+640 at Interchange 353+666 (Loop 3 & Ramp 3)	(1) PIL/HO/VKP2/IRCON/648/2020, dt 10.11.2020(2) Complied of IRCON Letter No 2385, Vide PIL/ HO/ VKP2/ IRCON/ 713/ 2020, dt 07.12.2020(2) PIL/HO/VKP2/IRCON/091/2021, dt. 06.02.2021	(1) IRCON/ 3019/ VKE/ PATEL /1003/ 2385 , dt 26.11.2020(2) IRCON/ 3019/ VKE/ PATEL /1003/ 2473, dt.22.12.2020	Approved vide IRCON Letter 2473, dt 22.12.2020IRCON / IE Have reviewed the submission of M/s PIL of design & drawings of precast box culverts were structurally found in order
	Box Culvert					0+186 at Interchange (Ramp 2) 353+666	(1) PIL/ HO/ VKP2/ IRCON/ 649/ 2020, dt 10.11.2020 (2) Complied of IRCON Letter No. 2384 vide PIL/ HO/ VKP2/ IRCON/ 713/ 2020, dt 07.12.2020 (3) PIL/HO/VKP2/IRCON/091/2021, dt. 06.02.2021	(1) IRCON/ 3019/ VKE/ PATEL /1003/ 2384 , dt 26.11.2020 (2) IRCON/ 3019/ VKE/ PATEL /1003/ 2473, dt.22.12.2020 (3) Reply not Received	Approved vide IRCON Letter 2473, dt 22.12.2020 IRCON / IE Have reviewed the submission of M/s PIL of design & drawings of precast box culverts were structurally found in order
	Precast Box Culvert					0+582 at Interchange (Ramp 1) 353+666	(1) PIL/ HO/ VKP2/ IRCON/ 770/ 2020, dt 31.12.2020 (2) PIL/HO/VKP2/IRCON/091/2021, dt. 06.02.2021	(1) IRCON/ 3019/ VKE/ PATEL / 1003/ 2570, dt 12.01.2021 (2) Reply not Received	Found in Order vide IRCON Letter No. 2570, dt 12.01.2021 However, the levels, validation at site shall be verified at site before execution. Also, the provisions of safety measures for RE- walls (so that Water should not be in contact with RE walls) shall be verified before execution of work

	Precast Box Culvert					344+342 Utility Location	PIL/HO/VKP2/IRCON/747/2020, dt. 22.12.2020	IRCON/ 3019/ VKE/ PATEL / 1003/ 2529, dt 04.01.2021	IRCON/ IE have reviewed the submission of M/s PIL design & Drawings of precast box culvert and Structurally it is found in order, However, the levels, location & span as per Contract Agreement shall be validated at site, verified at site before execution.
	Precast Box Culvert					0+345 at Interchange (Ramp 4) 353+666	(1) PIL/HO/VKP2/IRCON/767/2020, dt. 30.12.2020 (2) PIL/HO/VKP2/IRCON/091/2021, dt. 06.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2572, dt 12.01.2021	Found in Order, However, the levels, validation at site shall be verified at site before execution. Also, the provisions of safety measures for RE- walls (so that Water should not be in contact with RE walls) shall be verified before execution of work
	Precast Box Culvert					344+440 Connecting Road	PIL/HO/VKP2/IRCON/075/2021, dt. 30.01.2021		
11	Pipe Culvert	42	42	42	0	-	42 Nos. Submitted by PIL/HO/VKE2/IRCON/362/2019 Dt. 24.05.2019	42 nos. IRCON/3019/VKE/PATEL/476 dt. 06.06.2019	Approved in MOM (A2 size drawing submitted to IE for stamping)
		157	157	139	18				

VIII. Weather report for the month of February 2021

MONTHLY WEATHER REPORT FOR THE MONTH OF February 2021

Sr. No.	DATE	TEMPRATURE (°C)		HUMIDITY (%)		RAINFALL (mm)	CUMM. RAINFALL (mm)	WEATHER	REMARKS
		Min.	Max.	Min.	Max.				
1	01-Feb-21	16.80	27.80	24.00	68.00	-	-	Sunny	
2	02-Feb-21	16.60	29.60	23.00	65.00	-	-	Sunny	
3	03-Feb-21	16.50	30.90	23.00	71.00	-	-	Sunny	
4	04-Feb-21	16.80	31.20	44.00	68.00	-	-	Sunny	
5	05-Feb-21	16.50	31.80	26.00	64.00	-	-	Sunny	
6	06-Feb-21	16.80	32.20	22.00	68.00	-	-	Sunny	
7	07-Feb-21	17.20	30.80	24.00	65.00	-	-	Sunny	
8	08-Feb-21	16.80	30.50	22.00	69.00	-	-	Sunny	
9	09-Feb-21	17.20	31.60	24.00	67.00	-	-	Sunny	
10	10-Feb-21	17.30	30.20	24.00	58.00	-	-	Sunny	
11	11-Feb-21	17.40	30.80	24.00	65.00	-	-	Sunny	
12	12-Feb-21	16.90	31.00	22.00	59.00	-	-	Sunny	
13	13-Feb-21	17.30	31.00	23.00	56.00	-	-	Sunny	
14	14-Feb-21	21.10	30.50	23.00	68.00	-	-	Sunny	
15	15-Feb-21	20.30	30.70	37.00	71.00	-	-	Sunny	
16	16-Feb-21	20.00	29.10	37.00	70.00	-	-	Sunny	
17	17-Feb-21	19.90	30.20	32.00	71.00	-	-	Sunny	
18	18-Feb-21	21.40	31.00	30.00	76.00	-	-	Sunny	
19	19-Feb-21	21.20	30.50	30.00	65.00	-	-	Sunny	
20	20-Feb-21	20.50	30.70	20.00	55.00	-	-	Sunny	
21	21-Feb-21	20.90	31.30	23.00	70.00	-	-	Sunny	
22	22-Feb-21	21.60	32.70	23.00	66.00	-	-	Sunny	
23	23-Feb-21	21.30	32.80	22.00	68.00	-	-	Sunny	
24	24-Feb-21	21.10	32.00	20.00	67.00	-	-	Sunny	
25	25-Feb-21	20.70	33.10	21.00	68.00	-	-	Sunny	
26	26-Feb-21	20.50	32.70	22.00	71.00	-	-	Sunny	
27	27-Feb-21	22.20	33.00	23.00	69.00	-	-	Sunny	
28	28-Feb-21	22.40	33.10	32.00	68.00	-	-	Sunny	
Cumulative Rainfall Till Date						**_____**		**mm**	

IX. Status of RFI

MONTH :- February - 2021.				
Sr.No.	Total RFI	Approved RFI	RFI Re-submitted after corrections suggested	Remarks
Highway				
1	1360	1255	105	
Structure				
2	949	866	83	
Laboratory (QA/QC)				
3	46	42	4	
Survey				
4	0	0	0	

IRCON VADODRA KIM EXPRESSWAY LIMITED Dated 28.02.2021

Construction of Eight Lane Vadodara Kim Expressway from Km. 323+000 to Km. 355+000 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on HAM Mode Project.

Item No,	Description	Unit	Quantity	SOR Item No. (year 2015-2016)	SOR Rate	Lead	SOR Rate(Rs) including Lead (year 2015-2016)	Amount(Rs)	Physical Progress Quantity Km/No	Rate in Rs.	Weightage in percentage to the Contract Price	Approved Weightage	Qty in Nos/km/m	Qty in cum/sqm/m	Amount (Rs.)	Physical Progress%	Physical Progress (Progressive) %
1	2	3	4	5	6	7	8 = 6+7	9 = 4x8	10	11 = 9/10	12	13	14a (Actual Qty. to be input here)	14 (=14a*4/10)	15	16	17
1	**Earth Work upto Top of Subgrade**																
1.1	Clearing and grubbing of -MCW	Hec	224.46	2.3 (ii) A			22,950.00	51,51,409.92	30.52	1,68,789	0.045%		30.40	223.58	5131195.21	0.05%	
1.2	Carrying out Jungle Cutting/ removal of debris / dismentling of Concrete Structure / Dismentaling of existing road / Removal of any Physical item	M2	-	Lunsum													
1.3	Earth work in excavation necessary	Cu.m.	95,697.59	3.6			30.00	28,70,927.64	30.52	94,068	0.025%		30.40	95,322.06	2859661.80	0.03%	
1.4	Construction of embankment - MCW Height upto 1 Mtr	Cu.m.	28,00,477.02	RA			223.10	62,47,86,422.61	30.52	2,04,71,536	5.517%		30.40	27,89,487.63	622334690.06	5.50%	
1.5	Construction of embankment - MCW Height 1 mtr to 2 Mtr	Cu.m.	23,33,656.39	RA			223.10	52,06,38,741.70	30.52	1,70,59,069	4.597%	20.30%	30.40	23,24,498.86	518595696.42	4.58%	20.04%
1.6	Construction of embankment - MCW Height 2 mtr to 3 Mtr	Cu.m.	18,66,835.77	RA			223.10	41,64,91,060.79	30.52	1,36,46,602	3.678%		30.40	18,59,510.10	414856702.78	3.66%	
1.7	Construction of embankment - MCW Height 3 mtr to Emb top Bottom	Cu.m.	14,00,461.87	RA			223.10	31,24,43,042.73	30.52	1,02,37,401	2.759%		30.20	13,85,788.89	309169500.77	2.73%	
1.8	Construction of embankment - MCW Embankment Top	Cu.m.	9,33,641.25	RA			223.10	20,82,95,361.82	30.52	68,24,934	1.839%		29.60	9,05,504.44	202018040.24	1.78%	
1.9	Construction of Sub grade - MCW	Cu.m.	8,51,218.89	RA			245.10	20,86,33,750.64	30.52	68,36,021	1.842%		28.53	7,95,722.92	195031688.34	1.72%	
1	**Total EarthWork upto Top of Subgrade**							**2,29,93,10,717.85**									
2	**Grannular Sub Base Courses and Base Courses**																
2.1	Constructing Grannular Sub-base	Cu.m.	2,76,822.05	4.1-A-(i)	532	800	1,332.00	36,87,26,967.47	30.52	1,20,81,580	3.256%	3.26%	27.70	2,51,246.08	334659774.36	2.96%	2.96%
2	**Grannular Sub Base Courses and Base Courses**							**36,87,26,967.47**									
3	**Shoulders**																
3.1	Earthwork in filling of median / island area	Cu.m.	94,271.87	3.16			143.00	1,34,80,877.62	30.52	4,41,710	0.119%		18.00	55,599.83	7950775.93	0.07%	
3.2	Construction of modified Earthen / un paved shoulders	Cu.m.	44,517.27	3.16			143.00	63,65,969.99	30.52	2,08,585	0.056%	0.71%	17.00	24,796.84	3545947.91	0.03%	0.40%
3.3	Providing min 200 mm dia NP4 pipes along the road in 2 Rows in shoulder	LM	60,788.77				1,000.00	6,07,88,772.23	30.52	19,91,784	0.537%		17.00	33,860.33	33860326.11	0.30%	
3	**Total Shoulders**							**8,06,35,619.84**									
4	**Rigid Pavement**																
4.01	Providing xxx mm thick DLC (M15) for CW	Cum	2,11,885.21	6.1	1723	624	2,347.00	49,72,94,596.62	30.52	1,62,94,183	4.391%	4.39%	27.34	1,89,809.53	445482957.11	3.93%	3.93%
4.02	Providing xxx mm thick PQC for CW	Cum	3,79,880.04	6.2	5813	600	6,413.00	2,43,61,70,669.22	30.52	7,98,22,726	21.512%	21.51%	20.54	2,55,661.75	1639558785.10	14.48%	14.48%
4	**Total Rigid Pavement**							**2,93,34,65,265.84**									
5	**Pipe Culverts**																
5.01	Culvert Excavation	Cum	9,197.48	12.1 -(I) A			97.00	8,92,155.55	42.00	21,242	0.008%		42.00	9,197.48	892155.55	0.01%	
5.02	Culvert PCC M15 grade	Cum	305.94	12.8 D (ii)	3931.00	608.00	4,539.00	13,88,655.22	42.00	33,063	0.012%	0.39%	42.00	305.94	1388655.22	0.01%	0.37%
5.03	Providing , laying and jointing NP4 (as per IS:458) Hume pipes for culverts, - Dia 1200 mm (Internal)	LM	6,861.30	9.2 B			6,149.00	4,21,90,154.03	42.00	10,04,527	0.373%		42.00	6,861.30	42190154.03	0.37%	
5.04	Finishing Work (10% cost of overall work)			10 % progress shall be deducted for Misc. work.				1,05,883.25	42.00				-26.00		-2752964.49	-0.02%	
5a	**Total Pipe Culverts**							**4,44,70,964.80**									
5a	**Box Culverts**																
5.01a	Culvert Excavation	Cum	51,243.10	12.1 -(I) A			97.00	49,70,580.90	52.00	95,588	0.044%		36.00	35,475.99	3441171.39	0.03%	
5.02a	Culvert PCC M15 grade	Cum	9,756.04	12.8 D (ii)	3931.00	608.00	4,539.00	4,42,82,671.94	52.00	8,51,590	0.391%		36.00	6,754.18	30657234.42	0.27%	
5.03a	Foundation RCC M 30 - Culvert	Cum	14,149.18	12.8.G. case II	3908.00	600.00	4,508.00	6,37,84,522.81	52.00	12,26,625	0.563%		36.00	9,795.59	44158515.79	0.39%	
5.04a	HYSD bar in Foundation-Culvert	MT	1,311.40	12.40			53,493.00	7,01,50,492.80	52.00	13,49,048	0.619%		36.00	907.89	48565725.78	0.43%	
5.05a	Substructre RCC M 30 - Culvert	Cum	14,966.54	13.5.G(q). case II			4,904.00	7,33,95,889.26	52.00	14,11,459	0.648%	3.67%	36.00	10,361.45	50812538.72	0.45%	2.50%
5.06a	HYSD bar in Substructure-Culvert	MT	1,437.63	13.6			53,658.00	7,71,40,577.49	52.00	14,83,473	0.681%		36.00	995.29	53405015.18	0.47%	
5.07a	Super Structure RCC M 30 - Culvert	Cum	7,425.09	14.1.C. case II (r)	4914	600	5,514.00	4,09,41,924.62	52.00	7,87,345	0.362%		36.00	5,140.44	28344409.35	0.25%	
5.08a	HYSD bar in Super Structure-Culvert	MT	756.39	14.2			54,788.00	4,14,41,216.38	52.00	7,96,946	0.366%		36.00	523.66	28690072.88	0.25%	
5.09a	Finishing Work (10% cost of overall work)	Nos.		10 % progress shall be deducted for Misc. work.				1,58,429.12	52.00				-28.00		-4436015.28	-0.04%	
5b	**Total Box Culverts**							**41,61,07,876.20**									
6A	**Bill No: 6A Minor Bridges**																
6A,01	Structure excavation Ordinary and soft Soils - MNBR	Cum	1,10,369.76	12.1 -(I) A			97.00	1,07,05,866.55	30.00	3,56,862	0.095%		30.00	1,10,369.76	10705866.55	0.09%	
6A,02	MNBR - PCC M15 grade	Cum	3,637.27	12.8 D (ii)	3931.00	608.00	4,539.00	1,65,09,567.59	30.00	5,50,319	0.146%		30.00	3,637.27	16509567.59	0.15%	

Construction of Eight Lane Vadodara Kim Expressway from Km. 323+000 to Km. 355+000 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on HAM Mode Project.

Item No,	Description	Unit	Quantity	SOR Item No. (year 2015-2016)	SOR Rate	Lead	SOR Rate(Rs) including Lead (year 2015-2016)	Amount(Rs)	Physical Progress Quantity Km/No	Rate in Rs.	Weightage in percentage to the Contract Price	Approved Weightage	Qty in Nos/km/m	Qty in cum/sqm/m	Amount (Rs.)	Physical Progress%	Physical Progress (Progressive) %
1	2	3	4	5	6	7	8 = 6+7	9 = 4x8	10	11 = 9/10	12	13	14a (Actual Qty. to be input here)	14 (=14a*4/10)	15	16	17
6A,03	MNBR - RCC M35 - Foundation	Cum	22,118.80	12.8.H Case II	3988	600	4,588.00	10,14,81,050.97	30.00	33,82,702	0.896%	3.52%	30.00	22,118.80	101481050.97	0.90%	3.52%
6A,04	HYSD bar reinforcement - Foundation	Mt	3,509.50	12.40			53,493.00	18,77,33,703.14	343.00	5,47,329	1.658%		343.00	3,509.50	187733703.14	1.66%	
6A,05	MNBR - RCC M35 Pile Cap	Cum	4,171.46	12.38.D.(ii)	4068	600	4,668.00	1,94,72,378.78	20.00	9,73,619	0.172%		20.00	4,171.46	19472378.78	0.17%	
6A,06	MNBR - RCC M35 1.2m dia piles	Rm	6,238.90	12.25	9325	678.6	10,003.60	6,24,11,470.46	313.00	1,99,398	0.551%		313.00	6,238.90	62411470.46	0.55%	
6A,07	MNBR - RCC M35- Substructure Abutment	Cum	11,845.22	13.5.H.(p). case II	4553	600	5,153.00	6,10,38,418.11	36.00	16,95,512	0.539%	1.45%	36.00	11,845.22	61038418.11	0.54%	1.45%
6A,08	HYSD bar reinforcement - substructure Abutment	Mt	1,293.41	13.6			53,658.00	6,94,01,555.15	36.00	19,27,821	0.613%		36.00	1,293.41	69401555.15	0.61%	
6A,09	MNBR - RCC M35 - Abutment Cap	Cum	2,858.36	13.5.H.(p). case II	4553	600	5,153.00	1,47,29,107.03	24.00	6,13,713	0.130%		24.00	2,858.36	14729107.03	0.13%	
6A,10	HYSD bar reinforcement - Abutment cap	Mt	358.25	13.6			53,658.00	1,92,22,732.90	24.00	8,00,947	0.170%		24.00	358.25	19222732.90	0.17%	
6A,11	RCC M35 - RCC Girder	Cum	76.46	14.01 D Case-1(ii)r	5930	600	6,530.00	4,99,291.76	64.00	7,801	0.004%	1.14%	64.00	76.46	499291.76	0.00%	0.71%
6A,12	PSC M45 - PSC Girder	Cum	1,729.60	14.01 F Case-1(ii)r	5823	600	6,423.00	1,11,09,241.74	162.00	68,576	0.098%		162.00	1,729.60	11109241.74	0.10%	
6A,13	PSC M50 - PSC Girder	Cum	1,351.70	14.01 G Case-1(i)r	7157	600	7,757.00	1,04,85,127.04	28.00	3,74,469	0.093%		21.00	1,013.77	7863845.28	0.07%	
6A,14	HYSD bar reinforcement - Super structure Girder	Mt	549.07	14.2			54,788.00	3,00,82,328.76	254.00	1,18,434	0.266%		247.00	533.94	29253288.20	0.26%	
6A,15	HT Steel for PSC Girder	Mt	184.77	14.3			1,44,570.00	2,67,12,109.36	190.00	1,40,590	0.236%		122.00	118.64	17151986.01	0.15%	
6A,16	RCC M35 - SLAB	Cum	3,402.52	14.01 D Case-1(ii)r	5930	600	6,530.00	2,22,18,483.48	18.00	12,34,360	0.196%		6.00	1,134.17	7406161.16	0.07%	
6A,17	HYSD bar reinforcement - SLAB	Mt	505.78	14.2			54,788.00	2,77,10,692.88	18.00	15,39,483	0.245%		6.00	168.59	9236897.63	0.08%	
6A.18	Finishing Work (10% cost of overall work)	Nos.	-	10 % progress shall be deducted for Misc. work.				2,77,384.31	18.00				-6.00		-1664305.88	-0.01%	
6A	**Total Bill No: 6A Minor Bridges**							**69,15,23,125.70**									
6B	**Bill No. 6B : PUP**																
6B,01	Structure excavation Ordinary and soft Soils - PUP	Cum	1,07,741.91	12.1 -(I) A			97.00	1,04,50,964.97	34.00	3,07,381	0.092%	3.11%	34.00	1,07,741.91	10450964.97	0.09%	3.11%
6B,02	PUP - PCC M15 grade Levelling course	Cum	6,322.73	12.8 D (ii)	3931	608	4,539.00	2,86,98,874.50	34.00	8,44,085	0.253%		34.00	6,322.73	28698874.50	0.25%	
6B,03	PUP - RCC M35 Raft	Cum	31,477.80	12.8.H Case II	3988	600	4,588.00	14,44,20,142.64	34.00	42,47,651	1.275%		34.00	31,477.80	144420142.64	1.28%	
6B,04	HYSD bar reinforcement - RAFT	Mt	3,147.44	13.6			53,658.00	16,88,85,439.06	34.00	49,67,219	1.491%		34.00	3,147.44	168885439.06	1.49%	
6B,05	PUP RCC M35 Wall	Cum	13,104.83	13.5.H.(p). case II	4553	600	5,153.00	6,75,29,211.04	68.00	9,93,077	0.596%	1.23%	68.00	13,104.83	67529211.04	0.60%	1.23%
6B,06	HYSD bar reinforcement - Wall	Mt	1,309.69	13.6			53,658.00	7,02,75,315.74	68.00	10,33,461	0.621%		68.00	1,309.69	70275315.74	0.62%	
6B,07	PUP - RCC M35 - TOP Slab	Cum	11,717.68	14.01 D Case-1(ii)r	5930	600	6,530.00	7,65,16,462.78	34.00	22,50,484	0.676%	1.24%	34.00	11,717.68	76516462.78	0.68%	1.19%
6B,08	HYSD bar reinforcement - TOP Slab	Mt	1,171.04	14.2			54,788.00	6,41,58,991.63	34.00	18,87,029	0.567%		34.00	1,171.04	64158991.63	0.57%	
6B,09	Finishing Work (10% cost of overall work)	Nos	-	10 % progress shall be deducted for Misc. work.				4,13,751.34	34.00				-14.00		-5792518.71	-0.05%	
6B	**TOTAL Bill No. 6B : PUP**							**63,09,35,402.36**									
6C	**Bill No. 6C : VUP**																
6C,01	Structure excavation Ordinary and soft Soils - VUP	Cum	19,708.89	12.1 -(I) A			97.00	19,11,761.88	5.00	3,82,352	0.017%	0.55%	5.00	19,708.89	1911761.88	0.02%	0.55%
6C,02	VUP - PCC M15 grade - Levelling course	Cum	1,053.79	12.8 D (ii)	3931	608	4,539.00	47,83,145.75	5.00	9,56,629	0.042%		5.00	1,053.79	4783145.75	0.04%	
6C,03	VUP - RCC M35 **- Raft**	Cum	5,577.31	12.8.H Case II	3988	600	4,588.00	2,55,88,702.89	5.00	51,17,741	0.226%		5.00	5,577.31	25588702.89	0.23%	
6C,04	**HYSD bar** reinforcement **- Raft**	Mt	558.30	13.6			53,658.00	2,99,57,505.82	5.00	59,91,501	0.265%		5.00	558.30	29957505.82	0.26%	
6C,05	VUP - RCC M35 **- WALL**	Cum	4,117.97	13.5.H.(p). case II	4553	600	5,153.00	2,12,19,899.96	10.00	21,21,990	0.187%	0.37%	10.00	4,117.97	21219899.96	0.19%	0.3825%
6C,06	**HYSD bar reinforcement - WALL**	Mt	411.75	13.6			53,658.00	2,20,93,660.54	10.00	22,09,366	0.195%		10.00	411.75	22093660.54	0.20%	
6C,07	RCC M35 **- TOP SLAB**	Cum	1,490.99	14.01 D Case-1(ii)r	5930	600	6,530.00	97,36,189.39	5.00	19,47,238	0.086%	0.16%	5.00	1,490.99	9736189.39	0.09%	0.15%
6C,08	**HYSD bar reinforcement - TOP Slab**	Mt	148.09	14.2			54,788.00	81,13,491.16	5.00	16,22,698	0.072%		5.00	148.09	8113491.16	0.07%	
6C,09	Finishing Work (10% cost of overall work)	Nos.	-	10 % progress shall be deducted for Misc. work.				3,56,993.61	5.00				-3.00		-1070980.83	-0.01%	
6C	**TOTAL TOTAL Bill No. 6C : VUP**							**12,34,04,357.39**									
6D	**Bill No. 6D : LVUP**																
6D,01	Structure excavation Ordinary and soft Soils - LVUP	Cum	23,650.66	12.1 -(I) A			97.00	22,94,114.26	8.00	2,86,764	0.020%	0.69%	8.00	23,650.66	2294114.26	0.02%	0.69%
6D,02	LVUP - PCC M15 grade levelling course	Cum	1,359.73	12.8 D (ii)	3931	608	4,539.00	61,71,800.97	8.00	7,71,475	0.054%		8.00	1,359.73	6171800.97	0.05%	
6D,03	LVUP - RCC M35 Raft	Cum	6,937.63	12.8.H Case II	3988	600	4,588.00	3,18,29,849.93	8.00	39,78,731	0.281%		8.00	6,937.63	31829849.93	0.28%	
6D,04	**HYSD bar** reinforcement - Raft	Mt	695.55	13.6			53,658.00	3,73,22,059.33	8.00	46,65,257	0.330%		8.00	695.55	37322059.33	0.33%	
6D,05	LVUP - RCC M35 - **Wall**	Cum	4,021.08	13.5.H.(p). case II	4553	600	5,153.00	2,07,20,608.19	16.00	12,95,038	0.183%	0.37%	16.00	4,021.08	20720608.19	0.18%	0.37%

Construction of Eight Lane Vadodara Kim Expressway from Km. 323+000 to Km. 355+000 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on HAM Mode Project.

Item No,	Description	Unit	Quantity	SOR Item No. (year 2015-2016)	SOR Rate	Lead	SOR Rate(Rs) including Lead (year 2015-2016)	Amount(Rs)	Physical Progress Quantity Km/No	Rate in Rs.	Weightage in percentage to the Contract Price	Approved Weightage	Qty in Nos/km/m	Qty in cum/sqm/m	Amount (Rs.)	Physical Progress%	Physical Progress (Progressive) %
1	2	3	4	5	6	7	8 = 6+7	9 = 4x8	10	11 = 9/10	12	13	14a (Actual Qty. to be input here)	14 (=14a*4/10)	15	16	17
6D,06	**HYSD bar reinforcement - WALL**	Mt	402.44	13.6			53,658.00	2,15,94,368.78	16.00	13,49,648	0.191%		16.00	402.44	21594368.78	0.19%	
6D,07	LVUP - RCC M35 - **Top Slab**	Cum	1,815.95	14.01 D Case-1(ii)r	5930	600	6,530.00	1,18,58,179.39	8.00	14,82,272	0.105%	0.19%	8.00	1,815.95	11858179.39	0.10%	0.19%
6D,08	**HYSD bar reinforcement - TOP Slab**	Mt	179.98	14.2			54,788.00	98,61,012.33	8.00	12,32,627	0.087%		8.00	179.98	9861012.33	0.09%	
6D,09	Finishing Work (10% cost of overall work)	Nos		10 % progress shall be deducted for Misc. work.				2,71,489.90	8.00				-2.00		-542979.79	0.00%	
6D	**TOTAL Bill No. 6D : LVUP**							**14,16,51,993.18**									
6E	**Bill No. 6E : VOP**																
6E,01	Structure Excavation for foundation of VOP	Cum	2,627.85	12.1 -(I) A			97.00	2,54,901.58	6.00	42,484	0.002%	0.28%	6.00	2,627.85	254901.58	0.00%	0.28%
6E,02	Foundation PCC M15 grade for levelling course	Cum	101.98	12.8 D (ii)	3931	608	4,539.00	4,62,885.07	6.00	77,148	0.004%		6.00	101.98	462885.07	0.00%	
6E,03	RCC M35 - Foundation	Cum	544.13	12.8.H Case II	3988	600	4,588.00	24,96,458.82	6.00	4,16,076	0.022%		6.00	544.13	2496458.82	0.02%	
6E,04	**HYSD bar reinforcement - Foundation**	Mt	267.52	13.6			53,658.00	1,43,54,638.21	41.00	3,50,113	0.127%		41.00	267.52	14354638.21	0.13%	
6E,05	RCC M35 Pile Cap	Cum	641.76	12.38.D.(ii)	4068	600	4,668.00	29,95,750.58	6.00	4,99,292	0.026%		6.00	641.76	2995750.58	0.03%	
6E,06	RCC M35 1.2m dia piles	Rm	1,135.48	12.25	9325	678.6	10,003.60	1,13,58,887.62	35.00	3,24,540	0.100%		35.00	1,135.48	11358887.62	0.10%	
6E,07	RCC M35 - **ABUTMENT/Return Wall**	Cum	145.34	13.5.H.(p). case II	4553	600	5,153.00	7,48,937.65	4.00	1,87,234	0.007%	0.05%	4.00	145.34	748937.65	0.01%	0.04%
6E,08	**HYSD bar** reinforcement - **ABUTMENT/Return Wall**	Mt	18.61	13.6			53,658.00	9,98,583.53	4.00	2,49,646	0.009%		4.00	18.61	998583.53	0.01%	
6E,09	RCC M35 **- ABUTMENT CAP**	Cum	121.12	13.5.H.(p). case II	4553	600	5,153.00	6,24,114.70	4.00	1,56,029	0.006%		4.00	121.12	624114.70	0.01%	
6E,10	**HYSD bar** reinforcement - **ABUTMENT CAP**	Mt	18.61	13.6			53,658.00	9,98,583.53	4.00	2,49,646	0.009%		4.00	18.61	998583.53	0.01%	
6E,11	RCC M35 **- PIER**	Cum	72.67	13.5.H.(p). case II	4553	600	5,153.00	3,74,468.82	2.00	1,87,234	0.003%		2.00	72.67	374468.82	0.00%	
6E,12	**HYSD bar** reinforcement **- PIER**	Mt	9.31	13.6			53,658.00	4,99,291.76	2.00	2,49,646	0.004%		2.00	9.31	499291.76	0.00%	
6E,13	**RCC M35 - PIER CAP**	Cum	121.12	13.5.H.(p). case II	4553	600	5,153.00	6,24,114.70	2.00	3,12,057	0.006%		1.00	60.56	312057.35	0.00%	
6E,14	**HYSD bar** reinforcement **-PIER CAP**	Mt	18.61	13.6			53,658.00	9,98,583.53	2.00	4,99,292	0.009%		1.00	9.31	499291.76	0.00%	
6E,15	**HYSD bar reinforcement - Super structure Girder**	Mt	159.48	14.2			54,788.00	87,37,605.86	16.00	5,46,100	0.077%	0.21%	8.00	79.74	4368802.93	0.04%	0.07%
6E,16	**HT Steel for PSC** - Girder	Mt	56.12	14.3			1,44,570.00	81,13,491.16	16.00	5,07,093	0.072%		8.00	28.06	4056745.58	0.04%	
6E,17	PSC M50 / Steel Girder & Slab	Cum	933.32	14.01 G Case-1(i)r	7157	600	7,757.00	72,39,730.57	16.00	4,52,483	0.064%		0.00	-	0.00	0.00%	
6E,18	Finishing Work (10% cost of overall work)	Nos	-	10 % progress shall be deducted for Misc. work.				3,83,830.54	4.00				0.00		0.00	0.00%	
6E	**Total Bill No. 6E : VOP**							**6,18,81,027.69**									
6F	**Bill No: 6F Flyover**																
6F,01	Structure excavation Ordinary and soft Soils - Flyover	Cum	2,627.85	12.1 -(I) A			97.00	2,54,901.58	8.00	31,863	0.002%	0.63%	8.00	2,627.85	254901.58	0.00%	0.63%
6F,02	Flyover - PCC M15 grade - levelling course under fdn.	Cum	101.98	12.8 D (ii)	3931	608	4,539.00	4,62,885.07	8.00	57,861	0.004%		8.00	101.98	462885.07	0.00%	
6F,03	HYSD bar reinforcement - Foundation	Mt	602.50	13.6			53,658.00	3,23,29,141.70	100.00	3,23,291	0.285%		100.00	602.50	32329141.70	0.29%	
6F,04	RCC M35 Pile Cap	Cum	1,925.29	12.38.D.(ii)	4068	600	4,668.00	89,87,251.75	8.00	11,23,406	0.079%		8.00	1,925.29	8987251.75	0.08%	
6F,05	RCC M35 1.2m dia piles	Rm	2,907.33	12.25	9325	678.6	10,003.60	2,90,83,745.23	92.00	3,16,128	0.257%		92.00	2,907.33	29083745.23	0.26%	
6F,06	RCC M35 - ABUTMENT	Cum	436.02	13.5.H.(p). case II	4553	600	5,153.00	22,46,812.94	4.00	5,61,703	0.020%	0.19%	4.00	436.02	2246812.94	0.02%	0.19%
6F,07	HYSD bar reinforcement - ABUTMENT	Mt	51.18	13.6			53,658.00	27,46,104.70	4.00	6,86,526	0.024%		4.00	51.18	2746104.70	0.02%	
6F,08	RCC M35 - ABUTMENT CAP	Cum	363.35	13.5.H.(p). case II	4553	600	5,153.00	18,72,344.11	4.00	4,68,086	0.017%		4.00	363.35	1872344.11	0.02%	
6F,09	HYSD bar reinforcement - Abutment cap	Mt	60.48	13.6			53,658.00	32,45,396.46	4.00	8,11,349	0.029%		4.00	60.48	3245396.46	0.03%	
6F,10	RCC M35 - Pier Substructure	Cum	387.57	13.5.H.(p). case II	4553	600	5,153.00	19,97,167.05	4.00	4,99,292	0.018%		4.00	387.57	1997167.05	0.02%	
6F,11	HYSD bar reinforcement - Pier Substructure	Mt	58.16	13.6			53,658.00	31,20,573.52	4.00	7,80,143	0.028%		4.00	58.16	3120573.52	0.03%	
6F,12	RCC M35 - Pier CAP	Cum	460.24	13.5.H.(p). case II	4553	600	5,153.00	23,71,635.88	4.00	5,92,909	0.021%		4.00	460.24	2371635.88	0.02%	
6F,13	HYSD bar reinforcement - Pier CAP	Mt	76.77	13.6			53,658.00	41,19,157.05	4.00	10,29,789	0.036%		4.00	76.77	4119157.05	0.04%	
6F,14	RCC M35 - RCC Girder	Cum	420.54	14.01 D Case-1(ii)r	5930	600	6,530.00	27,46,104.70	28.00	98,075	0.024%	0.30%	28.00	420.54	2746104.70	0.02%	0.19%
6F,15	PSC M45/M50 - Girder	Cum	514.93	14.01 G Case-1(i)r	7157	600	7,757.00	39,94,334.11	14.00	2,85,310	0.035%		14.00	514.93	3994334.11	0.04%	
6F,16	HYSD bar reinforcement - Girder	Mt	182.26	14.2			54,788.00	99,85,835.27	42.00	2,37,758	0.088%		42.00	182.26	9985835.27	0.09%	
6F,17	HT Steel for PSC - Girder	Mt	31.08	14.3			1,44,570.00	44,93,625.87	14.00	3,20,973	0.040%		14.00	31.08	4493625.87	0.04%	
6F,18	RCC M35 - SLAB	Cum	821.96	14.01 D Case-1(ii)r	5930	600	6,530.00	53,67,386.46	6.00	8,94,564	0.047%		0.00	-	0.00	0.00%	

Construction of Eight Lane Vadodara Kim Expressway from Km. 323+000 to Km. 355+000 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on HAM Mode Project.

Item No,	Description	Unit	Quantity	SOR Item No. (year 2015-2016)	SOR Rate	Lead	SOR Rate(Rs) including Lead (year 2015-2016)	Amount(Rs)	Physical Progress Quantity Km/No	Rate in Rs.	Weightage in percentage to the Contract Price	Approved Weightage	Qty in Nos/km/m	Qty in cum/sqm/m	Amount (Rs.)	Physical Progress%	Physical Progress (Progressive) %
1	2	3	4	5	6	7	8 = 6+7	9 = 4x8	10	11 = 9/10	12	13	14a (Actual Qty. to be input here)	14 (=14a*4/10)	15	16	17
6F,19	HYSD bar reinforcement - SLAB	Mt	129.86	14.2			54,788.00	71,14,907.63	6.00	11,85,818	0.063%		0.00	-	0.00	0.00%	
6F,20	Finishing Work (10% cost of overall work)	Nos		10 % progress shall be deducted for Misc. work.				2,08,038.23	6.00				0.00		0.00	0.00%	
6F	**Total Bill No: 6F Flyover**							**12,65,39,311.08**									
6G	**Bill No: 6G Major Bridges**																
6G,01	Structure excavation Ordinary and soft Soils - MJB	Cum	7,883.55	12.1 -(I) A			97.00	7,64,704.75	14.00	54,622	0.007%		14.00	7,883.55	764704.75	0.01%	
6G,02	Major Bridge PCC M15 grade - Levelling course	Cum	305.94	12.8 D (ii)	3931	608	4,539.00	13,88,655.22	14.00	99,190	0.012%	1.68%	14.00	305.94	1388655.22	0.01%	1.68%
6G,03	HYSD bar reinforcement - Foundation	Mt	1,770.29	13.6			53,658.00	9,49,90,258.04	242.00	3,92,522	0.839%		242.00	1,770.29	94990258.04	0.84%	
6G,04	RCC M35 Pile Cap	Cum	3,716.88	12.38.D.(ii)	4068	600	4,668.00	1,73,50,388.79	14.00	12,39,313	0.153%		14.00	3,716.88	17350388.79	0.15%	
6G,05	RCC M35 1.2m dia piles	Rm	7,736.24	12.25	9325	678.6	10,003.60	7,73,90,223.37	228.00	3,39,431	0.683%		228.00	7,736.24	77390223.37	0.68%	
6G,06	RCC M35 - Abutment substructure	Cum	1,114.27	13.5.H.(p). case II	4553	600	5,153.00	57,41,855.28	4.00	14,35,464	0.051%		4.00	1,114.27	5741855.28	0.05%	
6G,07	HYSD bar reinforcement - Abutment Substructure	Mt	141.90	13.6			53,658.00	76,14,199.40	4.00	19,03,550	0.067%		4.00	141.90	7614199.40	0.07%	
6G,08	RCC M35 - ABUTMENT CAP	Cum	193.79	13.5.H.(p). case II	4553	600	5,153.00	9,98,583.53	4.00	2,49,646	0.009%		0.00	-	0.00	0.00%	
6G,09	HYSD bar reinforcement - ABUTMENT CAP	Mt	27.92	13.6			53,658.00	14,97,875.29	4.00	3,74,469	0.013%		0.00	-	0.00	0.00%	
6G,10	RCC M35 - Pier Substructure	Cum	2,204.33	13.5.H.(p). case II	4553	600	5,153.00	1,13,58,887.62	10.00	11,35,889	0.100%	0.57%	9.00	1,983.89	10222998.86	0.09%	0.45%
6G,11	HYSD bar reinforcement - Pier Substructure	Mt	330.33	13.6			53,658.00	1,77,24,857.61	10.00	17,72,486	0.157%		9.00	297.30	15952371.85	0.14%	
6G,12	RCC M35 - Pier CAP	Cum	1,453.40	13.5.H.(p). case II	4553	600	5,153.00	74,89,376.46	10.00	7,48,938	0.066%		6.00	872.04	4493625.87	0.04%	
6G,13	HYSD bar reinforcement - Pier CAP	Mt	218.67	13.6			53,658.00	1,17,33,356.45	10.00	11,73,336	0.104%		6.00	131.20	7040013.87	0.06%	
6G,14	PSC M45/M50 - Girder	Cum	3,121.78	14.01 G Case-1(i)r	7157	600	7,757.00	2,42,15,650.54	84.00	2,88,282	0.214%		65.00	2,415.66	18738301.01	0.17%	
6G,15	HYSD bar reinforcement -Girder	Mt	469.33	14.2			54,788.00	2,57,13,525.83	84.00	3,06,113	0.227%		65.00	363.17	19897371.18	0.18%	
6G,16	HT Steel for PSC -Girder	Mt	187.36	14.3			1,44,570.00	2,70,86,578.18	84.00	3,22,459	0.239%	1.02%	20.00	44.61	6449185.28	0.06%	0.40%
6G,17	RCC M35 - SLAB	Cum	2,580.57	14.01 D Case-1(ii)r	5930	600	6,530.00	1,68,51,097.02	12.00	14,04,258	0.149%		0.00	-	0.00	0.00%	
6G,18	HYSD bar reinforcement - SLAB	Mt	398.70	14.2			54,788.00	2,18,44,014.66	12.00	18,20,335	0.193%		0.00	-	0.00	0.00%	
6G,19	Finishing Work (10% cost of overall work)	Nos.	-	10 % progress shall be deducted for Misc. work.				3,22,459.26	12.00				0.00		0.00	0.00%	
6G	**Total Bill No: 6G Major Bridges**							**37,17,54,088.04**									
6H	**Bill No. 6H : ROB**																
6H,01	Structural Excavation in ROB foundation	Cum	5,255.70	12.1 -(I) A			97.00	5,09,803.17	6.00	84,967	0.005%		6.00	5,255.70	509803.17	0.00%	
6H,02	ROB - Foundation PCC M15 grade Levelling course	Cum	237.95	12.8 D (ii)	3931	608	4,539.00	10,80,065.17	6.00	1,80,011	0.010%	0.85%	6.00	237.95	1080065.17	0.01%	0.85%
6H,03	**HYSD bar reinforcement - Foundation**	Mt	814.19	13.6			53,658.00	4,36,88,029.32	86.00	5,08,000	0.386%		86.00	814.19	43688029.32	0.39%	
6H,04	RCC M35 Pile Cap	Cum	2,700.75	12.38.D.(ii)	4068	600	4,668.00	1,26,07,117.03	6.00	21,01,186	0.111%		6.00	2,700.75	12607117.03	0.11%	
6H,05	RCC M35 1.2m dia piles	Rm	3,855.64	12.25	9325	678.6	10,003.60	3,85,70,288.74	80.00	4,82,129	0.341%		80.00	3,855.64	38570288.74	0.34%	
6H,06	RCC M35 - **ABUTMENT/Return Wall**	Cum	2,058.99	13.5.H.(p). case II	4553	600	5,153.00	1,06,09,949.98	4.00	26,52,487	0.094%		4.00	2,058.99	10609949.98	0.09%	
6H,07	**HYSD bar** reinforcement -**ABUTMENT/Return Wall**	Mt	304.74	13.6			53,658.00	1,63,51,805.26	4.00	40,87,951	0.144%		4.00	304.74	16351805.26	0.14%	
6H,08	RCC M35 - **ABUTMENT CAP**	Cum	387.57	13.5.H.(p). case II	4553	600	5,153.00	19,97,167.05	4.00	4,99,292	0.018%		2.00	193.79	998583.53	0.01%	
6H,09	**HYSD bar** reinforcement - **ABUTMENT CAP**	Mt	65.14	13.6			53,658.00	34,95,042.35	4.00	8,73,761	0.031%	0.36%	2.00	32.57	1747521.17	0.02%	0.29%
6H,10	RCC M35 **- PIER**	Cum	218.01	13.5.H.(p). case II	4553	600	5,153.00	11,23,406.47	2.00	5,61,703	0.010%		2.00	218.01	1123406.47	0.01%	
6H,11	**HYSD bar** reinforcement **- PIER**	Mt	32.57	13.6			53,658.00	17,47,521.17	2.00	8,73,761	0.015%		2.00	32.57	1747521.17	0.02%	
6H,12	RCC M35 **- PIER CAP**	Cum	266.46	13.5.H.(p). case II	4553	600	5,153.00	13,73,052.35	2.00	6,86,526	0.012%		0.00	-	0.00	0.00%	
6H,13	**HYSD bar reinforcement - Pier CAP**	Mt	46.53	13.6			53,658.00	24,96,458.82	2.00	12,48,229	0.022%		0.00	-	0.00	0.00%	
6H,14	RCC M35 **- SLAB**	Cum	740.22	14.01 G Case-1(i)r	7157	600	7,757.00	57,41,855.28	4.00	14,35,464	0.051%		0.00	-	0.00	0.00%	
6H,15	**HYSD bar** reinforcement - SLAB	Mt	111.64	14.2			54,788.00	61,16,324.10	4.00	15,29,081	0.054%	1.28%	0.00	-	0.00	0.00%	0.47%
6H,16	Providing and Fixing **Steel Girder** for Superstructure as per Technical Specification	Mt	1,543.86	Quotation			86,250.00	13,31,58,157.04	40.00	33,28,954	1.176%		16.00	617.55	53263262.82	0.47%	
6H,17	Finishing Work (10% cost of overall work)	Nos.	-	10 % progress shall be deducted for Misc. work.				12,08,469.47	4.00				0.00		0.00	0.00%	
6H	**Total Bill No. 6H : ROB**							**28,06,66,043.30**									
6I	**Bill No. 6I : Interchange**																

Dated 28.02.2021

Construction of Eight Lane Vadodara Kim Expressway from Km. 323+000 to Km. 355+000 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on HAM Mode Project.

Item No,	Description	Unit	Quantity	SOR Item No. (year 2015-2016)	SOR Rate	Lead	SOR Rate(Rs) including Lead (year 2015-2016)	Amount(Rs)	Physical Progress Quantity Km/No	Rate in Rs.	Weightage in percentage to the Contract Price	Approved Weightage	Qty in Nos/km/m	Qty in cum/sqm/m	Amount (Rs.)	Physical Progress%	Physical Progress (Progressive) %
1	2	3	4	5	6	7	8 = 6+7	9 = 4x8	10	11 = 9/10	12	13	14a (Actual Qty. to be input here)	14 (=14a*4/10)	15	16	17
6I,01	Structure Excavation for foundation of Interchange	Cum	31,534.22	12.1 -(I) A			97.00	30,58,819.02	24.00	1,27,451	0.027%	5.24%	24.00	31,534.22	3058819.02	0.03%	5.24%
6I,02	Foundation PCC M15 grade for levelling course	Cum	1,291.74	12.8 D (ii)	3931	608	4,539.00	58,63,210.92	24.00	2,44,300	0.052%		24.00	1,291.74	5863210.92	0.05%	
6I,03	**HYSD bar reinforcement - Foundation**	Mt	4,994.50	13.6			53,658.00	26,79,94,854.15	304.00	8,81,562	2.366%		304.00	4,994.50	267994854.15	2.37%	
6I,04	RCC M35 Pile Cap	Cum	15,268.62	12.38.D.(ii)	4068	600	4,668.00	7,12,73,899.26	24.00	29,69,746	0.629%		24.00	15,268.62	71273899.26	0.63%	
6I,05	RCC M35 1.2m dia piles	Rm	24,518.88	12.25	9325	678.6	10,003.60	24,52,77,078.90	280.00	8,75,990	2.166%		280.00	24,518.88	245277078.90	2.17%	
6I,06	RCC M35 - **ABUTMENT/Return Wall**	Cum	4,214.86	13.5.H.(p). case II	4553	600	5,153.00	2,17,19,191.72	26.00	8,35,354	0.192%	1.24%	26.00	4,214.86	21719191.72	0.19%	1.24%
6I,07	**HYSD bar** reinforcement - **ABUTMENT/Return Wall**	Mt	502.47	13.6			53,658.00	2,69,61,755.24	26.00	10,36,991	0.238%		26.00	502.47	26961755.24	0.24%	
6I,08	RCC M35 **- ABUTMENT CAP**	Cum	702.48	13.5.H.(p). case II	4553	600	5,153.00	36,19,865.29	8.00	4,52,483	0.032%		8.00	702.48	3619865.29	0.03%	
6I,09	**HYSD bar** reinforcement **- ABUTMENT CAP**	Mt	113.99	13.6			53,658.00	61,16,324.10	8.00	7,64,541	0.054%		8.00	113.99	6116324.10	0.05%	
6I,10	RCC M35 **- PIER**	Cum	3,851.51	13.5.H.(p). case II	4553	600	5,153.00	1,98,46,847.61	54.00	3,67,534	0.175%		54.00	3,851.51	19846847.61	0.18%	
6I,11	**HYSD bar** reinforcement **- PIER**	Mt	535.04	13.6			53,658.00	2,87,09,276.41	54.00	5,31,653	0.254%		54.00	535.04	28709276.41	0.25%	
6I,12	RCC M35 **- PIER CAP**	Cum	2,349.67	13.5.H.(p). case II	4553	600	5,153.00	1,21,07,825.27	16.00	7,56,739	0.107%		16.00	2,349.67	12107825.27	0.11%	
6I,13	**HYSD bar reinforcement - Pier CAP**	Mt	388.49	13.6			53,658.00	2,08,45,431.13	16.00	13,02,839	0.184%		16.00	388.49	20845431.13	0.18%	
6I,14	RCC M35 - RCC Girder	Cum	273.56	14.01 G Case-1(i)r	7157	600	7,757.00	21,21,990.00	130.00	16,323	0.019%	1.39%	130.00	273.56	2121990.00	0.02%	0.85%
6I,15	PSC M45/M50 - PSC Girder	Cum	2,526.39	14.01 G Case-1(i)r	7157	600	7,757.00	1,95,97,201.72	16.00	12,24,825	0.173%		14.00	2,210.59	17147551.51	0.15%	
6I,16	**HYSD bar** reinforcement **Girder**	Mt	795.12	14.2			54,788.00	4,35,63,206.38	146.00	2,98,378	0.385%		146.00	795.12	43563206.38	0.38%	
6I,17	**HT Steel for PSC Girder**	Mt	260.75	14.3			1,44,570.00	3,76,96,528.16	16.00	23,56,033	0.333%		14.00	228.16	32984462.14	0.29%	
6I,18	RCC M35 - SLAB	Cum	2,637.91	14.01 D Case-1(ii)r	5930	600	6,530.00	1,72,25,565.85	20.00	8,61,278	0.152%		0.00	-	0.00	0.00%	
6I,19	PSC M45/M50 - SLAB	Cum	1,818.36	14.01 G Case-1(i)r	7157	600	7,757.00	1,41,04,992.32	20.00	7,05,250	0.125%		0.00	-	0.00	0.00%	
6I,20	**HYSD bar** reinforcement - SLAB	Mt	414.65	14.2			54,788.00	2,27,17,775.25	20.00	11,35,889	0.201%		0.00	-	0.00	0.00%	
6I,21	Finishing Work (10% cost of overall work)	Nos	-	10 % progress shall be deducted for Misc. work.				2,70,241.67	20.00				0.00		0.00	0.00%	
6I	**Total Bill No. 6I : Interchange**							**89,04,21,638.70**									
7	**Reinforced Earth Wall**																
7.01	PCC For RE Wall Foundation	Cum	547.47	12.8 D (ii)	3931	608	4,539.00	24,84,961.97	565.20	4,397	0.022%	0.81%	450.00	435.88	1978472.90	0.02%	0.31%
7.02	Providing RCC Facia Panel / Block	Sqm	25,463.88	7.5 (i)			915.00	2,32,99,450.15	23,550.00	989	0.206%		14,545.00	15,727.05	14390254.88	0.13%	
7.03	Filter media behind RE walls	Cum	15,276.24	13.1			586.00	89,51,875.20	14,130.00	634	0.079%		9,254	10,004.69	5862749.69	0.05%	
7.04	Construction of embankment with Reinforced Earth	Cum	1,51,009.10	RA			245.10	3,70,12,330.39	6,77,290	55	0.327%		2,40,000	53,510.58	13115444.34	0.12%	
7.05	RCC crash barrier with friction slab M 40	Rmt	3,412.73	14.1 Case-ii (ii-p)	5170	544	5,714.00	1,95,00,349.01	9,420.00	2,070	0.172%		-	-	0.00	0.00%	
7	**Total Amount Reinforced Earth Wall**							**9,12,48,966.72**								0.00%	
8	**Service roads/ Slip Roads**																
8.01	Construction of Subgrade	Cum	35,854.12	RA			245.10	87,87,843.81	4.385	20,04,069	0.078%	0.86%	0.00	-	0.00	0.00%	0.00%
8.02	Construction of GSB	Cum	14,337.77	4.1-A-(i)	532	800	1,332.00	1,90,97,909.96	4.385	43,55,282	0.169%		0.00	-	0.00	0.00%	
8.03	Constructing Wet Mix Macadam base	Cu.m.	17,857.62	4.12	584	800	1,384.00	2,47,14,942.30	4.385	56,36,247	0.218%		0.00	-	0.00	0.00%	
8.04	Primer coat - Connecting road	Sqm	65,696.28	5.1			19.00	12,48,229.41	4.385	2,84,659	0.011%		0.00	-	0.00	0.00%	
8.05	Tack coat -1 - Connecting road	Sqm	71,327.39	5.2			7.00	4,99,291.76	4.385	1,13,864	0.004%		0.00	-	0.00	0.00%	
8.06	Tack coat -2 - Connecting road	Sqm	71,327.39	5.2			7.00	4,99,291.76	4.385	1,13,864	0.004%		0.00	-	0.00	0.00%	
8.07	Dense Bituminous Macadam course-Connecting road	Cu.m.	3,928.72	5.6(b)	5433	600	6,033.00	2,37,01,953.48	4.385	54,05,235	0.209%		0.00	-	0.00	0.00%	
8.08	Bituminous Concrete - Connecting Road	Cu.m.	2,624.02	5.8(ii)	6517	600	7,117.00	1,86,75,155.33	4.385	42,58,872	0.165%			-	0.00	0.00%	
8	**Total Service roads/ Slip Roads**							**9,72,24,617.81**									
9	**Bill No.9: Toll Plaza**																
9.01	Clearing and grubbing - Toll Plaza	Hec	5.47	2.3 (ii) A			22,950.00	1,25,644.14	9.00	13,960	0.001%	2.42%	7.00	4.26	97723.22	0.00%	0.17%
9.02	Construction of embankment - Toll Plaza	Cum	1,09,110.96	RA			223.10	2,43,42,655.70	9.00	27,04,740	0.215%		7.00	84,864.08	18933176.65	0.17%	
9.03	Construction of Subgrade - Toll Plaza	cum	36,661.28	RA			245.10	89,85,680.55	9.00	9,98,409	0.079%		0.00	-	0.00	0.00%	
9.04	Constructing Grannular Sub-base - Toll Plaza	Cu.m.	14,525.19	4.1-A-(i)	532	800	1,332.00	1,93,47,555.84	9.00	21,49,728	0.171%		0.00	-	0.00	0.00%	
9.05	Providing xxx mm thick DLC (M15) for Toll plaza	cum	10,424.07	6.1	1723	624	2,347.00	2,44,65,296.42	9.00	27,18,366	0.216%		0.00	-	0.00	0.00%	
9.06	Providing xxx mm thick PQC for Toll plaza	cum	20,893.29	6.2	5813	600	6,413.00	13,39,88,698.27	9.00	1,48,87,633	1.183%		0.00	-	0.00	0.00%	
9.07	Providing and fixing of Tool booth	Nos.	44.94	Lamsum			1,00,000.00	44,93,625.87	9.00	4,99,292	0.040%		0.00	-	0.00	0.00%	

Construction of Eight Lane Vadodara Kim Expressway from Km. 323+000 to Km. 355+000 (Sanpa to Padra section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on HAM Mode Project.

Item No,	Description	Unit	Quantity	SOR Item No. (year 2015-2016)	SOR Rate	Lead	SOR Rate(Rs) including Lead (year 2015-2016)	Amount(Rs)	Physical Progress Quantity Km/No	Rate in Rs.	Weightage in percentage to the Contract Price	Approved Weightage	Qty in Nos/km/m	Qty in cum/sqm/m	Amount (Rs.)	Physical Progress%	Physical Progress (Progressive) %
1	2	3	4	5	6	7	8 = 6+7	9 = 4x8	10	11 = 9/10	12	13	14a (Actual Qty. to be input here)	14 (=14a*4/10)	15	16	17
9.08	Roof over Toll plaza	Sq.m	3,571.86	Lamsum			6,500.00	2,32,17,067.01	9.00	25,79,674	0.205%		0.00	-	0.00	0.00%	
9.09	Operation & Office building at toll plaza	Sq.m	2.01	Lamsum			20,00,000.00	40,23,419.07	2.00	20,11,710	0.036%		0.00	-	0.00	0.00%	
9.10	Toll plaza sign boards	LS	9.00	Lamsum			15,00,000.00	1,35,04,647.88	9.00	15,00,516	0.119%		0.00	-	0.00	0.00%	
9.11	Toll Plaza Facilities	LS	9.00	Lamsum			20,00,000.00	1,80,08,985.07	9.00	20,00,998	0.159%		0.00	-	0.00	0.00%	
9	**Total Toll Plaza**							**27,45,03,275.82**									
10	**DRAINAGE**																
10.01	Drain Excavation	Cu.m.	80,149.47	12.1 -(I) A			97.00	77,74,498.33	30.52	2,54,737	0.069%		18.50	48,583.77	4712625.69	0.04%	
10.02	Drain Lining	cum	11,999.59	12.8 D (ii)	3931	608	4,539.00	5,44,66,143.54	30.52	17,84,619	0.481%		18.13	7,128.25	32355139.27	0.29%	
10.03	RCC M 20 Grade Dain	Cum	4,802.48	12.8 E (case-ii)	3895	608	4,503.00	2,16,25,574.51	30.52	7,08,576	0.191%		18.00	2,832.42	12754369.73	0.11%	
10.04	HYSD bar reinforcement	Mt	200.06	13.6			53,658.00	1,07,34,772.92	30.52	3,51,732	0.095%	1.20%	18.00	117.99	6331173.43	0.06%	0.618%
10.05	Construction of chute lined drain in shoulder	L.M.	23,466.71	Lamsum			1,500.00	3,52,00,069.34	30.52	11,53,353	0.311%		12.00	9,226.83	13840239.59	0.12%	
10.06	Construction of energy dissipation basin and sumps	Nos.	1,043.97	Lamsum			5,500.00	57,41,855.28	30.52	1,88,136	0.051%		0.00	-	0.00	0.00%	
10	**Total : DRAINAGE**							**13,55,42,913.92**									
11	**Bill No. 11: Traffic signs, Road markings and other road appurtunences**																
11.01a	Providing Kerb M-20 grade	L.M.	63,846.22	8.1 (B)			175.00	1,11,73,087.96	30.52	3,66,094	0.099%		17.00	35,563.37	6223590.11	0.05%	
11.04a	Painting on Kerbs	Sq.m	34,042.62	14.16			44.00	14,97,875.29	30.52	49,079	0.013%	0.68%	0.00	-	0.00	0.00%	0.05%
11.02a	Supplying & Fixing Sign Boards	KM	31.97	Lamsum			12,00,000.00	3,83,62,250.51	32.00	11,98,820	0.339%		0.00	-	0.00	0.00%	
11.03a	Pavement marking	Sq.m	67,404.39	8.13			383.00	2,58,15,880.64	32.00	8,06,746	0.228%		0.00	-	0.00	0.00%	
11	**Traffic signs, Road markings and other road appurtunences**							**7,68,49,094.40**									
11.04	Providing and erecting " Thrie " metal beam crash barrier	L.M.	38,905.85	8.23 B			3,465.00	**13,48,08,776.19**	30.52	44,17,098	1.190%	1.19%	0.00	-	0.00	0.00%	0.00%
12	**Project facilities**														0.00	0.00%	
12.01	Wayside Amenities/Service Area	LS	2.00	Lamsum			5,00,00,000.00	9,99,83,175.68	2.00	4,99,91,588	0.883%	0.88%	0.60	0.60	29994952.70	0.26%	0.26%
12.02	Providing **operational and maintenance Center**	No.	2.00	Lamsum			2,50,00,000.00	5,00,53,999.31	2.00	2,50,27,000	0.442%	0.44%	0.00	-	0.00	0.00%	0.00%
12.03	Providing lighting including all	Nos	2,348.59	8.27 (ii)			3,697.00	86,82,743.30	30.52	2,84,496	0.077%	0.08%	0.00	-	0.00	0.00%	0.00%
12.04	Provding Advanced Traffic Management Systems (ATMS)	Km.	32.02	Lamsum			20,00,000.00	6,40,34,168.69	30.52	20,98,121	0.565%	0.57%	0.00	-	0.00	0.00%	0.00%
12.05	Providing & Placing Noise Barrier	Km	9.31	Lamsum			35,26,344.09	3,28,28,433.46	9.30	35,29,939	0.290%	0.29%	0.00	-	0.00	0.00%	0.00%
12.06	Providing Rain Water Harvesting	Nos	63.55	Lamsum			1,10,000.00	69,90,084.69	64.00	1,09,220	0.062%	0.06%	0.00	-	0.00	0.00%	0.00%
12.07	Providing Chain Link Fencing in ROW	L.M.	53,923.51	Lamsum			2,500.00	13,48,08,776.19	30.52	44,17,098	1.190%	1.19%	14.00	24,735.75	61839368.37	0.55%	0.55%
12.08	Providing min 600 mm dia NP4 pipes across the road for utility work	Nos.	6,383.80	Lamsum			3,500.00	2,23,43,306.42	64.00	3,49,114	0.197%	0.20%	56	5,565.88	19480570.29	0.17%	0.17%
12	**Project facilities**							**41,97,24,687.74**									
13	**Land Scaping and Tree plantation**																
	Land Scaping and Tree plantation	LS	20,546.32	11.9			804.00	1,65,19,241.28	30.52	5,41,264	0.146%	0.146%	0.00	-	0.00	0.00%	0.000%
13	**Environmental Plan**							**1,65,19,241.28**									
14	**PROTECTION WORKS**																
I	**Boulder pitchin on slopes**																
A	Providing and laying stone pitching on embankment slopes	cum	20,190.56	15.4			1,015.00	2,04,93,417.23	20,190.6	1,015	0.181%	0.25%	7800.00	7,800.00	7917000.00	0.07%	0.09%
B	Providing and laying filter media underneath stone pitching	cum	10,011.40	15.50			729.00	72,98,307.89	10,011.4	729	0.064%		3600.00	3,600.00	2624400.00	0.02%	
II	**Toe/Retaining wall**		-														
A	Excavation of Retaining Wall + Toe Wall	Cu.m.	52,557.03	12.1 -(I) A			97.00	50,98,031.69	3.305	15,42,521	0.045%		3.00	47,706.83	4627562.81	0.04%	
B	M-15 PCC Retaining Wall + Toe Wall	Cu.m.	2,923.41	12.8 D (ii)	3931	608	4,539.00	1,32,69,372.08	3.305	40,14,939	0.117%	4.85%	3.00	2,653.63	12044815.81	0.11%	4.05%
C	M-25 Retaining Wall + Toe Wall	Cum	57,142.97	13.5 (q) Case-ii	4556	600	5,156.00	29,46,29,151.80	3.305	8,91,46,491	2.602%		2.75	47,547.10	245152849.46	2.16%	
D	HYSD - Retaining Wall + Toe Wall	MT	4,412.93	13.6			53,658.00	23,67,89,118.92	3.305	7,16,45,724	2.091%		2.75	3,671.88	197025741.92	1.74%	
14	**Total : PROTECTION WORKS**							**57,75,77,399.61**									
15	**MISCELLANEOUS WORKS**																
15.01	Overhead Signs	Nos	1.00	Lamsum			1,79,01,663.90	1,78,49,680.55	32.00	5,57,803	0.158%	0.16%	0.00	-	0.00	0.00%	0.00%
15.02	Traffic Aid Booth	Sqm	77.27	Lamsum			21,000.00	16,22,698.23	2.00	8,11,349	0.014%	0.014%	0.00	-	0.00	0.00%	0.000%
15.03	Medical Aid Booth	Sqm	77.27	Lamsum			21,000.00	16,22,698.23	2.00	8,11,349	0.014%	0.014%	0.00	-	0.00	0.00%	0.000%
15.04	(d) Emergency Cross Over	No.	6.00	Lamsum			3,32,790.86	19,96,956.10	6.00		0.018%	0.018%	0.00	-	0.00	0.00%	0.000%
15.05	Wearing Coarse	Sqm	8,559.29	Lamsum			350.00	29,95,750.58	32.00	93,617	0.026%	0.141%	0.00	-	0.00	0.00%	0.000%
15.06	Kerb	Km	4.33	Lamsum			30,00,000.00	1,29,81,585.86	32.00	4,05,675	0.115%		0.00	-	0.00	0.00%	
15	**Total Bill No.15 : MISCELLANEOUS WORKS**							**3,90,69,369.55**									
	Total Amount							**11,32,45,62,742**			**100.00%**	**100.00%**				**77.38%**	**77.38%**

STRUCTURE PROGRESS CHART AS ON 28.02.2021

Construction of Eight Lane of Vadodara Kim Expressway from Km 323.000 to Km 355.000 (Sanpa to Padra section of Vadodara Mumbai Expressway) Package II

PROGRESS CHART FOR PIPE CULVERTS

SR.NO	LHS					Pipe Culvert Design Chainage	Pipe Culvert CA Chainage	Dimension	RHS				
	Finishing		Pipe Laying	Finishing					Foundation		Pipe Laying	Finishing	
	Chamber	Cradle		PCC	Excavation				Excavation	PCC		Cradle	Chamber
1		Done	Done	Done	Done	324+069	324+069	1X1.2	Done	Done	Done	Done	
2		Done	Done	Done	Done	324+715	324+719	1X1.2	Done	Done	Done	Done	
3		Done	Done	Done	Done	333+850	325+219	1X1.2	Done	Done	Done	Done	
4		Done	Done	Done	Done	325+619	325+619	1X1.2	Done	Done	Done	Done	
5		Done	Done	Done	Done	326+119	326+119	1X1.2	Done	Done	Done	Done	
6		Done	Done	Done	Done	327+119	327+119	1X1.2	Done	Done	Done	Done	
7		Done	Done	Done	Done	327+994	327+994	1X1.2	Done	Done	Done	Done	
8		Done	Done	Done	Done	328+419	328+419	1X1.2	Done	Done	Done	Done	
9		Done	Done	Done	Done	329+509	329+509	1X1.2	Done	Done	Done	Done	
10		Done	Done	Done	Done	330+068	330+068	1X1.2	Done	Done	Done	Done	
11		Done	Done	Done	Done	331+118	331+118	1X1.2	Done	Done	Done	Done	
12		Done	Done	Done	Done	331+719	331+719	1X1.2	Done	Done	Done	Done	
13		Done	Done	Done	Done	332+050	332+050	2X1.2	Done	Done	Done	Done	
14		Done	Done	Done	Done	332+158	332+294	1X1.2	Done	Done	Done	Done	
15		Done	Done	Done	Done	333+119	333+119	1X1.2	Done	Done	Done	Done	
16		Done	Done	Done	Done	333+360	333+360	1X1.2	Done	Done	Done	Done	
17		Done	Done	Done	Done	333+810	333+810	1X1.2	Done	Done	Done	Done	
18		Done	Done	Done	Done	334+310	334+310	1X1.2	Done	Done	Done	Done	
19		Done	Done	Done	Done	334+168	334+168	1X1.2	Done	Done	Done	Done	
20		Done	Done	Done	Done	334+719	334+719	1X1.2	Done	Done	Done	Done	
21		Done	Done	Done	Done	337+308	337+308	1X1.2	Done	Done	Done	Done	
22		Done	Done	Done	Done	337+593	337+593	1X1.2	Done	Done	Done	Done	
23		Done	Done	Done	Done	338+243	338+243	1X1.2	Done	Done	Done	Done	
24		Done	Done	Done	Done	338+669	338+669	1X1.2	Done	Done	Done	Done	
25		Done	Done	Done	Done	339+179	339+179	1X1.2	Done	Done	Done	Done	
26		Done	Done	Done	Done	340+080	340+080	1X1.2	Done	Done	Done	Done	
27		Done	Done	Done	Done	340+718	340+718	1x1.2	Done	Done	Done	Done	
28		Done	Done	Done	Done	341+468	341+468	1x1.2	Done	Done	Done	Done	
29		Done	Done	Done	Done	341+925	341+925	1x1.2	Done	Done	Done	Done	
30		Done	Done	Done	Done	342+869	342+869	1x1.2	Done	Done	Done	Done	
31		Done	Done	Done	Done	343+280	343+280	1x1.2	Done	Done	Done	Done	
32		Done	Done	Done	Done	343+990	343+994	1x1.2	Done	Done	Done	Done	
33		Done	Done	Done	Done	344+768	344+768	1x1.2	Done	Done	Done	Done	
34		Done	Done	Done	Done	346+549	346+549	1x1.2	Done	Done	Done	Done	
35		Done	Done	Done	Done	347+169	347+169	1x1.2	Done	Done	Done	Done	
36		Done	Done	Done	Done	348+143	348+143	1x1.2	Done	Done	Done	Done	
37		Done	Done	Done	Done	348+869	348+869	1x1.2	Done	Done	Done	Done	
38		Done	Done	Done	Done	349+668	349+668	1x1.2	Done	Done	Done	Done	
39		Done	Done	Done	Done	350+068	350+068	1x1.2	Done	Done	Done	Done	
40		Done	Done	Done	Done	350+443	350+443	1x1.2	Done	Done	Done	Done	
41		Done	Done	Done	Done	351+119	351+119	1x1.2	Done	Done	Done	Done	
42		Done	Done	Done	Done	351+619	351+619	1x1.2	Done	Done	Done	Done	
43		Done	Done	Done	Done	352+494	352+494	1x1.2	Done	Done	Done	Done	
44		Done	Done	Done	Done	352+868	352+868	1x1.2	Done	Done	Done	Done	
45		Done	Done	Done	Done	354+467	354+467	1x1.2	Done	Done	Done	Done	
46		Done	Done	Done	Done	354+754	354+754	1x1.2	Done	Done	Done	Done	
		46	46	46	46	46	46	46	46	46	46	46	

Abstract

SR.No	Type Of Structure	Total No. of Structure as per CA	No of Work in progress of structure
1	HPC	42	0
2	BOX Culvert	52	15
3	flyover Bridge	1	1
4	ROB	1	1
5	MJB	1	1
6	MNB	9	6
8	Interchange	2	2
9	VOP	2	2
10	LVUP	8	0
11	VUP	5	0
12	P/CUP	34	0
Total		157	28
1	Utility Duct	61	
2	RE- Block	Aprox 9 lakh NOS	454389 Nos.

PROGRESS CHART FOR BOX CULVERTS

SR.NO	LHS								Box Culvert Design Chainage	Box Culvert CA Chainage	Dimension	RHS								
	Finishing			Super-Structure	Sub-Structure	Foundation						Foundation			Sub-Structure	Super-Structure	Finishing			
	Apron	Curtain Wall	Retaining Wall			Raft	PCC	Excavation				Excavation	PCC	Raft			Retaining Wall	Curtain Wall	Apron	
1									323+038	323+057	1X2X2									
2									323+087	323+087	1X2X2									
3									323+087	323+087	1X2X2									
4									323+087	323+087	1X2X2									
5									323+087	323+087	1X2X2									
6			Done	Done	Done	Done	Done	Done	332+659	323+367	1X3X3	Done	Done	Done	Done	Done	Done			
7				Done	Done	Done	Done	Done	324+164	324+160	1X2X2	Done	Done	Done	Done	Done				
8				Done	Done	Done	Done	Done	324+236	324+259	1X3X3	Done	Done	Done	Done	Done				
9				Done	Done	Done	Done	Done	324+254	324+273	1X3X3	Done	Done	Done	Done	Done				
10				Done	Done	Done	Done	Done	324+987	325+005	1X3X3	Done	Done	Done	Done	Done				
11			Done	Done	Done	Done	Done	Done	326+292	326+310	1X4X3	Done	Done	Done	Done	Done	Done			
12				Done	Done	Done	Done	Done	326+848	326+867	1X3X3	Done	Done	Done	Done	Done				
13				Done	Done	Done	Done	Done	326+957	326+982	1X2X2	Done	Done	Done	Done	Done				
14									326+957	326+982	1X2X2									
15			Done	Done	Done	Done	Done	Done	330+242	330+260	1X2X2	Done	Done	Done	Done	Done	Done			
16				Done	Done	Done	Done	Done	330+853	330+872	2X4X3	Done	Done	Done	Done	Done				
17			Done	Done	Done	Done	Done	Done	331+840	331+859	1X2X2	Done	Done	Done	Done	Done	Done			
18			Done	Done	Done	Done	Done	Done	333+661	333+670	1X5X3	Done	Done	Done	Done	Done	Done			
19			Done	Done	Done	Done	Done	Done	335+074	335+093	1X2X2	Done	Done	Done	Done	Done	Done			
20		Done	Done	Done	Done	Done	Done	Done	335+664	335+684	1X2X2	Done	Done	Done	Done	Done	Done			
21		Done	Done	Done	Done	Done	Done	Done	339+352	339+345	1X2X2	Done	Done	Done	Done	Done	Done			
22			Done	Done	Done	Done	Done	Done	339+700	339+700	1X2X2	Done	Done	Done	Done	Done	Done			
23			Done	Done	Done	Done	Done	Done	339+848	339+852	1X2X2	Done	Done	Done	Done	Done	Done			
24			Done	Done	Done	Done	Done	Done	339+941	339+934	1X2X2	Done	Done	Done	Done	Done	Done			
25				Done	Done	Done	Done	Done	341+171	341+193	1x6x3	Done	Done	Done	Done	Done				
26				Done	Done	Done	Done	Done	342+620	342+620	1X4X3	Done	Done	Done	Done	Done				
27									344+440	344+347	1x2x2									
28				Done	Done	Done	Done	Done	345+474	345+494	1x4x3	Done	Done	Done	Done	Done				
29				Done	Done	Done	Done	Done	345+966	346+000	1x3x3	Done	Done	Done	Done	Done				
30									346+776	346+800	2x3x3									
31				Done	Done	Done	Done	Done	346+800	346+800	2x3x3	Done	Done	Done	Done	Done	Done			
32				Done	Done	Done	Done	Done	347+468	347+468	1x2x2	Done	Done	Done	Done	Done				
33				Done	Done	Done	Done	Done	347+537	347+556	2x3x2	Done	Done	Done	Done	Done				
34				Done	Done	Done	Done	Done	347+900	347+940	1x2x2	Done	Done	Done	Done	Done	Done			
35				Done	Done	Done	Done	Done	349+220	349+220	1x5x3	Done	Done	Done	Done	Done				
36				Done	Done	Done	Done	Done	349+445	349+463	1x5x3	Done	Done	Done	Done	Done				
37				Done	Done	Done	Done	Done	349+460(0+535)	349+463	1x2x2	Done	Done	Done	Done	Done				
38				Done	Done	Done	Done	Done	349+460(0+831)	349+463	1x2x2	Done	Done	Done	Done	Done				
39				Done	Done	Done	Done	Done	349+809	349+832	1x2x2	Done	Done	Done	Done	Done				
40				Done	Done	Done	Done	Done	351+009	351+009	1x3x3	Done	Done	Done	Done	Done	Done			
41				Done	Done	Done	Done	Done	351+265	351+718	1x3x3	Done	Done	Done	Done	Done				
42				Done	Done	Done	Done	Done	353+690 (0+407)L-	353+690 (0+407)L-	1x2x2	Done	Done	Done	Done	Done				
43				Done	Done	Done	Done	Done	353+690(0+454)	353+690	1x2x2	Done	Done	Done	Done	Done				
44									353+690	353+690	1x2x2									
45				Done	Done	Done	Done	Done	353+690(0+684)	353+690	1x2x2	Done	Done	Done	Done	Done				
46									353+690	353+690	1x2x2									
47									353+690	353+690	1x2x2									
48									353+690	353+690	1x2x2									
49									353+690	353+690	1x2x2									
50									353+690	353+690	1x2x2									
51									353+690	353+690	1x2x2									
52									353+690	353+690	1x2x2									
			11	36	36	36	36	36	52	52		36	36	36	36	36	14			

PROGRESS CHART FOR CUP/PUP

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

PROGRESS CHART FOR VUP

SR.NO	LHS									RHS									
	Finishing			Super Structure	Sub Structure	Foundation			Design Chainage	CA Chainage	Dimension	Foundation			Sub Structure	Super Structure	Finishing		
	WC inside Str.	Approach Slab	Crash Barrier			Raft	PCC	Excavation				Excavation	PCC	Raft			Crash Barrier	Approach Slab	WC inside Str.
1				Done	Done	Done	Done	Done	330+402	330+402	1X12	Done	Done	Done	Done	Done			
2				Done	Done	Done	Done	Done	331+822	331+843	1X12	Done	Done	Done	Done	Done			
3		Done		Done	Done	Done	Done	Done	335+402	335+422	1X12	Done	Done	Done	Done	Done		Done	
4				Done	Done	Done	Done	Done	341+826	341+843	1x12	Done	Done	Done	Done	Done			
5				Done	Done	Done	Done	Done	351+284	351+303	1x12	Done	Done	Done	Done	Done			

PROGRESS CHART FOR LVUP

SR.NO	LHS								Design Chainage	CA Chainage	RHS								
	Finishing			Super Structure	Sub Structure	Foundation					Dimension	Foundation			Sub Structure	Super Structure	Finishing		
	WC inside Str.	Approach Slab	Crash Barrier			Raft	PCC	Excavation				Excavation	PCC	Raft			Crash Barrier	Approach Slab	WC inside Str.
1				Done	Done	Done	Done	Done	325+769	325+788	1x12	Done	Done	Done	Done	Done			
2				Done	Done	Done	Done	Done	329+380	329+400	1x12	Done	Done	Done	Done	Done			
3				Done	Done	Done	Done	Done	337+022	337+050	1x12	Done	Done	Done	Done	Done			
4				Done	Done	Done	Done	Done	341+600	341+590	1x12	Done	Done	Done	Done	Done			
5				Done	Done	Done	Done	Done	343+856	343+877	1x12	Done	Done	Done	Done	Done			
6				Done	Done	Done	Done	Done	348+468	348+490	1x12	Done	Done	Done	Done	Done			
7				Done	Done	Done	Done	Done	351+803	351+803	1x12	Done	Done	Done	Done	Done			
8				Done	Done	Done	Done	Done	354+843	354+855	1x12	Done	Done	Done	Done	Done			

PROGRESS CHART FOR MNB

BOX TYPE

SR. NO	LHS								MNB Design Chainage	MNB CA Chainage	RHS								
	Finishing			Super Structure	Sub Structure	Foundation					Dimension	Foundation			Sub Structure	Super Structure	Finishing		
	WC inside Str.	Approach Slab	Crash Barrier			Raft	PCC	Excavation				Excavation	PCC	Raft			Crash Barrier	Approach Slab	WC inside Str.
1				Done	Done	Done	Done	Done	329+062	329+080	1X10.42	Done	Done	Done	Done	Done			
2				Done	Done	Done	Done	Done	337+874	337+895	1X10.42	Done	Done	Done	Done	Done			
3				Done	Done	Done	Done	Done	346+743	346+766	1x10.496	Done	Done	Done	Done	Done			
4			7		Done	Done	Done	Done	350+201	350+220	1x18.85	Done	Done	Done	Done		7		

PILE TYPE

SR. NO	LHS							Design Chainage	CA Chainage	RHS							
	Superstructure		Sub Structure		Foundation		Pile Scope			Dimension	Foundation		Substructure		Superstructure		
	Deck Slab	Erection/ Casting of Girders		Pier Cap	Pier	Pile Cap	Pile				Pile	Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab
1		7	7	2 out of 2	2 out of 2	2 out of 2	16	32	324+193	324+210	1X29.214	16	2 out of 2	2 out of 2	2 out of 2				
2			54	4 out of 4	32 out of 35	2 out of 2	35	70	330+630	330+640	1X32.2	35	2 out of 2	33 out of 35	4 out of 4				
3			104	4 out of 4	59 out of 62	2 out of 2	62	124	343+566	343+566	1x27.20	62	2 out of 2	58 out of 62	4 out of 4				
4			12	2 out of 2	14 out of 14	2 out of 2	14	28	350+143	350+162	1x33.112	14	2 out of 2	14 out of 14	2 out of 2				
5			49	4 out of 4	28 out of 28	2 out of 2	28	56	354+636	354+660	1x48.603	28	2 out of 2	28out of 28	4 out of 4				

PROGRESS CHART FOR FLYOVER

SR. NO	LHS							Design Chainage	CA Chainage	RHS							
	Superstructure		Sub Structure		Foundation		Total Pile Scope			Dimension	Foundation		Substructure		Superstructure		
	Deck Slab	Erection/ Casting of Girders		Pier Cap	Pier	Pile Cap	Pile				Pile	Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab
1			21	4 out of 4	16 out 16	4 out of 4	46	92	344+383	344+360	1x22.627+1x42.065 +1x22.627	46	4 out of 4	16 out of 16	4 out of 4	21			

PROGRESS CHART FOR INTERCHANGE

SR. NO	LHS										RHS								
	Superstructure			Sub Structure		Foundation		Total Pile Scope	Design Chainage	CA Chainage	Dimension	Foundation		Substructure		Superstructure			
	Deck Slab	Erection/ Casting of Girders		Pier Cap	Pier	Pile Cap	Piles					Piles	Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders		Deck Slab	Approach Slab
1			21	4 out of 4	12 out 12	4 out of 4	40	80	323+074	323+087	1 x 16.9+1x47.2+1x16.9	40	4 out of 4	12 out 12	4 out of 4	21			
2			51	8 out of 8	28 out of 28	8 out of 8	100	200	353+666	353+690	1 X 48.2 + 2 X (25+25 +25.788)	100	8 out of 8	26 out of 28	8 out of 8	51			

PROGRESS CHART FOR ROB

SR. NO	LHS										RHS								
	Superstructure			Sub Structure		Foundation		Total Pile Scope	Design Chainage	CA Chainage	Dimension	Foundation		Substructure		Superstructure			
	Deck Slab	Erection/ Casting of Girders		Pier Cap	Pier	Pile Cap	Piles					Piles	Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders		Deck Slab	Approach Slab
1				1	3	3	42 out of 42	80	352+965	352+988	2x37.20	38 out of 38	3	3	1				

PROGRESS CHART FOR MJB

SR. NO	LHS										RHS								
	Superstructure			Sub Structure		Foundation		Total Pile Scope	Design Chainage	CA Chainage	Dimension	Foundation		Substructure		Superstructure			
	Deck Slab	Erection/ Casting of Girders		Pier Cap	Pier	Pile Cap	Pile					Pile	Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders		Deck Slab	Approach Slab
1			52	3 out of 7	5 out of 7	7 out of 7	114	228	336+810	336+830	6X42.20	114	7 out of 7	5 out of 7	3 out of 7				

PROGRESS CHART FOR VOP

SR. NO	Superstructure			Sub Structure		Foundation		Total Pile Scope	Design Chainage	CA Chainage	Dimension	Foundation		Substructure		Superstructure		
	Deck Slab	Erection/ Casting of Girders		Pier Cap	Pier	Pile Cap	Piles					Piles	Pile Cap	Pier	Pier Cap	Erection/ Casting of Girders	Deck Slab	Approach Slab
1				3 out of 3	3 out of 3	3 out of 3	14	14	326+957	326+982	2x48.221	Not Applicable						
2			8	3 out of 3	3 out of 3	3 out of 3	21	21	349+441	349+463	2x41.35							

HIGHWAY PROGRESS CHART

ANNEXURE - A											
Details of Electrical Utilities											
Sr. No.	CHAINAGE		Division	SIDE	TYPE	Effected LENGTH (m)	Cleared Length (Mtr.)	No. of Locations already shifted	No. of Locations where shifting in progress	Description	Remarks
	From	To									
1	323+030	323+040	Amod		11 KV	10	10	1	Shifted	Electric Line Crossing (Amod)	
2	323+090	323+095	Amod		11 KV	5	5	1	Shifted	Electric Line Crossing (Amod)	
3	323+130	323+140	Amod		11 KV	10	10	1	Shifted	Electric Line Crossing (Amod)	
4	323+160	323+170	Amod		12 KV	10	10	1	Shifted	Electric Line Crossing (Amod)	
5	323+200	323+210	Amod		11 KV	10	10	1	Shifted	Electric Line Crossing (Amod)	
6	323+380	323+440	Amod		11 KV	60	60	1	Shifted	Electric Line Crossing (Amod)	
7	324+600	324+610	Karjan		2/11KV	10	10	1	Shifted	Electric Line Crossing	
8	324+700	324+705	Karjan	LHS		5	5	1	Shifted	Transformer	
9	324+800	324+830	Karjan		2/11KV	30	30	1	Shifted	Electric Line Crossing	
10	324+690	324+710	Karjan		3/11KV	20	20	1	Shifted	Electric Line Crossing	
11	325+180	325+190	Karjan		11 KV	10	10	1	Shifted	Electric Line Crossing	
12	325+180	325+190	Karjan	LHS		10	10	1	shifted	Transformer	
13	325+550	325+570	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
14	325+600	325+630	Karjan		11 KV	30	30	1	shifted	Electric Line Crossing	
15	326+900	326+910	Karjan		11 KV	10	10	1	shifted	Electric Line Crossing	
16	327+280	327+290	Karjan		11 KV	10	10	1	shifted	Electric Line Crossing	
17	327+280		Karjan	RHS		5	5	1	shifted	Transformer	
18	327+700	327+710	Karjan		11 KV	10	10	1	shifted	Electric Line Crossing	
19	327+730	327+740	Karjan		11KV	10	10	1	shifted	Electric Line Crossing	
20	327+750	327+760	Karjan		11KV	10	10	1	shifted	Electric Line Crossing	
21	329+290	329+310	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
22	329+310	329+330	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
23	330+270	330+275	Karjan	RHS	11 KV	5	5	1	shifted	Transformer	
24	330+275	330+570	Karjan	8 Line	12 KV	65	65	1	8 Line shifted	Electric Line Crossing	
25	331+230	331+240	Karjan		11 KV	10	10	1	shifted	Electric Line Crossing	
26	331+430	331+440	Karjan		11 KV	10	10	1	shifted	Electric Line Crossing	
27	331+800	331+820	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
28	331+900	331+920	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
29	332+050	332+060	Karjan		11 KV	10	20	1	shifted	Electric Line Crossing	
30	332+130	332+150	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
31	332+410	332+450	Karjan		11 KV	40	40	1	shifted	Electric Line Crossing	

ANNEXURE - A											
Details of Electrical Utilities											
Sr. No.	CHAINAGE		Division	SIDE	TYPE	Effected LENGTH (m)	Cleared Length (Mtr.)	No. of Locations already shifted	No. of Locations where shifting in progress	Description	Remarks
	From	To									
32	332+490	332+500	Karjan	RHS		5	5	1	shifted	Transformer	
33	333+100	333+130	Karjan		11 KV	30	30	1	shifted	Electric Line Crossing	
34	333+340	333+350	Karjan	LHS		5	5	1	shifted	Transformer	
35	333+520	333+540	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
36	333+620	333+720	Karjan		11 KV	100	100	1	shifted	Electric Line Crossing	
37	333+950	334+000	Karjan		11 KV	50	50	1	shifted	Electric Line Crossing	
38	334+220	334+240	Karjan		11 KV	20	20	1	shifted	Electric Line Crossing	
39	334+575	334+590	Karjan		11 KV	15	15	1	shifted	Electric Line Crossing	
40	334+585	334+610	Karjan		11 KV	35	35	1	shifted	Electric Line Crossing	
41	334+610	334+640	Karjan		11 KV	25	25	1	shifted	Electric Line Crossing	
42	334+690	334+720	Karjan		11 KV	30	30	1	shifted	Electric Line Crossing	
43	334+730	334+770	Karjan	2 Line	11 KV	40	40	1	shifted	Electric Line Crossing	
44	334+800	334+830	Karjan		11 KV	30	30	1	shifted	Electric Line Crossing	
45	335+370	335+400	Karjan		11 KV	30	30	1	shifted	Electric Line Crossing	
46	335+370	335+400	Karjan	LHS	11 KV	30	30	1	shifted	Electric Line Crossing	
47	337+470	337+510	Padra-2		11 KV	40	40	1	shifted	Electric Line Crossing	
48	337+580	337+620	Padra-2		11 KV	40	40	1	shifted	Electric Line Crossing	
49	338+480	338+550	Padra-2		11 KV	70	70	1	shifted	Electric Line Crossing	
50	339+670	339+720	Padra-2		11 KV	50	50	1	shifted	Electric Line Crossing	
51	339+750	339+780	Padra-2		11 KV	30				Electric Line Crossing	
52	341+610	341+650	Padra-2		11 KV	40				Electric Line Crossing	
53	341+790	341+820	Padra-2		11 KV	30	30	1	shifted	Electric Line Crossing	
54	341+780	341+790	Padra-2	C/L	11 KV	10	10	1	shifted	Transformer	
55	343+850	343+870	Padra-2		11 KV	20	20	1	shifted	Electric Line Crossing	
56	343+950	344+000	Padra-2		11 KV	50	50	1	shifted	Electric Line Crossing	
57	344+000	344+060	Padra-2		11 KV	60	60	1	shifted	Electric Line Crossing	
58	344+200	344+280	Padra-2		11 KV	80	80	1	shifted	Electric Line Crossing	
59	345+100	345+120	Padra-2	LHS		20	20	1	shifted	Transformer	
60	348+470	348+480	Padra-2		11 KV	10	10	1	shifted	Electric Line Crossing	
61	348+780	348+850	Padra-2		11 KV	70	70	1	shifted	Electric Line Crossing	
62	349+150	349+160	Padra-1		12 KV	10	10	1	shifted	Electric Line Crossing	

ANNEXURE - A											
Details of Electrical Utilities											
Sr. No.	**CHAINAGE**		**Division**	**SIDE**	**TYPE**	**Effected LENGTH (m)**	**Cleared Length (Mtr.)**	**No. of Locations already shifted**	**No. of Locations where shifting in progress**	**Description**	**Remarks**
	From	**To**									
63	349+440	349+470	Padra-1		11 KV	30	30	1	shifted	Electric Line Crossing	
64	350+340	350+400	Padra-1		11 KV	60	60	1	shifted	Electric Line Crossing	
65	350+320	350+330	Padra-1	RHS		10	10	1	shifted	Transformer	
66	351+400	351+420	Padra-1		11 KV	20	20	1	shifted	Electric Line Crossing	
67	351+420	351+430	Padra-1	LHS		10	10	1	shifted	Transformer	
68	351+530	351+540	Padra-1		11 KV	10	10	1	shifted	Electric Line Crossing	
69	351+680	351+800	Padra-1		11 KV	10	10	1	shifted	Electric Line Crossing	
70	351+820	351+825	Padra-1		11 KV	5	5	1	shifted	Electric Line Crossing	
71	351+830	351+835	Padra-1		11 KV	5	5	1	shifted	Electric Line Crossing	
72	351+870	351+875	Padra-1		11 KV	5	5	1	shifted	Electric Line Crossing	
73	351+875	351+885	Padra-1		11 KV	10	10	1	shifted	Electric Line Crossing	
74	351+885	351+915	Padra-1		11 KV	30	30	1	shifted	Electric Line Crossing	
75	352+300	352+310	Padra-1		11 KV	10	10	1	shifted	Electric Line Crossing	
76	352+445	352+460	Padra-1		11 KV	15	10	1	shifted	Electric Line Crossing	
77	353+415	353+425	Padra-1		11 KV	10	10	1	shifted	Electric Line Crossing	
78	353+445	353+470	Padra-1		11 KV	25	25	1	shifted	Electric Line Crossing	
79	353+510	353+520	Padra-1		11 KV	10	10	1	shifted	Electric Line Crossing	
80	353+525	353+550	Padra-1		11 KV	25			Going on Progress	Electric Line Crossing	
81	353+670	353+920	Padra-1		11 KV	10			Going on Progress	Electric Line Crossing	
82	354+240	354+250	Padra-1		11 KV	10	10	1	Shifted	Electric Line Crossing	
83	354+830	354+835	Padra-1		11 KV	5	5	1	Shifted	Electric Line Crossing	
84	354+950	354+960	Padra-1		11 KV	10	10	1	shifted	Electric Line Crossing	
Total shifted (Length & Locations), Out of above 84 Locations						**1965**	**1865**	**80**	**4**		**100**

ANNEXURE - A											
Details of Electrical Utilities											
Sr. No.	**CHAINAGE**		**Division**	**SIDE**	**TYPE**	**Effected LENGTH (m)**	**Cleared Length (Mtr.)**	**No. of Locations already shifted**	**No. of Locations where shifting in progress**	**Description**	**Remarks**
	From	**To**									
EHT Line											
1	323+180	323+200	GETCO		66 KV	20				Electric Line Crossing (Amod)	
2	324+090	324+110	GETCO		1 Tower/220KV	20				High Tension Line Crossing	
3	325+100	325+115	GETCO		1 Tower/220KV	15				High Tension Line Crossing	
4	326+400	326+420	GETCO		1 Tower/220KV	20				High Tension Line Crossing	
5	327+175	327+205	GETCO		220KV	30				High Tension Line Crossing	
6	331+930	331+950	GETCO		66 KV	20				High Tension Line Crossing	
7	353+950	353+960	GETCO		66 KV	10				High Tension Line Crossing	
8	354+000	354+010	GETCO		66 KV	10				High Tension Line Crossing	
9	336+080	336+130	PGCIL		400KV	50				High Tension Line Crossing	
10	340+800	340+950	Torrent		400KV	150				High Tension Line Crossing	
	EHT Line Hindred Length					**345**					**345**
	TOTAL LENGTH					**2310**	**1865**				**445**

GETCO/PGCIL/Torrent EHT Line Shifting Matrials Details

Sr. No.	Agency	Utility agency	Chainage	Line Discription	Vendor approval Status	Check survey/ Profile Status	Land Status	Material Vendor approval Status	Material Inspection status
1	SIDDHARTH INFRA POWER PVT. LTD.	GETCO	323+200	66 KV - Amod Sarbhan Line	vendor approval obtain through letter no.CE (Project) /ll/T-2/66kv /NHAI/ IVKEL/ Patel /Sidharth infra-1/4161 Dt.10.11.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
2	SIDDHARTH INFRA POWER PVT. LTD.	GETCO	324+122	220 KV Kosamba - Mobha Lilo(Suva)	vendor approval obtain through letter no.CE (Project) /ll/ T-2/ 66 kv/NHAI/ IVKEL/Patel / Sidharth infra- 7/4159 Dt.10.11.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
3	VIMA ALLAINCE INFRA PVT LTD	GETCO	325+132	220 KV Kosamba - Mobha	vendor approval obtain through letter no.CE (Project) /ll/ T-2 / 66 kv/NHAI/ IVKEL /Patel /Vima Alliance-8/4162 Dt.10.11.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
4	VIMA ALLAINCE INFRA PVT LTD	GETCO	326+420	220 KV Gavasad - SSLP Line 1 & 2	vendor approval obtain through letter no. CE (Project)/ll / T-2/ 66 kv/NHAI/ IVKEL/ Patel/Vima Alliance-6/4160 Dt.10.11.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
5	STANZA POWER	GETCO	327+220	220 KV Gavasad - SSLP Line 3 & 4	vendor approval obtain through letter no.CE(Project) /ll/T-2 / 66 kv/NHAI /IVKEL/ Patel/ Stanza-5 /4206 Dt.10.11.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
6	STANZA POWER	GETCO	331+927	66 KV - Karjan- TGBL Line	vendor approval obtain through letter no.CE(Project) /ll/T-2/66 kv / NHAI/ IVKEL /Patel /Stanza-4 / 4205 Dt.10.11.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
7	STANZA POWER	GETCO	353+962	66 KV - Samiyala - Padra DP Line	vendor approval obtain through letter no.CE(Project)/ ll/ T-2/ 66kv/ NHAI/ IVKEL/ Patel / Stanza / 2624 Dt.24.09.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
8	STANZA POWER	GETCO	354+020	66 KV - Gotri-Jambuva-Padra Line	vendor approval obtain through letter no.CE (Project) /ll/ T-2/ 66kv/NHAI/ IVKEL /Patel /Stanza/ 2623 Dt.24.09.2020	Profile approved from PIU Godhra and submitted to GETCO for approval	Profile approval awaited from GETCO	Material vendor approval awaited from GETCO	awaited
9	Om power	PGCIL	336+000	400 KV	Approved	Check survey done, Profile Submitted to PIU Goudhra for rievew and approval	Profile approval awaited		
10	Om power	Torrent	340+950	400 KV	Approved	Check survey done, Profile Submitted to PIU Goudhra for rievew and approval	Profile approval awaited		

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

Details of Permanent structure like Building etc.

Sr. No	Chainage		Side	Structure type	Effected Length (m)	Effected Width (m)	Effected Zone
	From	To					
1	327+280	327+320	RHS	COW SHELTER			
2	329+350	329+355	LHS	COW SHELTER			
3	329+365	329+375	BHS	HOUSE			
4	330+320	330+330	BHS	HOUSE			
5	341+750	341+851	LHS	ONGC GAS OFFICE	100		
TOTAL LENGTH					**100**		

Details of Gas Pipe Lines

Sr. NO	Chainage		SIDE	TYPE	Effected Length (m)	REMARKS
	From	To				
1	343+560	343+620	BHS	GAIL COMPOUND WALL	60	Boundary Wall
TOTAL LENGTH					**60**	

Details of Religious Structures like Temple, Mosque etc.

Sr. No.	Temple Chainage	Side	EFFECTED LENGTH	Remarks
1	349+441	Cross Road (RE Wall)	20	Temple
2	353+670	LHS	20	Mazar/Mosque
TOTAL LENGTH			**40**	

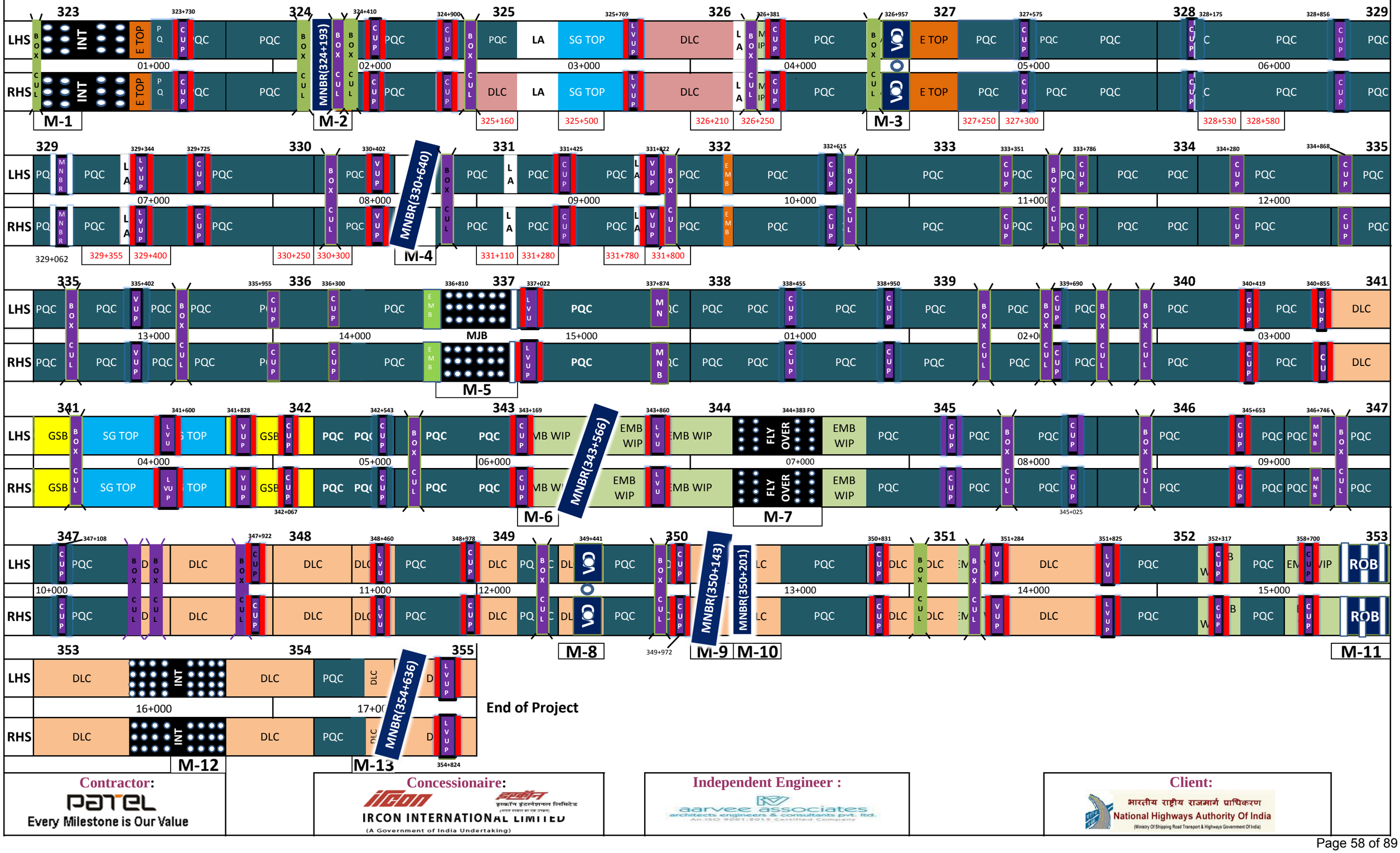
Details of Land related Hindrances as on 28.02.2021									
Sr. No.	Chainage from		Affacted length	Village Name	Survey No.	Structure/ Highway Affected	Owner Name	Hindrance Description	Current Status
	Payment/ Add.3A Issues								
1	325+160	325+320	160	Sanpa	337	HPC	Govardhanbhai Ranchoddas	additional acquisition payment awaited at NHAI End	3G Award approved form NHAI
2	325+320	325+500	180	Sanpa	527	Highway	Mohadbhai aslam esab	additional acquisition payment awaited at NHAI End	3G Award approved form NHAI
3	326+210	326+250	40	Sanpa	169	Highway	Patel Babubhai ambalal	additional acquisition payment awaited at NHAI End	3G Award approved form NHAI
4	331+780	331+800	20	Handod	8	Highway	Prafulbhai Bhatt	additional acquisition payment awaited at NHAI End	3G Award approved form NHAI
5	329+355	329+400	45	Kanbha	413	Highway	Malik Yusuphbhai	Award of Rs. 2 lakh against tube well submitted to CALA for payment.	Land owners submitted documents for payments disbursed awaited from CALA
6	330+250	330+300	50	Kanbha	296	Highway	Idrishbhai ahamadbhai	Award of Rs. 2 lakh against tube well submitted to CALA for payment.	Land owners submitted documents for payments disbursed awaited from CALA
7	328+555	328+580	25	Bodka	161	Highway	Neelesh Patel	NHAI acquired 3 guntha Land but farmer claims that 11 Guntha land occupied by NHAI. CALA office is being pursuade for settlement of additional claim of land owner. Add.3A Pursual awaited from Secon/NHAI end.	Seacon needs to resolve it.
	Total Length		**520**						
	Other Issue								
1	341+750	341+850	100	Amla		LVUP	ONGC GAS OFFICE	ONGC Well	
2	343+560	343+620	60	Sarswani	944	Minor Bridge	Rasikbhai Vitthalbhai Patel & GAIL	GAIL Compound wall	
3	351+300	351+350	50	Sokhda khurd	77	Highway	Jagdishbhai shivabhai solanki	Payment done but Ghanot didn't give possession	Force possession is being pursuaded
	Total Length		**210**						

	Interchange/ Amenities issues								
1	323+000	323+400	400	Matar	Unknown	Interchange Ramp	Unknown	Interchange Ramp and Toll plaza	Pending at NHAI end
2	353+666		200	Samiyala	375	Down ramp -1	Indira colony	46 houses effected of Indira colony at down ramp-1, need to relocate	Relocation proposal submitted to DC Vadodara
3	353+100	353+160	160	Samiyala	308	Proposed Petrol Pump area	RAMANBHAI SOMABHAI GOHIL	Land measurement issue at Petrol pump area	Pending at NHAI / Secon end
4					301		KAYAMALI NURUDDIN SAIYAD	Land measurement issue at Petrol pump area	Pending at NHAI / Secon end
5					303		CHIMANLAL MANGALBHAI PARMAR	Land measurement issue at Petrol pump area	Pending at NHAI / Secon end
6	353+666		80	Samiyala	409	Down ramp -3	Makwana Dahyabhai Jethabhai	Payment not disbursed	
7	353+667		50	Samiyala	390	Down ramp -2	MANJULABEN CHAMPAKLAL THAKKAR	BPCL Petrol pump	BPCL Started Relocation Process
8	353+800	353+810	10	Samiyala	470	Interchange circle	Sitaben	NHAI acquired 0.1947 Hact. Land in survey no.470 but farmer survey no.470 Land area is 0.2125 Hact.. and total survey no. is coming in NHAI Acquisition for interchange loop section. Farmer claimed rest land area (0.0178 Hact.) compensation. Farmer also persuade to CALA office for rectifying this discrepancy on his survey no. Add.3A Pursual awaited from Secon/NHAI end.	Seacon needs to resolve it
	Total Length		**900**						
Total effected length			**1630**						

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

	EMB Top	SG Top	GSB TOP	DLC	PQC	EMB WIP
Scope Length(km)	30.52	30.52	30.52	30.52	30.52	30.52
Length Completed(km)	29.60	28.53	27.70	27.34	20.54	30.40

Structure Scope (No.)	Work Completed	Work in Progress	LA Hindrance (Km)	Utility Hindrance(km)	M-	STR
157	128	28	1.47	0.45	Major Structure	RE Wall Gap



Contractor:
Patel
Every Milestone is Our Value

Concessionaire:
IRCON INTERNATIONAL LIMITED
(A Government of India Undertaking)

Independent Engineer :
aarvee associates
architects engineers & consultants pvt. ltd.
An ISO 9001:2015 Certified Company

Client:
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority Of India
(Ministry Of Shipping Road Transport & Highways Government Of India)

Details of Letter Correspondence From PIL TO IRCON.

Sr.	Date	Letter Number	Subject
1	03.02.2021	PIL/ VK2/ IRCON/ 853 / 2021	Non Conformance Report (NCR) No. 17
2	03.02.2021	PIL/ VK2/ IRCON/ 854 / 2021	Compliance submission for RA bill No. 01 for shifting of MGVCL Electrical lines, LT/ HT Crossing and TC centre for Padra-2 Sub Division. (Potaliya)
3	03.02.2021	PIL/ VK2/ IRCON/ 855 / 2021	Submission of compliance regarding M 80 grout mix design - Reg.
4	04.02.2021	PIL/ VK2/ IRCON/ 856 / 2021	Letter Received from collector office Vadodara addressed to Project Manager shree, NHAI, Vadodara Mumbai Kim Expressway, Virpur, Tehsil - Padra, Dist - Vadodara.
5	04.02.2021	PIL/HO/VKP2/IRCON/082/2021	Compliance for Submission of HIT Rebar Design of M/s HILTI India Pvt. Ltd. for Rebar work in pedestal for Metallic Guide bearing for LP4 Pier cap & Pin Bearing for LP3 Pier cap at Interchange at Km. 353+666
6	04.02.2021	PIL/ VK2/ IRCON/ 857 / 2021	NOC Required From NHAI for Temporary Electric connection Required at proposed amenities area falls under MGVCL sub division Padra-2 - Regd.
7	04.02.2021	PIL/ VK2/ IRCON/ 858 / 2021	Submission of Test Reports of POT PTFE FREE SLIDING Bearings for Flyover at Ch- 344+383 conducted by "STEEL AUTO INDUSTRIES" dated: 10.12.2020
8	04.02.2021	PIL/ VK2/ IRCON/ 859 / 2021	Final Component Inspection of 36 Mtr span steel girder to be used for ROB at KM. 352+968.
9	04.02.2021	PIL/ VK2/ IRCON/ 860 / 2021	Submission of "Monthly Progress Report" for the Month of January- 2021.
10	04.02.2021	PIL/ VK2/ IRCON/ 861 / 2021	Hindrances / Encumbrances of Boundary Wall (GAIL Issues) – Reg.
11	05.02.2021	PIL/HO/VKP2/IRCON/088/2021	Submission of Design and Drawing of Precast Box Culvert at Ch.0+820 & 0+384 at Ramp-2 & Loop-3 Interchange location 353+666.
12	06.02.2021	PIL/HO/VKP2/IRCON/089/2021	Submission of Design and Drawing of Motel Foundation for wayside Amenities at Ch.346+060
13	06.02.2021	PIL/HO/VKP2/IRCON/090/2021	Submission of Design and Drawing of Motel Foundation for wayside Amenities at Ch.347+410
14	06.02.2021	PIL/HO/VKP2/IRCON/091/2021	Submission of Design and Drawing of Precast Box Culvert at 0+582 (Ramp 1), 0+186 (Ramp 2), 0+345 (Ramp 4), 0+560 (Loop 3) and 0+640 (Ramp 3).
15	06.02.2021	PIL/ VK2/ IRCON/ 862 / 2021	Compliance for Submission of Shop Drawings of Strip Seal Type Expansion Joint for MNB Ch. 354+636, MJB Ch 336+810, Interchange Ch. 353+670, VOP Ch. 326+957, ROB Ch. 352+946 & MNB Ch. 350+201 & Ch. 350+143.
16	06.02.2021	PIL/ VK2/ IRCON/ 863 / 2021	Submission of Bearing Layout for Proposed ROB Between Padra – Bhaili stations at Km 8/4-5 along Jambusar – Vishvamitri (VS-JMB) NG section of Western Railways at Ch. 352+968 of Vadodara – Mumbai Expressway.

Details of Letter Correspondence From PIL TO IRCON.

Sr.	Date	Letter Number	Subject
17	06.02.2021	PIL/ VK2/ IRCON/ 865 / 2021	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for VOP at Ch. 349+441 (0+493)
18	06.02.2021	PIL/ VK2/ IRCON/ 866 / 2021	Program Schedule of 32nd National Road safety Month - 2021.
19	08.02.2021	PIL/ VK2/ IRCON/ 867 / 2021	Submission of Company profile & credentials of M/S BERGER PAINTS India Limited for source approval of Road marking Material & furniture Paint
20	08.02.2021	PIL/ VK2/ IRCON/ 868 / 2021	Submission of Technical data sheet of PQC crack sealing material - Reg.
21	08.02.2021	PIL/ VK2/ IRCON/ 869 / 2021	Submission of Borrow area soil test reports - Reg.
22	09.02.2021	PIL/ VK2/ IRCON/ 870 / 2021	Submission of Test Reports of Elastomeric Bearings for MNB Ch.350+201, VOP Ch 326+957, MNB Ch. 354+636 & VOP Ch. 349+441 Conducted by M/s Polymer products dated 04th February 2021.
23	09.02.2021	PIL/ VK2/ IRCON/ 872 / 2021	RA Bill – 02 for shifting / Erection of 11KV HT/LT line, T/C Shifting and UG Cable work under sub division Padra – 1, Div. Jambuva, From km. 348+160 to 354+840. (Stanza)
24	09.02.2021	PIL/HO/VKP2/IRCON/094/2021	Submission of Design and Drawing of Major Bridge at Ch.336+810.
25	10.02.2021	PIL/HO/VKP2/IRCON/115/2021	Submission of Profile of Road Shield Pvt.Ltd. for the supply & installation of Thrie Beam Crash Barrier in Project Highway
26	11.02.2021	PIL/HO/VKP2/IRCON/121/2021	Regarding Submission of Proposal of construction of chute drain with geocell & geotextile for slope protection work in Project Highway.
27	12.02.2021	PIL/ VK2/ IRCON/ 874 / 2021	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for VOP at Ch. 326+957 (0+647)
28	12.02.2021	PIL/ VK2/ IRCON/ 875 / 2021	RA Bill – 03 for shifting / Erection of Electrical Utility like HT/LT line, Poles and Related work under MGVCL sub division Karjan – 1, Div. Jambuva, From km. 324+000 to 335+500. (J D Electricals)
29	12.02.2021	PIL/ VK2/ IRCON/ 876 / 2021	Submission of Gap Slab and Terminal Slab drawing for RS Wall Locations.
30	12.02.2021	PIL/HO/VKP2/IRCON/127/2021	Submission of Design and Drawing document for preliminary basis of approval for Reinforced Soil approach ramps
31	13.02.2021	PIL/HO/VKP2/IRCON/130/2021	Submission of Company profile & Credential of M/s Tube Investments Of India Lt. (Murugappa Group) for source approval of "TI Macho TMT Bars" to be used in Expressway
32	13.02.2021	PIL/HO/VKP2/IRCON/131/2021	Request to issue Work Done Certificate for the above said Project Highway (For Tender / Bidding Purpose)

Details of Letter Correspondence From PIL TO IRCON.

Sr.	Date	Letter Number	Subject
33	15.02.2021	PIL/ VK2/ IRCON/ 877 / 2021	Submission of Routine Pile Load test Report by High Strain Dynamic test for Pile type A2, Segment-3A, Pile No. 3 for MNB at Ch. 343+566 conducted by the agency "Unique Engineering services".
34	15.02.2021	PIL/ VK2/ IRCON/ 878 / 2021	Submission of Routine Pile Load test Report by High Strain Dynamic test for Pile Type LA1, Pile No 9 for ROB at Ch. 352+946 conducted by the agency "Unique Engineering services".
35	15.02.2021	PIL/ VK2/ IRCON/ 879 / 2021	Submission of Routine Pile Load test Report by High Strain Dynamic test for Pile type RP 1, Pile No. 12 for ROB at Ch. 352+946 conducted by the agency "Unique Engineering services".
36	15.02.2021	PIL/ VK2/ IRCON/ 881 / 2021	Submission of Compliance polypropylene fibers from Bajaj reinforcement - Reg.
37	15.02.2021	PIL/ VK2/ IRCON/ 882 / 2021	Invite- testing of steel materials at third party laboratory - Reg.
38	17.02.2021	PIL/ VK2/ IRCON/ 883 / 2021	Submission of Borrow area soil test reports for B.A. No. 94C, 94D, 96C, 96D, 102A,105 & 105A.
39	17.02.2021	PIL/ VK2/ IRCON/ 884 / 2021	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP at Ch. 352+700.
40	17.02.2021	PIL/ VK2/ IRCON/ 885 / 2021	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for VUP at Ch. 341+828.270
41	17.02.2021	PIL/HO/VKP2/IRCON/144/2021	Submission of Profile of M/S Solucio Infra Solutions Pvt. Ltd. for the supply & installation of Road Signages in Project Highway.
42	17.02.2021	PIL/HO/VKP2/IRCON/145/2021	Regarding approval of interim Extension of Time and additional extension of Milestone-III or rescheduling/merging of Milestone-III with Schedule Completion date
43	18.02.2021	PIL/HO/VKP2/IRCON/146/2021	Submission of Workman Compensation Policy with extended validity up to 17.08.2021
44	19.02.2021	PIL/ VK2/ IRCON/ 886 / 2021	Final Component Joint Inspection Report of 36 Mtr span steel girder to be used for ROB at KM. 352+968
45	19.02.2021	PIL/ VK2/ IRCON/ 887 / 2021	Details Pertaining to Way Side Amenities (WSA)
46	19.02.2021	PIL/ VK2/ IRCON/ 888 / 2021	Submission of detailed drawing of slope protection for embankment using Geocell with concrete cover as per Annexure-I of Schedule- I of the Contract Agreement.
47	19.02.2021	PIL/ VK2/ IRCON/ 889 / 2021	Request to Release the withheld Payment up to IPC 20.
48	20.02.2021	PIL/ VK2/ IRCON/ 890 / 2021	Submission of third party test repots of DP wire HT strands - Reg.
49	20.02.2021	PIL/ VK2/ IRCON/ 891 / 2021	Testing of (1) Metalic Guided Bearing, (2) Free Float Bearing and (3) Pin Fixed Bearing Manufactured by M/s Hercules Structural Engineering Pvt. Ltd.
50	20.02.2021	PIL/ VK2/ IRCON/ 892 / 2021	Invite- testing of HT strands at third party laboratory - Reg.

Details of Letter Correspondence From PIL TO IRCON.

Sr.	Date	Letter Number	Subject
51	23.02.2021	PIL/ VK2/ IRCON/ 895 / 2021	Submission of General Arrangement & Detail Drawing of VOP at km 326+957 (R1).
52	23.02.2021	PIL/ VK2/ IRCON/ 896 / 2021	Submission of General Arrangement & Detail Drawing of Crash barrier without Footpath.
53	23.02.2021	PIL/HO/VKP2/IRCON/157/2021	Regarding approval of interim Extension of Time and additional extension of Milestone-III or rescheduling/merging of Milestone-III with Schedule Completion date
54	24.02.2021	PIL/HO/VKP2/IRCON/160/2021	Submission of Design and Drawing of Toll Plaza admin building, toilet block & Traffic and medical aid post at CH. 353+666 and CH. 323+074.
55	24.02.2021	PIL/ VK2/ IRCON/ 897 / 2021	Submission of HIT Rebar Design of M/s HILTI India Pvt. Ltd. for Rebar work for embedding seismic restrainer reinforcement into abutment cap for MNB 330+640.
56	25.02.2021	PIL/ VK2/ IRCON/ 898 / 2021	Submission of Concrete Mix design M -55 PSC
57	25.02.2021	PIL/HO/VKP2/IRCON/162/2021	Request to release Bank Guarantees against the recovery of 2nd Mobilization advance Payment.
58	26.02.2021	PIL/ VK2/ IRCON/ 899 / 2021	Testing of Pin & Metalic Guided Bearings Manufacturer & Supplier by M/s Dynamic Prestress (i) Pvt. ltd for Interchange at Ch 323+075, MNB Ch. 324+193 & Flyover at Ch. 344+383 at Nasik Unit.
59	26.02.2021	PIL/ VK2/ IRCON/ 900 / 2021	Submission of third party re-test reports of DP wire HT strands - Reg.

Details of Letter Correspondence From IRCON to PIL

Sr.	Date	Letter Number	Subject
1	02.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2672	Submission of PQC Mix design with NUVOCO/JK Laxmi /JK Super/ Wonder 43 Grade Cement and Natural Sand.
2	02.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2673	Submission of Design and Drawing of Bank Seat & Approach Slab at VOP Ch. 326+957
3	02.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2674	Submission of Design and Drawing of Bank Seat & Approach Slab at Minor Bridge Ch. 343+566
4	02.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2676	Testing of Elastomeric Bearings manufactured by M/s Polymer Products for MNB at Ch. 350+201, VOP at Ch. 326+957, MNB at Ch. 354+636 and VOP at Ch-349+441
5	02.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2675	Compliance regarding submission of Design and Drawing of Major Bridge at Ch. 336+810
6	03.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2680	Submission of Design and Drawing document for Preliminary basis of approval for Reinforced Soil approach ramps
7	03.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2681	Issue raised during zero Hour in Lok Sabha on 16.09.2020 by Shri Devusinh Chauhan, Hon'ble MP regarding issue of water logging on account of Infrastructure project
8	03.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2682	Submission of Credentials and QAP of M/s HMM Infra Ltd for 45.9M span Composite Girder to be used for VOP At Ch. 326+957
9	03.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2685	Submission of GST/TDS amount to be paid to M/s Torrent Power Grid Limited by NHAI
10	04.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2691	Submission of profile Drawing for approval for the shifting of (1) 66KV Samiyala- Padra line between location 20/11 to 20/15 at Ch. 353+962 ,(2) 66 KV Gotri Jambuva- Padra line between Location 20/28 to 20/34 at Ch. 354+020, (3) 220 KV Gavasad - SLIP line no. 03 & 04 between location 296 to 299 at Ch. 327+100 & (4) 66 KV Karjan - TGBL Masar line between location 43 to 46 at Ch. 331+927 (Stanza)
11	04.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2692	Submission of Consolidated list of additional works required as site conditions proposed under the change of scope in accordance with Article 16 of Concession Agreement

Details of Letter Correspondence From IRCON to PIL

Sr.	Date	Letter Number	Subject
12	04.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2693	Permission for laying 12.75"OD x 0.25" WT MS LPG Pipeline along with OFC across proposed Vadodara - Mumbai National Expressway between Ch. 325 Km & 326 Km. at village Sampa, Taluka Karjan, District Vadodara (Pipeline Chainage at Km. 62.977-Dahej Dumad section)
13	04.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2694	Execution of Pavement Quality Concrete (PQC)
14	05.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2697	Chairman's Message for Road Safety Month - 2021
15	05.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2698	Submission of Test Results of Borrow Area No. B.A.-15A,15B,100,100 A, 97B, 97C, 98, 98A, 20 D and 104
16	06.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2705	Submission of Profile Drawing for approval for the shifting of 400 KV D/C Gandhar - Dehgam Line of PGCIL at Location 91 to 95 (OM Power)
17	06.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2706	Submission of Profile Drawing for approval for the shifting of 400KV D/C Sugen - Pirana Line of Torrent at location 290 to 291 (OM Power)
18	09.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2710	Programme of inspection on the Project Highway for the month of February 2021.
19	09.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2711	Submission of company profile and Credentials M/S Bajaj Reinforcement LLP for Bajaj Fibre Guard fibrillated Polypropylene fibres to be used for PQC works
20	09.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2712	Submission of Compliance regarding RA Bill No. 01 for shifting of MGVCL Electrical lines, LT/HT crossing and TC center for Padra-2 Sub. division.(Poyaliya)
21	09.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2715	Closure of Non Conformance Report (NCR 17)
22	09.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2727	Compliance regarding Submission of HIT Rebar Design of M/s HILTI India Pvt. Ltd. for Rebar work in pedestal for Metallic Guide bearing for LP4 pier cap & Pin Bearing for LP3 Pier cap at Interchange at Ch. Km. 353+666
23	10.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2728	Submission to Authority by IE the Monthly Inspection Report No. 23 for January 2021 (Copy Enclosed).
24	10.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2730	Appointment of safety Consultants for Vadodara-Mumbai Expressway from KM 279.000 to Km 378.740 Packages- 1,2 & 3 on HAM - Letter of Award (LOA)

Details of Letter Correspondence From IRCON to PIL

Sr.	Date	Letter Number	Subject
25	10.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2731	Submission of proposal for construction of Chute drain with Geocell and Geotextile for slope protection work in project highway.
26	11.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2732	Monthly Payment Certificate- 5 (MPC-5) as per NHAI Circular under Atmanirbhar Bharat
27	11.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2733	Submission of profile for approval for the shifting of 400KV D/C Sugen- Pirana Line of TORRENT at Location 290 to 291 (OM Power)
28	11.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2734	Submission of profile for approval for the shifting of 400KV D/C Gandhar - Dehgam Line of PGCIL at Location 91 to 95 (OM Power)
29	11.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2735	Compliance regarding Submission of HIT Rebar Design of M/s HILTI India Pvt. Ltd. for Rebar work in pedestal for Metallic Guide bearing for LP4 pier cap & Pin Bearing for LP3 Pier cap at Interchange at Ch. Km. 353+666
30	11.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2736	Submission of credentials of Recron 3s, product of Ms Reliance Industries Limited for source approval of Microfiber
31	12.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2736	Submission of Revised Design & Drawings of Metallic Guide Bearing - 40 mtr span for Major Bridge at Ch. km. 336+810
32	12.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2737	Final Component Inspection of 36 mt. span steel girder to be used for ROB at Km. 352+668
33	12.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2738	Submission of Test Results of Borrow Area No. 20E and 103A
34	13.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2739	Guidelines for Annual Plantation Action Plan-2021-21
35	13.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2740	NOC required from NHAI for temporary electrical connection required at proposed wayside amenities area falling under MGVCL sub division padra-2
36	13.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2741	NOC required from NHAI for temporary electrical connection required at proposed wayside amenities area falling under MGVCL sub division padra-2
37	15.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2746	Hindrances / Encumbrances of Boundary Wall (GAIL Issues)
38	15.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2747	Review of Monthly Progress Report for the Month of January 2021 of the Concessionaire
39	15.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2755	Final Component inspection of 36 mt. Span Steel Girder to be used for ROB at km 352+968

Details of Letter Correspondence From IRCON to PIL

Sr.	Date	Letter Number	Subject
40	17.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2761	Compliance for submission of Shop Drawings of Strip Seal Type Expansion Joint for MNB at Ch. 354+636, MJB at 336+810, Interchange at Ch. 353+670, VOP at Ch. 326+957,ROB at Ch. 352+946 & MNB at Ch. 350+201 & at Ch. 350+143
41	17.02.2021	IRCON/ 3019/ VKE/ PATEL / 7006/ 2762	Reg. Issue of Work Certificate.
42	18.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2768	Details for way Side Amenities (WSA)
43	18.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2769	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP at Ch. 346+383
44	18.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2770	Submission of Revised Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for PUP/CUP AT Ch. 339+687
45	18.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2771	Details pertaining to Way Side Amenities (WSA)
46	18.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2772	Third Party testing of Material to be used in Steel Girder for VOP at Ch. 326+957
47	19.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2777	Submission of Design and Drawing of Compound Wall for Wayside Amenity at Ch. 346+060
48	19.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2778	Submission of Design and Drawing of Compound Wall for Wayside Amenity at Ch. 347+410
49	19.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2779	Compliance for Submission of HIT Rebar Design of M/s HILTI India Pvt. Ltd. for Rebar work in pedestal for Metallic Guide bearing for LP4 Pier cap & Pin Bearing for LP3 Pier cap at Interchange at Km. 353+666
50	20.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2782	Testing of Elastomeric Bearings manufactured by M/s Polymer Products for MNB at Ch. 350+201, VOP at Ch. 326+957, MNB at Ch. 354+636 and VOP at Ch. 349+441
51	20.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2783	Submission of Design and Drawing Document for Preliminary basis approval for Reinforced Soil approach ramps for LVUP at Ch. 325+769
52	20.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2784	Submission of GST/TDS amounts to be paid to M/s Torrent Power Grid Limited by NHAI
53	20.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2785	Non Conformance Report (NCR) No. 18 (Issued by IE Regarding RE Wall Alignment at Ch. 354+832 LVUP RHS A1 & A2 Side)
54	22.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2791	NOC regarding Insurance Claim Filed by Concessionaire
55	22.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2792	Request for issuance of NOC regarding Insurance Claim filed by Concessionaire.

Details of Letter Correspondence From IRCON to PIL

Sr.	Date	Letter Number	Subject
56	22.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2793	Reg. Testing of HT Strand.
57	23.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2794	RA Bill No. 01 for shifting of MGVCL Electrical lines, LT/HT crossing and TC center for Padra-1 Sub-Division. (Potaliya Enterprise)
58	23.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2795	Inspection Report of the Independent Engineer for the month of February 2021
59	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2798	Regarding approval of interim Extension of Time for Project Completion Schedule (Schedule - J)
60	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2800	Preliminary observation Memo (POM) issued by CAG Audit team
61	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2801	Design and Drawing of RCC Retaining wall up to 15 m height
62	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2802	Submission of company profile & credentials of M/s Berger Paints India Limited for source approval of Road marking paint and furniture paint
63	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2803	Regarding proposal for Construction of Toe Drain using Geo cell and Geotextile in Project Expressway
64	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2807	Technical data sheet for PQC Crack Filling material
65	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2808	Submission of consolidated list of additional works required as per site conditions proposed under change of scope in accordance with Article 16 of Concession Agreement along with supporting documents
66	24.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2809	Compliance regarding submission of Toll Plaza Building plan layout at Interchange Ch. 323+075
67	26.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2813	Release of Insurance Claim
68	26.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2814	Submission of Company profile of M/s Road Shield India Pvt. Limited for supply of Thrie Beam Crash barrier in Project Expressway
69	27.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2815	Non Conformance Report (NCR) no. 19 (Reg. Erection of Metal Beam Crash Barrier at Ch. 339+850 to 339+950 in Median (RHS) without source Approval)
70	27.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2816	Submission of Routine High Strain Dynamic Pile Load test report for Pile no. 09 (LA1) and for Pile no. 12 (RP1) at ROB at Ch. 352+946 conducted by the agency Unique Engineering Service

Status of Non Conformance Report (NCR)

Date	Ircon Letter	Subject		Date	PIL Letter	Subject	Date	Ircon Letter	Subject	Status
10.04.2019	IRCON/3019/ VKE/PATEL/ 278	Non Conformance Report (NCR 01)	1	17.04.2019	PIL/ HO/ VKP2/ IRCON/ 264 /2019	Compliance to observation's made on Embankment Construction - Reg.				
			2	11.05.2019	PIL/ HO/ VKP2/ IRCON/ 329 /2019	Compliance to observation's made on Embankment construction - Reg.	07.10.2019	IRCON/ 3019/ VKE/ PATEL / 877	Compliance to Observations made on Embankment construction.	
							07.10.2019	IRCON/ 3019/ VKE/ PATEL / 879	Closure of Non Conformance Report (NCR 01)	Closed
			3	18.05.2019	PIL/HO/ VKP2/ IRCON / 346/2019	Compliance to Observation's Made on Embankment Construction- Reg.	24.06.2019	IRCON/3019/ VKE/PATEL/ 537	Complaince to Observations Made on Embankment construction	
							07.10.2019	IRCON/ 3019/ VKE/ PATEL / 877	Compliance to Observations made on Embankment construction.	
							07.10.2019	IRCON/ 3019/ VKE/ PATEL / 879	Closure of Non Conformance Report (NCR 01)	Closed
			4	20.08.2019	PIL/ HO/ VKP2/ IRCON/ 592 /2019	Compliance to observations made on Embankment construction	07.10.2019	IRCON/ 3019/ VKE/ PATEL / 877	Compliance to Observations made on Embankment construction.	
							07.10.2019	IRCON/ 3019/ VKE/ PATEL / 879	Closure of Non Conformance Report (NCR 01)	Closed
20.05.2019	IRCON/3019/ VKE/ PIL / 1003/ 426	Non Conformance Report (NCR 02) - Reg.	1	11.06.2019	PIL/VK2/ IRCON/ 153 /2019	Submission of Non - Conformance Report (NCR 02)	13.07.2019	IRCON/ 3019/ VKE/ PATEL / 634	Closure of Non Conformance Report (NCR 02)	Closed
14.02.2020	IRCON/ 3019/ VKE/ PATEL / 1315	Non Conformance Report (NCR 03)	1	27.02.2020	PIL/ VK2/ IRCON/ 459 / 2020	Non Conformance Report (NCR for Ch . 335+120 to 335+220 LHS) (NCR03)	07.04.2020	IRCON/ 3019/ VKE/ PATEL / 1534	Closure of Non Conformance Reports (NCR 03)	Closed
18.02.2020	IRCON/ 3019/ VKE/ PATEL / 1341	Non Conformance Report (NCR 04)								Pending
16.07.2020	IRCON/ 3019/ VKE/ PATEL / 1818	Non Conformance Report (NCR) No. 5	1	10.08.2020	PIL/ VK2/ IRCON/ 589 / 2020	Request for Closer of NCR Issued Regarding exposed & rusting steel bars – Non Conformance Report (NCR) No. 5 Reg.				
			2	26.08.2020	PIL/ VK2/ IRCON/ 609 / 2020	Request for Closer of NCR 05 Issued Regarding exposed & rusting steel bars & Submission of physical & chemical test results of Steel. – Non Conformance Report (NCR) No. 5 Reg.	31.08.2020	IRCON/ 3019/ VKE/ PATEL / 1980	Closure of Non Conformance Report (NCR No : 05)	Closed
06.08.2020	IRCON/ 3019/ VKE/ PATEL / 1875	Non Conformance Report (NCR) No. 006 & 007 (Reg. Pile cage rusting at ROB 352+946 & Damaged DLC)	1	08.08.2020	PIL/ VK2/ IRCON/ 585 / 2020	Non Conformance Report (NCR) No. 006 & 007 (Reg. Pile cage rusting at ROB 352+946 & Damaged DLC)	14.08.2020	IRCON/ 3019/ VKE/ PATEL / 1910	Closure of Non Conformance Report (NCR No :06 & 07)	Closed
07.08.2020	IRCON/ 3019/ VKE/ PATEL / 1881	Non closure of NCR issued for improper stacking of steel bars - NCR no 5 , Non Conformance Report (NCR)	1	10.08.2020	PIL/ VK2/ IRCON/ 589 / 2020	Request for Closer of NCR Issued Regarding exposed & rusting steel bars – Non Conformance Report (NCR) No. 5 Reg.				
			2	26.08.2020	PIL/ VK2/ IRCON/ 609 / 2020	Request for Closer of NCR 05 Issued Regarding exposed & rusting steel bars & Submission of physical & chemical test results of Steel. – Non Conformance Report (NCR) No. 5 Reg.	31.08.2020	IRCON/ 3019/ VKE/ PATEL / 1980	Closure of Non Conformance Report (NCR No : 05)	Closed
10.10.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2170	Non Conformance Report (NCR) No. 008 (Reg. Rain cuts at Ch 349+750 to 349+950 BHS)	1	07.11.2020	PIL/ VK2/ IRCON/ 725 / 2020	Request for Closer of NCR 008 Issued Regarding rain cuts at Ch. 349+750 to 349+950 BHS, NCR 009 Issued Regarding rain cuts at Ch. 353+150 to 353+400 BHS & NCR 014 Issued Regarding rain cuts at Ch. 352+000 to 352+100 BHS. Non Conformance Report (NCR) No. 008, 009 & 014.	16.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2351	Closure of Non Conformance Report (NCR No. 008, 009, 010, 011, 012, 013 & 014)	Closed
10.10.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2171	Non Conformance Report (NCR) No. 009 (Reg. Rain cuts at Ch 353+150 to 353+400 BHS & Wate concrete material dumped on slope of Embankment)	1	07.11.2020	PIL/ VK2/ IRCON/ 725 / 2020	Request for Closer of NCR 008 Issued Regarding rain cuts at Ch. 349+750 to 349+950 BHS, NCR 009 Issued Regarding rain cuts at Ch. 353+150 to 353+400 BHS & NCR 014 Issued Regarding rain cuts at Ch. 352+000 to 352+100 BHS. Non Conformance Report (NCR) No. 008, 009 & 014.	16.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2351	Closure of Non Conformance Report (NCR No. 008, 009, 010, 011, 012, 013 & 014)	Closed

Status of Non Conformance Report (NCR)

Date	Ircon Letter	Subject		Date	PIL Letter	Subject	Date	Ircon Letter	Subject	Status
14.10.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2192	Non Conformance Report (NCR) No. 010, 011, 012. (Huge Rain cuts from Ch. 325+550 to 325+580 LHS, Ch. 327+580 to 327+650 BHS, Ch. 328+300 to 328+400 BHS)	1	23.10.2020	PIL/ VK2/ IRCON/ 700 / 2020	Request for Closer of NCR 010 Issued Regarding huge rain cuts at Ch. 325+550 to 325+580 LHS, NCR 011 Issued Regarding huge rain cuts at Ch. 327+580 to 327+650 BHS, NCR 012 Issued Regarding huge rain cuts at Ch. 328+300 to 328+400 BHS & NCR 013 Issued Regarding huge rain cuts observed both side at Ch. 336+350 to 336+600. Non Conformance Report (NCR) No. 010, 011, 012 & 013.	05.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2297	Non Conformance Report (NCR 10 , 11 , 12 , 13)	
							16.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2351	Closure of Non Conformance Report (NCR No. 008, 009, 010, 011, 012, 013 & 014)	Closed
			2	09.11.2020	PIL/ VK2/ IRCON/ 726 / 2020	Request for Closer of NCR 010 Issued Regarding huge rain cuts at Ch. 325+550 to 325+580 LHS, NCR 011 Issued Regarding huge rain cuts at Ch. 327+580 to 327+650 BHS, NCR 012 Issued Regarding huge rain cuts at Ch. 328+300 to 328+400 BHS & NCR 013 Issued Regarding huge rain cuts observed both side at Ch. 336+350 to 336+600. Non Conformance Report (NCR) No. 010, 011, 012 & 013.				
17.10.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2205	Non Conformance Report (NCR) No. 013. (Huge Rain cuts from Ch. 336+350 to 336+600 BHS)	1	23.10.2020	PIL/ VK2/ IRCON/ 700 / 2020	Request for Closer of NCR 010 Issued Regarding huge rain cuts at Ch. 325+550 to 325+580 LHS, NCR 011 Issued Regarding huge rain cuts at Ch. 327+580 to 327+650 BHS, NCR 012 Issued Regarding huge rain cuts at Ch. 328+300 to 328+400 BHS & NCR 013 Issued Regarding huge rain cuts observed both side at Ch. 336+350 to 336+600. Non Conformance Report (NCR) No. 010, 011, 012 & 013.	05.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2297	Non Conformance Report (NCR 10 , 11 , 12 , 13)	
							16.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2351	Closure of Non Conformance Report (NCR No. 008, 009, 010, 011, 012, 013 & 014)	Closed
			2	09.11.2020	PIL/ VK2/ IRCON/ 726 / 2020	Request for Closer of NCR 010 Issued Regarding huge rain cuts at Ch. 325+550 to 325+580 LHS, NCR 011 Issued Regarding huge rain cuts at Ch. 327+580 to 327+650 BHS, NCR 012 Issued Regarding huge rain cuts at Ch. 328+300 to 328+400 BHS & NCR 013 Issued Regarding huge rain cuts observed both side at Ch. 336+350 to 336+600. Non Conformance Report (NCR) No. 010, 011, 012 & 013.				
27.10.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2246	Non Conformance Report (NCR) No. 014 (Huge Rain cuts observed from ch. 352+000 to 352+100 BHS)	1	07.11.2020	PIL/ VK2/ IRCON/ 725 / 2020	Request for Closer of NCR 008 Issued Regarding rain cuts at Ch. 349+750 to 349+950 BHS, NCR 009 Issued Regarding rain cuts at Ch. 353+150 to 353+400 BHS & NCR 014 Issued Regarding rain cuts at Ch. 352+000 to 352+100 BHS. Non Conformance Report (NCR) No. 008, 009 & 014.	16.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2351	Closure of Non Conformance Report (NCR No. 008, 009, 010, 011, 012, 013 & 014)	Closed
05.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2297	Non Conformance Report (NCR Returned) (NCR 10 , 11 , 12 , 13)	1	09.11.2020	PIL/ VK2/ IRCON/ 726 / 2020	Request for Closer of NCR 010 Issued Regarding huge rain cuts at Ch. 325+550 to 325+580 LHS, NCR 011 Issued Regarding huge rain cuts at Ch. 327+580 to 327+650 BHS, NCR 012 Issued Regarding huge rain cuts at Ch. 328+300 to 328+400 BHS & NCR 013 Issued Regarding huge rain cuts observed both side at Ch. 336+350 to 336+600. Non Conformance Report (NCR) No. 010, 011, 012 & 013.				Closed
16.11.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2351	Closure of Non Conformance Report (NCR No. 008, 009, 010, 011, 012, 013 & 014)								Closed
11.12.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2440	Non Conformance Report (NCR) No. 15 (Reg. Huge Rain Cut from ch 329+450 to 329+650)	1	11.01.2021	PIL/ VK2/ IRCON/ 812 / 2021	Request for Closure of Non Conformance Repot (NCR) 15 issued Regarding huge rain cuts at Ch. 329+450 to 329+650.	13.01.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2578	Closure of Non Conformance Report (NCR 15)	Closed
29.12.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2503	Non Conformance Report (NCR) No. 17 (Reg. Vertical reinforcement for abutment wall are not placed as per drawing in the pile cap A1 RHS at MJB ch 336+810	1	03.02.2021	PIL/ VK2/ IRCON/ 853 / 2021	Non Conformance Report (NCR) No. 17	09.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2715	Closure of Non Conformance Report (NCR 17)	Closed
29.12.2020	IRCON/ 3019/ VKE/ PATEL /1003/ 2504	Non Conformance Report (NCR) No. 16 (Reg.Staging arrangement for box culvert of IC Flyover at ch 353+670 is not as per submitted design and drawing)								Pending
20.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2785	Non Conformance Report (NCR) No. 18 (Issued by IE Regarding RE Wall Alignment at Ch. 354+832 LVUP RHS A1 & A2 Side)								Pending
27.02.2021	IRCON/ 3019/ VKE/ PATEL / 1003/ 2815	Non Conformance Report (NCR) no. 19 (Reg. Erection of Metal Beam Crash Barrier at Ch. 339+850 to 339+950 in Median (RHS) without source Approval)								Pending

MONTHLY WEATHER REPORT

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

For The Month of February-2021

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

S. No.	DATE	TEMPRATURE (°C)		HUMIDITY (%)		RAINFALL (mm)	CUMM. RAINFALL (mm)	WEATHER	REMARKS
		Min.	Max.	Min.	Max.				
1	01-Feb-21	16.80	27.80	24.00	68.00	-	-	Sunny	
2	02-Feb-21	16.60	29.60	23.00	65.00	-	-	Sunny	
3	03-Feb-21	16.50	30.90	23.00	71.00	-	-	Sunny	
4	04-Feb-21	16.80	31.20	44.00	68.00	-	-	Sunny	
5	05-Feb-21	16.50	31.80	26.00	64.00	-	-	Sunny	
6	06-Feb-21	16.80	32.20	22.00	68.00	-	-	Sunny	
7	07-Feb-21	17.20	30.80	24.00	65.00	-	-	Sunny	
8	08-Feb-21	16.80	30.50	22.00	69.00	-	-	Sunny	
9	09-Feb-21	17.20	31.60	24.00	67.00	-	-	Sunny	
10	10-Feb-21	17.30	30.20	24.00	58.00	-	-	Sunny	
11	11-Feb-21	17.40	30.80	24.00	65.00	-	-	Sunny	
12	12-Feb-21	16.90	31.00	22.00	59.00	-	-	Sunny	
13	13-Feb-21	17.30	31.00	23.00	56.00	-	-	Sunny	
14	14-Feb-21	21.10	30.50	23.00	68.00	-	-	Sunny	
15	15-Feb-21	20.30	30.70	37.00	71.00	-	-	Sunny	
16	16-Feb-21	20.00	29.10	37.00	70.00	-	-	Sunny	
17	17-Feb-21	19.90	30.20	32.00	71.00	-	-	Sunny	
18	18-Feb-21	21.40	31.00	30.00	76.00	-	-	Sunny	
19	19-Feb-21	21.20	30.50	30.00	65.00	-	-	Sunny	
20	20-Feb-21	20.50	30.70	20.00	55.00	-	-	Sunny	
21	21-Feb-21	20.90	31.30	23.00	70.00	-	-	Sunny	
22	22-Feb-21	21.60	32.70	23.00	66.00	-	-	Sunny	
23	23-Feb-21	21.30	32.80	22.00	68.00	-	-	Sunny	
24	24-Feb-21	21.10	32.00	20.00	67.00	-	-	Sunny	
25	25-Feb-21	20.70	33.10	21.00	68.00	-	-	Sunny	
26	26-Feb-21	20.50	32.70	22.00	71.00	-	-	Sunny	
27	27-Feb-21	22.20	33.00	23.00	69.00	-	-	Sunny	
28	28-Feb-21	22.40	33.10	32.00	68.00	-	-	Sunny	

Cummulative Rainfall Till Date	**mm**

EPC Representative | Concessionaire Representative | IE Representative

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

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

MONTHLY QUALITY CONTROL AND ASSURANCE STATEMENT UPTO 28th FEBRUARY-2021

(ROUTINE QUALITY CONTROL TEST IN PACKAGE-II LABORATORY)

S. No.	Description	Frequency of Tests	Reference clause of test frequency	Quantity upto previous month	Quantity during Month	Upto Date quantity	Unit of Quantity	Total No of tests upto previous month			No. of tests during the month			Total No of upto date test			Test Witnessed by IE	Remarks
								Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
1.0 Tests on Borrow areas for Embankment and Subgrade								**44951**	**44886**	**68**	**987**	**987**	**0**	**48803**	**45873**	**68**	**197**	
1.1	FSI	1 test /1500 m^3	Mutually Agreed	10272535.6	179237.90	10451773.5	Cum	5460	5460	0	120	120	0	5580	5580	0	24	
1.2	Grain Size Analysis	1 test /1500 m^3	Mutually agreed				Cum	5460	5460	0	120	120	0	5580	5580	0	24	
1.3	LL / PL / PI	1 test /1500 m^3	Morst&h Clause 903.2.1				Cum	5460	5460	0	120	120	0	5580	5580	0	24	
1.4	MDD / OMC	1 test /1500 m^3	Morst&h Clause 903.2.1				Cum	5460	5460	0	120	120	0	5580	5580	0	24	
1.5	CBR Test	1 test /3000 m^3	Morst&h Clause 903.2.1				Cum	948	889	59	0	0	0	948	889	59	0	
1.6	Field Density (Emb. Layer)	1 test /3000 m^2	Morst&h Clause 903.2.2	38100460.9	716951.6	38817412.5	Sqm	19066	19062	4	239	239	0	19305	19301	4	48	
1.7	Field Density (Sub. Layer)	1 Set /2000 m^2	Morst&h Clause 903.2.3	2821022.0	460755.1	3281777.1	Sqm	3097	3095	5	230	230	0	6192	3325	5	46	
1.8	Field Density (Shoulder)	1 Set /2000 m^2	Morst&h Clause 903.2.3	0.0	75849.2	75849.2	Sqm	0	0	0	38	38	0	38	38	0	8	
2.0 Tests on OGL Samples(MCW & SR)								**4086**	**4078**	**8**	**0**	**0**	**0**	**4086**	**4078**	**8**	**0**	
2.1	FSI	1 test /250 m	Mutually agreed				Km	226	226	0	0	0	0	226	226	0	0	
2.2	Grain Size Analysis	1 test /250 m	Mutually agreed				Km	226	226	0	0	0	0	226	226	0	0	
2.3	LL / PL / PI	1 test /250 m	Mutually agreed				Km	226	226	0	0	0	0	226	226	0	0	
2.4	MDD / OMC	1 test /250 m	Mutually agreed				Km	226	226	0	0	0	0	226	226	0	0	
2.5	CBR Test	As required	Mutually Agreed				Km	30	30	0	0	0	0	30	30	0	0	
2.6	Field Density (Emb. Layer)	1 test /1000 m^2	Morst&h Clause 903.2.2				Sqm	3152	3144	8	0	0	0	3152	3144	8	0	
3.0 Backfilling Structure Work								**1110**	**1105**	**5**	**10**	**10**	**0**	**1120**	**1115**	**5**	**2**	
3.1	FSI	1 test /1500 m^3	Mutually Agreed	229500.0	0.00	229500.0	Cum	153	153	0	0	0	0	153	153	0	0	
3.2	Grain Size Analysis	1 test /1500 m^3	Mutually agreed				Cum	153	153	0	0	0	0	153	153	0	0	
3.3	LL / PL / PI	1 test /1500 m^3	Morst&h Clause 903.2.1				Cum	153	153	0	0	0	0	153	153	0	0	
3.4	MDD / OMC	1 test /1500 m^3	Morst&h Clause 903.2.1				Cum	153	153	0	0	0	0	153	153	0	0	
3.5	Field Density (Emb. Layer)	1 test /3000 m^2	IRC SP 102, Cl. 4.2	691325.0	8125.00	699450.0	Sqm	498	493	5	10	10	0	508	503	5	2	

EPC Representative

PMC Representative

MONTHLY QUALITY CONTROL AND ASSURANCE STATEMENT UPTO 28th FEBRUARY-2021

(ROUTINE QUALITY CONTROL TEST IN PACKAGE-II LABORATORY)

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								Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
4.0 Tests on Granular Sub - Base Course(GSB)								**4548**	**4548**	**0**	**525**	**525**	**0**	**4778**	**4778**	**0**	**105**	
4.1	Gradation	1 test /400 m^3	Morth Cl. 903.3.3.1				cum	753	753	0	115	115	0	868	868	0	23	
4.2	LL / PL / PI	1 test /400 m^3	Morth Cl. 903.3.3.1				cum	717	717	0	115	115	0	832	832	0	23	
4.3	MDD/OMC	As required	Mutually Agreed	247247.68	43990.74	291238.42	cum	42	42	0	0	0	0	42	42	0	0	
4.4	CBR test	As required	Morth Cl. 903.3.3.1				cum	8	8	0	0	0	0	8	8	0	0	
4.5	10 Percent fine value	1 per Batch	Mutually Agreed				cum	2	2	0	0	0	0	2	2	0	0	
4.6	Field Density	1 test /1000 m2	Morth Cl. 903.3.3.1	1940301.9	293266.67	2233568.57	Sqm	3026	3026	0	295	295	0	3026	3026	0	59	
5.0 Tests on Aggregate Base Course(WMM)								**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
5.1	Mix aggregate Gradation	1 test /100 m3	Morth Cl. 903.3.1 (Table 900-3)				Cum	0	0	0	0	0	0	0	0	0	0	
5.2	Plasticity Index	1 test /100 m3	Morth Cl. 903.3.1 (Table 900-3)				Cum	0	0	0	0	0	0	0	0	0	0	
5.3	Aggregate Impact Value	1 test /200 m3	Morth Cl. 903.3.1 (Table 900-3)				Cum	0	0	0	0	0	0	0	0	0	0	
5.4	Flakiness & Elongation Test	1 test /200 m3	Morth Cl. 903.3.1 (Table 900-3)				Cum	0	0	0	0	0	0	0	0	0	0	
5.5	Water Absorption	As required	Mutually Agreed				Cum	0	0	0	0	0	0	0	0	0	0	
5.6	Proctor Test	As required	Mutually Agreed				Cum	0	0	0	0	0	0	0	0	0	0	
5.7	Field Density	1 test /500 m2	Morst&h Table No. 900-3				Sqm	0	0	0	0	0	0	0	0	0	0	
6.0 Bitumen								**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
6.1	Specific Gravity	1 test per lot/Batch	IS 73-Table 2				MT	0	0	0	0	0	0	0	0	0	0	
6.2	Penetration @ 25 degree	1 test per sample	Table no. 2 of IS 73 and Cl. 7				MT	0	0	0	0	0	0	0	0	0	0	
6 3	Softening point (R & B)	1 test per sample	Table no. 2 of IS 73 and Cl. 7				MT	0	0	0	0	0	0	0	0	0	0	
6.4	Absolute viscosity @ 60 degree	1 test per Sample	Table no. 2 of IS 73 and Cl. 7				MT	0	0	0	0	0	0	0	0	0	0	
6.5	Kinematic Viscosity @ 135 degree	1 test per Sample	Table no. 2 of IS 73 and Cl. 7				MT	0	0	0	0	0	0	0	0	0	0	

EPC Representative

PMC Representative

MONTHLY QUALITY CONTROL AND ASSURANCE STATEMENT UPTO 28th FEBRUARY-2021

(ROUTINE QUALITY CONTROL TEST IN PACKAGE-II LABORATORY)

S. No.	Description	Frequency of Tests	Reference clause of test frequency	Quantity upto previous month	Quantity during Month	Upto Date quantity	Unit of Quantity	Total No of tests upto previous month			No. of tests during the month			Total No of upto date test			Test Witnessed by IE	Remarks
								Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
7.0 Fine Aggregate(Sand for Concrete)								**1210**	**1210**	**0**	**56**	**56**	**0**	**1266**	**1266**	**0**	**11**	
7.1	Sieve Analysis (Gradation)	1 test per sublot divided	IS 2386 (Part-1) Mort&h C-1008				MT	593	593	0	28	28	0	621	621	0	6	
7.2	Material passing 75 micron (Silt Content)	1 test per sublot divided	IS 2386 (Part-1)Mort&h C-1008				MT	593	593	0	28	28	0	621	621	0	6	
7.3	Water absorption	1 test per sublot divided	IS 2386 (Part-3)Mort&h C-1008				MT	12	12	0	0	0	0	12	12	0	0	
7.4	Specific gravity (SSD)	1 test per sublot divided	IS 2386 (Part-3)Mort&h C-1008				MT	12	12	0	0	0	0	12	12	0	0	
8.0 Coarse Aggregate(For Concrete)								**1309**	**1309**	**0**	**36**	**36**	**0**	**1345**	**1345**	**0**	**7**	
8.1	Sieve Analysis (Gradation)	1 test per sublot divided	IS 2386 (Part-1)Mort&h C-1007				MT	594	594	0	28	28	0	622	622	0	6	
8.2	Aggregate Impact Value	1 test per sublot divided	IS 2386 (Part-4)Mort&h C-1007				MT	348	348	0	4	4	0	352	352	0	1	
8.3	Flakiness Index.	1 test per sublot divided	IS 2386 (Part-1)Mort&h C-1007				MT	349	349	0	4	4	0	353	353	0	1	
8.4	Specific gravity (SSD)	1 test per sublot divided	IS 2386 (Part-3)Mort&h C-1007				MT	9	9	0	0	0	0	9	9	0	0	
8.5	Water absorption	1 test per sublot divided	IS 2386 (Part-3)Mort&h C-1007				MT	9	9	0	0	0	0	9	9	0	0	
8.6	Los Angeles Abrasion Value	1 test per sublot divided	IS 2386 (Part-4)Mort&h C-1007				MT	0	0	0	0	0	0	0	0	0	0	
8.7	Material passing 75 micron	1 test per sublot divided	IS 2386 (Part-1)Mort&h C-1007				MT	0	0	0	0	0	0	0	0	0	0	
9.0 Cement								**2096**	**2096**	**0**	**150**	**150**	**0**	**2246**	**2246**	**0**	**30**	
	Physical Tests																	
9.1	Standard Consistancy Test	1 test per lot	IS 4031 (Part-4)Mort&h C-1006				MT	347	347	0	27	27	0	374	374	0	5	
9.2	Soundness Test	1 test per lot	IS 4031 (Part-3)Mort&h C-1006				MT	0	0	0	0	0	0	0	0	0	0	
9.3	Setting time Test	1 test per lot	IS 4031 (Part-6) Mort&h C-1006				MT										0	
	(a) Initial Setting time						MT	347	347	0	27	27	0	374	374	0	5	
	(b) Final Setting Time						MT	347	347	0	27	27	0	374	374	0	5	
9.4	Compressive Strength Test	1 test per lot	IS 4031 (Part-5)Mort&h C-1006				MT											
	(A) 72+ 1 Hr strength						MT	378	378	0	27	27	0	405	405	0	5	
	(b) 168 + 2 Hr. strength						MT	347	347	0	25	25	0	372	372	0	5	
	(c) 672 + 4 Hr. strength						MT	330	330	0	17	17	0	347	347	0	3	

EPC Representative

PMC Representative

MONTHLY QUALITY CONTROL AND ASSURANCE STATEMENT UPTO 28th FEBRUARY-2021

(ROUTINE QUALITY CONTROL TEST IN PACKAGE-II LABORATORY)

S. No.	Description	Frequency of Tests	Reference clause of test frequency	Quantity upto previous month	Quantity during Month	Upto Date quantity	Unit of Quantity	Total No of tests upto previous month			No. of tests during the month			Total No of upto date test			Test Witnessed by IE	Remarks
								Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
10.0 Site Concrete								**29130**	**29130**	**0**	**3390**	**3390**	**0**	**32520**	**32520**	**0**	**678**	
10.1	Grouting	Frequency according to table 1700-8	As per Morth 1716.2.4				Cum											
	7 days compressive strength						Cum	35	35	0	26	26	0	61	61	0	0	
	28 days compressive strength						Cum	68	68	0	56	56	0	124	124	0	0	
10.2	M 15 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4		0.00		Cum											
	7 days compressive strength						Cum	0	0	0	0	0	0	0	0	0	0	
	28 days compressive strength						Cum	0	0	0	0	0	0	0	0	0	0	
10.3	M 20 Kerb	Frequency according to table 1700-8	As per Morth 1716.2.4		108.500		Cum											
	7 days compressive strength						Cum	67	67	0	19	19	0	86	86	0	4	
	28 days compressive strength						Cum	81	81	0	86	86	0	167	167	0	17	
10.4	M 20 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4		3450.24		Cum											
	7 days compressive strength						Cum	1445	1445	0	334	334	0	1779	1779	0	67	
	28 days compressive strength						Cum	2630	2630	0	475	475	0	3105	3105	0	95	
10.5	M 25 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4				Cum											
	7 days compressive strength						Cum	0	0	0	0	0	0	0	0	0	0	
	28 days compressive strength						Cum	0	0	0	0	0	0	0	0	0	0	
10.6	M 30 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4		1322.15		Cum											
	7 days compressive strength						Cum	1077	1077	0	72	72	0	1149	1149	0	14	
	28 days compressive strength						Cum	3281	3281	0	265	265	0	3546	3546	0	53	
10.7	M 35 Pile	Frequency according to table 1700-8	As per Morth 1716.2.4		0.00		Cum											
	7 days compressive strength						Cum	1039	1039	0	0	0	0	1039	1039	0	0	
	28 days compressive strength						Cum	5352	5352	0	0	0	0	5352	5352	0	0	

EPC Representative

PMC Representative

MONTHLY QUALITY CONTROL AND ASSURANCE STATEMENT UPTO 28th FEBRUARY-2021

(ROUTINE QUALITY CONTROL TEST IN PACKAGE-II LABORATORY)

S. No.	Description	Frequency of Tests	Reference clause of test frequency	Quantity upto previous month	Quantity during Month	Upto Date quantity	Unit of Quantity	Total No of tests upto previous month			No. of tests during the month			Total No of upto date test			Test Witnessed by IE	Remarks
								Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
10.7	M 35 RE	Frequency according to table 1700-8	As per Morth 1716.2.4		0.00		Cum											
	7 days compressive strength						Cum	161	161	0	0	0	0	161	161	0	0	
	28 days compressive strength						Cum	604	604	0	0	0	0	604	604	0	0	
10.7	M 35 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4		5002.41		Cum											
	7 days compressive strength						Cum	1652	1652	0	75	75	0	1727	1727	0	15	
	28 days compressive strength						Cum	6068	6068	0	198	198	0	6266	6266	0	40	
10.8	M 40 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4		126.187		Cum											
	7 days compressive strength						Cum	238	238	0	34	34	0	272	272	0	7	
	28 days compressive strength						Cum	626	626	0	65	65	0	691	691	0	13	
10.9	M 45 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4		444.249		Cum											
	7 days compressive strength						Cum	173	173	0	30	30	0	203	203	0	6	
	28 days compressive strength						Cum	526	526	0	112	112	0	638	638	0	22	
10.1	M 50 Grade	Frequency according to table 1700-8	As per Morth 1716.2.4		437.515		Cum											
	7 days compressive strength						Cum	67	67	0	30	30	0	97	97	0	6	
	28 days compressive strength						Cum	201	201	0	79	79	0	280	280	0	16	
10.11	DLC Concrete	3 samples per 1000 sqm	As per Morth 903.5.1.1	190062.97	44000.00	234062.97	Cum											
	7 days compressive strength						Cum	584	584	0	294	294	0	878	878	0	59	
	Insitu Density	3 density holes per 1000 sqm	As per Morth 903.5.1.2				Cum	1337	1337	0	294	294	0	1631	1631	0	59	
10.12	PQC Grade Concrete	3 cubes and 3 beams per 150 cum or Min 6 cubes or 6 beams per day	As per Morth 1716.2.4	263899.64	56250.00	320149.64	Cum											
	7 days compressive strength						Cum	218	218	0	95	95	0	313	313	0	19	
	28 days compressive strength						Cum	691	691	0	328	328	0	1019	1019	0	66	
10.13	7 days flexural strength						Cum	218	218	0	95	95	0	313	313	0	19	
	28 days fexural strength						Cum	691	691	0	328	328	0	1019	1019	0	66	

EPC Representative

PMC Representative

MONTHLY QUALITY CONTROL AND ASSURANCE STATEMENT UPTO 28th FEBRUARY-2021

(ROUTINE QUALITY CONTROL TEST IN PACKAGE-II LABORATORY)

S. No.	Description	Frequency of Tests	Reference clause of test frequency	Quantity upto previous month	Quantity during Month	Upto Date quantity	Unit of Quantity	Total No of tests upto previous month			No. of tests during the month			Total No of upto date test			Test Witnessed by IE	Remarks
								Tested	Passed	Failed	Tested	Passed	Failed	Tested	Passed	Failed		
11.0	Slump Test							1094	1094	0	711	711	0	1805	1805	0	142	
11.1	M 10 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	0	0	0	0	0	0	0	0	0	0	
	Slump test at Plant						Cum	0	0	0	0	0	0	0	0	0	0	
11.2	M 15 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	0	0	0	0	0	0	0	0	0	0	
	Slump test at Plant						Cum	0	0	0	0	0	0	0	0	0	0	
11.3	M 20 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	103	103	0	65	65	0	168	168	0	13	
	Slump test at Plant						Cum	103	103	0	65	65	0	168	168	0	13	
11.4	M 25 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	0	0	0	0	0	0	0	0	0	0	
	Slump test at Plant						Cum	0	0	0	0	0	0	0	0	0	0	
11.5	M 30 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	76	76	0	42	42	0	118	118	0	8	
	Slump test at Plant						Cum	76	76	0	42	42	0	118	118	0	8	
11.6	M 35 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	127	127	0	36	36	0	163	163	0	7	
	Slump test at Plant						Cum	127	127	0	36	36	0	163	163	0	7	
11.7	M 40 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	84	84	0	18	18	0	102	102	0	4	
	Slump test at Plant						Cum	84	84	0	18	18	0	102	102	0	4	
11.8	M 45 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	69	69	0	22	22	0	91	91	0	4	
	Slump test at Plant						Cum	69	69	0	22	22	0	91	91	0	4	
11.9	M 50 Grade	1 test(on composite samples) per each mixture unit	As per IS 1199 cl. 3.2 and 3.3				Cum											
	Slump test at Site						Cum	46	46	0	15	15	0	61	61	0	3	
	Slump test at Plant						Cum	46	46	0	15	15	0	61	61	0	3	
11.10	PQC Grade Concrete	1 test per per each dumper	As per Morth Cl. 904.5.2.4 (Table-900-6)				Cum											
	Slump test at Site						Cum	0	0	0	110	110	0	110	110	0	22	
	Slump test at Plant						Cum	0	0	0	110	110	0	110	110	0	22	
11.11	Texture Depth Test	Per day 5 Measurements	As per MORT&H Cl. 602.9.8.4 (Table-600-2)					84	84	0	95	95	0	179	179	0	19	
	Total Tests							89534	89456	81	5865	5865	0	97969	95026	81	1173	
	Total Laboratory tests							61445	61384	64	4373	4373	0	68683	65757	64	875	
	Total Field Tests							28089	28072	17	1492	1492	0	29286	29269	17	298	

EPC Representative

PMC

PMC Representative

XI. ACCIDENT REPORT

Month : February 2021

Accident Report

Status	Minor	Serious	Serious (RU)	Fatal	Fatal (Road user)	Property Damage	Property Damage (Rental)
Upto Previous Accidents	2	1	0	2	0	1 Dumper	0
This Month	0	0	0	0	0	0	0
Total Accidents upto December 2020	2	1	0	2	0	1 Dumper	0

324+193 MNB cast in situ PSC Girder

323+074 Interchange

326+957 VOP

323+500 Retaining Wall completed

330+640 MNB Girder launching in Progress

337+022 LVUP Approaches in Progress

336+810 MJB LA1 Pile cap Casting Completed

341+600 LVUP Approach RS Wall in Progress

344+360 to 344+100 Approach & RS Wall of flyover in Progress

344+383 Flyover

350+143 MNB approaches earthwork in Progress

343+566 MNB girder launching Work

345+653 CUP Approach completed

347+108 CUP Approaches in Progress

353+666 Interchange Girder launching in progress

352+946 ROB Abutment wall work in Progress

DLC work is in Progress at km 338

DLC work at Km 323

DLC at KM 340

DLC Layer FDD Testing at Ch 346+960 to347+060

PQC Work at Km 324

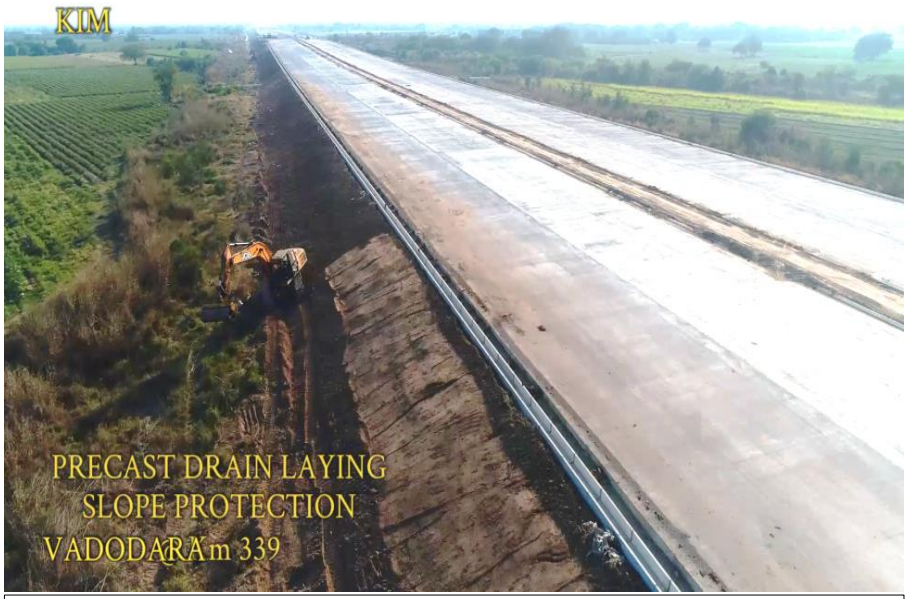
PQC Work at Km 324

PQC Work at Km 324

PQC Work at Km 324

Texturing of PQC 326+464 to 326+791 LHS

Curing compound spraying 326+459 to 326+786 LHS



Precast U Drain & Slope Protection at km 339

FDD TESTING Ramp 3 at ch 0+560 to 0+760 3rd layer LHS

Road Status from KM 332 to 340

Precast U Drain Placing work is in Progress at Km 338

Slope Protection with GEO Cell at KM 334

Slope Protection with GEO Cell & Coir Mate at KM 335

Fencing work 339+300 to 339+500

Fencing & Toe Drain at Km 338

Slope protection work & toe drain excavation at km 334

Watering grass over Slope at Km 335

349+441 VOP 2nd lift jacketing Pouring in progress

Kerb Finishing at ch 326 + 600

Retaining wall 4th Lift concrete Pouring 331+990 to 332+010

Geo Textile Laying at ch 343+200

350+143 MNB Girder concrete pouring

336+810 MJB PSC Girder concrete Pouring work

Slope Rolling work going on@340+200 RHS

350+143 MNB Retaining wall Raft Concrete Pouring

354+636 MNB A2 Segment 4 Abt. Cap concrete Pouring

345+978 Box Culvert Service Road RHS slab Haunch Wall Concrete Pouring

Slope Dressings CH 354+040 TO 354+200 LHS

Slope rolling work going on@349+850 RHS