Every Milestone is our Value

PVKEPL/HO/VKP3/IE/138/2022 Date:- 07.09.2022

To,
Team Leader
M/s. Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.,
House No.2, Auroville,
Opp. C.M Patel Farm,
Behind DPS School, Kalali,
Vadodara-390012, Gujarat.

Project:- Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 292.00 (Sanpa to Manubar Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III).

Subject: Submission of Monthly Progress Report for the Month of August 2022-Reg.

Dear Sir,

With reference to above subject matter and accordance with provision provided under Clause 13.1 of the concession agreement, we are herein submitting the Monthly Progress Report for the month of August 2022.

This is for your review and record please.

Thanking you,
Yours Faithfully,
For, Patel Vadodara-kim Expressway Pvt. Limited

Pankaj Sachan
General Manager (Tech.)
Authorized Signatory
Enc.:- As above.
Copy to: GM (Tech) & Project Director, National Highway Authority of India,PIU,Godhra,Plot No. 27,Gayatri Nagar,Near Royal Residency, Bamroli Road, Godhra,District Panchmahal -389001 Encl.:As Above. -This is for your information and record please.

Patel Vadodara-Kim Expressway Private Limited
Regd. Office
"PATEL HOUSE", Beside Prakruti Resort, Chhani Road, Chhani, NH 8, Vadodara - 391740, Gujarat, India
Ph.: +91 265 277 6678, 277 7778 | Fax: +91 265 277 7878 | Email: ho@patelinfra.com | Website : www.patelinfra.com
CIN : U45309GJ2018PTC101801

सड़क परिवहन और राजमार्ग मंत्रालय
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
भारत सरकार Government of India

NATIONAL HIGHWAYS AUTHORITY OF INDIA
(Ministry of Road Transport and Highways)

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 292.00 (Sanpa to Manubar Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)

MONTHLY PROGRESS REPORT 40
FOR THE MONTH OF August-2022

Every Milestone is Our Value

Client	: NATIONAL HIGHWAYS AUTHORITY OF INDIA.
Concessionaire	: Patel Vadodara - Kim Expressway Private Limited.
Independent Engineer	: Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.
EPC Contractor	: Patel infrastructure Limited.

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1.0 EXECUTIVE SUMMARY

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

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

This report covers the activities for the month of August 2022. The Embankment work of the main carriageway is started and 29.371 Km of work is in progress and Embankment top in 29.243 Km, Sub grade top 29.243 Km, Granular Sub base in 29.189 km, Dry Lean Concrete in 29.189 Km and Pavement Quality Concrete completed in 28.169 km. The overall Physical progress as on 31st August 2022 is assessed to be approximately 95.85%. The financial progress achieved as on 31st August 2022 is assessed to be 93.55%.

The Project involves the Eight Lane new alignment with divided carriageway having total 119 structures which include 1-ROB, 1-Flyover, 1-VOP, 3-MJBs.

The Major National Highways and State Highways intersecting the project corridor are NH-228, SH-161.

1.1 Construction progress in current month

Key reporting metrics	Value/ %/ Amount
Scheduled Physical Progress (%)	100.00%
Cumulative Physical Progress up to current month (%)	95.85 %
Physical Progress Achieved during current month (%)	0.025 %
Financial progress (%)	93.55 %
Cumulative Expenditure till date (Rs Cr)	1601.63 Cr.
Number of pending COS proposals(2 No of Box Culverts, 3 HP Culverts, Negative COS for 2 Minor Bridges, Modification of Normal lane to ETC Lane & ATMS COS)	7 nos.
Amount for pending COS (Rs Cr)	4.05 Cr.

1.2 Project Synopsis

National Highways Authority of India plans to undertake the Construction of new alignment 8-lane from Sanpa to Manubar from Km 323.00 to Km 292.00 in the State of Gujarat under NHDP Phase-VI on Hybrid Annuity Mode (Length 31.00 Km.) – Package III.

The project involves new alignment from Km 323.00 to Km 292.00 the 8-lane divided carriageway. It includes the construction of bridges, intersections, Connecting roads, culverts and related infrastructure, and the installation of signaling systems and signboards. The project will be developed under National Highways Development Project (NHDP) Phase-VI on Hybrid Annuity Mode.

Proposed alignment

Sr.No	Design Chainage		Length	Village	Remark
1	323+000	321+600	1.40	Matar Talpad	
2	321600	318+900	2.70	Suthodara	
3	318+900	317+200	1.70	Danda	
4	317+200	314+300	2.90	Dora	
5	314+300	310+900	3.40	Simartha	
6	310+900	307+750	3.15	Kurchan	
7	307+750	305+550	2.20	Karela	
8	305+550	301+200	4.35	Kelod	
9	301+200	300+500	0.70	Tralsa	
10	300+500	297+550	2.95	Dayadara	
11	297+550	296+050	1.50	Tralsi	
12	296+050	293+850	2.20	Derol	
13	293+850	292+700	1.15	Tham	
14	292+700	292+000	0.70	Manubar	
		Total	**31**	**Km**	

1.3 Strip Plan (Summary)

1. Work front Unavailable & reason for Unavailability			2. Length completed by layer (MCW)				3. Length completed by layer (Service Road)		
	Length (km)	% Total Pending Length		Length (km)		% Total Length		Length (km)	%Total Length
				Completed	In Progress				
Total Length	31.00	100.0%	Total Length	29.371		100.0%	Total Length	1.495	100.0 %
Pending Land Acquisition(A)	0.00	0.00%	Total Length Completed (Till PQC)	29.169		**99.31%**	Total Length Completed (Till DBM)	-	-
Pending Clearances Encumbrances(Utilities like electrical, water ,tree cutting)(B)	0.000	0.00%					BC	-	-
			DLC	29.189		**99.38%**	DBM	-	-
Total Work front Unavailable (C=A+B)	0.000	0.00%	GSB	29.189		**99.38%**	WMM	-	-
			Sub-Grade	29.243		**99.56%**	GSB	0.98	65.55%
			Embankment Top	29.243	0.128	**99.56%**	Sub-Grade	0.98	65.55%
			C&G	29.371		100.00%	C&G	0.98	65.55%

Work Stopped Since 29.05.2022 From Ch 297+000 to 323+000 due to Agitation of Project Affected People (PAPS) for demand of enhanced compensation.

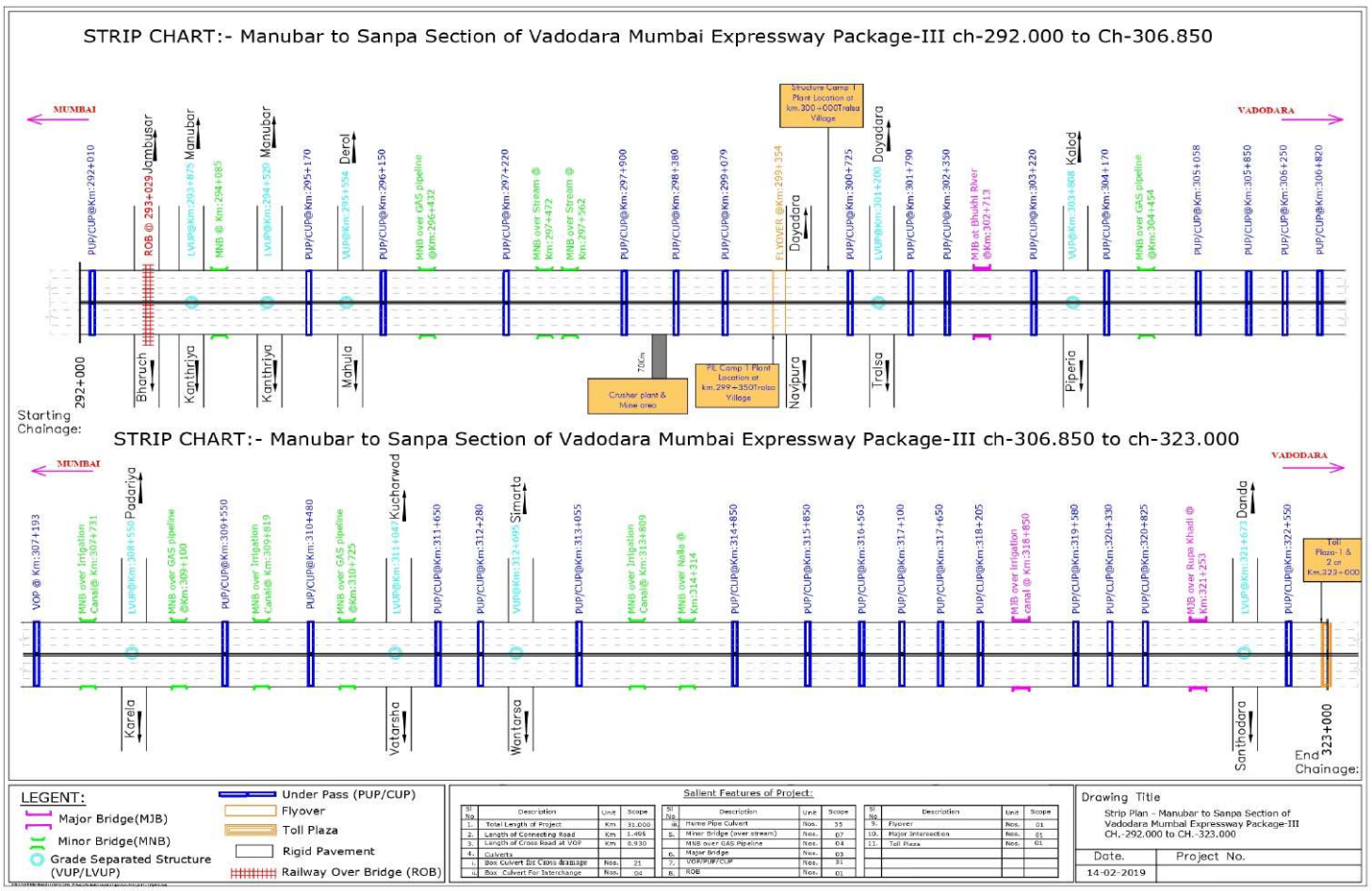
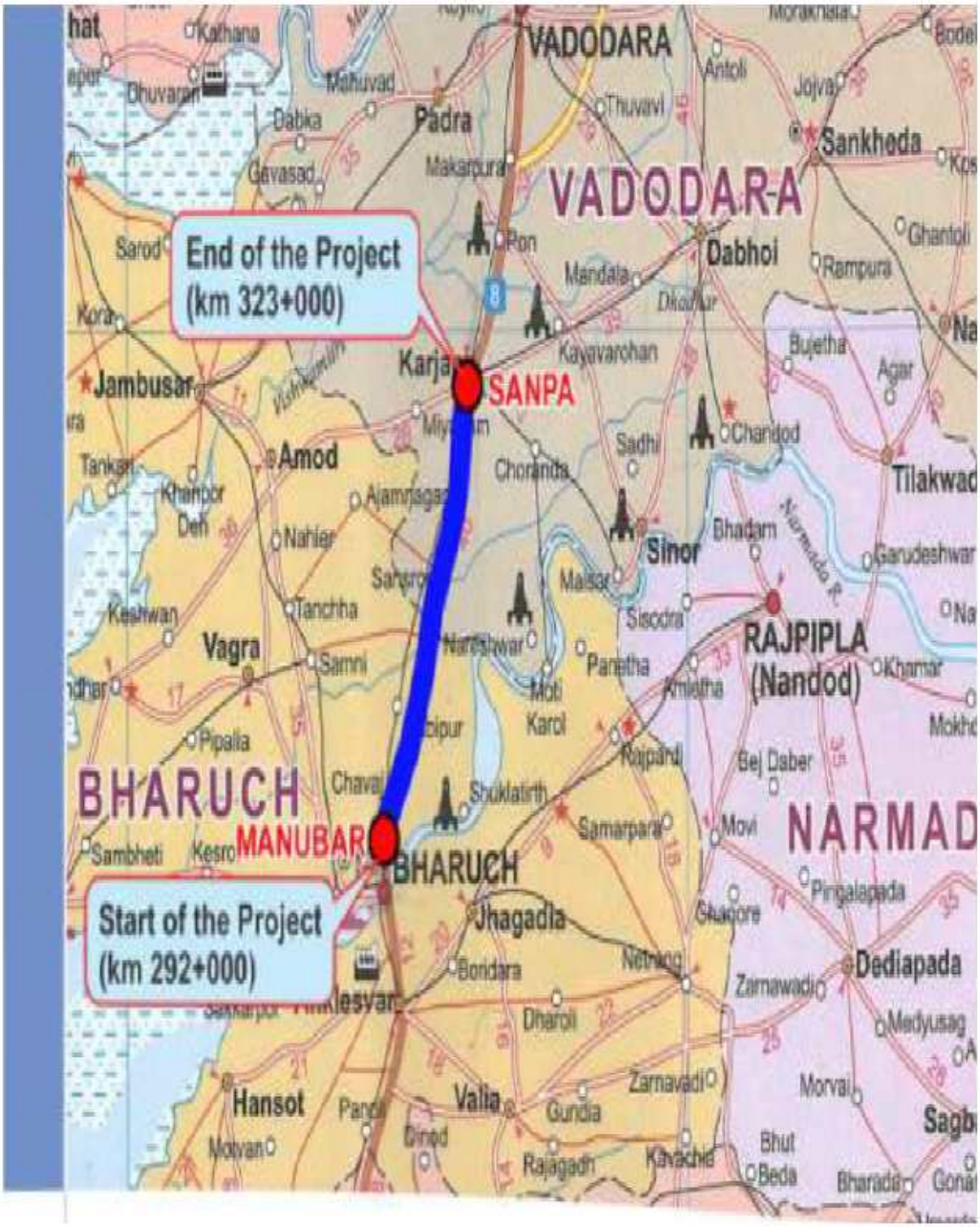

STRIP CHART:- Manubar to Sanpa Section of Vadodara Mumbai Expressway Package-III ch-292.000 to Ch-306.850
MUMBAI
VADODARA
Starting Chainage:
292+000
Bharuch
Kanthriya
Kanthriya
Mahula
Navipura
Tralsa
Piperia
Dayadara
Kalod
Jambusar
Manubar
Manubar
Derol
Structure Camp-1 Plant Location at km.300+600Tralsa Village
P.L Camp-1 Plant Location at km.299+350Tralsa Village
Crusher plant & Mine area
STRIP CHART:- Manubar to Sanpa Section of Vadodara Mumbai Expressway Package-III ch-306.850 to ch-323.000
MUMBAI
VADODARA
End Chainage:
323+000
Karela
Vatarsa
Wantarsa
Santhodara
Padariya
Kucharwad
Simarta
Danda
Toll Plaza-1 & 2 at Km.323+600
LEGENT:
Major Bridge(MJB)
Minor Bridge(MNB)
Grade Separated Structure (VUP/LVUP)
Under Pass (PUP/CUP)
Flyover
Toll Plaza
Rigid Pavement
Railway Over Bridge (ROB)
Salient Features of Project:
Drawing Title
Strip Plan - Manubar to Sanpa Section of Vadodara Mumbai Expressway Package-III CH.-292.000 to CH.-323.000
Date.
14-02-2019
Project No.

Figure1 Location MAP



2.0 Project Overview

2.1 Salient Features of Project

Sr. No.	Component	Remarks
1	**Project**	Construction of Eight lane Vadodara Kim Expressway from Km Km 323.00 to 292.00 (Sanpa to Manuba Section of Vadodara Mumbai Expressway) in the State of Gujarat under NHDP Phase - VI on Hybrid Annuity Mode (Phase IA-Package III)"
2	**Name of the Employer**	National Highways Authority of India
3	**Name of Concessionaire**	Patel Vadodara Kim Expressway Pvt. Ltd.
4	**Name of EPC Contractor**	Patel Infrastructure Ltd.
5	**Independent Engineer**	Aarvee Associates Architects Engineers & Consultants Pvt. Ltd
6	**Design Consultant**	SPECIALIZED ENGINEERING SERVICES PVT. LTD
7	**Project Length (In Km)**	31.00 Km
8	**Date of Concession Agreement**	11th May, 2018
9	**Appointed Date**	08th March 2019
10	**Expected Date of Completion**	• 26th June 2022(As per 476 Days EOT Recommended by IE) • 90 Days from Agitation of Project Affected People (PAPS) for demand of enhanced compensation is called off and work recommence.
11	**Total Project Bid Cost as per CA**	1712.00 Cr.
12	**Project Cost (60 % of Bid Cost as per article 42)**	1027.20 Cr.
13	**Construction Period**	2 Years (730 days)
14	**Maintenance Period**	15 Years
15	**Total Concession Period**	17 Years

2.2 Project Overview

2.2.1 Structures & Other Works

Sr. No.	Feature	Description
1	Major Bridge	03 Nos.
2	Flyover	01 No.
3	ROB	01 No.
4	Minor bridges	11 Nos.
5	Vehicular underpass	03 Nos.
6	Light Vehicular Underpasses	07 Nos.
7	Pedestrian Underpass	30 Nos.
8	Vehicular Overpasses	01 No.
9	Toe Wall/Retaining Wall	1.89 Km
10	RE Wall	26446 Sqm.
11	Culverts (HP/BC)	62 Nos. (35 Nos. Pipe / 27 Nos. Box)
12	Toll Plaza	2 Nos.
13	Truck Parking Facility	02 Nos.
14	Rest Area/Toilet Facility	03 Nos.
15	Helipad	01 No.
16	Emergency Cross Over	06 nos.
17	Noise Barrier	10.5 km
18	Rain Water Harvesting Structures	62 nos.

2.2.2 Highway

Sr. No.	Feature	Description
1	Embankment	29.371 Km
2	Subgrade	29.371 Km
3	G.S.B	29.371 Km
4	D.L.C	29.371 Km
5	P.Q.C	29.371 Km
6	Service Road/Slip Roads	02.430 Km

2.2.3 PROJECT LOCATION

The Project consists of new alignment of 8 lane of Sanpa to Manubar Section of Vadodara Mumbai Expressway. The project road stretch is a part of Vadodara Mumbai Expressway, which covers main cities like Vadodara, Surat, Thane and Mumbai. Major built up areas along the stretch under development are Ankleshwar, Bharuch, Valsad, and Navsari.

2.2.4 PROJECT DESCRIPTION

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

2.3 Project Milestones

Sr. No.	Project Milestone	Period to achieve the Milestone	Required % of Physical & Financial Work Completion to Achieve Milestone	Date of Milestone Achievement as per CA	Financial Progress (INR in Cr.)
1	Milestone - 1	150Th DAY	20%	04/08/2019	342.4
2	Milestone – 2	330Th DAY	35%	31/01/2020	599.2
3	Milestone – 3	480Th DAY	75%	29/06/2020	1284.0
4	Milestone – 4	730Th DAY	100%	06/03/2021	1712.0

2.4 Critical Issues & Action Log

Sr.No	Issue Description	Type	Ongoing/ New Issue/ Resolved	Concerned Authority	Chainage (s) affected due to the issue	Length affected (km)	Action (s) taken till now	Action(s) suggested by the IE	Expected date/ Actual Date for resolving issue
1	Land Acquisition		Ongoing	Details as per 4.1 LA Summary: Page no 37					
2	Utility Shifting		Ongoing	Details as per 4.3 Status of utility shifting: Page no 42					

3.0 Physical Progress

Component	% Weightage	Physical Progress (Cumulative Up to Current Month)
Road Work	69.024%	68.61 %
Major Bridge Works	17.368 %	17.37 %
Structures	0.84 %	0.73 %
Others	12.768 %	9.15%
Total Physical Progress		**95.85 %**

3.0 A) Progress Details as per Schedule-B- Highway

Main Expressway TCS (Appendix B-I (A))

Sr. No	From	To	Side	Length	TCS Type
1	292+000	292+600	BHS	600.00	TCS 1
2	292+600	292+790	BHS	190.00	TCS 4
3	292+790	293+310	BHS	520.00	ROB/ Structure
4	293+310	293+500	BHS	190.00	TCS 4
5	293+500	294+270	BHS	770.00	TCS 1
6	294+270	294+520	BHS	250.00	TCS 2
7	294+520	299+100	BHS	4580.00	TCS 1
8	299+100	299+350	BHS	250.00	TCS 4 / Structure
9	299+350	299+750	BHS	400.00	TCS 6/ Structure
10	299+750	299+770	BHS	20.00	TCS 5
11	299+770	306+250	BHS	6480.00	TCS 1
12	306+250	306+380	BHS	130.00	TCS 2
13	306+380	308+275	BHS	1895.00	TCS 1
14	308+275	308+550	BHS	275.00	TCS 2
15	308+550	311+550	BHS	3000.00	TCS 1
16	311+550	311+750	BHS	200.00	TCS 2
17	311+750	314+350	BHS	2600.00	TCS 1
18	314+350	314+510	BHS	160.00	TCS 3
19	314+510	318+900	BHS	4390.00	TCS 1
20	318+900	318+980	BHS	80.00	TCS 2
21	318+980	322+450	BHS	3470.00	TCS 1
22	322+450	323+000	BHS	550.00	TCS 5
	Total			31000	

Connecting Road (Appendix B-III (A)					
1	299+350	299+750	LHS	400.00	TCS-6
2	314+350	314+510	LHS	160.00	TCS 3
3	294+270	294+520	RHS	250.00	TCS 2
4	306+250	306+380	RHS	130.00	TCS 2
5	308+275	308+550	RHS	275.00	TCS 2
6	311+550	311+750	RHS	200.00	TCS 2
7	318+900	318+980	RHS	80.00	TCS 2
Cross Road at VOP Locations (Appendix B-I (C)					
1	000+000	000+075		75.00	TCS 8
2	000+075	000+825		750.00	TCS 9
3	000+825	000+930		105.00	TCS 8

3.0 B) STRUCTURE WORKS: -

Sr. No.	Type of Structure	Total No. of Structures	No. of Structures Tackled	No. of Structures Completed	No. of Structures in Balance	
					In Progress	Balance
1	ROB	1	1	0	1	0
2	Major Bridge	3	3	3	0	0
3	Minor Bridges	11	9	9	0	2
4	Flyover	1	1	1	0	0
5	Vehicular Underpass	3	3	3	0	0
6	Light Vehicular Underpass	7	7	7	0	0
7	Cattle Underpass	30	30	30	0	0
8	Vehicular Overpass	1	1	1	0	0
9	Box Culverts	27	27	26	1	0
10	Pipe Culverts	35	35	35	0	0

All Structure works as per CA - Scope vs Progress

Structure Type	Location	Span Arrangement	Pile Group		Pile Cap/ Raft		Pier. Shaft/ Abutment /Wall		Pier/Abt. cap		RCC Girder		PSC Girder		Slab	
			Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp
ROB	293+050	(17 spans) 6x30+ 1x24.750+ 1x38+1x44+ 1x33.75+5x33	36	36	36	36	36	36	36	36	14	14	182	182	34	34
MJB	302+732	37.847+38.04 5+37.847	8	8	8	8	8	8	8	8			42	42	6	6
MJB	318+875	2x32.2+1x15.8 5	4	4	8	8	8	8	8	8	14	14	28	28	6	6
MJB	321+280	2x37.658	6	6	6	6	6	6	6	6			28	28	4	4
FLYOVER	299+375	16.859+33.20 1+16.859	8	8	8	8	8	8	8	8	28	28	14	14	6	6
VUP	295+575	1x12	-	-	1	1	2	2	-		-				1	1
VUP	303+830	1x12	-	-	1	1	2	2	-		-				1	1
VUP	312+720	1x12	-	-	1	1	2	2	-		-				1	1
VOP	307+193	1x2	3	3	3	3	3	3	3	3	-		8	8	2	2
MNB	294+105	1x12.880	-	-	2	2	4	4	-		-		-		2	2
MNB	296+450	1X27.846	De-Scoped													

Structure Type	Location	Span Arrangement	Pile Group		Pile Cap/ Raft		Pier. Shaft/ Abutment /Wall		Pier/Abt. cap		RCC Girder		PSC Girder		Slab	
			Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp	Scope	Comp
MNB	297+472	1x17.688	-	-	4	4	4	4	4	3	14	14	-		2	2
MNB	297+580	1x37.341	4	4	4	4	4	4	4	4	-		14	14	2	2
MNB	304+450	1x22.687	De- scoped													
MNB	307+754	1x36.54	4	4	4	4	4	4	4	4			14	14	2	2
MNB	309+090	1x45.200	4	2	4	4	4	4	4	4	-		28	28	2	2
MNB	309+873	1x23.688	-	-	4	4	4	4	4	4	14	14	-		2	2
MNB	310+752	1x21.35	-	-	4	4	4	4	4	4	-				2	2
MNB	313+835	1x24.347	-	-	4	4	4	4	4	4	14	14			2	2
MNB	314+340	1x19.103	-	-	4	4	4	4	-				-		2	2

Status of LVUP & PUP					
Sr.No.	Type of Structure	Chainage	Span	Side	Status
1	LVUP	293+895	1x10.5	BHS	BHS Slab completed
2	LVUP	294+550	1x10.5	BHS	BHS Slab completed
3	LVUP	301+240	1x10.5	BHS	BHS Slab completed
4	LVUP	308+550	1x10.5	BHS	BHS Slab completed
5	LVUP	311+047	1x10.5	BHS	BHS Slab Completed
6	LVUP	316+563	1x10.5	BHS	BHS Slab Completed
7	LVUP	321+700	1x10.5	BHS	BHS Slab Completed
1	PUP	292+400	1x7.0	BHS	BHS Slab Completed
2	PUP	295+151	1x7.0	BHS	BHS Slab Completed.
3	PUP	295+990	1x7.0	BHS	BHS Slab Completed.
4	PUP	297+220	1x7.0	BHS	BHS Slab Completed.
5	PUP	297+900	1x7.0	BHS	BHS Slab Completed
6	PUP	298+380	1x7.0	BHS	BHS Slab Completed
7	PUP	299+100	1x7.0	BHS	BHS Slab Completed
8	PUP	300+725	1x7.0	BHS	BHS Slab Completed
9	PUP	301+790	1x7.0	BHS	BHS Slab Completed
10	PUP	302+055	1x7.0	BHS	BHS Slab Completed
11	PUP	303+220	1x7.0	BHS	BHS Slab Completed
12	PUP	304+170	1x7.0	BHS	BHS Slab Completed
13	PUP	305+058	1x7.0	BHS	BHS Slab Completed
14	PUP	305+850	1x7.0	BHS	BHS Slab Completed
15	PUP	306+060	1x7.0	BHS	BHS Slab Completed
16	PUP	306+820	1x7.0	BHS	BHS Slab Completed
17	PUP	309+550	1x7.0	BHS	BHS Slab Completed.

Sr.No.	Type of Structure	Chainage	Span	Side	Status
18	PUP	310+480	1x7.0	BHS	BHS Slab Completed
19	PUP	311+650	1x7.0	BHS	BHS Slab Completed.
20	PUP	312+280	1x7.0	BHS	BHS Slab Completed.
21	PUP	313+095	1x7.0	BHS	BHS Slab Completed.
22	PUP	314+850	1x7.0	BHS	BHS Slab Completed.
23	PUP	315+870	1x7.0	BHS	BHS Slab Completed
24	PUP	316+960	1x7.0	BHS	BHS Slab Completed.
25	PUP	317+650	1x7.0	BHS	BHS Slab Completed.
26	PUP	318+245	1x7.0	BHS	BHS Slab Completed
27	PUP	319+650	1x7.0	BHS	BHS Slab Completed
28	PUP	320+330	1x7.0	BHS	BHS Slab Completed
29	PUP	320+825	1x7.0	BHS	BHS Slab Completed
30	PUP	322+550	1x7.0	BHS	BHS Slab Completed

Status of Box Culverts

Type of Culvert	Design Chainage Asper CA	No of Vent	Span	Height	Status
BC	292+450	1	2.00	2.0	BHS Slab Completed
BC	294+730	2	4.00	4.0	BHS Slab Completed
BC	**294+985**	1	2.00	2.00	BHS Slab Completed
BC	295+585	1	2.00	2.00	BHS Slab Completed
BC	**299+856**	1	3.00	3.00	BHS Slab Completed
BC	**300+148**	1	3.00	3.00	**BHS Slab Completed**
BC	301+247	1	2.00	2.00	BHS Slab Completed
BC	303+403	1	3.00	3.00	BHS Slab Completed
BC	305+437	1	2.00	2.00	BHS Slab Completed
BC	**0+482 (VOP Approach)**	1	2.00	2.0	BHS Slab Completed

Type of Culvert	Design Chainage Asper CA	No of Vent	Span	Height	Status
BC	0+716 (VOP Approach)	1	2.00	2.0	BHS Slab Completed
BC	307+709	1	2.00	2.00	BHS Slab Completed
BC	307+789	1	2.00	2.00	BHS Slab Completed
BC	309+819	1	3.00	3.00	BHS Slab Completed
BC	309+858	1	3.00	3.00	BHS Slab Completed
BC	309+892	1	3.00	3.00	BHS Slab Completed
BC	314+148	1	3.00	3.00	BHS Slab Completed
BC	315+247	1	5.00	3.00	BHS Slab Completed
BC	316+427	1	2.00	2.00	BHS Slab Completed
BC	316+582	1	2.00	2.00	BHS Slab Completed
BC	317+485	1	3.00	3.00	BHS Slab Completed
BC	318+586	1	2.00	2.00	BHS Slab Completed
BC (Precast)	322+750	1	2.00	2.0	Precast Box Erected
BC (Precast)	0+450 (Loops & Ramp @Ch.323)	1	2.00	2.0	Precast Box Erected
BC (Precast)	0+708 (Loops & Ramp @Ch.323)	1	2.00	2.0	Precast Box Erected
BC (Precast)	0+755 (Loops & Ramp @Ch.323)	1	2.00	2.0	Precast Box Erected
BC (Precast)	1+073 (Loops & Ramp @Ch.323)	1	2.00	2.0	Precast Box Erection in Progress

Status of Hume Pipe Culverts		
Type of Culvert	**Design Chainage**	**Status**
HPC	293+620	BHS Pipe Laying Done
HPC	294+420	BHS Pipe Laying Done
HPC	295+870	BHS Pipe Laying Done
HPC	296+720	BHS Pipe Laying Done
HPC	298+120	BHS Pipe Laying Done
HPC	298+819	BHS Pipe Laying Done
HPC	300+445	BHS Pipe Laying Done
HPC	300+970	BHS Pipe Laying Done
HPC	301+520	BHS Pipe Laying Done
HPC	302+270	BHS Pipe Laying Done
HPC	302+578	BHS Pipe Laying Done
HPC	303+608	BHS Pipe Laying Done
HPC	304+069	BHS Pipe Laying Done
HPC	304+649	BHS Pipe Laying Done
HPC	307+419	BHS Pipe Laying Done
HPC	307+969	BHS Pipe Laying Done
HPC	308+320	BHS Pipe Laying Done
HPC	308+794	BHS Pipe Laying Done
HPC	309+368	BHS Pipe Laying Done
HPC	310+119	BHS Pipe Laying Done
HPC	311+329	BHS Pipe Laying Done
HPC	311+969	BHS Pipe Laying Done
HPC	312+679	BHS Pipe Laying Done
HPC	313+369	BHS Pipe Laying Done
HPC	313+812	BHS Pipe Laying Done
HPC	314+669	BHS Pipe Laying Done

Status of Hume Pipe Culverts		
Type of Culvert	**Design Chainage**	**Status**
HPC	315+719	BHS Pipe Laying Done
HPC	316+069	BHS Pipe Laying Done
HPC	316+513	BHS Pipe Laying Done
HPC	316+819	BHS Pipe Laying Done
HPC	317+470	BHS Pipe Laying Done
HPC	319+268	BHS Pipe Laying Done
HPC	319+969	BHS Pipe Laying Done
HPC	320+719	BHS Pipe Laying Done
HPC	322+294	BHS Pipe Laying Done

3.1 Detailed Scope of Work & Physical Progress by Component

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads / Connecting road)	**A- Widening and strengthening of Existing road**			Not in Scope			
	1) Earthwork up to top of the subgrade						
	2) Granular work (Sub-base, shoulder)						
	GSB						
	3) Shoulders						
	4) Bituminous work						
	5) Rigid Pavement						
	a) DLC						
	b) PQC						
	6) Widening and repair of culverts						
	7) Widening and repair of minor bridges						
	B- New realignment/bypass						
	(1) Earthwork up to top of the sub-grade	KM	29.371	19.42%	29.243	19.39%	
	(2) Granular work (sub-base, base, shoulders)						
	(a) GSB	KM	29.371	3.46%	29.189	3.44%	
	(3) Shoulders	KM	29.371	0.97%	23.51	0.85%	
	(4) Bituminous work						
	(5) Rigid Pavement						
	(a) DLC	KM	29.371	4.640%	29.189	4.61%	
	(b) PQC	KM	29.371	22.972%	29.169	22.81%	
	C- New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:						
	(1) Culverts (Pipe & Box)	No.	62	2.32%	61	2.26%	
	(2) Minor bridges						

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
	(a) Foundation	No.	34	2.38%	34	2.38%	
	(b) Sub-Structure	No.	36	1.16%	36	1.16%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	18	1.94%	18	1.94%	
	(3) Cattle/Pedestrian underpasses						
	(a) Foundation	No.	30	2.98%	30	2.98%	
	(b) Sub-Structure	No.	60	1.30%	60	1.30%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	30	1.38%	30	1.38%	
	(4) Pedestrian overpasses			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	(5) Grade separated structures						
	(a) Underpasses (VUP & LVUP)						
	(a) Foundation	No.	10	0.77%	10	0.77%	
	(b) Sub-Structure	No.	20	0.46%	20	0.46%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	10	0.52%	10	0.52%	
	(b) Overpass (VOP)						
	(a) Foundation	No.	3	0.12%	3	0.12%	
	(b) Sub-Structure	No.	3	0.02%	3	0.02%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	2	0.12%	2	0.12%	
	(c) Flyover						
	(a) Foundation	No.	8	1.11%	8	1.11%	
	(b) Sub-Structure	No.	8	0.46%	8	0.46%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	6	0.51%	6	0.51%	
	(d) Foot Over Bridge			Not in Scope			
Major Bridge works and ROB/RUB	**A - Widening and repairs of Major Bridges**			Not in Scope			
	(a) Foundation						
	(a) Open Foundation	No.	0	-			
	(b) Pile Foundation/Well Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	B - Widening and repairs of						
	a) ROB			Not in Scope			
	(a) Foundation						
	(a) Open Foundation	No.	0	-			
	(b) Pile Foundation/Well Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	b) RUB			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	C- New Major Bridges						
	(a) Foundation	No.					
	(a) Open Foundation	No.	0	-			
	(b) Pile Foundation/ Well Foundation	No.	22	5.16%	22	5.16%	
	(b) Sub-Structure	No.	22	0.59%	22	0.59%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	16	1.39%	16	1.39%	
	D- New rail-road bridges						
	(a) ROB						
	(a) Foundation	No.	36	6.77%	36	6.77%	
	(b) Sub-Structure	No.	36	1.05%	36	1.05%	
	(c) Super- Structure (including crash barrier etc. complete)	No.	34	2.42%	33	2.41%	
	(b) RUB			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			
	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
Structures (elevated sections,	**Interchange**			Not in Scope			
	(a) Foundation	No.	0	-			
	(b) Sub-Structure	No.	0	-			

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
reinforced earth, Interchange)	(c) Super- Structure (including crash barrier etc. complete)	No.	0	-			
	(d) Reinforced earth Wall (includes Approaches of ROB, Underpasses, Overpasses, Flyover etc)	Sqm	26446	0.84%	26446	0.73%	
Other works	**(i) Service roads/ Slip Roads / Connecting Road**	KM	2.425	0.66%		0.22%	
	(ii) Toll Plaza	No.	2	0.63%		0.33 %	
	(iii) Road side drains	KM	29.371	1.38%	24.10	1.11%	
	(iv) Road signs, markings, km stones, safety devices, ...						
Other works	(a)Road signs, markings, km stones, Road Delineators, Reflective Pavement Markers & Solar Studs, Traffic Impact Attenuators, Road Boundary Stone, Kilometer and Hectometer Stones.	KM	31.000	0.81%	17.52	0.372%	
	(b)Concrete Crash Barrier / W- Beam Crash Barrier / Thrie Beam Steel Barriers in road works	KM	29.371	1.16%	22.08	0.87%	
	(v) Project facilities						
	(a) Bus Bays	No.	0	-			
	(b) Truck Lay-byes	No.	2	1.08%		0.76%	
	(c) Smaller Parking service area	No.	3	0.648%		0.50%	
	(d) Operation & Maintenance Centre	No.	1	0.27%			
	(e) Lighting	KM	31.000	0.044%	4.7	0.024%	
	(f) ATMS	KM	31.000	0.456%			
	(g) Noise Barrier	KM	10.500	0.397%			
	(h) Rain Water Harvesting Structure	No.	62	0.074%	62	0.07%	
	(i) Fencing	KM	29.371	1.094%	26.06	0.97%	
	(j) Utilities (future ducts)	No.	62	0.234%	62	0.23%	
Other works	**(vi)Repairs to bridges/structures**			Not in Scope			

Item	Stage for measurement	Unit	Qty.	Weightage in percentage to Contract Price	Quantity	% of Physical Progress	Remarks
1	2	3	4	5	6	7	8
	(vii) Land Scaping and Tree plantation	KM	29.371	0.176%	10.597	0.12%	
	(viii) Protection works						
	(a) Boulder Pitching/Turfing /other protection measures on slopes	KM	29.371	0.29%	25.23	0.25%	
	(b) Toe/Retaining wall	KM	1.890	3.12%	1.89	3.12%	
	(ix) Tunnel			Not in Scope			
	(a) Excavation	Meter	0	-			
	(b) Construction of support system including Rock bolting, lining etc.	Meter	0	-			
	(c) On Complete completion of Tunnel	Meter	0	-			
	(x) Miscellaneous						
	(a) Overhead Signs	KM	31.000	0.001%			
	(b) Traffic Aid Booth	No.	1	0.017%			
	(c) Medical Aid Booth	No.	1	0.017%			
	(d) Emergengy Cross Over	No.	7	0.018%	6	0.018%	
	(d) Helipad	No.	1	0.017%			
	(e) Wearing Course	Sqm	61,602	0.173%	38130.759	0.11%	
	Total			**100.00%**		**95.85%**	

3.1.1 : Details breakup of physical progress

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
1	2	3	7	9		
1	**Earth Work up to Top of Subgrade**					
1.1	Clearing and grubbing of -MCW	Hec	29.371	0.044%	29.371	0.04%
1.2	Carrying out Jungle Cutting/ removal of debris / dismantling of Concrete Structure / Dismantling of existing road / Removal of any Physical item	M2	29.371	0.000%	0	
1.3	Earth work in excavation necessary	Cu.m.	29.371	0.013%	29.371	0.01%
1.4	Construction of embankment - MCW Height up to 1 Mtr	Cu.m.	29.371	5.183%	29.371	5.18%
1.5	Construction of embankment - MCW Height 1 mtr to 2 Mtr	Cu.m.	29.371	4.319%	29.371	4.32%
1.6	Construction of embankment - MCW Height 2 mtr to 3 Mtr	Cu.m.	29.371	3.456%	29.371	3.46%
1.7	Construction of embankment - MCW Height 3 mtr to Emb top Bottom	Cu.m.	29.371	2.592%	29.243	2.58%
1.8	Construction of embankment - MCW Embankment Top	Cu.m.	29.371	1.728%	29.243	1.72%
1.9	Construction of Sub grade - MCW	Cu.m.	29.371	2.086%	29.243	2.08%
2	Grannular Sub Base Courses and Base Courses					

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
2.1	Constructing Grannular Sub-base	Cu.m.	29.37	3.46%	29.182	3.44%
3	Shoulders					
3.1	Earthwork in filling of median / island area	Cu.m.	29.37	0.245%	27.869	0.23%
3.2	Construction of modified Earthen / un paved shoulders	Cu.m.	29.37	0.036%	17.2075	0.02%
3.3	Providing min 200 mm dia NP4 pipes along the road in 2 Rows in shoulder	LM	29.37	0.691%	25.48	0.60%
4	Rigid Pavement					
4.01	Providing xxx mm thick DLC (M15) for CW	Cum	29.37	4.640%	29.189	4.61%
4.02	Providing xxx mm thick PQC for CW	Cum	29.37	22.972%	29.169	22.81%
5	**Pipe Culverts**					
5.01	Culvert Excavation	Cum	35.00	0.006%	35	0.01%
5.02	Culvert PCC M15 grade	Cum	35.00	0.114%	35	0.11%
5.03	Providing , laying and jointing NP4 (as per IS:458) Hume pipes for culverts, - Dia 1200 mm (Internal)	LM	35.00	0.232%	35	0.23%
5a	Box Culverts					
5.01a	Culvert Excavation	Cum	27.00	0.022%	27	0.02%
5.02a	Culvert PCC M15 grade	Cum	27.00	0.209%	27	0.21%
5.03a	Foundation RCC M 30 - Culvert	Cum	27.00	0.405%	26	0.39%
5.04a	HYSD bar in Foundation-Culvert	MT	27.00	0.480%	26	0.46%
5.05a	Substructre RCC M 30 - Culvert	Cum	27.00	0.304%	26	0.29%
5.06a	HYSD bar in Substructure-Culvert	MT	27.00	0.267%	26	0.26%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
5.07a	Super Structure RCC M 30 - Culvert	Cum	27.00	0.153%	26	0.15%
5.08a	HYSD bar in Super Structure-Culvert	MT	27.00	0.127%	26	0.12%
6A	Bill No: 6A Minor Bridges					
6A,01	Structure excavation Ordinary and soft Soils - MNBR	Cum	34	0.06%	34	0.06%
6A,02	MNBR - PCC M15 grade	Cum	34	0.12%	34	0.12%
6A,03	MNBR - RCC M35 - Foundation	Cum	26	0.89%	26	0.89%
6A,04	HYSD bar reinforcement - Foundation	Mt	34	1.03%	34	1.03%
6A,05	MNBR - RCC M35 Pile Cap	Cum	8	0.09%	8	0.09%
6A,06	MNBR - RCC M35 1.2m dia piles	Rm	8	0.19%	8	0.19%
6A,07	MNBR - RCC M35- Substructure Abutment	Cum	36	0.45%	36	0.45%
6A,08	HYSD bar reinforcement - substructure Abutment	Mt	36	0.45%	36	0.45%
6A,09	MNBR - RCC M35 - Abutment Cap	Cum	36	0.13%	36	0.13%
6A,10	HYSD bar reinforcement - Abutment cap	Mt	36	0.14%	36	0.14%
6A,11	RCC M35 - RCC Girder	Cum	10	0.12%	10	0.12%
6A,12	PSC M45 - PSC Girder	Cum	6	0.24%	6	0.24%
6A,13	HYSD bar reinforcement - Super structure Girder	Mt	16	0.59%	16	0.59%
6A,14	HT Steel for PSC Girder	Mt	6	0.32%	6	0.32%
6A,15	RCC M35 - SLAB	Cum	18	0.28%	18	0.28%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
6A,16	HYSD bar reinforcement - SLAB	Mt	18	0.40%	18	0.40%
6B	Bill No. 6B : PUP					
6B,01	Structure excavation Ordinary and soft Soils - PUP	Cum	30.00	0.025%	30	0.03%
6B,02	PUP - PCC M15 grade Levelling course	Cum	30.00	0.184%	30	0.18%
6B,03	PUP - RCC M35 Raft	Cum	30.00	1.216%	30	1.22%
6B,04	HYSD bar reinforcement - RAFT	Mt	30.00	1.560%	30	1.56%
6B,05	PUP RCC M35 Wall	Cum	60.00	0.677%	60	0.68%
6B,06	HYSD bar reinforcement - Wall	Mt	60.00	0.623%	60	0.62%
6B,07	PUP - RCC M35 - TOP Slab	Cum	30.00	0.674%	30	0.67%
6B,08	HYSD bar reinforcement - TOP Slab	Mt	30.00	0.706%	30	0.71%
6C	Bill No. 6C : VUP					
6C,01	Structure excavation Ordinary and soft Soils - VUP	Cum	3.00	0.003%	3	0.00%
6C,02	VUP - PCC M15 grade - Levelling course	Cum	3.00	0.013%	3	0.01%
6C,03	VUP - RCC M35 - Raft	Cum	3.00	0.096%	3	0.10%
6C,04	HYSD bar reinforcement - Raft	Mt	3.00	0.123%	3	0.12%
6C,05	VUP - RCC M35 - WALL	Cum	6.00	0.086%	6	0.09%
6C,06	HYSD bar reinforcement - WALL	Mt	6.00	0.079%	6	0.08%
6C,07	RCC M35 - TOP SLAB	Cum	3.00	0.096%	3	0.10%
6C,08	HYSD bar reinforcement - TOP Slab	Mt	3.00	0.082%	3	0.08%
6D	Bill No. 6D : LVUP					

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
6D,01	Structure excavation Ordinary and soft Soils - LVUP	Cum	7.00	0.005%	7	0.01%
6D,02	LVUP - PCC M15 grade levelling course	Cum	7.00	0.033%	7	0.03%
6D,03	LVUP - RCC M35 Raft	Cum	7.00	0.220%	7	0.22%
6D,04	HYSD bar reinforcement - Raft	Mt	7.00	0.282%	7	0.28%
6D,05	LVUP - RCC M35 - Wall	Cum	14.00	0.155%	14	0.16%
6D,06	HYSD bar reinforcement - WALL	Mt	14.00	0.143%	14	0.14%
6D,07	LVUP - RCC M35 - Top Slab	Cum	7.00	0.187%	7	0.19%
6D,08	HYSD bar reinforcement - TOP Slab	Mt	7.00	0.159%	7	0.16%
6E	Bill No. 6E : VOP					
6E,01	Structure Excavation for foundation of VOP	Cum	3.00	0.000%	3	0.00%
6E,02	Foundation PCC M15 grade for levelling course	Cum	3.00	0.001%	3	0.00%
6E,04	HYSD bar reinforcement - Foundation	Mt	3.00	0.054%	3	0.05%
6E,05	RCC M35 Pile Cap	Cum	3.00	0.012%	3	0.01%
6E,06	RCC M35 1.2m dia piles	Rm	3.00	0.049%	3	0.05%
6E,07	RCC M35 - ABUTMENT/Return Wall	Cum	2.00	0.002%	2	0.002%
6E,08	HYSD bar reinforcement - ABUTMENT/Return Wall	Mt	2.00	0.002%	2	0.002%
6E,09	RCC M35 - ABUTMENT CAP	Cum	2.00	0.002%	2	0.002%
6E,10	HYSD bar reinforcement - ABUTMENT CAP	Mt	2.00	0.004%	2	0.004%
6E,11	RCC M35 - PIER	Cum	1.00	0.001%	1	0.001%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
6E,12	HYSD bar reinforcement - PIER	Mt	1.00	0.001%	1	0.001%
6E,13	RCC M35 - PIER CAP	Cum	1.00	0.001%	1	0.00%
6E,14	HYSD bar reinforcement -PIER CAP	Mt	1.00	0.002%	1	0.00%
6E,15	HYSD bar reinforcement - Super structure Girder	Mt	2.00	0.050%	2	0.05%
6E,16	HT Steel for PSC - Girder	Mt	2.00	0.033%	2	0.03%
6E,17	PSC M45 - Box Girder/PSC Girder	Cum	2.00	0.025%	2	0.02%
6E,18	M-35 for SLAB super structure	Cum	2.00	0.015%	2	0.02%
6F	Bill No: 6F Flyover					
6F,01	Structure excavation Ordinary and soft Soils - Flyover	Cum	8.00	0.003%	8	0.00%
6F,02	Flyover - PCC M15 grade - levelling course under fdn.	Cum	8.00	0.005%	8	0.01%
6F,03	HYSD bar reinforcement - Foundation	Mt	8.00	0.575%	8	0.58%
6F,04	RCC M35 Pile Cap	Cum	8.00	0.114%	8	0.11%
6F,05	RCC M35 1.2m dia piles	Rm	8.00	0.414%	8	0.41%
6F,06	RCC M35 - ABUTMENT	Cum	4.00	0.047%	4	0.05%
6F,07	HYSD bar reinforcement - ABUTMENT	Mt	4.00	0.058%	4	0.06%
6F,08	RCC M35 - ABUTMENT CAP	Cum	4.00	0.031%	4	0.03%
6F,09	HYSD bar reinforcement - Abutment cap	Mt	4.00	0.053%	4	0.05%
6F,10	RCC M35 - Pier Substructure	Cum	4.00	0.037%	4	0.04%
6F,11	HYSD bar reinforcement - Pier Substructure	Mt	4.00	0.057%	4	0.06%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
6F,12	RCC M35 - Pier CAP	Cum	4.00	0.065%	4	0.07%
6F,13	HYSD bar reinforcement - Pier CAP	Mt	4.00	0.110%	4	0.11%
6F,14	RCC M35 - RCC Girder	Cum	4.00	0.032%	4	0.03%
6F,15	PSC M45 - Girder	Cum	2.00	0.053%	2	0.05%
6F,16	HYSD bar reinforcement - Girder	Mt	6.00	0.144%	6	0.14%
6F,17	HT Steel for PSC - Girder	Mt	2.00	0.072%	2	0.07%
6F,18	RCC M35 - SLAB	Cum	6.00	0.084%	6	0.08%
6F,19	HYSD bar reinforcement - SLAB	Mt	6.00	0.126%	6	0.13%
6G	Bill No: 6G Major Bridges					
6G,01	Structure excavation Ordinary and soft Soils - MJB	Cum	22.00	0.014%	22	0.01%
6G,02	Major Bridge PCC M15 grade - Levelling course	Cum	22.00	0.026%	22	0.03%
6G,03	HYSD bar reinforcement - Foundation	Mt	22.00	2.746%	22	2.75%
6G,04	RCC M35 Pile Cap	Cum	22.00	0.708%	22	0.71%
6G,05	RCC M35 1.2m dia piles	Rm	22.00	1.661%	22	1.66%
6G,06	RCC M35 - Abutment substructure	Cum	12.00	0.100%	12	0.10%
6G,07	HYSD bar reinforcement - Abutment Substructure	Mt	12.00	0.099%	12	0.10%
6G,08	RCC M35 - ABUTMENT CAP	Cum	12.00	0.032%	12	0.03%
6G,09	HYSD bar reinforcement - ABUTMENT CAP	Mt	12.00	0.036%	12	0.04%
6G,10	RCC M35 - Pier Substructure	Cum	10.00	0.037%	10	0.04%
6G,11	HYSD bar reinforcement - Pier	Mt	10.00	0.056%	10	0.06%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
	Substructure					
6G,12	RCC M35 - Pier CAP	Cum	10.00	0.089%	10	0.09%
6G,13	HYSD bar reinforcement - Pier CAP	Mt	10.00	0.137%	10	0.14%
6G,14	PSC M45 - Girder	Cum	16.00	0.261%	16	0.26%
6G,15	HYSD bar reinforcement -Girder	Mt	16.00	0.343%	16	0.34%
6G,16	HT Steel for PSC -Girder	Mt	16.00	0.340%	16	0.34%
6G,17	RCC M35 - SLAB	Cum	16.00	0.178%	16	0.18%
6G,18	HYSD bar reinforcement - SLAB	Mt	16.00	0.265%	16	0.27%
6H	Bill No. 6H : ROB					
6H,01	Structural Excavation in ROB foundation	Cum	36.00	0.017%	36	0.02%
6H,02	ROB - Foundation PCC M15 grade Levelling course	Cum	36.00	0.034%	36	0.03%
6H,03	HYSD bar reinforcement - Foundation	Mt	36.00	3.292%	36	3.29%
6H,04	RCC M35 Pile Cap	Cum	36.00	0.715%	36	0.72%
6H,05	RCC M35 1.2m dia piles	Rm	36.00	2.710%	36	2.71%
6H,06	RCC M35 - ABUTMENT/Return Wall	Cum	4.00	0.019%	4	0.02%
6H,07	HYSD bar reinforcement - ABUTMENT/Return Wall	Mt	4.00	0.023%	4	0.02%
6H,08	RCC M35 - ABUTMENT CAP	Cum	4.00	0.012%	4	0.01%
6H,09	HYSD bar reinforcement - ABUTMENT CAP	Mt	4.00	0.020%	4	0.02%
6H,10	RCC M35 - PIER	Cum	32.00	0.195%	32	0.20%
6H,11	HYSD bar reinforcement - PIER	Mt	32.00	0.299%	32	0.30%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
6H,12	RCC M35 - PIER CAP	Cum	32.00	0.179%	32	0.18%
6H,13	HYSD bar reinforcement - Pier CAP	Mt	32.00	0.301%	32	0.30%
6G,14	PSC M45 - Girder	Cum	30.00	0.246%	30	0.25%
6G,15	HYSD bar reinforcement -Girder	Mt	30.00	0.314%	30	0.31%
6G,16	HT Steel for PSC -Girder	Mt	30.00	0.332%	30	0.33%
6H,14	RCC M35 - SLAB	Cum	30.00	0.260%	30	0.26%
6H,15	HYSD bar reinforcement - SLAB	Mt	30.00	0.382%	30	0.38%
6H,16	Providing and Fixing Steel Girder for Superstructure as per Technical Specification	Mt	6.00	0.889%	5.4	0.80%
7	Reinforced Earth Wall					
7.01	PCC For RE Wall Foundation	Sqm	26,446.00	0.018%	26446	0.02%
7.02	Providing RCC Facia Panel / Block	Sqm	26,446.00	0.261%	26446	0.26%
7.03	Filter media behind RE walls	Sqm	26,446.00	0.094%	26446	0.09%
7.04	Construction of embankment with Reinforced Earth	Sqm	26,446.00	0.225%	26446	0.22%
7.05	RCC crash barrier with friction slab M 40	Rmt	3,952.02	0.246%	2198.7	0.13%
8	Service roads/ Slip Roads					
8.01	Construction of Subgrade	Cum	2.43	0.050%	2	0.04%
8.02	Construction of GSB	Cum	2.43	0.136%	0.98	0.06%
8.03	Constructing Wet Mix Macadam	Cu.m.	2.43	0.157%	0.98	0.06%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
	base					
8.04	Primer coat - Connecting road	Sqm	2.43	0.010%	0.75	0.00%
8.05	Tack coat -1 - Connecting road	Sqm	2.43	0.004%	0.75	0.00%
8.07	Dense Bituminous Macadam course- Connecting road	Cu.m.	2.43	0.172%	0.75	0.05%
8.08	Bituminous Concrete - Connecting Road	Cu.m.	2.43	0.132%		
9	Bill No.9: Toll Plaza					
9.01	Clearing and grubbing - Toll Plaza	Hec	2.00	0.000%	2	0.00%
9.02	Construction of embankment - Toll Plaza	Cum	2.00	0.087%	2	0.09%
9.03	Construction of Subgrade - Toll Plaza	cum	2.00	0.019%	2	0.02%
9.04	Constructing Grannular Sub-base - Toll Plaza	Cu.m.	2.00	0.031%	2	0.03%
9.05	Providing xxx mm thick DLC (M15) for Toll plaza	cum	2.00	0.052%	2	0.05%
9.06	Providing xxx mm thick PQC for Toll plaza	cum	2.00	0.288%	1	0.14%
9.07	Providing and fixing of Tool booth	Nos.	2.00	0.009%		
9.08	Roof over Toll plaza	Sq.m	2.00	0.050%		
9.09	Operation & Office building at toll plaza	Sq.m	1.00	0.022%		
9.11	Toll plaza sign boards	LS	2.00	0.032%		

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
9.12	Toll Plaza Facilities	LS	2.00	0.043%		
10	DRAINAGE					
10.01	Drain Excavation	Cu.m.	29.37	0.066%	20.8	0.05%
10.02	Drain Lining	cum	29.37	0.479%	20.8	0.34%
10.03	RCC M 20 Grade Dain	Cum	29.37	0.241%	26.47	0.22%
10.04	HYSD bar reinforcement	Mt	29.37	0.117%	26.47	0.11%
10.05	Construction of chute lined drain in shoulder	L.M.	29.37	0.408%	25.05	0.35%
10.06	Construction of energy dissipation basin and sumps	Nos.	29.37	0.067%	25.05	0.06%
11	Bill No. 11: Traffic signs, Road markings and other road appurtenance					
11.01a	Providing Kerb M-20 grade	L.M.	29.37	0.116%	28.509	0.113%
11.01b	Painting on Kerbs	Sq.m	29.37	0.014%	15	0.01%
11.02a	Supplying & Fixing Sign Boards	KM	31.00	0.402%	3.5	0.05%
11.03a	Pavement marking	Sq.m	31.00	0.278%	23.528	0.21%
b)	W-Beam Crash Barrier in Road work					
11.06b	Providing and erecting " W " metal beam crash barrier	L.M.	29.37	1.160%	22.08	0.87%
12	Wayside Amenities/Rest Area					
12.01	Truck Parking service area	LS	2.00	1.08%	1.4	0.76%
12.02	Smaller Parking service area	LS	3.00	0.65%	2.3	0.5%
12.03	Providing operational and maintenance Center	No.	1.00	0.27%	0	0.00%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
12.04	Providing & Placing Noise Barrier	Km.	9.30	0.40%	0	0.00%
12.05	Providing lighting including all	Km.	31.00	0.04%	4.7	0.024%
12.06	Provding Advanced Traffic Management Systems (ATMS)	Km.	31.00	0.46%		0.07%
12.07	Providing min 600 mm dia NP4 pipes across the road for utility work	No.	50.00	0.23%	62	0.23%
12.08	Providing Rain Water Harvesting arrangement as shown in drawing with all materials etc., with all lifts and leads complete as directed by the engineer	No.	62.00	0.07%	62	0.07%
II	Fencing Work					
A	Providing Chain Link Fencing in ROW	Km.	29.37	1.09%	26.06	0.97%
13	Road Side Plantation					
	Land Scaping and Tree plantation	LS	29.37	0.176%	19.926	0.12%
14	PROTECTION WORKS					
I	Boulder pitching on slopes					
A	Providing and laying stone pitching on embankment slopes	cum	29.37	0.213%	25.23	0.18%
B	Providing and laying filter media underneath stone pitching	cum	29.37	0.077%	25.23	0.07%
II	Toe/Retaining wall					
A	Excavation of Retaining Wall + Toe Wall	Cu.m.	1.89	0.031%	1.89	0.03%

Item No.	Description	Unit	Physical Progress Quantity	Weightage in percentage to the Contract Price	Up to Date (31.08.2022)	
					Quantity	Percentage Progress
B	M-15 PCC Retaining Wall + Toe Wall	Cu.m.	1.89	0.089%	1.89	0.09%
C	M-25 Retaining Wall + Toe Wall	Cum	1.89	1.626%	1.89	1.63%
D	HYSD - Retaining Wall + Toe Wall	MT	1.89	1.371%	1.89	1.37%
15	MISCELLANEOUS WORKS					
15.01	Overhead Signs	Km.	31.00	0.001%		
15.02	Traffic Aid Booth	No.	1.00	0.017%		
15.03	Medical Aid Booth	No.	1.00	0.017%		
15.04	Wearing courses	Km.	61,602.06	0.173%	38130.75	0.11%
15.05	ROW Survey, centerline fixing along with fixing of ROW piller and obtaining pusation of ROW.....	Km.	31.00	0.000%		
15.06	Emergency Cross Over	Nos.	6.00	0.018%	6	0.018%
15.07	Helipad	Nos.	1.00	0.017%		
	Total Amount					95.85%

4.0 Land Acquisition and Clearance

A)Area Wise:

Package - 3 (Sampa to Manubar)(Km 323.000 to Km 292.00)							
Sl. No.	Village Name	Taluka & District	Area in Hec.	Award (Rs. In Cr.)	Disbus Area in Hec.	Disburs (Rs. In Cr.)	Disbus Area in %
1	Matar Talpad	Tal.-Amod Dist.-Bharuch	19.8612	10.02	17.5881	8.94	89%
2	Vanta Matar		1.6709	1.64	0.6865	1.63	41%
3	Sunthodara		14.4691	1.77	11.8723	1.62	82%
4	Telod		3.4501	1.24	3.0758	1.24	89%
5	Danda		29.1681	19.81	28.6605	19.46	98%
6	Dora		38.5582	22.58	36.5203	22.17	95%
7	Simlatha		21.5547	42.05	19.6934	38.39	91%
8	Vantarsa		0.2261	0.04	0.2261	0.04	100%
9	Kurchan		18.1568	3.21	17.3950	3.07	96%
10	Padariya	Tal. & Dist.-Bharuch	5.7697	2.78	5.7697	2.78	100%
11	Karela		42.2357	20.7	41.5702	20.53	98%
12	Pipaliya		12.4403	3.78	12.2705	3.71	99%
13	Kelod		25.5545	24.16	23.9498	24.16	94%
14	Taralsa		16.5034	11.56	16.5034	11.56	100%
15	Dayadara		21.1308	8.48	19.0856	7.64	90%
16	Derol		35.4004	35.89	32.6372	35.12	92%
17	Tham		8.1923	4.14	8.1923	4.14	100%
18	Kanthariya		8.6506	11.01	7.5455	10.49	87%
	TOTAL AWARD PKG #3		**322.9929**	**224.86**	**301.25**	**216.69**	**94%**

4.2 Clearances Summary: -

4.2 A) STATUS OF PERMISSION AND APPROVALS

Environment				
Proposal Description	**Status**	**Length impacted**	**Current stage**	**Issues/Comments**
As per Schedule-A (Annex-V) – The Environmental clearance have been obtained				
Forest Land/Tree				
Proposal Description	**Status**	**Length impacted**	**Current stage**	**Issues/Comments**
Tree cutting permission received on dated 25.03.2019 with letter no. NHAI PIU SURAT (Expressway)/FR-02/2019/1717				

(All Documents submitted again along with Apr 2020 MPR vide letter PVKEPL/HO/VKP3/IE/101/2020 Dt. 22.05.2020 and in July MPR as Annexure 12)

Sr No	Approvals as in Schedule -E	
a	Permission of the state Government for extraction of boulder from quarry	The company has given a subcontract to Mauni Minerals for supply of Aggregate and GSB material. They have already procured permission from State Government for extraction of boulders. Valid till 14.07.2025
B	Permission of Village panchayat and Pollution control board for installation of crusher.	Obtained. Valid till 14.07.2025
c	License for use of explosives	Work Agreement with Mauni Minerals (Agency) to Sub-agency (Sukhdev Enterprise) for quarrying of boulder is enclosed with its use, storage & transportation of explosives. Valid till 31.03.2023
d	Permission from State government for drawing water from river/reservoir.	NA (For use of water, as per guideline of Ministry of water resource letter dated 26/10/2012, it is exempted from obtaining NOC if ground water used up to 100 cum/day i.e. 1 Lac liter/day in any Infrastructure Project., as our consumption is under the limit.)
E	License from Inspector of factories or competent authorities for setting up	Obtained. Valid till 17.09.2025.

Sr No	Approvals as in Schedule -E	
	Batching Plant	
F	Clearance from Pollution control board for Setting up Batching Plant	Obtained. Valid till 17.09.2025.
G	Permission of Village Panchayat and Pollution control board for Asphalt Plant	N.A.
H	Permission of Village Panchayat and State Government for Borrow earth.	Some Village Panchayats Obtained. Others in progress
I	Permission of State Government for Cutting trees	Obtained Forest trees cutting permission received vid letter no. NHAI/PIU Surat (Expressway)/FR-02/2019/1717 on dated 25.03.2019
J	Consent to establish issued by the Sate Pollution Control Board for the Project;	Obtained

4.3 Status of utility shifting: -

Utility Category	Name/ Department	Status	Length affected as on appointed Date	Date & letter of request by Authority for estimate	Date & letter when Estimate was Received from concerned dept.	Date & letter when Estimate was Verified By IE.	Date & letter of Approval by Authority RO/ HQ	Date & letter of Deposit of super-vision charge	Progress of Physical Shifting	Date of Certification from Agency for Completion	Estimate Amount	Issue/ Comments
Water	GWSSB	All Estimates submitted	80 M	-	-		-	-	-	-	-	Issue resolved through change in design
	SSNNL	*Revised Drawing already submitted to All three Divisions of SSNL*	730 M									Issue resolved work in Progress
Electricity	DGVCL	PVKPL submit supervision charges vide Letter #80 on 16.05.2019	2303 M	-	-	#72,73 &74 on 13.02.2019	-	Supervision Charges Paid for 1) Palej on 24.05.19 2) Amod on23.05.19 3) Bharuch	-	-	-	Utility Shifting Work Completed.
	GETCO	Estimate has been approved by competent authority of NHAI on 09.12.19	884 M			#342 on 01.05.2019						Estimates has been approved by NHAI on 05.12.19. **All 6 HT Electrical Lines are Shifted.**

Utility Category	Name/ Department	Status	Length affected as on appointed Date	Date & letter of request by Authority for estimate	Date & letter when Estimate was Received from concerned dept.	Date & letter when Estimate was Verified By IE.	Date & letter of Approval by Authority RO/ HQ	Date & letter of Deposit of super-vision charge	Progress of Physical Shifting	Date of Certification from Agency for Completion	Estimate Amount	Issue/ Comments
Gas Pipe Lines	GAIL	*In the meeting held on 27th January 2020 with PD NHAI & GM GAIL, accordingly revised GAD has been submitted by NHAI to GAIL on 03.02.2020 vide their letter no. 184*	300 M					Site Visit Charges Paid by NHAI without GST				1)During meeting It is decided that at location of proposed minor bridges 296+432 & 304+432 Gas pipe line protection will be done by HDD method. IE vide Letter no 2444 Dt 24.10.2020 recommended estimates along with compliance for approval of competent Authority. 2) For 309+080 minor bridge GAIL raised Demand Note vide letter 114 Dt.24.07.2020 As per which Charges to be paid by Authority 3) NHAI Forwarded insurance policy submitted by Concessionaire to GAIL vide letter no 1186 Dt. 22.10.2020.(for all 3 locations)

4.3 A) Utility shifting/ Tree Cutting Progress Status-Length Wise

Utility Category	Name/ Department	Length affected (M)	Length Cleared (M)	Balance Affected Length (M)
Water	GWSSB	80	80	0
	SSNNL	340	340	0
Electricity	DGVCL	2303	2303	0
	GETCO	884	884	0
Gas Pipe Lines	GAIL	300	300	0
Tree	Tree Cutting	900	900	0

4.3 B) Utility shifting/ Tree Cutting Progress Status-Nos

Sr. No.	Particular	Total	Progress till Last Month	Current Month	Cumulative Progress	Balance to Completed	Remarks
1	**Electric Pole**						
	Bharuch Section						
	Bharuch division						
	i) Bharuch Subdivision	41	41	00	41	00	
	ii) Palej Subdivision	05	05	00	05	00	
	iii) Amod Subdivision	05	05	00	05	00	
	Total	**51**	**51**	**00**	**51**	**00**	
2	**Structures (Nos.)**						
	Bharuch Section	07	07	-	07	00	
	Total	**07**	**07**	-	**07**	**00**	
3	**Religious Str. (Nos.)**						
	Bharuch Section	0	0	0	0	0	
	Total	0	0	0	0	0	
4	**H.T. Line crossing**						
	Bharuch Section	06	06	00	06	00	
	Total	**06**	**06**	**00**	**06**	**00**	
5.	**Water Utilities**						
	Bharuch Section						
	i) Bharuch Subdivision						
	ii) Jambusar Sub-division						
	Total	**64**	**64**	**00**	**64**	**00**	

Tree Cutting Progress Status-Nos

Sr. No.	District	Category		Tota Nos.	Status of Cutting Permission	No. of Cutting Permission	No of Trees cut	Balance No of Trees	Remark
1	Bharuch	Govt. Trees	All	164	Tree Cutting Permission is received vide letter No. NHAI/PIU Surat (Expressway)/PR- 02/2019/ 1717 Date: 25.03.2019	164	164	Nil	-
		Pvt. Trees		0					

5.0 Change of Scope:-

Sr. No.	Proposal Details	Date of first submission to IE/Authority	Current Status	COS Amount	Expected/Actual date of Approval
1	Box Culvert at Ch 315+214	12.12.2020	Recommended by IE vide letter no 3878 Dt 27.08.2021	1.028 Cr	15.10.2021
2	Box Culvert at Ch 317+485	03.03.2021		0.496 Cr.	15.10.2021
3	Modification of normal lane to ETC lane in Toll System	22.01.2021	Recommended by IE vide letter no 3703 Dt 27.07.2021	1.19 Cr.	15.10.2021
4	3 numbers HPC at CH.295+159, CH.311+071 and Ch. 321+687	16.06.2021	Recommended by IE vide letter no 3878 Dt 27.08.2021	0.879 Cr.	15.10.2021
5	Deletion of Minor bridges-2 nos (296+450 & 304+450)		Recommended by IE vide letter no 3878 Dt 27.08.2021	6.301 cr.	15.10.2021

6.0 Mobilization of Resources.

Sr. No	Equipment	Unit	Resource Required at peak	Deployed Machinery Month of August'2022
1	Excavator	Nos	16	15
2	Motor Grader	Nos	16	5
3	Dozer	Nos		5
4	Vibratory Roller	Nos	16	5
5	Tandem Roller	Nos	-	3
6	Baby roller	Nos	-	2
7	Wet Mix/ DLC Paver	Nos	1	1
8	Wet Mix Plant	Nos	1	1
9	PQC Paver	Nos	1	1
10	Dumpers/Tippers	Nos	107	40
11	FE Loaders/JCB	Nos	15	12
12	Water Tanker	Nos	23	15
13	Batching Plant CP60	Nos	2	2
14	Batching Plant CP 120	Nos	1	1
15	Batching Plant CP 240	Nos	1	1
16	Batching Plant 300 TPH (DLC)	Nos	1	1
17	Sand Washing plant	Nos	1	1
18	Transit Mixers	Nos	20	25
19	Boom Placer	Nos	1	2
20	Concrete Pump	Nos	1	1
21	Kerb Machine	Nos	1	1
22	Bucket Loader	Nos	4	8
23	Hydra	Nos	2	4

7.0 Financial Progress Details

7.1 Pen Picture - Escrow

Total Bid Project Cost (Cr.)	Total Project Cost (Cr.)	Cumulative inflow to Escrow till previous month (Cr)	Cumulative outflow from Escrow till previous month (Cr)	Inflow to Escrow During the August - 22 (Cr)	Outflow from Escrow during the August-22 (Cr)
1,712.00	**1,027.20**	**1,714.66**	**1,731.01**	**62.38**	**62.87**

7.2 Escrow detail

Total Bid Project Cost (Cr.)	Total Project Cost (Cr.)	Escrow Plan till date-Debt (HAM)(Cr)	Escrow Plan till date-Equity (HAM)(Cr)	Escrow Plan till date - VGF (HAM) (Cr)	Escrow Actual till date-Debt (HAM) (Cr)	Escrow Actual till date-Equity (HAM) (Cr)	Escrow Actual till date- YGF (HAM) (Cr)
1,712.00	**1,027.20**	**821.76**	**205.44**	**684.80**	**771.40**	**206.20**	**648.80**

8.0 QA/QC Report.

8.1 Test conducted on site.

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
OGL & Cutting soil																	
1	Free Swell Index	IS 2720 Part 40	2 test per 3000 m^3	50 % Max	148	0	148	0	0	0	0	0	0	148	0	148	
2	Grain Size Analysis	IS 2720 Part 4	2 test per 3000 m^3	-	148	0	148	0	0	0	0	0	0	148	0	148	
3	Plasticity Index	IS 2720 Part 5	2 test per 3000 m^3	L.L.= Not>50 %,PI =Not> 25 %	148	0	148	0	0	0	0	0	0	148	0	148	
4	Max. Dry Density	IS 2720 Part 8	2 test per 3000 m^3	Up to 3m 1.52 gm./cc	148	0	148	0	0	0	0	0	0	148	0	148	
5	CBR	IS 2720 Part 16	1 test as required	Min. 8 % or as per design	0	0	0	0	0	0	0	0	0	0	0	0	
6	Density of Comp.Layer	IS 2720 Part 28	1 set of 10 tests/ 3000 m^2	90-95 % of lab MDD	5548	82	5630	0	0	0	0	0	0	5548	82	5630	
Borrow Area (Embankment & Subgrade)																	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
1	Free Swell Index	IS 2720 Part 40	2 test per 3000 m^3	50 % Max	5371	0	5371	0	0	0	0	0	0	5371	0	5371	
2	Grain Size Analysis	IS 2720 Part 4	2 test per 3000 m^3	-	5371	0	5371	0	0	0	0	0	0	5371	0	5371	
3	Plasticity Index	IS 2720 Part 5	2 test per 3000 m^3	L.L.= Not>50 %,PI =Not> 25 %	5371	0	5371	0	0	0	0	0	0	5371	0	5371	
4	Max. Dry Density	IS 2720 Part 8	2 test per 3000 m^3	Up to 3m 1.52 gm./cc More than 3m 1.60 gm./cc	5371	0	5371	0	0	0	0	0	0	5371	0	5371	
5	CBR	IS 2720 Part 16	1 test per 3000 m3	Min. 8 % as per design	732	5	737	0	0	0	0	0	0	732	5	737	
Earthwork Field test																	
1	Density of Comp.Layer (Emb.)	IS 2720 Part 28	1 set of 10 tests per 3000 m^2	95% of Lab MDD	45196	1063	46259	0	0	0	0	0	0	45196	1063	46259	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
2	Density of Comp.Layer (Sub grade & Earthen shoulder)	IS 2720 Part 28	1 set of 10 tests per 2000 m^2	97% of Lab MDD	2176	96	2272	0	0	0	0	0	0	2176	96	2272	
3	Density of Comp.Layer RE Wall)	IS 2720 Part 28	1 set of 6 tests per 3000 m^2	97% of Lab MDD	1750	22	1772	0	0	0	0	0	0	1750	22	1772	
GSB																	
1	Sieve Analysis		1 Test /400M^3	As per MORT&H Table 400-1	760	0	760	0	0	0	0	0	0	760	0	760	
2	Plasticity Index	IS 2720 Part 5	1 Test /400M^3	LL=Not>25% PI=Not>6%	760	0	760	0	0	0	0	0	0	760	0	760	
3	Max. Dry Density	IS 2720 Part 8	1 TEST PER SOURCE		1	0	1	0	0	0	0	0	0	1	0	1	
4	CBR	IS 2720 Part 16	As Required	30% Min.	1	0	1	0	0	0	0	0	0	1	0	1	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
5	Water Absorption	IS 2386 Part 3	As Required	2% Max.	1	0	1	0	0	0	0	0	0	1	0	1	
6	AIV	IS 2386 (P-4) & IS 5640	As Required	40% Max	1	0	1	0	0	0	0	0	0	1	0	1	
7	Density of Comp.Layer	IS 2720 Part 28	1 Test /1000M^2	98% of Lab MDD	960	29	989	0	0	0	0	0	0	960	29	989	
WMM																	
1	Sieve Analysis		1 Test /200M^3	As per MORT&H Table 900-3/400-13	6	0	6	0	0	0	0	0	0	6	0	6	
2	Plasticity Index	IS 2720 Part 5	1 Test /200M^3	PI less 6%	6	0	6	0	0	0	0	0	0	6	0	6	
3	Max. Dry Density	IS 2720 Part 8	1 TEST PER SOURCE	MORT&H (406.3.3)	0	0	0	0	0	0	0	0	0	0	0	0	
4	AIV	IS 2386	1 Test /100M^3	30% Max	6	0	6	0	0	0	0	0	0	6	0	6	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
		(P-4)															
5	Los Angles Abrasion value	IS 2386 (P-4)	As Required	40% Max	0	0	0	0	0	0	0	0	0	0	0	0	
6	Combined FI & EI	IS 2386 Part 1	1 Test /500M^3	35% Max	6	0	6	0	0	0	0	0	0	6	0	6	
7	Water Absorption	IS 2386 Part 3	As Required	2% Max.	0	0	0	0	0	0	0	0	0	0	0	0	
8	Soundness Test Na2so4 & Mg2(So4)2	IS 2386 (P-5)	As Required	12% Max & 18% Max	0	0	0	0	0	0	0	0	0	0	0	0	
9	Density of Comp.Layer(WMM)	IS 2720 Part 28	1 Test (3 pits)/1000M^2	98% of Lab MDD	6	0	6	0	0	0	0	0	0	6	0	6	
PHYSICAL PROPERTIES OF AGGREGATE FOR CONCRETE																	
1	Sieve Analysis of CA	IS 2386 Part 1	1 Test/Concreting	As per IS 383	1879	0	1879	2	0	2	0	0	0	1881	0	1881	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
			Day														
2	Sieve Analysis of FA	IS 2386 Part 1	1 Test/Concreting Day	As per IS 383	1879	0	1879	2	0	2	0	0	0	1881	0	1881	
3	Aggregate Impact Value	IS 2386 Part 4	1 Test/Concreting Day	As per IS 383	882	0	882	1	0	1	0	0	0	883	0	883	
4	Flakiness Index	IS 2386 Part 1	1 Test/Concreting Day	As per IS 383	874	0	874	1	0	1	0	0	0	875	0	875	
5	Silt Content	IS 383	As Required		1647	0	1647	2	0	2	0	0	0	1649	0	1649	
6	Specific Gravity & W A	IS 2386 PART 3	1 Test/Month		6	0	6	0	0	0	0	0	0	6	0	6	
Concrete Mix Design (cube sets)																	
1	M15	IS-516	18 Cubes	As per MoRT&H	3	0	3	0	0	0	0	0	0	3	0	3	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
	7 Days																
	28 Days				9	0	9	0	0	0	0	0	0	9	0	9	
2	M20 Kerb 7 Days				15	0	15	0	0	0	0	0	0	15	0	15	
	28 Days				45	0	45	0	0	0	0	0	0	45	0	45	
3	M20 7 Days				3	0	3	0	0	0	0	0	0	3	0	3	
	28 Days				9	0	9	0	0	0	0	0	0	9	0	9	
4	M25 PCC 7 Days				52	0	52	0	0	0	0	0	0	52	0	52	
	28 Days				99	0	99	0	0	0	0	0	0	99	0	99	
5	M30 7 Days				140	0	140	0	0	0	0	0	0	140	0	140	
	28 Days				164	0	164	0	0	0	0	0	0	164	0	164	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
6	M35 7 Days				182	0	182	0	0	0	0	0	0	182	0	182	
	28 Days				315	0	315	0	0	0	0	0	0	315	0	315	
7	M35 Pile 7 Days				93	0	93	0	0	0	0	0	0	93	0	93	
	28 Days				159	0	159	0	0	0	0	0	0	159	0	159	
8	M35 RE block 7 Days				9	0	9	0	0	0	0	0	0	9	0	9	
	28 Days				9	0	9	0	0	0	0	0	0	9	0	9	
9	M40 7 Days				58	0	58	0	0	0	0	0	0	58	0	58	
	28 Days				87	0	87	0	0	0	0	0	0	87	0	87	
10	M45 7 Days				13	0	13	0	0	0	0	0	0	13	0	13	
	28 Days				19	0	19	0	0	0	0	0	0	19	0	19	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
11	M50 7 Days				43	0	43	0	0	0	0	0	0	43	0	43	
	28 Days				46	0	46	0	0	0	0	0	0	46	0	46	
12	M40 PQC 7 Days				100	0	100	0	0	0	0	0	0	100	0	100	
	28 Days		36 cubes & 36 beams		430	0	430	0	0	0	0	0	0	430	0	430	
13	M40 PQC Fl. Strength 7 Days				100	0	100	0	0	0	0	0	0	100	0	100	
	28 Days				430	0	430	0	0	0	0	0	0	430	0	430	
14	DLC 7 Days		10 cubes	Asper MoRT&H	127	29	156	0	0	0	0	0	0	127	29	156	
Compressive Strength of Concrete Cubes (Field)																	
1	M15 7 Days	IS-516	1 test - 0-5 M3 2test - 6-15 m3	As per MoRT&H	0	0	0	0	0	0	0	0	0	0	0	0	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
	28 Days		3test - 16-30 m3 4 test - 31- 50 m3 +1 test for every 50m3 concrete		0	0	0	0	0	0	0	0	0	0	0	0	
2	M25 Kerb 7 Days				224	0	224	0	0	0	0	0	0	224	0	224	
	28 Days				657	0	657	0	0	0	0	0	0	657	0	657	
3	M25 PCC 7 Days				842	0	842	0	0	0	0	0	0	842	0	842	
	28 Days				2140	0	2140	0	0	0	0	0	0	2140	0	2140	
4	M30 7 Days				1477	0	1477	2	0	2	1	0	1	1479	0	1479	
	28 Days				4271	0	4271	0	0	0	0	0	0	4271	0	4271	
5	M35 7 Days				1982	0	1982	1	0	1	0	0	0	1983	0	1983	
	28 Days				6604	0	6604	0	0	0	0	0	0	6604	0	6604	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
6	M35 Pile 7 Days				949	0	949	0	0	0	0	0	0	949	0	949	
	28 Days				2883	0	2883	0	0	0	0	0	0	2883	0	2883	
7	M35 RE block 7 Days				236	0	236	0	0	0	0	0	0	236	0	236	
	28 Days				649	0	649	0	0	0	0	0	0	649	0	649	
8	M30 Precast Drain 7 Days				143	0	143	0	0	0	0	0	0	143	0	143	
	28 Days				338	0	338	0	0	0	0	0	0	338	0	338	
9	M40 7 Days				600	0	600	1	0	1	0	0	0	601	0	601	
	28 Days				1350	0	1350	0	0	0	0	0	0	1350	0	1350	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
10	M45 7 Days				0	0	0	0	0	0	0	0	0	0	0	0	
	28 Days				0	0	0	0	0	0	0	0	0	0	0	0	
11	M50 PSC 7 Days				500	0	500	0	0	0	0	0	0	500	0	500	
	28 Days				1208	0	1208	0	0	0	0	0	0	1208	0	1208	
12	Grouting 7 Days			As per MORT&H	381	0	381	0	0	0	0	0	0	381	0	381	
	28 Days				365	0	365	0	0	0	0	0	0	365	0	365	
13	M40 PQC 7 Days	IS-516	1 test of 2 cubes & 2beams for 150 m3 or Min. 6 cubes & 6 beams for the day	As per MoRT&H	232	0	232	0	0	0	0	0	0	232	0	232	
	28 Days				2003	0	2003	0	0	0	0	0	0	2003	0	2003	
14	M40 PQC F.S 7 Days				232	0	232	0	0	0	0	0	0	232	0	232	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
	28 Days				2003	0	2003	0	0	0	0	0	0	2003	0	2003	
15	DLC 7 Days	IS-516	1set of 3cubes for 1000 m2	Asper MoRT&H	1448	0	1448	0	0	0	0	0	0	1448	0	1448	
16	DLC FDD	IS 2720 Part 28	1 Test /2000M^2	98% of Ref. Density	698	0	698	0	0	0	0	0	0	698	0	698	
Cement																	
1	Fineness	IS 4031	1 Test/Week		521	0	521	0	0	0	0	0	0	521	0	521	
2	Consistency	IS 4031	1 Test/Week		521	0	521	0	0	0	0	0	0	521	0	521	
3	Setting Time	IS 4031	1 Test/Week		521	0	521	0	0	0	0	0	0	521	0	521	
4	Soundness	IS 4031	1 Test/Week		102	0	102	0	0	0	0	0	0	102	0	102	
5	Compressive Strength	IS 4031	1 Test/Week														
	a) 3 Days		01 set = 3 Cube		520	0	520	0	0	0	0	0	0	520	0	520	

Sr No.	Name of Test	Testing Method	Frequency of Test	Specification Requirements	Number of Tests Conducted												Remark
					Up To Previous Month			This Month			IE Witness This Month			Total Up to Date			
					Passed	Failed	Total No. of Test	Passed	Failed	Total No. Of Test	Passed	Failed	Total No. of Test	Passed	Failed	Cum No. of Test	
	b) 7 Days		01 set = 3 Cube		523	0	523	0	0	0	0	0	0	523	0	523	
	c) 28 Days		01 set = 3 Cube		525	0	525	0	0	0	0	0	0	525	0	525	

8.2 Weather report

WEATHER REPORT (Month of August -2022)									
Sl. No	Date	Temperature °C		Humidity %		Rainfall (mm)	Cum. Rainfall (mm)	Weather Condition (Sunny/Cloudy/Rainy)	Remark
		Min. Temp	Max. Temp.	Min	Max				
1	01-Aug-22	26.8	35.1	65.0	94.0	9.0	9.0	Cloudy/Sunny/Rainy	
2	02-Aug-22	27.1	37.4	44.0	97.0	0.0	9.0	Cloudy/Sunny	
3	03-Aug-22	26.9	31.3	80.0	99.0	29.0	38.0	Cloudy/Rainy	
4	04-Aug-22	26.5	34.0	67.0	99.0	15.0	53.0	Cloudy/Rainy	
5	05-Aug-22	26.4	34.4	71.0	99.0	14.0	67.0	Cloudy/Rainy	
6	06-Aug-22	26.2	32.8	74.0	99.0	0.0	67.0	Cloudy	
7	07-Aug-22	27.1	36.3	60.0	99.0	0.0	67.0	Cloudy/Sunny	
8	08-Aug-22	27.3	36.8	58.0	99.0	27.0	94.0	Cloudy/Rainy	
9	09-Aug-22	26.5	32.4	78.0	99.0	8.0	102.0	Cloudy/Rainy	
10	10-Aug-22	26.8	35.0	69.0	99.0	62.0	164.0	Cloudy/Rainy	
11	11-Aug-22	27.4	33.8	82.0	99.0	11.0	175.0	Cloudy/Rainy	
12	12-Aug-22	26.1	31.6	82.0	99.0	25.0	200.0	Cloudy/Rainy	
13	13-Aug-22	26.1	33.3	66.0	99.0	5.0	205.0	Cloudy/Rainy	
14	14-Aug-22	26.3	33.6	66.0	99.0	2.0	207.0	Cloudy/Rainy	
15	15-Aug-22	26.1	33.3	66.0	99.0	29.0	236.0	Cloudy/Rainy	
16	16-Aug-22	25.8	32.4	66.0	99.0	16.0	252.0	Cloudy/Rainy	
17	17-Aug-22	25.5	29.9	84.0	99.0	30.0	282.0	Cloudy/Rainy	
18	18-Aug-22	25.7	33.5	71.0	99.0	12.0	294.0	Cloudy/Rainy	
19	19-Aug-22	25.8	34.0	64.0	99.0	5.0	299.0	Cloudy/Rainy	
20	20-Aug-22	26.3	34.8	62.0	96.0	0.0	299.0	Cloudy/Rainy	
21	21-Aug-22	26.6	33.8	63.0	92.0	0.0	299.0	Cloudy	
22	22-Aug-22	25.2	34.6	71.0	99.0	3.0	302.0	Cloudy/Rainy	
23	23-Aug-22	25.8	30.8	71.0	96.0	0.0	302.0	Cloudy	
24	24-Aug-22	26.3	35.5	56.0	97.0	4.0	306.0	Cloudy/Rainy	
25	25-Aug-22	25.7	33.0	66.0	98.0	0.0	306.0	Cloudy/Sunny	

26	26-Aug-22	26.5	36.8	48.0	95.0	0.0	306.0	Cloudy/Sunny	
27	27-Aug-22	26.4	36.3	47.0	92.0	0.0	306.0	Cloudy/Sunny	
28	28-Aug-22	26.3	36.7	45.0	93.0	0.0	306.0	Cloudy/Sunny	
29	29-Aug-22	27.3	36.4	50.0	93.0	0.0	306.0	Cloudy/Sunny	
30	30-Aug-22	27.2	39.8	44.0	95.0	0.0	306.0	Sunny	
31	31-Aug-22	27.2	39.9	44.0	99.0	16.0	322.0	Sunny/Cloudy/Rainy	
	Average	26.4	34.5	63.9	97.4				

9.0 Safety Features

9. 1 Pen picture of safety features

Location of Black spot	Suggested Remedial Measures with in provisions of Concession Agreement	Additional Remedial Measures (if any)	Financial implications of additional Remedial Measures for Authority
312	Barricade Working Zone Properly	Provide Concrete Jersey Barrier	
	Provide Advance Warning Boards		

Note - Detailed Site safety report attached as Annexure-09

9.2 Accident report: No Accident This Month

10.0 Review status of drawings/design reports

10.1 Structure drawing status

Sr. No	Type of Structure	Total scope [Nos.]	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
1	Pipe Culvert	35	35	35	-	Submitted via direct mail from Designer to IE dated 15.05.2019 at 2:36 PM	Found in order as per MOM dt. 17.05.2019	Approved
2	Box Culvert	27	27	22	-	7 Nos. submitted via Letter No. 184 dated12.12.2019	12 Nos are found in order (less than 20°) in MOM 6 Nos. are found in order vide ltr. No. 1595, 1659, 1682 and 1683	22 Nos Approved, 5 Nos SSNNL consent pending.
3	Flyover	1	1	1	299+375	Submitted via letter no. 042 dated 25.02.2020 Bearing submitted via letter no. 020 dt. 24.01.2020	Comments received via letter No. 989 dated 04.11.2019 Comments on bearing received via letter no. 1445 dt. 12.02.2020	Approved vide ltr. no. 1669 dated 10.04.2020
4	Major Bridge	3	3	3	302+732	Submitted via letter no. 335 dated 23.12.2019	Comments received via letter No. 1331 dated 20.01.2020	Approved by IE via ltr. 1259 dt. 01.01.2020
					318+875	Submitted via letter no. 239 dated 04.10.2019	-	Approved vide letter no. 1084 dt. 02.12.2020
					321+280	Submitted via letter no. 179 dated 24.07.2019	-	Approved in MOM dt. 30.08.2019

Sr. No	Type of Structure	Total scope [Nos.]	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
5	Minor Bridge	11	11	9	294+085	Submitted via letter no. 189 dated 19.12.2019	Comments received via letter No. 1554 dated 03.03.2020	Approved vide letter no. 1554 dt. 03.03.2020
					296+432 -G	Submitted via letter no. 184 dated 06.08.2019	-	In meeting with GAIL, they have given concurrence on GAD with SDD method. Therefore no needs to provide structure
					297+472	Submitted via letter no. 049 dated 03.03.2020 & 194 Dt. 24.12.2019	Letter No. 1364 dated 30.01.2020	Approved by IE via ltr. 1660 dt. 04.04.2020
					297+562	Submitted via letter no. 185 dated 06.08.2019	-Comments received on Hyd. Report via letter No. 905 dated 27.09.2019	Approved in MOM dt. 30.08.2019
					304+450 -G	Submitted via letter no. 145 dated 17.08.2019	-	In meeting with GAIL, they have given concurrence on GAD with SDD method. Therefore no needs to provide structure
					307+731	Submitted via letter no. 260 dated 21.10.2019 (GFC)	-	Approved by IE via ltr. 1006 dt. 08.11.2019

Sr. No	Type of Structure	Total scope [Nos.]	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
					309+100 -G	Submitted via letter no. 254 dated 17.10.2019	Comments received via letter No. 1003 dated 08.11.2019	Approved by IE ltr. 1813 dt. 05.06.2020, Bearing compliance submitted vide letter no. 115 dt. 12.06.2020
					309+840	Submitted via letter no. 011 Dated 08.01.2020	Approved via mail dt. 25.11.2019	Approved vide IE letter No. 1705 dated 24.04.2020
					310+752 -G	Submitted via letter no. 199 dated 31.12.2019	Comments received via letter No. 1465 dated 15.02.2020	Approved vide IE letter No. 2097 dated 06.08.2020
					313+835	Submitted via letter no. 145 dated 17.08.2019	-	Approved in MOM dt. 30.08.2019
					314+314	Submitted via letter no. 334 dated 23.12.2019	Comments received via letter No. 1226 dated 24.12.2019 to submit Hydrology report, Compliance Done vide letter no 29 Dt.29.01.2021	Approved vide IE Letter no 1226 dt. 24.12.2019

Sr. No	Type of Structure	Total scope [Nos.]	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
6	PUP	30	30	30	-	-29 Nos via letter No. 21 dated 22.10.2018 - 1 No via letter No. 37 dated 12.12.2018 -Further 18 Nos revised Submitted Via ltr no. 18 on 28.02.2019, also Directly submitted by Designer to Aarvee via mail dt. 23.05.2019 at 6:41 pm R3-PVKEPL/HO/VKP3/IE/093/2019 dt. 28.05.2019 - Further revised 12 Nos submitted via 049 on 17.04.2019 -Directly by Designer to Aarvee via mail dt. 30.05.2019	Comments received via letter no. AA/VKE/PVKEPL/092/19-20/DESIGN REVIEW/357 dated 06.05.2019 and AA/VKE/PVKEPL/092/19-20/DESIGN REVIEW/442 dated 28.05.2019 on Geotech reports 3 Approved vide AA/VKE/PVKEPL/0114/19-20/DESIGN REVIEW/472 Dt. 03.06.2019 18 Approved vide AA/VKE/PVKEPL/0115/19-20/DESIGN REVIEW/473 Dt. 03.06.2019 Approval received vide letter no 1147 dt. 13.12.2019 on drawing submitted vide ltr no. 208 6 nos. Approved vide IE letter no. 3265 dated 26.04.2021 1 No approved vide letter no 2913 Dt. 09.02.2021	30 Nos approved

Sr. No	Type of Structure	Total scope [Nos.]	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
7	VUP	3	3	3	295+575	**Submitted via letter no. 044 dated 26.02.2020**	AA/VKE/PVKEPL/0116/19-20/DESIGN REVIEW/474 Dt. 03.06.2019	Approved by IE
					303+830	**Submitted via letter no. 045 dated 26.02.2020**	Approval received via letter No. 1261 dated 02.01.2020	Approved by IE
					312+720	**Submitted via letter no. 045 dated 26.02.2020**	Approval received via letter No. 1261 dated 02.01.2020	Approved by IE
8	VOP	1	1	1	307+193	Submitted via letter no. 003 dated 01.01.2020 & PVKEPL/HO/VKP3/IE/374/2020 dt. 02.02.2020	Comments received via letter No. 1555 dated 03.03.2020 Submitted via letter no. 142 dated 01.08.2020	Approved vide ltr no. 2194
9	LVUP	7	7	7		Submitted via letter no. 226 dated 24.09.2019	-	Approved by IE via ltr. 1146 dt. 30.01.2020
10	ROB (Non-Railway)	1	1	1	293+014	Submitted via letter no. 198 dated 31.12.2019	Comments received via letter No. 1368 dated 30.01.2020	Approved
11	Truck Parking Area	2	2	2		Submitted via letter no. 159 dated 28.08.2020	AA/VKE/PVKEPL/459/20-21/DESIGN REVIEW/2219 Dt. 03.09.2020	Approved vide IE letter No. 2219 dated 03.09.2020
12	Small	3	3	3		Submitted via letter no. 154	AA/VKE/PVKEPL/453/20-21/DESIGN REVIEW/2182 Dt.	Approved vide IE letter No. 2182 dated

Sr. No	Type of Structure	Total scope [Nos.]	Nos. of structures Submitted to IE	Nos. of structures Approved by IE	Chainage	Submission to IE	Comments from IE	Remarks
	Parking Area					dated 20.08.2020	26.08.2020	26.08.2020
13	Highway Lighting	1	1	1	Entire Project	Submitted via letter no. 151 dated 17.08.2020	AA/VKE/PVKEPL/450/20-21/DESIGN REVIEW/2177 Dt. 25.08.2020	Approved vide IE letter No. 2177 dated 26.08.2020
14	Chian link Fencing	1	1	1	Entire Project	Submitted via letter no. 018 dated 21.01.2020	AA/VKE/PVKEPL/404/20-21/DESIGN REVIEW/1926 Dt. 30.06.2020	Approved vide IE letter No. 1926 dated 30.06.2020

10.2 Highway drawing status

Plan and Profile				
Sr No.	**Description**	**Concessionaire Submission Letter No. and Date**	**IE's comment Letter No. and Date**	**Remark**
1	MCW	# 267 on 02.11.2019	# *1144* Dt. 13.12.2019	
2	Connecting road	# 267 on 02.11.2019	# *1144* Dt. 13.12.2019	
3	VOP Approaches	# *35* on 08.04.2019	# *476* Dt. 04.06.2019	

Abstract of Pavement Design

Connecting Road / Main Carriageway & Type of Pavement			Pavement Composition	Status	Remark
connecting Roads/ Overpass Cross Roads	Flexible Pavement	New Construction (10 MSA)	40 mm BC + 50 mm DBM +250 mm WMM + 200 mm GSB + 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			30 mm BC + 50 mm DBM +250 mm WMM + 200 mm GSB + 500 mm Subgrade with 10% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			30 mm BC + 50 mm DBM +100 mm WMM + 150 mm CTSB + 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			30 mm BC + 50 mm DBM +100 mm WMM + 150 mm CTSB + 500 mm Subgrade with 10% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			40 mm BC + 100 mm Aggregate Layer (WMM) + 200 mm Cemented Base + 250 mm GSB + 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
			40 mm BC + 100 mm Aggregate Layer (WMM) + 200 mm Cemented Base + 250 mm GSB + 500 mm Subgrade with 10 % effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019
Main Carriage Way	Rigid Pavement	New Construction	300 mm PQC + 150 mm DLC + 150 mm GSB+ 500 mm Subgrade with 8% effective CBR	APPROVED	Letter no. AA/VKE/PVKEPL/051/18-19/Design Review/176 dated 13.03.2019

PLANT STATUS

CRUSHER:- 300 TPH @ Rajpardi for Aggregates – Functional

Batching Plant:-

1. Batching Plant (60 CUM) @ Tralsa Camp (KM 299+350 R/S) - Functional
2. Batching Plant (112 CUM) @ Tralsa Camp (KM 299+350 R/S) - Functional
3. Batching Plant (60 CUM) @ Dayadra (KM 300+000 L/S) - Functional
4. Batching Plant -PQC (240 CUM) - Functional
5. DLC Plant(300 MT)) - Functional

Borrow Area:-

Status	Number of Borrow areas	Qty(Cum)
Approved	203	66,49,128
Submitted	39	14,46,132
Total	**242**	**80,95,260**

10.3 Review status of source approvals & Mix Design

Sr No	Description	Date of Approval	Approval Letter No.
1	**Cement**		
i	Ultra Tech Cement Ltd	02.02.2019	AA/VKE/PVKEPL/011/18-19/Q & M /048
ii	Gujrat Siddhi Cement Ltd	11.04.2019	AA/VKE/PVKEPL/070/19-20/Q & M /281
iii	Saurarshtra Cement Ltd (Hathi Cement)	13.04.2019	AA/VKE/PVKEPL/074/19-20/Q & M /289
iv	JK Lakshmi Cement Ltd	02.02.2019	AA/VKE/PVKEPL/011/18-19/Q & M /048
v	Sanghi Industries Ltd	02.02.2019	AA/VKE/PVKEPL/011/18-19/Q & M /048
vi	Birla Corporation Ltd	02.02.2019	AA/VKE/PVKEPL/011/18-19/Q & M /048
vii	Udaipur Cement works Ltd	02.02.2019	AA/VKE/PVKEPL/011/18-19/Q & M /048
viii	Nuvoco Vistas Corporation Ltd	24.06.2019	AA/VKE/PVKEPL/125/18-19/Q & M /546
ix	Wonder Cement Ltd	21.11.2019	AA/VKE/PVKEPL/211/19-20/Q & M /1048
x	Ambuja Cement Ltd	21.11.2019	AA/VKE/PVKEPL/211/19-20/Q & M /1046
xi	JK Cement Ltd	03.11.2020	AA/VKE/PVKEPL/508/19-20/Q & M /2487
2	**Reinforcement Steel**		
i	Jindal Steel & Power (JSPL)	13.05.2019	AA/VKE/PVKEPL/100/19-20/Q & M /393
ii	Electro Steel Pvt. Ltd	09.07.2019	AA/VKE/PVKEPL/144/19-20/Q & M /609
iii	ESSAR	09.07.2019	AA/VKE/PVKEPL/144/19-20/Q & M /609
iv	Electrotherm (India) Ltd	15.01.2020	AA/VKE/PVKEPL/284/19-20/Q & M /1310
3	**Aggregates**		
i	Rajpahardi (Coarse Agg)	15.02.2019	AA/VKE/PVKEPL/028/18-19/Q & M /085
ii	Nadeshwar (Fine Agg)	15.02.2019	AA/VKE/PVKEPL/029/18-19/Q & M /086
iii	Bodeli (Fine Agg)	15.02.2019	AA/VKE/PVKEPL/029/18-19/Q & M /086
4	**Chemical Admixture**		
i	Kunal	12.02.2019	AA/VKE/PVKEPL/018/18-19/Q & M /062
ii	BASF	12.02.2019	AA/VKE/PVKEPL/018/18-19/Q & M /062
iii	STP Limited	24.09.2019	AA/VKE/PVKEPL/184/19-20/Q & M /882
iv	CAC Pvt.Limited	21.11.2019	AA/VKE/PVKEPL/192/19-20/Q & M /1051
v	Yahska	31.08.2019	AA/VKE/PVKEPL/167/19-20/Q & M /784
vi	Sika India Pvt Ltd	04.10.2019	AA/VKE/PVKEPL/192/19-20/Q & M /925
vii	Fosroc	08.11.2019	AA/VKE/PVKEPL/201/19-20/Q & M /995
a)	**Micro Silica/ GGBS/Silica Fume/Fly Ash**		
i	Suyog Element India Pvt. Ltd	04.10.2019	AA/VKE/PVKEPL/193/19-20/Q & M /926
ii	Ishita enterprises (GGBS)	13.02.2020	AA/VKE/PVKEPL/314/19-20/Q&M/1448
iii	Guru Corporation	12.06.2020	AA/VKE/PVKEPL/394/20-21/Q&M/1850

Sr No	Description	Date of Approval	Approval Letter No.
6	**Water**		
i	Bore well at Camp Ch-299+300 RHS	28.03.2019	AA/VKE/PVKEPL/041/18-19/Q & M /223
7	**Hume Pipe - NP4**		
I	Giriraj Hump pipe Industries	12.02.2019	AA/VKE/PVKEPL/022/18-19/Q & M /066
ii	T & G Precast Industries	24.06.2019	AA/VKE/PVKEPL/126/19-20/Q & M /547
8	**GEOTEXTILE**		
I	M/S Maccaferri Environmental Solutions Pvt. Lts	08.11.2019	AA/VKE/PVKEPL/202/19-20/Q & M /996
ii	M/S Manas Geo Tech India Pvt. Lts	09.12.2019	AA/VKE/PVKEPL/229/19-20/Q & M /1130
iii	M/S Techfab (India) Industries Lts	08.11.2019	AA/VKE/PVKEPL/202/19-20/Q & M /996
iv	M/S Terre Armee	09.12.2019	AA/VKE/PVKEPL/229/19-20/Q & M /1130
V	M/s Narjis International Company	19.02.2020	AA/VKE/PVKEPL/322/19-20/Q & M /1489
VI	M/S Geo Source	17.12.2020	AA/VKE/PVKEPL/527/19-20/Q & M /2631
9	**PQC MISC ITEMS**		
I	M/S Yash Enterprises (Separation membrane, dowel bar sleeves	13.02.2020	AA/VKE/PVKEPL/319/19-20/Q&M/1458
ii	M/S Electrotherm (India) Ltd- MS Round bar	15.01.2020	AA/VKE/PVKEPL/284/19-20/Q&M/1310
iii	M/S Solanki plastic- (Dowel bar sleeves, separation memebrane)	12.02.2020	AA/VKE/PVKEPL/310/19-20/Q&M/1442
iv	M/S Akar Engineers- (Dowel bar sleeves & Separation membrane)	19.02.2020	AA/VKE/PVKEPL/325/19-20/Q&M/1492
10	**Cement Grouting Admixture**		
I	BASF India Ltd	13.02.2020	AA/VKE/PVKEPL/316/19-20/Q&M/1450
ii	Fosroc	13.02.2020	AA/VKE/PVKEPL/313/19-20/Q&M/1447
11	**Independent Laboratory**		
I	Mukesh A Patel	12.02.2019	AA/VKE/PVKEPL/021/18-19/Q & M /065
ii	Geo Designs & Research Pvt. Ltd	11.04.2019	AA/VKE/PVKEPL/072/19-20/Q & M /283
iii	Shri Balaji Test House Pvt Ltd	27.01.2021	AA/VKE/PVKEPL/561/20-21/Q & M /2822
iv	M/S Divine Mettallurgical Service Pvt. Ltd.	24.05.2021	AA/VKE/PVKEPL/689/20-21/Q & M /3394
12	**Structural Items**		
I	M/S Dynamic Prestress (I) Ltd (Bearing& Prestressing Materials)	26.12.2019	AA/VKE/PVKEPL/263/19-20/Q & M /1231
ii	M/S INIZ Plastomech pvt. Ltd (Sheathing Ducts)	07.01.2020	AA/VKE/PVKEPL/278/19-20/Q & M /1285
iii	M/S Sanfield India Ltd(Bearing)	09.12.2019	AA/VKE/PVKEPL/231/19-20/Q & M /1132
iv	M/s Unitech Couplers India Pvt. Ltd	23.12.2019	AA/VKE/PVKEPL/250/19-20/Q & M /1212

Sr No	Description	Date of Approval	Approval Letter No.
v	M/s Vadol Corporation Ltd (Reinforcement couplers)	31.12.2019	AA/VKE/PVKEPL/266/19-20/Q & M /1243
vi	M/s Usha Martin Ltd(HT Strands)	07.01.2020	AA/VKE/PVKEPL/276/19-20/Q & M /1283
vii	M/s DECG International (Bearing & Expansion Joint)	07.10.2020	AA/VKE/PVKEPL/478/20-21/Q & M /2348
viii	M/s DP Wires Ltd (HT Strands)	11.11.2020	AA/VKE/PVKEPL/478/20-21/Q & M /2529
IX	M/S Steel Auto Industries (Bearings)	31.12.2020	AA/VKE/PVKEPL/541/19-20/Q & M /2711
13	**Curing Compound, Seleant**		
ii	STP	24.09.2019	AA/VKE/PVKEPL/184/19-20/Q & M /882
ii	Sika India Pvt Ltd	19.02.2020	AA/VKE/PVKEPL/327/19-20/Q & M /1494
iii	BASF India Ltd	13.02.2020	AA/VKE/PVKEPL/316/19-20/Q&M/1450
iv	Choksy Chemical pvt Ltd	26.02.2020	AA/VKE/PVKEPL/351/19-20/Q&M/1640
14	**Borrow Area**		
1	1	23.02.19	AA/VKE/PVKEPL/037/18-19/Q & M /119
2	1-Extension	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
3	1-A	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
4	1-B	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
5	1-C	20.08.19	AA/VKE/PVKEPL/164/19-20/Q & M /754
6	1-D	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
7	1-E	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
8	2	23.02.19	AA/VKE/PVKEPL/031/18-19/Q & M /113
9	2-A	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
10	2-B	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
11	2-C	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
12	2-D	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
13	3	23.02.19	AA/VKE/PVKEPL/038/18-19/Q & M /120
14	3-A	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
15	4	23.02.19	AA/VKE/PVKEPL/030/18-19/Q & M /114
16	4-B	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
17	4-C	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
18	4-D	01.07.19	AA/VKE/PVKEPL/136/19-20/Q & M /579
19	4-E	29.07.19	AA/VKE/PVKEPL/156/19-20/Q & M /680
20	4-F	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
21	4-G	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
22	5	23.02.19	AA/VKE/PVKEPL/032/18-19/Q & M /116
23	5-A	20.08.19	AA/VKE/PVKEPL/164/18-19/Q & M /754
24	5-B	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
25	6	23.02.19	AA/VKE/PVKEPL/030/18-19/Q & M /114

Sr No	Description	Date of Approval	Approval Letter No.
26	6-A	01.07.19	AA/VKE/PVKEPL/135/19-20/Q & M /578
27	6-B	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
28	6-C	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
29	7	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
30	8	23.02.19	AA/VKE/PVKEPL/030/18-19/Q & M /114
31	8-A	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
32	8-B	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
33	8-C	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
34	8-D	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
35	9	23.02.19	AA/VKE/PVKEPL/036/18-19/Q & M /118
36	10	23.02.19	AA/VKE/PVKEPL/035/18-19/Q & M /117
37	10-A	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
38	10-B	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
39	10-C	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
40	11	23.02.19	AA/VKE/PVKEPL/031/18-19/Q & M /115
41	11-A	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
42	11-B	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
43	12	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
44	12-A	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
45	13	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
46	14	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
47	14-A	16.10.19	AA/VKE/PVKEPL/194/19-20/Q & M /950
48	15	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
49	16	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
50	17	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
51	18	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
52	18-A	29.07.19	AA/VKE/PVKEPL/156/19-20/Q & M /680
53	19	11.04.19	AA/VKE/PVKEPL/071/19-20/Q & M /282
54	20	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
55	20-A	20.08.19	AA/VKE/PVKEPL/164/18-19/Q & M /754
56	21	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
57	22	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
58	23	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
59	24	24.05.19	AA/VKE/PVKEPL/107/19-20/Q & M /430
60	24A	29.07.19	AA/VKE/PVKEPL/156/19-20/Q & M /680
61	25	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
62	25-A	01.07.19	AA/VKE/PVKEPL/136/19-20/Q & M /579
63	25-B	20.08.19	AA/VKE/PVKEPL/164/18-19/Q & M /754
64	26	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548

Sr No	Description	Date of Approval	Approval Letter No.
65	27	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
66	28	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
67	28-A	29.07.19	AA/VKE/PVKEPL/156/19-20/Q & M /680
68	29	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
69	30	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
70	31	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
71	31-A	20.08.19	AA/VKE/PVKEPL/164/18-19/Q & M /754
72	32	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
73	33	24.06.19	AA/VKE/PVKEPL/127/19-20/Q & M /548
74	36	20.08.19	AA/VKE/PVKEPL/164/18-19/Q & M /754
75	37	21.11.19	AA/VKE/PVKEPL/212/19-20/Q & M /1047
76	38	21.11.19	AA/VKE/PVKEPL/212/19-20/Q & M /1047
77	39	29.11.19	AA/VKE/PVKEPL/212/19-20/Q & M /1047
78	26A	21.11.19	AA/VKE/PVKEPL/221/19-20/Q & M /1079
79	40	29.11.19	AA/VKE/PVKEPL/222/19-20/Q & M /1080
80	41	29.11.19	AA/VKE/PVKEPL/223/19-20/Q & M /1081
81	4-I	29.11.19	AA/VKE/PVKEPL/223/19-20/Q & M /1081
82	38-A	09.12.19	AA/VKE/PVKEPL/230/19-20/Q & M /1131
83	42	23.12.19	AA/VKE/PVKEPL/257/19-20/Q & M /1219
84	43	23.12.19	AA/VKE/PVKEPL/257/19-20/Q & M /1219
85	44	23.12.19	AA/VKE/PVKEPL/256/19-20/Q & M /1218
86	42-A	31.12.19	AA/VKE/PVKEPL/267/19-20/Q & M /1244
87	44-A	31.12.19	AA/VKE/PVKEPL/267/19-20/Q & M /1244
88	44-B	31.12.19	AA/VKE/PVKEPL/267/19-20/Q & M /1244
89	26-B	31.12.19	AA/VKE/PVKEPL/267/19-20/Q & M /1244
90	23-A	01.01.20	AA/VKE/PVKEPL/270/19-20/Q&M/1257
91	45	01.01.20	AA/VKE/PVKEPL/270/19-20/Q&M/1257
92	37-A	07.01.20	AA/VKE/PVKEPL/277/19-20/Q&M/1284
93	46	07.01.20	AA/VKE/PVKEPL/277/19-20/Q&M/1284
94	47	07.01.20	AA/VKE/PVKEPL/277/19-20/Q&M/1284
95	25-E	06.02.20	AA/VKE/PVKEPL/317/19-20/Q&M/1451
96	49	06.02.20	AA/VKE/PVKEPL/298/19-20/Q&M/1396
97	41-A	06.02.20	AA/VKE/PVKEPL/298/19-20/Q&M/1396
98	50	06.02.20	AA/VKE/PVKEPL/298/19-20/Q&M/1396
99	23-B	06.02.20	AA/VKE/PVKEPL/298/19-20/Q&M/1396
100	51	06.02.20	AA/VKE/PVKEPL/298/19-20/Q&M/1396
101	49-A	06.02.20	AA/VKE/PVKEPL/299/19-20/Q&M/1397
102	41-B	06.02.20	AA/VKE/PVKEPL/299/19-20/Q&M/1397
103	27-A	06.02.20	AA/VKE/PVKEPL/299/19-20/Q&M/1397

Sr No	Description	Date of Approval	Approval Letter No.
104	52	06.02.20	AA/VKE/PVKEPL/299/19-20/Q&M/1397
105	35-A	06.02.20	AA/VKE/PVKEPL/300/19-20/Q&M/1398
106	41-C	06.02.20	AA/VKE/PVKEPL/300/19-20/Q&M/1398
107	53	06.02.20	AA/VKE/PVKEPL/300/19-20/Q&M/1398
108	43-B	06.02.20	AA/VKE/PVKEPL/301/19-20/Q&M/1399
109	42-C	13.02.20	AA/VKE/PVKEPL/315/19-20/Q&M/1449
110	48	13.02.20	AA/VKE/PVKEPL/315/19-20/Q&M/1449
111	35-B	12.02.20	AA/VKE/PVKEPL/308/19-20/Q&M/1440
112	47-A	12.02.20	AA/VKE/PVKEPL/308/19-20/Q&M/1440
113	55	19.02.20	AA/VKE/PVKEPL/326/19-20/Q&M/1493
114	56	19.02.20	AA/VKE/PVKEPL/326/19-20/Q&M/1493
115	57	19.02.20	AA/VKE/PVKEPL/326/19-20/Q&M/1493
116	37-B	19.02.20	AA/VKE/PVKEPL/326/19-20/Q&M/1493
117	47-B	19.02.20	AA/VKE/PVKEPL/326/19-20/Q&M/1493
118	5-C	22.02.20	AA/VKE/PVKEPL/330/19-20/Q&M/1510
119	53-A	22.02.20	AA/VKE/PVKEPL/330/19-20/Q&M/1510
120	54	19.02.20	AA/VKE/PVKEPL/323/19-20/Q&M/1490
121	49-B	19.02.20	AA/VKE/PVKEPL/323/19-20/Q&M/1490
122	49-C	20.03.20	AA/VKE/PVKEPL/347/19-20/Q&M/1636
123	53-B	20.03.20	AA/VKE/PVKEPL/348/19-20/Q&M/1637
124	57-A	20.03.20	AA/VKE/PVKEPL/348/19-20/Q&M/1637
125	53-C	20.03.20	AA/VKE/PVKEPL/345/19-20/Q&M/1634
126	26-C	20.03.20	AA/VKE/PVKEPL/346/19-20/Q&M/1635
127	52-A	20.03.20	AA/VKE/PVKEPL/346/19-20/Q&M/1635
128	56-A	20.03.20	AA/VKE/PVKEPL/346/19-20/Q&M/1635
129	20-C	09.06.20	AA/VKE/PVKEPL/391/20-21/Q&M/1834
130	65	09.06.20	AA/VKE/PVKEPL/391/20-21/Q&M/1834
131	58	27.07.20	AA/VKE/PVKEPL/428/20-21/Q&M/2048
132	50-A	27.07.20	AA/VKE/PVKEPL/428/20-21/Q&M/2048
133	52-B	27.07.20	AA/VKE/PVKEPL/428/20-21/Q&M/2048
134	59	27.07.20	AA/VKE/PVKEPL/428/20-21/Q&M/2049
135	63	07.07.20	AA/VKE/PVKEPL/415/20-21/Q&M/1970
136	64	07.07.20	AA/VKE/PVKEPL/415/20-21/Q&M/1970
137	42-D	07.07.20	AA/VKE/PVKEPL/415/20-21/Q&M/1970
138	55-A	07.07.20	AA/VKE/PVKEPL/415/20-21/Q&M/1970

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139	49-D	07.07.20	AA/VKE/PVKEPL/415/20-21/Q&M/1969
140	50-B	07.07.20	AA/VKE/PVKEPL/415/20-21/Q&M/1969
141	60	07.07.20	AA/VKE/PVKEPL/413/20-21/Q&M/1968
142	59-A	02.07.20	AA/VKE/PVKEPL/405/20-21/Q&M/1934
143	64-A	02.07.20	AA/VKE/PVKEPL/405/20-21/Q&M/1934
144	42-E	02.07.20	AA/VKE/PVKEPL/405/20-21/Q&M/1934
145	50-C	02.07.20	AA/VKE/PVKEPL/406/20-21/Q&M/1935
146	67	26.10.20	AA/VKE/PVKEPL/501/20-21/Q&M/2451
147	68	26.10.20	AA/VKE/PVKEPL/502/20-21/Q&M/2452
148	68-A	11.11.20	AA/VKE/PVKEPL/514/20-21/Q&M/2528
149	70	11.11.20	AA/VKE/PVKEPL/514/20-21/Q&M/2527
150	71	11.11.20	AA/VKE/PVKEPL/514/20-21/Q&M/2527
151	72-A	24.12.20	AA/VKE/PVKEPL/537/20-21/Q&M/2677
152	70-A	23.12.20	AA/VKE/PVKEPL/535/20-21/Q&M/2673
153	71-A	23.12.20	AA/VKE/PVKEPL/535/20-21/Q&M/2673
154	54-A	17.12.20	AA/VKE/PVKEPL/625/20-21/Q&M/2628
155	67-A	17.12.20	AA/VKE/PVKEPL/625/20-21/Q&M/2628
156	72	07.01.21	AA/VKE/PVKEPL/549/20-21/Q&M/2748
157	73	07.01.21	AA/VKE/PVKEPL/549/20-21/Q&M/2748
158	74	07.01.21	AA/VKE/PVKEPL/548/20-21/Q&M/2747
159	74-A	07.01.21	AA/VKE/PVKEPL/546/20-21/Q&M/2745
160	75	07.01.21	AA/VKE/PVKEPL/547/20-21/Q&M/2746
161	76	06.02.21	AA/VKE/PVKEPL/572/20-21/Q&M/2889
162	79	09.03.21	AA/VKE/PVKEPL/621/20-21/Q&M/3091
163	77-A	09.03.21	AA/VKE/PVKEPL/619/20-21/Q&M/3089
164	80	08.04.21	AA/VKE/PVKEPL/643/20-21/Q&M/3199
165	81	08.04.21	AA/VKE/PVKEPL/643/20-21/Q&M/3199

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166	73-B	08.04.21	AA/VKE/PVKEPL/643/20-21/Q&M/3199
167	78-A	08.04.21	AA/VKE/PVKEPL/642/20-21/Q&M/3198
168	76-A	30.04.21	AA/VKE/PVKEPL/668/20-21/Q&M/3291
169	58-A	30.04.21	AA/VKE/PVKEPL/668/20-21/Q&M/3291
170	82	19.05.21	AA/VKE/PVKEPL/668/20-21/Q&M/3366
171	84	19.05.21	AA/VKE/PVKEPL/668/20-21/Q&M/3366
172	83	19.05.21	AA/VKE/PVKEPL/682/20-21/Q&M/3368
173	85	19.05.21	AA/VKE/PVKEPL/681/20-21/Q&M/3367
174	81-A	01.06.21	AA/VKE/PVKEPL/696/21-22/Q&M/3434
175	76-B	01.06.21	AA/VKE/PVKEPL/696/21-22/Q&M/3434
176	87	01.06.21	AA/VKE/PVKEPL/696/21-22/Q&M/3434
177	86	01.06.21	AA/VKE/PVKEPL/695/21-22/Q&M/3433
178	88	07.06.21	AA/VKE/PVKEPL/702/20-21/Q&M/3462
179	89	22.07.21	AA/VKE/PVKEPL/745/21-22/Q&M/3679
180	Narmada River Sand (Used for RE-Wall)	22.07.21	AA/VKE/PVKEPL/743/21-22/Q&M/3677
15	**GSB Mix Design**	20.08.19	AA/VKE/PVKEPL/161/18-19/Q & M /751
16	**WMM Mix Design**	24.09.19	AA/VKE/PVKEPL/182/18-19/Q & M /880
17	**PQC Mix Design**		
1	PQC Mix Design with Wonder cement-43 grade, flyash & BASF Admixture	13.02.2020	AA/VKE/PVKEPL/318/19-20/Q&M/1457
2	PQC Mix Design with Sidhee cement-53 grade, flyash & BASF Admixture	19.02.2020	AA/VKE/PVKEPL/324/19-20/Q&M/1491
3	PQC Mix Design with Wonder cement-53 grade & BASF Admixture	20.03.20	AA/VKE/PVKEPL/349/19-20/Q&M/1638
4	PQC Mix Design with Saurasthra cement-43 grade, GGBS & BASF Admixture	20.03.20	AA/VKE/PVKEPL/352/19-20/Q&M/1641
5	PQC Mix Design with Wonder cement-43 grade, GGBS & BASF Admixture	26.10.20	AA/VKE/PVKEPL/500/20-21/Q&M/2449
6	PQC Mix Design with Ultratech cement-43 grade, GGBS & Fosroc Admixture	05.11.20	AA/VKE/PVKEPL/511/20-21/Q&M/2505
7	PQC Mix Design with Ultratech cement-43 grade, Flyash & Fosroc Admixture	05.11.20	AA/VKE/PVKEPL/511/20-21/Q&M/2504

Sr No	Description	Date of Approval	Approval Letter No.
8	PQC Mix Design with Nuvoco cement-43 grade, Flyash(Suyog) & Sika Admixture	17.12.20	AA/VKE/PVKEPL/511/20-21/Q&M/2630
9	PQC Mix Design with JK Super cement-43 grade, Flyash(Suyog) & Sika Admixture	17.12.20	AA/VKE/PVKEPL/525/20-21/Q&M/2629
10	PQC Mix Design with JK lakshmi cement-43 grade, Flyash(Suyog), Fiber (Reliance) & Sika Admixture	30.03.21	AA/VKE/PVKEPL/630/20-21/Q&M/3137
18	**DLC Mix Design**		
1	DLC Mix design with Sidhee OPC53 cement & Flyash	21.11.19	AA/VKE/PVKEPL/211/19-20/Q & M /1052
2	DLC Mix design with Sidhee OPC53 cement	21.11.19	AA/VKE/PVKEPL/211/19-20/Q & M /1049
19	**Concrete Mix Design**		
1	M30 RCC (Sidhee opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
2	M30 RCC (Sidhee opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
3	M35 RCC (Sidhee opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
4	M35 PILE (Sidhee opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
5	M40 RCC (Sidhee opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
6	M25 PCC (Ultratech opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
7	M30 RCC (Ultratech opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
8	M35 RCC (Ultratech opc 53+ Kunal admixture)	20.08.19	AA/VKE/PVKEPL/163/18-19/Q & M /753
9	M35 PILE (Ultratech opc 53+ Kunal admixture)	24.09.19	AA/VKE/PVKEPL/178/18-19/Q & M /876
10	M40 RCC (Ultratech opc 53+ Kunal admixture)	24.09.19	AA/VKE/PVKEPL/178/18-19/Q & M /876
11	M30 RCC (Sidhee opc 53+ BASF admixture)	04.10.19	AA/VKE/PVKEPL/191/18-19/Q & M /924
12	M35 Pile (Sidhee opc 53+ BASF admixture)	04.10.19	AA/VKE/PVKEPL/191/18-19/Q & M /924
13	M30 RCC (Sidhee opc 53+ Yahska admixture)	08.11.19	AA/VKE/PVKEPL/204/18-19/Q & M /998
14	M35 Pile (Sidhee opc 53+ Yahska admixture)	08.11.19	AA/VKE/PVKEPL/204/18-19/Q & M /998
15	M35 RCC (Sidhee opc 53+ BASF admixture)	08.11.19	AA/VKE/PVKEPL/203/18-19/Q & M /997
16	M40 RCC (Sidhee opc 53+ BASF admixture)	08.11.19	AA/VKE/PVKEPL/203/18-19/Q & M /997
17	M50 PSC (Utratech opc 53+ BASF admixture)	23.12.19	AA/VKE/PVKEPL/253/18-19/Q & M /1215
18	M50 PSC (Sidhee opc 53+ BASF admixture)	23.12.19	AA/VKE/PVKEPL/252/18-19/Q & M /1214
19	M25 PCC (Sidhee opc 53+ Sika admixture)	23.12.19	AA/VKE/PVKEPL/254/18-19/Q & M /1216
20	M30 RCC (Sidhee opc 53+ Sika admixture)	23.12.19	AA/VKE/PVKEPL/254/18-19/Q & M /1216
21	M35 RCC (Sidhee opc 53+ Sika admixture)	23.12.19	AA/VKE/PVKEPL/254/18-19/Q & M /1216
22	M35 Pile (Sidhee opc 53+ Sika admixture)	23.12.19	AA/VKE/PVKEPL/254/18-19/Q & M /1216
23	M25 PCC (Sidhee OPC 53+Flyash+Sika admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
24	M25 PCC (JK Lakshmi OPC 53+Flyash+BASF admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
25	M30 RCC (JK Lakshmi OPC 53+Flyash+Sika admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242

Sr No	Description	Date of Approval	Approval Letter No.
26	M35 RCC (Sidhee OPC 53+Flyash+Fosroc admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
27	M35 RCC (JK Lakshmi OPC 53+Flyash+Fosroc admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
28	M35 RCC (Sanghee OPC 53+Flyash+Sika admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
29	M35 Pile (JK Lakshmi OPC 53+Flyash+BASF admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
30	M35 Pile (JK Lakshmi OPC 53+Flyash+Sika admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
31	M40 RCC (JK Lakshmi OPC 53+Flyash+BASF admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
32	M45 RCC (Sanghee OPC 53+Flyash+Fosroc admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
33	M45 RCC (Sourashtra OPC 53+Flyash+Fosroc admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
34	M50 PSC (Sourashtra OPC 53+Flyash+Fosroc admixture)	31.12.19	AA/VKE/PVKEPL/265/18-19/Q & M /1242
35	M50 PSC (Ambuja OPC 53 Grade+Silica fume+BASF admixture)	29.07.20	AA/VKE/PVKEPL/432/20-21/Q & M /2060
36	M50 PSC (Ultratech OPC 53 Grade+Silica fume+BASF admixture)	29.07.20	AA/VKE/PVKEPL/432/20-21/Q & M /2060
37	M50 PSC (Wonder OPC 53 Grade+Silica fume+BASF admixture)	29.07.20	AA/VKE/PVKEPL/432/20-21/Q & M /2060
38	M50 PSC (Sidhee OPC 53 Grade+Silica fume+BASF admixture)	29.07.20	AA/VKE/PVKEPL/432/20-21/Q & M /2060
39	M50 PSC (Saurastra OPC 53 Grade+Silica fume+BASF admixture)	29.07.20	AA/VKE/PVKEPL/432/20-21/Q & M /2060
40	M-25 Kerb (Ambuja OPC 53 Grade+ Flyash+BASFAdmixture)	19.09.20	AA/VKE/PVKEPL/471/20-21/Q & M /2288

NCR Status :-

Sr. No.	NCPN NO	ISSUED DATE	DESCRIPTION OF NON-CONFORMANCE	DESCRIPTION OF REMEDIAL ACTION	REMEDIAL ACTION		CLOSED OUT DATE	REMARK
					YES	NO		
1	IE/NCR/PKG-III/001	12.11.2019	Embankment construction is carried out without treatment of OGL soil	Prooved OGL is Suitable	Yes		13.11.19	NCR Closed
2	IE/NCR/PKG-III/002	12.11.2019	Embankment construction is carried out without treatment of OGL soil	Prooved OGL is Suitable	Yes		13.11.19	NCR Closed
3	IE/NCR/PKG-III/003	12.11.2019	Depressed PUP raft at ch-304+170	Raft Level raised	Yes		13.11.19	NCR Closed
4	IE/NCR/PKG-III/004	14.10.2019	Depressed PUP raft at ch-305+058 and ch-309+550 PCC done without ground improvement	Ground Improvement done	Yes		23.10.19	NCR Closed
5	IE/NCR/PKG-III/005	12.08.2019	Back filling below the hume pipe not done properly at ch-303+408	Remedial Work Done	Yes		12.08.19	NCR Closed
6	IE/NCR/PKG-III/006	14.07.20	Reinforcement steel binding for Girder A1-P1-G1 LHS Span at ROB (293+014) rusted steel bars are being used binding of steel almost completed for the girder.	Remedial Work Done	Yes		13.08.20	NCR Closed
7	IE/NCR/PKG-III/007	15.07.20	Reinforcement bars of partially cast components are exposed to atmosphere since long at getting rusted at LVUP (321+673), VOP (307+170), fly over (299+354) reinforcement bars are laying scattered and uncovered in mansoon resulting into its rust at LVUP (321+673), VOP (307+170), fly over (299+354) and similar all are location in the stretch.	Remedial Work Done	Yes		13.08.20	NCR Closed
8	IE/NCR/PKG-III/008	10.08.20	The compressive strength test of RE Wall Block is to be carried out as Cl 3105.1.1 and section 1700 of MoRT&H Specification (5th Revision) in Presence of IE representative, prior to erection of RE Wall Block at site.	The compressive strength test of RE Wall Block was carried out in Presence of IE representative at third party Lab	YES		06.10.2020	NCR Closed
9	IE/NCR/PKG-III/009	13.08.20	Cleaning of Rust & coating of cement slurry to be done in exposed bars of retaing wall as per specification reference above.	Remedial Work Done	YES		10.11.2020	NCR Closed

Sr. No.	NCPN NO	ISSUED DATE	DESCRIPTION OF NON-CONFORMANCE	DESCRIPTION OF REMEDIAL ACTION	REMEDIAL ACTION		CLOSED OUT DATE	REMARK
					YES	NO		
10	IE/NCR/PKG-III/10	08.10.20	Deep and wide rain cuts observed along the project alignment edge from ch-317+700 to 317+900- LHS	Remedial Work Done	Yes		10.11.2020	NCR Closed
11	IE/NCR/PKG-III/11	08.10.20	Deep and wide rain cuts observed along the project alignment edge from ch-317+650 to 317+800- RHS	Remedial Work Done	Yes		10.11.2020	NCR Closed
12	IE/NCR/PKG-III/12	08.10.20	Deep and wide rain cuts observed along the project alignment edge from ch-296+100 to 296+350- LHS	Remedial Work Done	Yes		10.11.2020	NCR Closed
13	IE/NCR/PKG-III/13	08.01.2021	RE Wall construction is being carried out with sub standard precast concrete blocks. A lot of honeycomb and poor surface finish is obserbed at km 301+200 and 301+790. the concern persons are repeatedly informed and advice for improvement of such inferior blocks. but no action has been taken.	Remedial Work Done	Yes		02.03.2020	NCR Closed
14	IE/NCR/PKG-III/14	21.01.2021	More then 2 meter hight of unapproved soil have been laid in place of Backfill and filter material behind the retaing wall from chainage 322+450 to 322+540 on both sides	Remedial Work Done	Yes		02.03.2020	NCR Closed
15	IE/NCR/PKG-III/15	15.02.2021	Ground improvement for the construction of RE wall as recommended in drawing is not being followed from Ch. 299+090 to 299+322 on the RHS for Wall no. 01	As per revised design & drawing, there was no need to excavate extra depth for ground improvement.	Yes		27.04.2021	NCR Closed
16	IE/NCR/PKG-III/16	31.03.2021	The metal beam crash barrier MBCB fixing work has been started in median and shulder portion of both side carraigeway from km-304+250 to 306+700	Awaited material source approval	Yes			NCR Open
17	IE/NCR/PKG-III/17	19.04.2021	DLC laid materials from ch-321+680 to 321+770 LHS is not confirming to the specification & mix design of DLC.	Material removed from this Chainage.	Yes		22.05.2021	NCR Closed
18	IE/NCR/PKG-III/18	13.05.2021	Box Culvert : at Ch 322+750 : Precast Box segement for the culvert have been procured and brought at site without checking of reinforcement and review of Mix design for the concrete being used for construction since this culvert has to carry more then 8 Mtr filling over it reinforcement and concrete mix design have to be ensured as per approved design and drawing.	Remedial Work Done	Yes		19.07.2021	**NCR Closed**

Sr. No.	NCPN NO	ISSUED DATE	DESCRIPTION OF NON-CONFORMANCE	DESCRIPTION OF REMEDIAL ACTION	REMEDIAL ACTION		CLOSED OUT DATE	REMARK
					YES	NO		
19	IE/NCR/PKG-III/19	19.05.2021	Unsuitable soil laid for the construction of subgrade layer at ch-319+160 to 319+580 LHS	Remedial Work Done	Yes		16.06.2021	NCR Closed
20	IE/NCR/PKG-III/20	22.06.2021	The traffic diversion of Nabipur-Dayadra road on LHS is not opened for commuters and traffic of both carriageways of the road is moving through only one diversion, which is non conformance to the diversion plane submitted by the concessionaire and IE conset on it.	Remedial Work Done	Yes		19.07.2021	**NCR Closed**
21	IE/NCR/PKG-III/21	21.06.2021	GSB material has been laid over disturbed geo-textile (separation membrane) and excess moisture in subgrade from K.M-299+770 to 299+920 RHS	Remedial Work Done	Yes		19.07.2021	**NCR Closed**
22	IE/NCR/PKG-III/22	22.06.2021	DLC material has been laid over bumpy and spongy surface of GSB from ch- 307+570 to 307+670 LHS on half width o carriageway.	Done properly	Yes		24.08.2021	**NCR Closed**
23	IE/NCR/PKG-III/23	**07.07.2021**	Median plantation is being carried out without making pits of proper dimension and using required manures and compost at ch-310+900-312+160 & ch-307+950-308+850	Done properly	Yes		09.07.2021	NCR Closed
24	IE/NCR/PKG-III/24	07.07.2021	Median plantation is being carried out without making pits of proper dimension and using required manures and compost at ch-310+900-312+160 & ch-307+950-308+850	Done properly	Yes		21.10.2021	NCR Closed
25	IE/NCR/PKG-III/25	07.08.2021	Earth work carried out on the approaches of major Bridge at Ch 302+743, in a very unsystematic manner without maintaing the layer thickness and proper compaction from ch- 302+780 to 302+840 RHS	Removal of laid materials and redoing with suitable materials.	Yes		22.12.2021	NCR Closed
26	IE/NCR/PKG-III/26	13.08.2021	Embankment construction carried out on the approaches of MJB at ch' 302+743 is not in accodance wlth proper slope as shown in TCS from ch-302+570 to 302+640 LHS and ch- 302+530 to 302+630 RHS	Rectified slope as per TCS	Done		08.10.2021	NCR Closed
27	IE/NCR/PKG-III/27	16.08.2021	Constuction of Shoulder Drain with Precast units from Ch: 307+830 to 307+900 (RHS) damaged precast unit are being placed and undulation in levelling course surface.	Damaged precast unit to be removed and replaced.	Yes		24.08.2021	NCR Closed

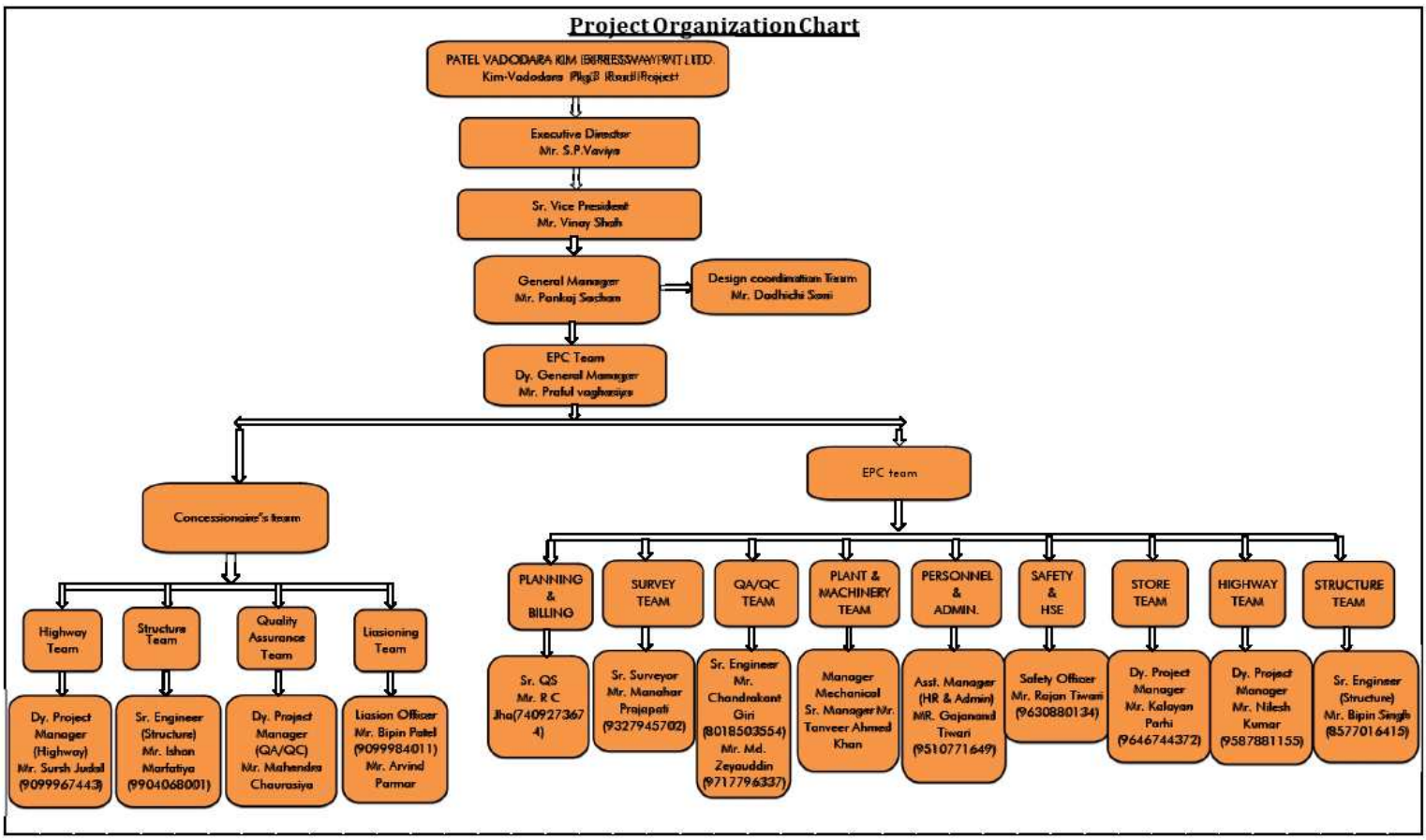
Sr. No.	NCPN NO	ISSUED DATE	DESCRIPTION OF NON-CONFORMANCE	DESCRIPTION OF REMEDIAL ACTION	REMEDIAL ACTION		CLOSED OUT DATE	REMARK
					YES	NO		
28	IE/NCR/PKG-III/28	24.08.2021	Construction of chute drains being carried out with Improper finishing over uncompaclcd soil on embankment slope without bringing it in required slope and rectification of rain cuts from ch-319+700-320+150 on RHS	Done properly	Yes		22.12.2021	NCR Closed
29	IE/NCR/PKG-III/29	25.08.2021	Huge rain cuts are still to be rectified on entire hight of embankrnent slope up to GSB layor from ch-310+200 to 310+460 on RHS and ch-318+200 to 318+750 on RHS	Done properly	Yes		22.12.2021	NCR Closed
30	IE/NCR/PKG-III/30	01.09.2021	PQC laid without surface texturing at ch-300+398 to 300+450 in LHS on date-31.08.2021 which is non conformance to specification and the metod statement.	Done	Yes		08.10.2021	NCR Closed
31	IE/NCR/PKG-III/31	09.09.2021	The metal beam crash barrier installed total 15.5km lentgth in median and 12 km length in shoulder without approval design, drawing, quality testing and source approval.	Done	Yes		07.07.2022	NCR Closed
32	IE/NCR/PKG-III/32	07.09.2021	Unapproved soil is being dumped in median from ch-300+100 to 300+500 and without any quality checks for its suitability.	Done properly	Yes		07.09.2021	NCR Closed
33	IE/NCR/PKG-III/33	21.09.2021	Traffic sign boards are fixed in median as well as on shuolder at ch-302+000 without any proper approval of materials and agency.	Done properly	Yes		22.09.2021	NCR Closed
34	IE/NCR/PKG-III/34	21.09.2021	Unapproved soil executed as backfill material behind the abutment of A1 of VOP at ch-312+695	Done properly	Yes		25.05.2021	NCR Closed
35	IE/NCR/PKG-III/35	21.09.2021	Damage precast units are being placed despite IE's instruction at site removal and replace such units levels on PCC is undulated which is resulting into gap between bottom of drain and top of levelling course	Done properly	Yes		27.05.2022	NCR Closed
36	IE/NCR/PKG-III/36	18.11.2021	Neumerous cracks are visible all across the top surface of the approach slab at MNB ch-302+713 RHS, A1-end	Done properly	Yes		27.12.2021	NCR Closed

Sr. No.	NCPN NO	ISSUED DATE	DESCRIPTION OF NON-CONFORMANCE	DESCRIPTION OF REMEDIAL ACTION	REMEDIAL ACTION		CLOSED OUT DATE	REMARK
					YES	NO		
37	IE/NCR/PKG-III/37	23.11.2021	Low height planted of sapling carried out in median from ch-310+100 to 310+520	Done properly	Yes		25.11.2021	NCR Closed
38	IE/NCR/PKG-III/38	23.11.2021	Earthen shoulder carried out with non granular material from ch-317+800 to 318+350 and ch-318+550 to 318+750 on LHS	Done properly	Yes		25.11.2021	NCR Closed
39	IE/NCR/PKG-III/39	23.11.2021	Laying of filter media and backfilling behind the abutments was in progress on both approaches over laid unapproved soil of 2mtr height	Done properly	Yes		25.11.2021	NCR Closed
40	IE/NCR/PKG-III/40	17.01.2022	Embankment slope, chute drain and line drain carried out from ch-321+400 to 321+500 on LHS , ch-320+350 to 320+680 on RHS, ch-309+860 to 310+150 on LHS and ch-293+750 to 293+840 on LHS are not complying with the provisions of CA.	Done properly	Yes		18.01.2022	NCR Closed
41	IE/NCR/PKG-III/41	17.01.2022	Back Filling carried out 1.5 mtr thick in a single with unsuitable material behind the RE Wall from ch-322+490 to 322+550 on RHS and ch-322+560 to 322+740 on RHS whre Ramp-4 is to be constructed.	Done properly	Yes		18.01.2022	NCR Closed
42	IE/NCR/PKG-III/42	24.01.2022	Shoulder drain walls are up in levels with respect to the carriageway edge PQC at various points between ch-315+200 to 315+400 on RHS	Done properly	Yes		24.01.2022	NCR Closed
43	IE/NCR/PKG-III/43	24.01.2022	Toe/side drain being constructed without maintaining line with respect to embankment slope and levels with respect to NGL at ch-308+000 to 308+350 on RHS	Done properly	Yes		24.01.2022	NCR Closed

Annexure-01 RFI Summary

Parking Area RFIs							
Sr. NO	RFI NO.	Inspection date	Item Description	Chainage		Side	Remarks
				From	To		
1	VKE-3/PIL/STR/20623	8-Aug-22	Checking of bore depth and pouring of M30 concrete for pile for noise barrier (small parking)	292+215			Small parking
2	VKE-3/PIL/STR/20624	8-Aug-22	Checking of bore depth and pouring of M30 concrete for pile for noise barrier (small parking)	297+050			Small parking
Structure RFIs							
3	VKE-3/PIL/STR/20625	10-Aug-22	Checking of Fabrication of structural steel for Noise barrier	PIL CAMP			
4	VKE-3/PIL/STR/20626	12-Aug-22	Checking of Fabrication of structural steel for Noise barrier	PIL CAMP			
5	VKE-3/PIL/STR/20627	16-Aug-22	Checking of reinforcement and formwork span RP8-RP9 Deck slab & pouring of M35 grade	293+014			
6	VKE-3/PIL/STR/20628	16-Aug-22	Checking of Fabrication of structural steel for Noise barrier	PIL CAMP			

Annexure-07 Organization Chart



Annexure -03 S-Curve

Concessionair :- PATEL VADODARA-KIM EXPRESSWAY PVT LTD

Construction of Eight lane Vadodara Kim Expressway from Km 323.00 to Km 292.00 (Sanpa to Manubar Section of Vadodara Mumbai Expressway) in the State of Gujarat un

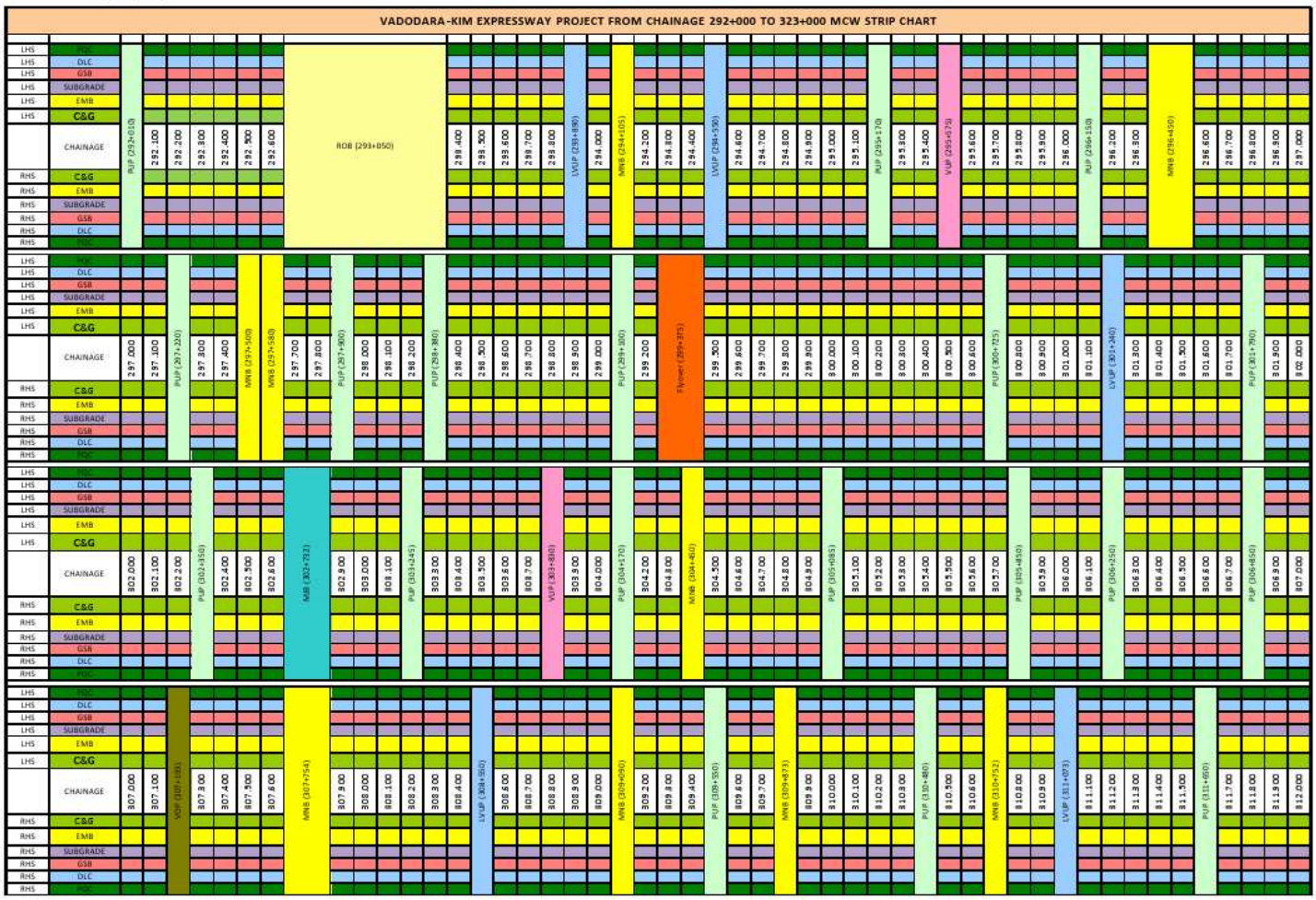
Dati 31.08.2022

S- Curve (Physical Progress for Project Milestone)

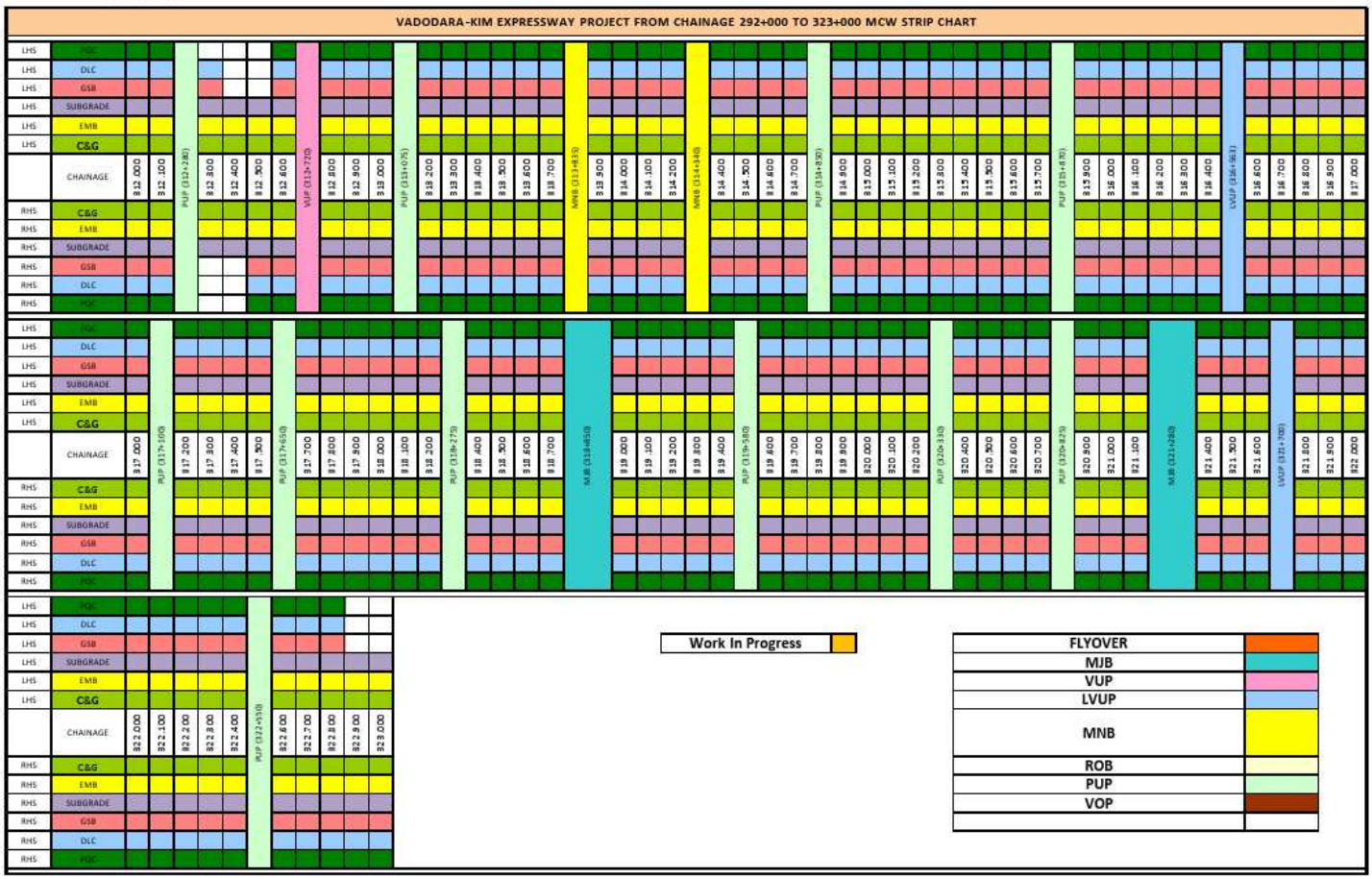
Months	Monthly Planned Percentage(%)	Cumm. Planned Percentage(%)	Monthly Actual Percentage(%)	Cumm. Achieved Percentage(%)
Mar-19	0.13%	0.13%	2.81%	2.81%
Apr-19	0.48%	0.61%	4.79%	7.60%
May-19	1.97%	2.59%	1.78%	9.37%
Jun-19	2.29%	4.88%	3.76%	13.13%
Jul-19	0.46%	5.34%	4.08%	17.21%
Aug-19	4.83%	10.17%	0.73%	17.93%
Sep-19	5.36%	15.53%	0.54%	18.47%
Oct-19	6.73%	22.26%	1.91%	20.38%
Nov-19	6.23%	28.49%	2.38%	22.76%
Dec-19	1.55%	30.04%	4.28%	27.04%
Jan-20	1.84%	31.89%	4.56%	31.60%
Feb-20	3.92%	35.81%	3.57%	35.17%
Mar-20	4.12%	39.94%	2.42%	37.59%
Apr-20	1.24%	41.19%	0.72%	38.31%
May-20	1.43%	42.63%	1.70%	40.01%
Jun-20	0.01%	42.64%	1.21%	41.22%
Jul-20	0.12%	42.75%	0.41%	41.63%
Aug-20	0.33%	43.08%	0.20%	41.83%
Sep-20	1.32%	44.40%	1.88%	43.71%
Oct-20	3.91%	48.31%	1.83%	45.54%
Nov-20	4.74%	53.06%	3.08%	48.62%
Dec-20	5.99%	59.05%	6.05%	54.67%
Jan-21	6.50%	65.55%	4.61%	59.28%
Feb-21	6.87%	72.42%	8.17%	67.45%
Mar-21	7.58%	75.03%	7.58%	75.03%
Apr-21	3.13%	78.16%	3.13%	78.16%
May-21	1.63%	79.79%	1.63%	79.79%
Jun-21	1.01%	80.80%	1.01%	80.80%
Jul-21	1.48%	82.28%	1.48%	82.28%
Aug-21	0.79%	83.07%	0.79%	83.07%
Sep-21	0.61%	83.68%	0.61%	83.68%
Oct-21	0.86%	84.54%	0.86%	84.54%
Nov-21	1.11%	85.65%	1.11%	85.65%
Dec-21	3.20%	88.84%	2.02%	87.67%
Jan-22	4.76%	93.60%	1.45%	89.12%
Feb-22	5.23%	98.83%	1.28%	90.40%
Mar-22	1.17%	100.00%	1.73%	92.13%
Apr-22	0.00%	100.00%	1.67%	93.80%
May-22	0.00%	100.00%	1.57%	95.37%
Jun-22	0.00%	100.00%	0.32%	95.69%
Jul-22	0.00%	100.00%	0.14%	95.83%
Aug-22	0.00%	100.00%	0.02%	95.85%

MS-I
MS-II
MS-III

Annexure-04 Highway Strip Chart



Annexure-04 Highway Strip Chart



Annexure-05 Structure Strip Chart

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY

PKG III (From Km 292.00 To Km 323.00)

ROB

With Min. 5.5m Vertical Clearance from Cross Road & 8.325m from Railway Track

LHS															Ch: 293+014 (17 spans) 6x30 +1x24.6 +2x8.7 to 30 +1x38 +1x44 +1x33.75	RHS														
Super structure									Sub Structure (Abtmt/Pier Cap)			Foundation (Pile Cap)				Foundation (Pile Cap)		Sub Structure (Abtmt/Pier Cap)				Super structure							
Completed									Completed										Completed					Completed					
Crash Barrier	Exp Joint	Drainage Spouts	Wearing Coat	Slab	Cross Girder	Girder Erection	Scope		Pedestals	Cap	Scope	Completed	Scope		Scope	Completed		Scope	Cap	Pedestals		Scope		Girder Erection	Cross Girder	Slab	Wearing Coat	Drainage Spouts	Exp Joint	Crash Barrier
				1		7	A1-P1	1		1	1	1	1	A1	1	1	1	1			1	A1-P1	7		1				
				1		7	P1-P2	1		1	1	1	1	P1	1	1	1	1			1	P1-P2	7		1				
				1		7	P2-P3	1		1	1	1	1	P2	1	1	1	1			1	P2-P3	7		1				
				1		7	P3-P4	1		1	1	1	1	P3	1	1	1	1			1	P3-P4	7		1				
				1		7	P4-P5	1		1	1	1	1	P4	1	1	1	1			1	P4-P5	7		1				
				1		7	P5-P6	1		1	1	1	1	P5	1	1	1	1			1	P5-P6	7		1				
				1		7	P6-P6a	1		1	1	1	1	P6	1	1	1	1											
				1		11	P6a-P7	1		1	1	1	1	P6a	↕	1		1			1	*P6-P7*	11		1				
				1		7	P7-P8	1		1	1	1	1	*P7*	1	1	1	1											
				1		9	P8-P9	1		1	1	1	1	*P8*	1	1	1	1			1	P7-P8	7		1				
										1	1	1	1	*P9*	1	1	1	1			1	P8-P9	9		1				
				1		11	*P9-P10*	1		1		1	↕	P9a	1	1	1	1			1	P9-P9a	11		1				
										1	1	1	1	P10	1	1	1	1			1	P9a-P10	7		1				
				1		7	P10-P11	1		1	1	1	1	P11	1	1	1	1			1	P10-P11	7		1				
				1		7	P11-P12	1		1	1	1	1	P12	1	1	1	1			1	P11-P12	7		1				
				1		7	P12-P13	1		1	1	1	1	P13	1	1	1	1			1	P12-P13	7		1				
				1		7	P13-P14	1		1	1	1	1	P14	1	1	1	1			1	P13-P14	7		1				
				1		7	P14-P15	1		1	1	1	1	P15	1	1	1	1			1	P14-P15	7		1				
				1		7	P15-A2	1		1	1	1	1	A2	1	1	1	1			1	P15-A2	7		1				
				17	0	129		17		19	18	19	18		18	19	18	19	0	17		129	0	17				

Annexure-05 Structure Strip Chart

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY PKG III (From Km 292.00 To Km 323.00)																												
Major Bridges (Total 3 nos.)																												
LHS																	RHS											
Super Structure									Sub Structure			Foundation (Pile Cap/ Open)		Chainage	Foundation (Pile Cap/ Open)		Sub Structure			Super Structure								
Completed							Scope		Completed		Scope	Completed	Scope		Scope	Completed	Scope	Completed		Scope			Completed					
Crash	Exp	Draina	Wearing	Slab	Cross	Girder			Pedestals	Cap								Cap	Pedestals				Girder	Cross	Slab	Wearing	Drainage	Exp Joint	Crash
302+713 Bhukhi Khadi 2x37.847+ 1x38.045																												
										1	1	1	1	A1	1	1	1	1										
1	1		1	1		7	A1-P1	1		1	1	1	1	P1	1	1	1	1		1	A1-P1	7		1	1		1	1
			1	1		7	P1-P2	1		1	1	1	1	P2	1	1	1	1		1	P1-P2	7		1	1			
1	1		1	1		7	P2-A2	1		1	1	1	1	A2	1	1	1	1		1	P2-A2	7		1	1		1	1
2	2		3	3	0	21		3		4	4	4	4		4	4	4	4		3				3	3		2	2
318+870 SSNNL Canal 2x32.20+ 1x15.85																												
										1	1	1	1	A1	1	1	1	1										
1	1		1	1		7	A1-P1	1		1	1	1	1	P1	1	1	1	1		1	A1-P1	7		1	1		1	1
			1	1		7	P1-P2	1		1	1	1	1	P2	1	1	1	1		1	P1-P2	7		1	1			
1	1		1	1		7	P2-A2	1		1	1	1	1	A2	1	1	1	1		1	P2-A2	7		1	1		1	1
2		0	3	3		21		3		4	4	4	4		4	4	4	4		3				3	3			2
321+253 Rupa Khadi 2x37.658																												
										1	1	1	1	A1	1	1	1	1										
1	1		1	1		7	A1-P	1		1	1	1	1	P	1	1	1	1		A1-P	1	7		1	1		1	1
1	1		1	1		7	P-A2	1		1	1	1	1	A2	1	1	1	1		P-A2	1	7		1	1		1	1
10	8		14	14		98		14		19	19	19	19		3	3	3	3			2							

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY — **PKG III (From Km 292.00 To Km 323.00)**

Minor Bridges (Total 11 nos.)

LHS															RHS													
Super Structure								Sub Structure			Foundation (Pile cap/ Open/Raft)		Sl. No.	Chainage	Foundation (Pile cap/ Open/Raft)		Sub Structure			Super Structure								
Completed							Scope	Completed		Scope	Completed	Scope			Scope	Completed	Scope	Completed		Scope	Completed							
Crash	Exp Joint	Drainage	Wearing	Slab	Cross	Main		Pedestal	Cap									Cap	Pedestal		Main	Cross	Slab	Wearing	Drainage	Exp	Crash
1			1	1	NA	NA	1	NA	2	2	1	1	1	294+085 Box 1x12	1	1	2	2	NA	1	NA	NA	1	1			1
							1			2		2	2	296+432 (GAIL) 1x27.846	2		2			1							
1	1		1	1		7	1		2	2	2	2	3	297+472 1x17.688	2	2	2	2		1	7		1	1		1	1
1	1		1	1		7	1		2	2	2	2	4	297+562 1x37.394	2	2	2	2		1	7		1	1		1	1
							1			2		2	5	304+454 (GAIL) 1x22.687	2		2			1							
1	1		1	1		7	1		2	2	2	2	6	307+731 (SSNNL) 1x22.687	2	2	2	2		1	7		1	1		1	1
				1		7	1		2	2	2	2	7	309+074 (GAIL) 1x45.200	2	2	2	2		1	7		1	1		1	1
1	1		1	1		7	1		2	2	2	2	8	309+840 (SSNNL) 1x23.740	2	2	2	2		1	7		1	1		1	1
1	NA		1	1	NA	NA	1	NA	2	2	2	2	9	310+720 (GSPL) Portal 1x21.35	2	2	2	2	NA	1	NA	NA	1	1		NA	1
1				1		7	1		2	2	2	2	10	313+809 (SSNNL) 1x24.410	2	2	2	2		1	7		1	1		1	1
1			1	1	NA	NA	1	NA	2	2	2	2	11	314+314 Box 3x4.800	2	2	2	2	NA	1	NA	NA	1	1			1
	4		7	9			11		18	22	17	21		Total	21	17	22	18		11			9	9		6	

Annexure-05 Structure Strip Chart

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY

PKG III (From Km 292.00 To Km 323.00)

Flyover (1 no.) Min. Vertical Clearance:5.5m

LHS													Chainage	RHS												
Super structure								Sub structure			Foundation (Pile Cap)			Foundation (Pile Cap)		Sub structure			Super structure						
Completed						Scope		Completed		Scope	Completed	Scope		Scope	Completed	Scope	Completed		Scope		Completed					
Crash	Exp	Wearing	Slab	Cross	Main			Pedestal	Cap				299+354 (12.877+3				Cap	Pedestal			Main	Cross	Slab	Wearing	Exp	Crash
1									1	1	1	1	A1	1	1	1	1									
1		1	1		7	A1-P1	1		1	1	1	1	P1	1	1	1	1		1	A1-P1	7		1	1		1
1		1	1		7	P1-P2	1		1	1	1	1	P2	1	1	1	1		1	P1-P2	7		1	1		1
1		1	1		7	P2-A2	1		1	1	1	1	A2	1	1	1	1		1	P2-A2	7		1	1		1
3	0	3	3		21				**4**	4	**4**	4		4	**4**	4	**1**				**21**		**3**	**3**		**3**

Annexure-05 Structure Strip Chart

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY
PKG III (From Km 292.00 To Km 323.00)
CUP/PUP (Total 30 nos.) with Span size of 12mX4m

LHS							Sl. No.	Chainage	RHS						
Ret./ RE Wall	Super Structure		Sub Structure		Foundation				Foundation		Sub Structure		Super Structure		Ret./ RE Wall
	Crash Barrier	Slab	A1	A2	Raft	PCC			PCC	Raft	A1	A2	Slab	Crash Barrier	
1	1	1	1	1	1	1	1	292+400	1	1	1	1	1	1	1
1	1	1	1	1	1	1	2	295+151	1	1	1	1	1	1	1
1	1	1	1	1	1	1	3	295+990	1	1	1	1	1	1	1
1	1	1	1	1	1	1	4	297+220	1	1	1	1	1	1	1
1	1	1	1	1	1	1	5	297+900	1	1	1	1	1	1	1
1	1	1	1	1	1	1	6	298+380	1	1	1	1	1	1	1
1	1	1	1	1	1	1	7	299+079	1	1	1	1	1	1	1
1	1	1	1	1	1	1	8	300+725	1	1	1	1	1	1	1
1	1	1	1	1	1	1	9	301+790	1	1	1	1	1	1	1
1	1	1	1	1	1	1	10	302+055	1	1	1	1	1	1	1
1	1	1	1	1	1	1	11	303+220	1	1	1	1	1	1	1
1	1	1	1	1	1	1	12	304+170	1	1	1	1	1	1	1
1	1	1	1	1	1	1	13	305+058	1	1	1	1	1	1	1
1	1	1	1	1	1	1	14	305+850	1	1	1	1	1	1	1
1	1	1	1	1	1	1	15	306+060	1	1	1	1	1	1	1
1	1	1	1	1	1	1	16	306+820	1	1	1	1	1	1	1
1	1	1	1	1	1	1	17	309+550	1	1	1	1	1	1	1
1	1	1	1	1	1	1	18	310+480	1	1	1	1	1	1	1
1	1	1	1	1	1	1	19	311+650	1	1	1	1	1	1	1
		1	1	1	1	1	20	312+243	1	1	1	1	1		
1	1	1	1	1	1	1	21	313+075	1	1	1	1	1	1	1
1	1	1	1	1	1	1	22	314+850	1	1	1	1	1	1	1
1	1	1	1	1	1	1	23	315+870	1	1	1	1	1	1	1
1	1	1	1	1	1	1	24	316+960	1	1	1	1	1	1	1
1	1	1	1	1	1	1	25	317+460	1	1	1	1	1	1	1
1	1	1	1	1	1	1	26	318+400	1	1	1	1	1	1	1
1	1	1	1	1	1	1	27	319+580	1	1	1	1	1	1	1
1	1	1	1	1	1	1	28	320+330	1	1	1	1	1	1	1
1	1	1	1	1	1	1	29	320+825	1	1	1	1	1	1	1
1		1	1	1	1	1	30	322+550	1	1	1	1	1		1
	28	30	30	30	30	30			30	30	30	30	30	28	

Annexure-05 Structure Strip Chart

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY PKG III (From Km 292.00 To Km 323.00)													
VOP (1 no.) with 6.0m Vertical Clearance from Cross Road													
Chainage (Span Size)	Foundation				Sub structure			Super structure (PSC Girders & RCC Slab)					
	Piles		Pile Caps										
307+170 (2x41.35)	Scope	Completed	Scope	Completed	Scope			Scope	Completed				
						Cap	Pedestal		Girders	Slab	Wearing	Exp	Crash
A1	12	12	1	1	1	1		A1-P1		1			
P1	16	16	1	1	1	1							
A2	12	12	1	1	1	1		P1-A2		1			
	40	40	3	3	3	3				2			

Annexure-05 Structure Strip Chart

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY

PKG III (From Km 292.00 To Km 323.00)

VUP (Total 3 nos.) with Min. Vertical Clearance:5.5m & LVUP (Total 7 nos.) with Min. Vertical Clearance:4.0m

LHS								Sl. No.	VUP/ LVUP	Chainage	RHS							
Ret./ RE Wall	Super Structure			Sub Structure		Foundation					Foundation		Sub Structure		Super Structure			Ret./ RE Wall
	Crash Barrier	Wearing Coat	Slab	A1	A2	Raft	PCC				PCC	Raft	A1	A2	Slab	Wearing Coat	Crash Barrier	
1	1	1	1	1	1	1	1	1	VUP	295+554	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	2	VUP	303+808	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	3	VUP	312+695	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	LVUP	293+875	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	2	LVUP	294+520	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	3	LVUP	301+214	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	4	LVUP	308+550	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	5	LVUP	311+047	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	6	LVUP	316+536	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	7	LVUP	321+673	1	1	1	1	1	1	1	1
10	10	10	10	10	10	10	10				10	10	10	10	10	10	10	10

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY

PKG III (From Km 292.00 To Km 323.00)

BOX CULVERTS (Total 27 nos.)

LHS								Sl. No.	Chainage			RHS							
Ret. Wall		Super structure		Substructure		Foundation						Foundation		Substructure		Super structure		Ret. Wall	
A1	A2	Parapet	Slab	A1	A2	Raft	PCC					PCC	Raft	A1	A2	Slab	Parapet	A1	A2
1	1	1	1	1	1	1	1	1	292+450		1x2x2	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	2	294+729	SSNNL	2x4x4	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	3	294+985	SSNNL	1x2x2	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	4	295+585		1x3x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	5	296+346		1x3x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	6	299+858	SSNNL	1x3x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	7	300+148		1x3x4	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	8	301+224	SSNNL	1x5x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	9	303+403		1x3x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	10	305+437		1x2x2	1	1	1	1	1	1	1	1
			1	1	1	1	1	11	307+193 (0+716)		1x2x2	1	1	1	1	1			
			1	1	1	1	1	12	307+193 (0+482)			1	1	1	1	1			
1	1	1	1	1	1	1	1	13	307+687	SSNNL	1x2.55x2	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	14	307+778	SSNNL	1x3.45x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	15	308+990	SSNNL	1x3.65x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	16	309+819	SSNNL	1x2x2	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	17	309+858	SSNNL	1x3x3	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	18	314+148		1x3x4	1	1	1	1	1	1	1	1
		NA							315+214 (COS)		1x5x5						NA		
1	1	1	1	1	1	1	1	19	315+225	SSNNL	1x2.45x2	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	20	316+420		1x2x2	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	21	316+558	SSNNL	1x2.45x2	1	1	1	1	1	1	1	1
									317+485 (COS)		1x3x3								
1	1	1	1	1	1	1	1	22	318+586	SSNNL	1x3x3	1	1	1	1	1	1	1	1
1	1	NA	1	1	1	1	1	23	322+750		1x2x2	1	1	1	1	1	NA	1	1
1	1	1	1	1	1	1	1	24	Ramp 1(0+460) Precast		1x2x2	1	1	1	1	1	1	1	1
			1	1	1	1	1	25	Ramp 1(0+740) Precast		1x2x2	1	1	1	1	1			
1	1	1	1	1	1	1	1	26	Ramp 4(0+770) Precast		1x2x2	1	1	1	1	1	1	1	1
								27	Ramp 4(1+090) Precast		1x2x2								
23	23		26	26	26	26	26					26	26	26	26	26		23	23

CONSTRUCTION OF EIGHT LANE VADODARA KIM EXPRESSWAY PKG III (From Km 292.00 To Km 323.00)											
HP CULVERTS (Total 35 nos.)											
LHS					Sl. No.	Chainage	RHS				
Chamber	Cradle	Pipe Laying	PCC Bedding	Excavation			Excavation	PCC Bedding	Pipe Laying	Cradle	Chamber
1	1	1	1	1	1	293+620	1	1	1	1	1
1	1	1	1	1	2	294+420	1	1	1	1	1
						295+180 (COS)					
1	1	1	1	1	3	295+870	1	1	1	1	1
1	1	1	1	1	4	296+720	1	1	1	1	1
1	1	1	1	1	5	298+120	1	1	1	1	1
1	1	1	1	1	6	298+819	1	1	1	1	1
1	1	1	1	1	7	300+445	1	1	1	1	1
1	1	1	1	1	8	300+970	1	1	1	1	1
1	1	1	1	1	9	301+520	1	1	1	1	1
1	1	1	1	1	10	302+270	1	1	1	1	1
1	1	1	1	1	11	302+578	1	1	1	1	1
1	1	1	1	1	12	303+608	1	1	1	1	1
1	1	1	1	1	13	304+069	1	1	1	1	1
1	1	1	1	1	14	304+649	1	1	1	1	1
1	1	1	1	1	15	307+419	1	1	1	1	1
1	1	1	1	1	16	307+969	1	1	1	1	1
1	1	1	1	1	17	308+320	1	1	1	1	1
1	1	1	1	1	18	308+794	1	1	1	1	1
1	1	1	1	1	19	309+368	1	1	1	1	1
1	1	1	1	1	20	310+119	1	1	1	1	1
						311+071 (COS)					
1	1	1	1	1	21	311+329	1	1	1	1	1
1	1	1	1	1	22	311+969	1	1	1	1	1
1	1	1	1	1	23	312+679	1	1	1	1	1
1	1	1	1	1	24	312+700	1	1	1	1	1
1	1	1	1	1	25	313+369	1	1	1	1	1
1	1	1	1	1	26	314+669	1	1	1	1	1
1	1	1	1	1	27	315+719	1	1	1	1	1
1	1	1	1	1	28	316+069	1	1	1	1	1
1	1	1	1	1	29	316+500	1	1	1	1	1
1	1	1	1	1	30	316+819	1	1	1	1	1
1	1	1	1	1	31	317+430	1	1	1	1	1
1	1	1	1	1	32	319+268	1	1	1	1	1
1	1	1	1	1	33	319+969	1	1	1	1	1
1	1	1	1	1	34	320+719	1	1	1	1	1
						321+687 (COS)					
1	1	1	1	1	35	322+294	1	1	1	1	1
35	35	35	35	35			35	35	35	35	35

LAB. EQUIPMENTS CALIBRATION PLAN FOR THE MONTH OF AUGUST-2022

SL No	ITEM NAME	CAPACITY / SIZE	MAKE	ID NO	Date of Calibration	Due Date of Calibration	REMARK
1	Compression Testing Machine (CTM)	2000 KN	Haridarshan Instruments Lts	SL. No-201818	18.06.2022	17.06.2023	
2	Flexural Testing Machine (FTM)	100 KN	EIE Instruments	2101339	22.01.2022	21.01.2023	
3	Proving Ring	30 KN	EIE Instruments	SL. No-790	17.03.2022	16.03.2023	
4	Dial Gauge	0-30mm	Kann	SL. No-16077	03.03.2022	02.03.2023	
5	Electronic Balance	50 Kg	Swisser	SL. No-2191211	15.12.2021	14.12.2022	
6	Electronic Balance	30 Kg	Swisser	SL. No-2220110	22.02.2022	21.02.2023	
7	Digital Thermo-Hydrometer	10 to 50 oc	EIE Instruments	DTH-01	23.12.2021	22.12.2022	
8	Digital Anemometer	0.4 to 30 m/s	EIE Instruments		23.06.2022	22.06.2023	
9	Vicat Needdle Apparatus		EIE Instruments		20.07.2022	19.07.2023	
10	Digital Vernier Caliper	0 to 200 mm	EIE Instruments	Sr No-1105183056	29.07.2022	28.07.2023	
11	Rain Gauge	0 to 200 mm	EIE Instruments	Sr No-M200644	23.06.2022	22.06.2023	
12	Measure Tape	0 to 5 mt	Komal Services	MT/5 Mtr./01	23.12.2021	22.12.2022	
13	Measuring Tape	0 to 5 mt	Freemans	MT-01	23.12.2021	22.12.2022	
14	Density Hydrometer	1.000 to 1.200	EIE Instruments	M2104110	22.04.2022	21.04.2023	
	IN-HOUSE CALIBRATION						
1	Concrete Batching Plant (Patel)	240 M3/Hour	Schwing Stetter	H611	23.08.2022	22.09.2022	
2	Concrete Batching Plant (Patel)	112 M3/Hour	Schwing Stetter	M-2.5 C	23.08.2022	22.09.2022	
3	Concrete Batching Plant (Keya)	60 M3/Hour	Schwing Stetter	M-1.0 C	28.06.2022	27.09.2022	
4	DLC Plant (Patel)	300 MT/Hour	Maxmech	MCMT300	23.08.2022	22.09.2022	
5	Moisture Container (Big Size)	100x75 cm	EIE Instruments		11.12.2021	12.12.2022	
6	Moisture Container (Mideum Size)	75x50 cm	EIE Instruments		11.12.2021	12.12.2022	
7	Moisture Container (Small Size)	50x50 cm	EIE Instruments		11.12.2021	12.12.2022	
8	Sand Pouring Cylinder No-02	200 mm	EIE Instruments		09.08.2022	08.11.2022	
9	Sand Pouring Cylinder No-02	150 mm	EIE Instruments		20.07.2022	19.10.2022	
10	Rapid Moisture Meter(RMM) No-01	0-25 %	EIE Instruments		14.07.2022	13.10.2022	
11	Proctor Mould	1000 cc	EIE Instruments		02.04.2022	01.10.2022	
12	Proctor Rammer	4.89 Kg.	EIE Instruments		10.06.2022	09.06.2023	
13	CBR Mould	150 mm dia	EIE Instruments		12.12.2021	11.12.2022	
14	Concrete cube Mould	15x15x15 cm	EIE Instruments		26.01.2022	25.01.2023	
15	Cement Mortar Mould	7.06x7.06x7.06 cm	EIE Instruments		17.12.2021	16.12.2022	
16	Masonary Mortar Mould	5.0x5.0x5.0 cm	EIE Instruments		09.12.2021	08.12.2022	
17	Beam Mould	70x15x15 cm	EIE Instruments		10.07.2022	09.07.2023	
18	Slump Cone	30x20x10 cm	EIE Instruments		21.12.2021	20.12.2022	
19	Aggregate Impact Value		EIE Instruments		29.01.2022	28.01.2023	

LAB. EQUIPMENTS CALIBRATION PLAN FOR THE MONTH OF AUGUST-2022

SL No	ITEM NAME	CAPACITY / SIZE	MAKE	ID NO	Date of Calibration	Due Date of Calibration	REMARK
20	Thickness Gauge		EIE Instruments		29.01.2022	28.01.2023	
21	Length Gauge		EIE Instruments		29.01.2022	28.01.2023	
22	Straight Edge	3 mtr.	EIE Instruments		09.01.2022	08.01.2023	
23	Air Dry Oven -2	95 cm x 63 cm	Haridarshan		29.01.2022	28.01.2023	
24	Hot Plate		EIE Instruments		29.01.2022	28.01.2023	
25	IS Sieve (Dia-450mm)	125 mm	EIE Instruments		09.01.2022	08.01.2023	
26	IS Sieve (Dia-450mm)	75 mm	EIE Instruments		09.01.2022	08.01.2023	
27	IS Sieve (Dia-450mm)	63 mm	EIE Instruments		09.01.2022	08.01.2023	
28	IS Sieve (Dia-450mm)	53 mm	EIE Instruments		09.01.2022	08.01.2023	
29	IS Sieve (Dia-450mm)	50 mm	EIE Instruments		09.01.2022	08.01.2023	
30	IS Sieve (Dia-450mm)	45 mm	EIE Instruments		09.01.2022	08.01.2023	
31	IS Sieve (Dia-450mm)	40 mm	EIE Instruments		09.01.2022	08.01.2023	
32	IS Sieve (Dia-450mm)	37.5 mm	EIE Instruments		09.01.2022	08.01.2023	
33	IS Sieve (Dia-450mm)	31.5 mm	EIE Instruments		09.01.2022	08.01.2023	
34	IS Sieve (Dia-450mm)	26.5 mm	EIE Instruments		09.01.2022	08.01.2023	
35	IS Sieve (Dia-450mm)	25 mm	EIE Instruments		09.01.2022	08.01.2023	
36	IS Sieve (Dia-450mm)	22.4 mm	EIE Instruments		09.01.2022	08.01.2023	
37	IS Sieve (Dia-450mm)	20 mm	EIE Instruments		09.01.2022	08.01.2023	
38	IS Sieve (Dia-450mm)	19 mm	EIE Instruments		09.01.2022	08.01.2023	
39	IS Sieve (Dia-450mm)	16 mm	EIE Instruments		09.01.2022	08.01.2023	
40	IS Sieve (Dia-450mm)	14 mm	EIE Instruments		09.01.2022	08.01.2023	
41	IS Sieve (Dia-450mm)	13.2 mm	EIE Instruments		09.01.2022	08.01.2023	
42	IS Sieve (Dia-450mm)	12.5 mm	EIE Instruments		09.01.2022	08.01.2023	
43	IS Sieve (Dia-450mm)	11.2 mm	EIE Instruments		09.01.2022	08.01.2023	
44	IS Sieve (Dia-450mm)	10 mm	EIE Instruments		09.01.2022	08.01.2023	
45	IS Sieve (Dia-450mm)	9.5 mm	EIE Instruments		09.01.2022	08.01.2023	
46	IS Sieve (Dia-450mm)	6.3 mm	EIE Instruments		09.01.2022	08.01.2023	
47	IS Sieve (Dia-450mm)	5.6 mm	EIE Instruments		09.01.2022	08.01.2023	
48	IS Sieve (Dia-450mm)	4.75 mm	EIE Instruments		09.01.2022	08.01.2023	
49	IS Sieve (Dia-450mm)	2.36 mm	EIE Instruments		09.01.2022	08.01.2023	
50	IS Sieve (Dia-200mm)	10 mm	EIE Instruments		09.01.2022	08.01.2023	
51	IS Sieve (Dia-200mm)	5.6 mm	EIE Instruments		09.01.2022	08.01.2023	
52	IS Sieve (Dia-200mm)	4.75 mm	EIE Instruments		09.01.2022	08.01.2023	
53	IS Sieve (Dia-200mm)	2.36 mm	EIE Instruments		09.01.2022	08.01.2023	

ROB @ Ch. 293+014 All Slabs completed, BC Work in Progress

Every Milestone is our Value

					
CH 293+014	Painting work in progress for speed breaker		CH 293+014	Soft barricading for diversion	

Every Milestone is our Value

					
VKE-3	Electric Inspection at Base camp		VKE-3	Electric Inspection at Base camp	

PD visit

RO visit

CH 293+014	Deck Slab Railway portion P8-P9	**RHS**

CH 293+014	Deck Slab Railway portion P8-P9	**RHS**

Patel Infrastructure Limited

Vadodara Kim Expressway Package-3

Site safety report for the month of August- 2022

Conducted tool box talk at site.

Fire safety training program

Vehicles inspection

Electrical inspection

Patel Infrastructure Limited

Vadodara Kim Expressway Pkg-3

Environment Report Month of August-2022

DDT powder sprayed

Housekeeping

Annexure 10	Monthly monitoring of ongoing works for CGM(Tech.)		
Sr. No.	Monthly Monitoring Points	Status	Remarks
1	Monitoring of approved construction Programme viz-a-viz the actual progress.	PVKEPL Submitted Revised Work program as per approved Schedule G vide Letter No PVKEPL/HO/VKP3/IE/093/2020 Dt.12.05.2020,Approved by IE vide Letter No 1755Dt. 16.05.2020. Further Revised program Submitted vide letter no PVKEPL-HO-VKP3-IE-330-2021 Dt.22.12.2021.	
2	Monitoring of the deployed resources (man, Machinery, material) viz-a-viz required for completion of work as per the original/extended period.	We have submitted machinery deployment schedule along with above work Programme, Letter No PVKEPL/HO/VKP3/IE/093/2020 Dt.12.05.2020,Approved by IE vide Letter No 1755Dt. 16.05.2020.Further Revised program Submitted vide letter no PVKEPL-HO-VKP3-IE-330-2021 Dt.22.12.2021 .	
3	Intimation of authority's losses like toll loss, accidents loss, contractual damages etc. in case the delays, from original Programme is due to default of the agency, along with quantification of losses.	No losses to Authority as on date.	
4	Review of the woks included in the schedules based on the ground conditions over the land handed over to the agency for the earliest issue of COS notice/approval.	7 nos COS Proposal Recommended by IE Amounting - 4.05 Cr.	
5	Requirement/ quantification of the work as per the design/drawings of the agency on the sections / stretches not handed over by the authority.	Total Land is Cleared as on Date & No LA Hindrance	
6	Review and recommendations of the claim of the agency (direct/indirect, losses/ damages as per contract and actual in reimbursable basis) intimated by the agency to the authority for its default till date.	No Claim as on date	
7	Status of any hindrance, obstructing any scope of work included under Schedules.	Total Land is Cleared as on Date & No LA Hindrance	