National Highways Authority of India

(Ministry of Road Transport & Highways)

PATEL CHOLOPURAM-THANJAVUR HIGHWAY PRIVATE LIMITED

Four laning of Cholopuram - Thanjavur from Km 116.440 to Km.164.275 section of NH-45C in the state of Tamilnadu under NHDP Phase-IV on Hybrid Annuity Mode.

MONTHLY PROGRESS REPORT

MARCH 2020

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Executive Summary

The old National Highway (NH -36) runs through the state of Tamil Nadu. The project road is part of the 168 km long Vikravandi to Thanjavur section of the existing National Highway 36 (NH-36). Recently MORTH has amended the number and Length of the National Highways. The old NH 12 in the state of Tamil Nadu has become the part of the New National Highway 45C. It links Chennai with Thanjavur and is 418 km long.

The Cholopuram to Thanjavur section of NH-45C is an important link to connect Metropolitan city of Chennai to religious and tourist places of Kumbakonam, Thanjavur, Tiruchirapalli. The project is also expected to provide improved connectivity to other religious places & other major cities like Thanjavur, Rameswaram, Madurai, Tiruchirappalli, etc.

Project Synopsis

The Government of India had entrusted to the National Highway Authority of India (NHAI) the development, maintenance and management of National Highway No. 45C including the section from km 116.440 to Km 164.275 (approx. 47.835 Km). The Authority had resolved to augment for four Laning of Cholopuram - Thanjavur from Km 116.440 to Km 164.275 section of NH - 45C in the State of Tamilnadu under NHDP Phase-IV on "Hybrid Annuity" basis.

The scope of work will broadly include rehabilitation, upgradation and widening of the existing carriageway to four - lane standards with construction of new pavement, rehabilitation of existing pavement, construction and/or rehabilitation of major and minor bridges, culverts, road intersections, interchanges, drains etc. Including those prescribed in the Concession Agreement and its Schedule and the operation and maintenance itself. The map of project road is given in Figures below. The details of habitations are given in table - 01.

Figure 1: Project Location Map

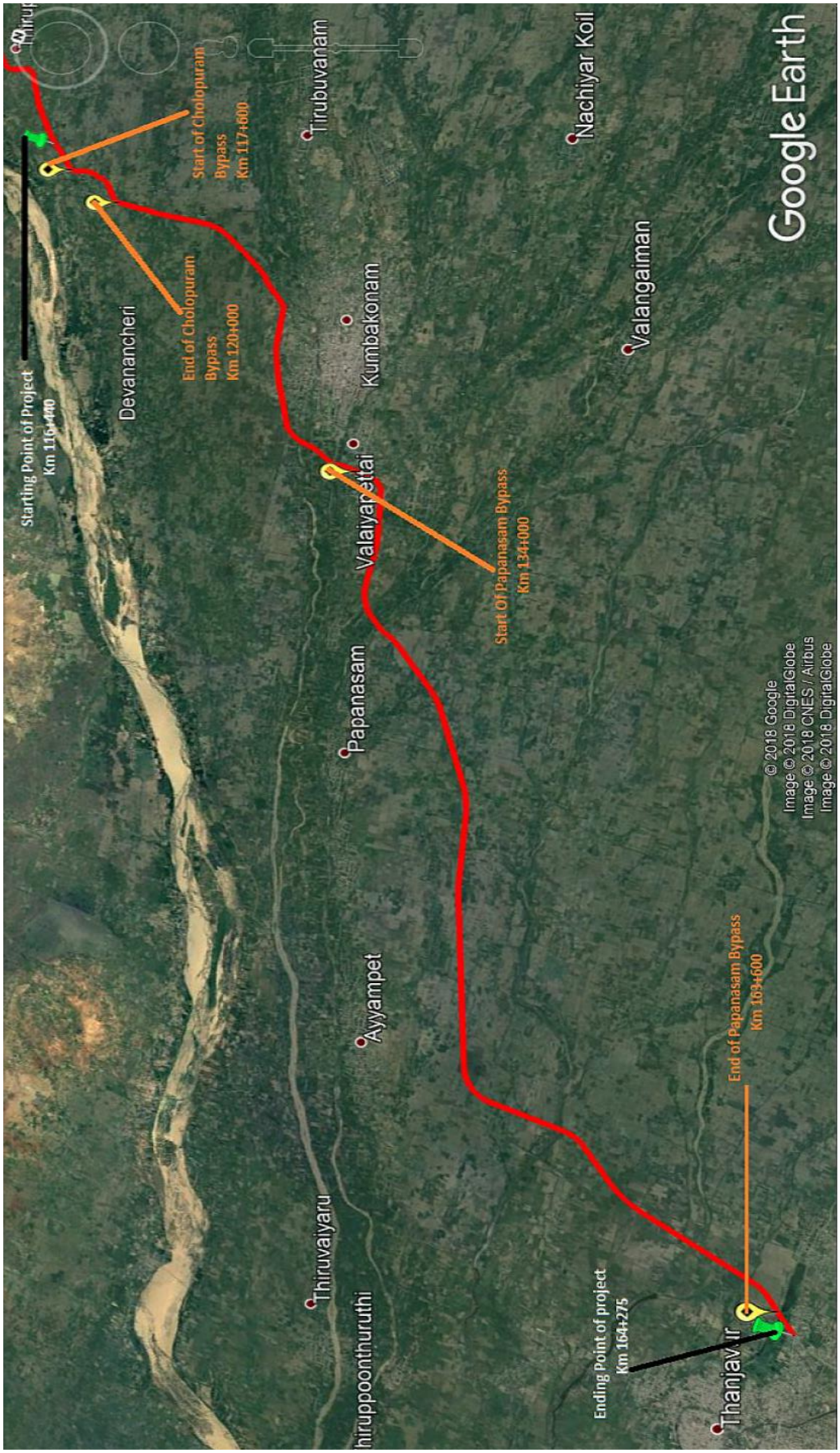
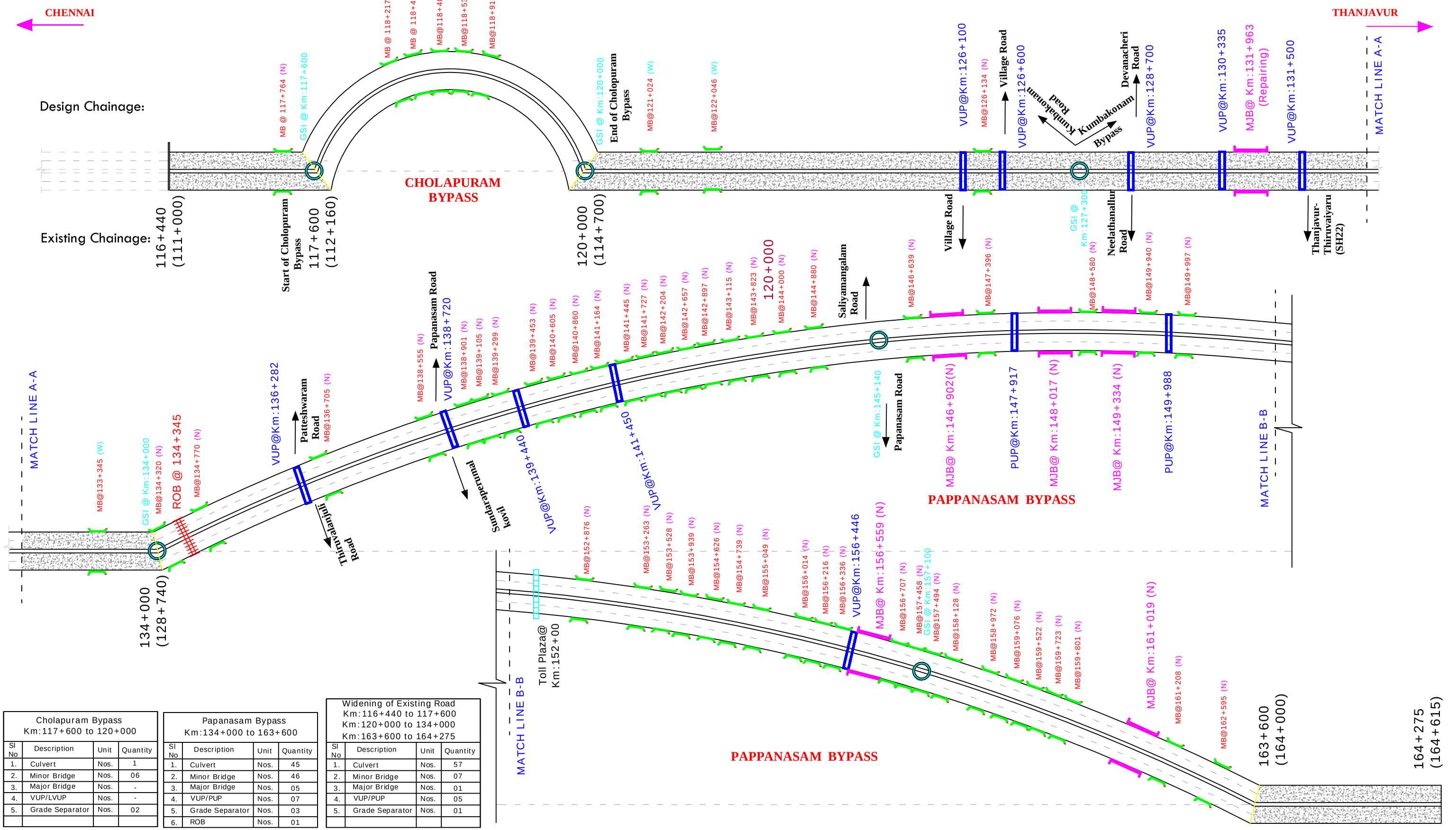


Table- 01: Details of Project Alignments

STRIP PLAN - CHOLAPURAM TO THANJAVUR HIGHWAY PROJECT OF NH45 C



Cholapuram Bypass Km:117+600 to 120+000			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	1
2.	Minor Bridge	Nos.	06
3.	Major Bridge	Nos.	-
4.	VUP/LVUP	Nos.	-
5.	Grade Separator	Nos.	02

Papanasam Bypass Km:134+000 to 163+600			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	45
2.	Minor Bridge	Nos.	46
3.	Major Bridge	Nos.	05
4.	VUP/PUP	Nos.	07
5.	Grade Separator	Nos.	03
6.	ROB	Nos.	01

Widening of Existing Road Km:116+440 to 117+600 Km:120+000 to 134+000 Km:163+600 to 164+275			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	57
2.	Minor Bridge	Nos.	07
3.	Major Bridge	Nos.	01
4.	VUP/PUP	Nos.	05
5.	Grade Separator	Nos.	01

LEGEND:

- Major Bridge(MJB)
- Minor Bridge(MB)
- Grade Separated Structure
- ROB
- Vehicle Under Pass (LVUP/VUP)
- Toll Plaza
- Reconstruction of Existing Road
- Bypass/Newconstruction

Salient Features of Project:

Sl No	Description	Unit	Scope
1.	Total Length of Project	Km	47.835
2.	Length of Widening Portion	Km	15.335
3.	Length of Bypass	Km	32.000
4.	Length of service/Slip Road	Km	27.100
5.	Culverts		
	Box Culvert	Nos.	74
	Slab Culvert	Nos.	29
6.	Minor Bridge	Nos.	59
7.	Major Bridge	Nos.	06
8.	VUP/PUP	Nos.	12
9.	Grade Separated Structure	Nos.	06
10.	ROB	Nos.	01
11.	Minor Intersection	Nos.	22
12.	Major Intersection	Nos.	20
13.	Bus Bays and Shelters	Nos.	05
14.	Toll Plaza	Nos.	01

Drawing Title

Strip Plan - Cholopuram to Thanjavur Highway Project

Date.	Project No.
30-09-2018	PCTHP/NHAI/TN/001

Sr. no.	Design Chainage (Km)		Length (Km)	TCS Type	Remarks
	From	To			
1	116.440	117.200	0.760	Type-B (Fig 2.6 of the manual) without service road	Concentric widening
2	117.200	117.900	0.700	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
3	117.900	119.600	1.700	Type-A-3 (Fig 2.4 of the manual)	Bypass
4	119.600	120.420	0.820	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
5	120.420	122.000	1.580	Type-B (Fig 2.6 of the manual) without service road	Concentric widening
6	122.000	125.300	3.300	Type-A-3 (Fig 2.4 of the manual)	Eccentric widening
7	125.300	125.700	0.400	Type-B (Fig 2.6 of the manual) without service road	Concentric widening
8	125.700	127.700	2.000	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
9	127.700	128.300	0.600	Type-B (Fig 2.6 of the manual) without service road	Concentric widening
10	128.300	129.100	0.800	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
11	129.100	129.970	0.870	Type-B (Fig 2.6 of the manual) without service road	Concentric widening
12	129.970	130.700	0.730	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
13	130.700	131.050	0.350	Type-B (Fig 2.6 of the manual) without service road	Concentric widening
14	131.050	131.850	0.800	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
15	131.850	132.100	0.250	Type-A-3 (Fig 2.4 of the manual)	Eccentric widening
16	132.100	133.580	1.480	Type-B (Fig 2.6 of the manual) without service road	Concentric widening
17	133.580	134.800	1.220	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
18	134.800	136.000	1.200	Type-A-3 (Fig 2.4 of the manual)	Bypass
19	136.000	136.600	0.600	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
20	136.600	138.500	1.900	Type-A-3 (Fig 2.4 of the manual)	Bypass
21	138.500	139.750	1.250	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	

Sr. no.	Design Chainage (Km)		Length (Km)	TCS Type	Remarks
	From	To			
22	139.750	141.100	1.350	Type-A-3 (Fig 2.4 of the manual)	Bypass
23	141.100	141.800	0.700	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
24	141.800	144.450	2.650	Type-A-3 (Fig 2.4 of the manual)	Bypass
25	144.450	145.580	1.130	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
26	145.580	147.600	2.020	Type-A-3 (Fig 2.4 of the manual)	Bypass
27	147.600	148.320	0.720	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
28	148.320	149.720	1.400	Type-A-3 (Fig 2.4 of the manual)	Bypass
29	149.720	150.450	0.730	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
30	150.450	152.700	2.250	Type-A-3 (Fig 2.4 of the manual)	Bypass
31	152.700	153.300	0.600	Toll Plaza	
32	153.300	156.000	2.700	Type-A-3 (Fig 2.4 of the manual)	Bypass
33	156.000	157.350	1.350	Figure 7.8- Grade separator and its approaches with RE wall and both side 7.5 m wide Slip road	
34	157.350	164.275	6.925	Type-A-3 (Fig 2.4 of the manual)	Bypass
		Total Length	47.835		

1.1. Project Overview

Name of Work	Four Laning of Cholopuram-Thanjavur from km. 116.440 to Km.164.275 of NH-45C under NHDP-IV on Hybrid Annuity Mode Basis
Name of Employer	National Highways Authority of India (NHAI) G-5 & 6, Sector-10, Dwarka, New Delhi -110075
Name of Concessionaire	Patel Cholopuram-Thanjavur Highway Pvt Ltd, Patel House, Beside Prakruti Resorts, Chanani Road, Vadodara. Gujarat– 391740 Tel: +91-265 277 6678 Fax: +91-265 277 7878
Independent Engineer	M/s. Theme Engineering Services Pvt. Ltd, 8, Thomaiyammal Nagar, 6th Street, R.S College (Post), Thanjavur-613005.
EPC Contractor	M/s. Patel Infrastructure Limited, Patel House, Beside Prakruti Resorts, Chanani Road,Vadodara Gujarat– 391740, Tel: +91-265 277 6678 Fax: +91-265 277 7878
Design Consultant	CTL Global Services Pvt. Ltd. 101, IST Floor, Krishna Chambers, HAL, Airport Road, Bangalore-560017
Senior Lender	Punjab National Bank, Large Corporate Branch, Neelkamal Building, Opp. Sales India, Ashram Road, Ahmedabad - 380009
Lenders Independent Engineers	Sharul Techno-Financial Consultancy Services Pvt. Ltd., 403, Aspire Tower 5, Amanora Park Town, Hadapsar, Pune - 411028.
Length of Road (Design Length)	47.835 Kms.
Total Bid Cost	Rs. 1345.60 Crores (as per concession agreement)
Date of Concession Agreement	October 12, 2017
Concession Period	17 Years (Construction Period 2 Years from Appointed date, Operation period 15 years from COD)
Appointed Date	06.09.2018
Construction Period	02 years from Appointed date
Completion Date	04.09.2020
Completion Date as per 1st IEOT	10.06.2021
Maintenance Period	15 years from COD

1.2. Salient Project Features

Besides the construction of new carriageways and widening and strengthening of existing carriageways, the following table summaries the major elements of the project construction:

4 - Lane Divided Carriage Way	47.835 Kms
Service Road/ Slip Road	27.100 Kms
Major Bridge	06 Nos.
Minor Bridge	56 Nos.
Grade Separate Intersection	06 Nos.
Vehicular Underpass	10 Nos.
Pedestrian Underpass	02 Nos.
Rail-road Bridges	01 Nos
Box Culverts	74 Nos.
Slab Culverts	29 Nos.
Major Intersections	20 Nos.
Minor Intersections	22 Nos.
Bus Bays	05 Nos.
Rest Area	01 Nos
Toll Plaza	01 Nos.

1.3. Contractual Project Milestones

Following is a listing of the Key Project Milestones:

Mile Stone	Description	Target Date	Revised Target date as per recommended EOT
Mile Stone-I	Concessionaire shall expended not less than 20 % of the Total capital cost and shall have commenced construction of the project and achieved 20% of physical progress on 214th day from the Appointed Date.	07th April 2019	11th January 2019
Mile Stone-II	Concessionaire shall expended not less than 35% of the Total capital cost and shall have commenced construction of the project and achieved 35% of physical progress on 334th day from the Appointed Date	05th August 2019	10th May 2020
Mile Stone-III	Concessionaire shall expended not less than 75 % of the Total capital cost and shall have commenced construction of the project and achieved 75% of physical progress on 584th day from the Appointed Date	11th April 2020	15th January 2021
Scheduled Completion	Concessionaire shall have completed Project on 730th day from the Appointed Date	04th September 2020	10th June 2021

1.4. Payment milestone during Construction Period

Payment Milestone	Eligibility Criteria	Payment Amount (Rs.)
Milestone-I	On Achievement of 10% of Physical Progress	107.65 Crs.
Milestone-II	On Achievement of 30% of Physical Progress	107.65 Crs.
Milestone-III	On Achievement of 50% of Physical Progress	107.65 Crs.
Milestone-IV	On Achievement of 75% of Physical Progress	107.65 Crs.
Milestone-V	On Achievement of 90% of Physical Progress	107.65 Crs.

1.5. Permits & Approvals

Sr. No.	Details	Authority	Current Status	Remarks
1	Extraction of Boulders from Quarries	Dist. Mining Officer	Obtained	PIL (EPC Contractor) have engaged Agate Infra Engineering for supply of boulders that is having a valid license for extraction of boulders and other required permission for the quarry at Kalpadi Village, Perambalur District.
2	Installation of Crusher	Village Panchayat Head	Obtained	
3	-----D O------	Pollution Control Board	Obtained	
4	Use of Explosives	Dist. Collector	Obtained	
5	Labour License	Labour Commissioner	Obtained	
6	Environmental Clearance		NA	
7	Trees Cutting Permission	Forest department through NHAI	Obtained	Work in Progress (Permission for removal of Teak wood trees is awaited)
8	Electric Poles Shifting	Tamil Nadu Electricity Board	Obtained	Work in Progress
9	Water Pipes Shifting	Tamil Nadu Water Supply and Drainage Board	Obtained	Work in Progress
10	Drawing Water from river/ reservoir	-	NA	-

2.1. Land Acquisition

As per the Schedule – A of Concession Agreement, the Proposed Right of Way (ROW) is of 45 & 60 meters as per table below.

Table 2.1-1: Details of proposed ROW as per Schedule-A				
	Design Chainage (Km)	Design Length (Km)	Width (m)	Remarks
(i) Full Right of Way (full width)				
Stretch	116.440 to 117.600	1.160	30	Within 15 (Fifteen) days from the date of Agreement.
Stretch	117.600 to 120.000	2.400	60	
Stretch	120.000 to 134.000	14.000	30	
Stretch	134.000 to 164.275	30.280	60	
Total Length		**47.835**		

Balance Right of way (width)				
	Design Chainage (Km)	Design Length (Km)	Width (m)	
Stretch	116.440 to 117.600	1.160	30	Within 90 (Ninety) days of the Appointed date
Stretch	120.000 to 120.340	0.34	20	
Stretch	124.700to 126.100	1.40	20	
Stretch	126. 700 to 127 .655	0.95	20	
Stretch	130.600 to 134.000	3.40	20	
Total Length		**7.250**		

Besides this, the Authority has to acquire additional land at Toll plaza location, Bus bays, turning radius at Major junctions.

Table 2.1-2: Status of Land Acquisition as per Site Condition				
Sl. No.	**Description**	**Unit**	**Present Status**	**Remarks**
A)	**Total Length of the Project Highway**	**Km**	**47.835**	
i)	Use of Existing Road Portion	Km	15.835	
ii)	Proposed Bypass / Realignment portion	Km	32.000	
B)	Hindered Length			
i)	LA Pending/Land under disputes	Km	7.540	
ii)	Existing Buildings	Km	2.480	
iii)	Pending for Disbursement of Payment	Km	4.735	
iv)	Electrical Lines	Km	3.610	
v)	Rural Water Supply lines	Km	10.580	
C)	Net Hindered Length (both Side)	Km	7.975	
D)	Total Project Length (both Side)	Km	47.835	
E)	**% Hindered Length**	**%**	**16.67%**	

There has been increase in the Hindered length due to Diversion not possible at RE Wall stretches as Land not yet made available. The details of land acquisition status and available hindrances are produced on a strip chart under section 04.

The status of compensation disbursed is as below: -

Table 2.1-3:Compensation disbursement for land					
Sr. No.	Name of the District	Total No. of Land cases	Amount paid (in Nos.)	Balance to be Paid (in Nos.)	Remarks
1	Thanjavur	1467	1074	393	
	Total in Nos.	1467	1074	393	
	Total in %		73.21%	26.79%	

Table 2.1-4 - Compensation disbursement for Structures					
Sr. No.	Name of the District	Total No. of structures	Amount paid (in Nos)	Balance to be Paid (in Nos)	Remarks
1	Thanjavur	813	662	151	
	Total in Nos	813	662	151	
	Total in %		81.43%	18.57%	

The details of Chainages under hindrance due to such balance compensation issues to their land owners, structure payment issues, standing crops, water pipe lines etc. are as below –

1) Details of Stretches Under Hindrance (BHS):-

Table 2.1-5 A- Details of Stretches Under Hindrance (BHS)						
S. No	Chainage		Length (km)	Net Affected Length (Km)	Side	Remarks
	From	To				
1	116.440	117.600	1.16	1.16	BHS	Land not handed over by the Authority
2	117.600	117.732	0.13	0.13	BHS	Obstruction/Hindrance due to delay in Shifting of pipeline for existence and consequences effect of LA hindrance exists along the project highways.
3	117.732	117.754	0.02	0.02	BHS	Encumbrance due to Delay in NOC from PWD/WRO, Govt of TN- Existing Ponds.
4	120.000	120.340	0.34	0.34	BHS	RE Wall Location - Diversion Issues. (i)Compensation not yet Paid for the Lands & Existing Buildings, (ii)NOC pending for existing pond on 120+200 to 120+242 to be cleared, (iii)Temples (Km 120+180) Compensation to be paid (iv)RHS -Temple (Km120+200) Compensation to be paid,
5	120.340	120.721	0.38	0.38	BHS	Obstruction/Hindrance due to delay in Shifting of pipeline for existence and consequences effect of hindrance exists along the project highways
6	124.880	125.370	0.49	0.49	BHS	Compensation pending for huts & RCC & Tacked roof buildings on poramboke land.

7	125.370	125.450	0.08	0.08	BHS	Compensation pending for huts & RCC & Tached roof buildings on poramboke land are pending.
8	125.580	125.750	0.17	0.17	BHS	Compensation pending for huts & RCC & Tached roof buildings on poramboke land are pending.
9	127.000	127.200	0.20	0.20	BHS	(i) Compensation pending towards the land & existing buildings,(ii)NOC pending for Existing pond at Km 126+675 to Km 126 +772,iii)RHS-127+300 Anuj Tiles showroom to be removed, Temple (Km 126+870)compensation not yet paid (iv) Delay in payment of supervision charges Melakaveri - Chettimandapam section- paid on 22.11.2019
10	128.700	129.100	0.40	0.20	RHS	Obstruction/Hindrance due to delay in Shifting of pipeline for existence and consequences effect of hindrance exists along the project highways.
11	130.270	130.330	0.06	0.06	BHS	Compensation pending for Existing Buildings, Poramboke houses.
12	131.850	133.610	1.76	1.76	BHS	RE Wall Location- Diversion Issues Compensation not yet paid for land & Structures, Poramboke houses (5 Buildings), Temple (Km 133+180) Compensation yet to be paid,
13	133.610	134.000	0.39	0.39	BHS	RE Wall Location-Diversion Issues (i) Compensation Not yet paid for Land & Structures, (iii) RHS-NOC pending for Existing pond at Km 133+756 to Km 133+814
14	138.200	138.600	0.40	0.40	BHS	Land on dispute -Court Issue (Mr.Dharmalingam & Mr.Shanmugam)
15	138.600	139.070	0.47	0.47	BHS	RE Wall Location - Payment issues, compensation pending. Land on dispute - Court Case- Mr.Dharmalinga, Mr.Rajini , Mr.Nagaraj),
16	146.550	147.000	0.45	0.45	BHS	Obstruction of exiting irrigation canal needs to be relocated.
17	147.850	148.100	0.25	0.25	BHS	Obstruction of exiting irrigation canal needs to be relocated.
18	154.400	154.900	0.50	0.50	BHS	(I)Obstruction of exiting irrigation canal needs to be relocated. (II)All the landowners in the Vaiyacheri village has requested for revaluation and the award of the same was passed, and the payment to be cleared.
19	156.200	156.500	0.30	0.30	BHS	Hindrance due to teak wood trees.
20	161.000	161.220	0.22	0.22	BHS	LA issues - Owner name Ms Tamil selvei - Under litigation with Court.
	Total Hindered Length BHS (Km)			7.975		

2.2. Removal of Religious Structures

The following structures coming within the ROW are to be demolished

Table 2.2-1: Status of Removal of Religious structures

Sl. No.	Name of the District	Total No. of structures	Removed as on Date (in Nos.)	Balance (in Nos.)
1	Thanjavur	13	0	13
Note: Pending for disbursement of payment to the Religious structures.				

2.3. Shifting of Utilities and Electrical HT/LT Lines

To proceed with the project construction, several utilities are required to be shifted under the supervision of the respective authorities. These include a water supply line, hand pumps, overhead water tanks, besides Electrical lines, as shown in the table below.

Table 2.3-1: Status of sanction of Estimates - Relocation of RWS Pipe line

Sl. No	Name of the District	Chainages			Total Number of Estimates	Remarks
		From	To	Length in Km		
1	Thanjavur	116+440	164+275	47.835	32	Work is in Progress

Table 2.3-2: Status of sanction of Estimates - Electrical Lines Relocation

Sl. No	Name of the District	Chainages			Number of Estimates	Present Status	Remarks
		From	To	Length in Km			
1	Thanjavur	116+440	164+275	47.835	16	Work in Progress	

Estimates for shifting of the above Electric lines have been prepared. The estimated cost is approximately Rs. 10.50 crores.

Table 2.3-3: Status of Utility Relocation

Sl. No.	Authority	Description	Unit	Total Length/ Nos.	Work done	Balance	Remarks
1	BDO & EE,TWAD	Water Supply Pipe Line (including DI and PVC lines)	Kms.	35.750	7.960	27.79	Work in Progress
2	BDO of Concern Union	Hand Pump/Pump Room with Bore well	Nos.	16	3	13	
3	BDO of Concern Union	Over Head Tank	Nos.	2	2	0	Completed
4	TNEB	Electrical Lines	Kms.	19.215	15.605	3.610	Work in Progress

Estimates have been done for the shifting of the water supply pipeline & related items mentioned above. The estimated cost is approximately Rs. 6.8 crores.

2.4. Tree felling

Table 2.4-1: Status of Tree felling

Sl. No.	Name of the District	Chainages			Effected Length in Kms	Total No. of Trees	Felled/ Removed as on Date	Balance no. of Trees	Remarks
		From	To	Length in Km					
1	Thanjavur	116+440	164+275	47.837	15.310	1461	1448	13	Work in Progress
			Total	47.835					

Teak Wood trees are not included in the above table since permissions for removal of teak wood trees is not yet obtained.

Table 2.1.6 - Hindrance Photographs (31.03.2020)

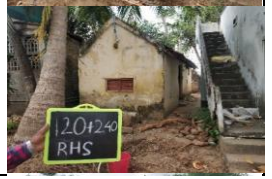
S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
1	116+440	116+475	35	LHS	Manambadi	HUT - 3	3	CHINNAPILLAI, DHARMARAJ,SAROJA, ELANGOVAN	43/9B (Saroja), 43/10B (D Raj)	Paid	VERIFICATION IN PROCESS	
2	116+440	116+450	10	RHS	Manambadi			KARTHIK, KUNJAMAL	58/7B 8B	Not Paid	COURT CASE	
3	116+490	116+510	20	LHS	Manambadi	HUT-4 GI SHEET-1	2	CHINNAPONNU	48	Not Paid		
4	116+510	116+515	5	LHS	Manambadi	HUT SHOP ,GI SHEET HOUSE	2	MURUGAN,PALANIAMMAL	48/24	Not Paid	GOVT.P	
5	116+515	116+525	10	LHS	Manambadi	RCC, HUT, GI SHEET	3	NEHRU, KAYALVILZHI	48	Not Paid	GOVT.P	
6	116+520	116+540	20	RHS	Manambadi	HUT	3	SETTU SONS	57/7A	Not Paid	JOINT PATTA PROBLEM	
7	116+525	116+540	15	LHS	Manambadi	RCC, GI SHEET	2		48	Not Paid	GOVT.P	
8	116+540	116+560	20	LHS	Manambadi	GI SHED, RCC HOUSE	2	MALLIGA	48/4	Not Paid	GOVT.P	
9	116+570	116+575	5	LHS	Manambadi	GI SHED	1	PITCHA PILLAI	48	Not Paid	GOVT.P	
10	116+580	116+590	10	LHS	Manambadi	RCC HOUSE	1	VALARMATHI ,THIYAGARAJAN	48	Not Paid	GOVT.P	
11	116+590	116+595	5	LHS	Manambadi	HUT , WIRE FENCING	2	ARUMUGAM, SARASU	48/2A2	Not Paid	GOVT.P	
12	116+595	116+610	15	LHS	Manambadi	G+1 RCC,	1	HEMALATHA, VENMANI	48/2A2	Not Paid	GOVT.P	
13	116+615	116+625	10	LHS	Manambadi	GI SHEET	1	HEMALATHA, VENMANI	48/2A2	Not Paid	GOVT.P	
14	116+645	116+655	10	LHS	Manambadi	HUT & GI SHEET	2	CHELLAMMAL, PONNAMMAL, SATHYAMOORTHY	49/11A,49/ 11B	Not Paid	JOINT PATTA PROBLEM & DOCUMENT PROBLEM	
15	116+655	116+660	5	LHS	Manambadi			UTHAMAN	49/7	Not Paid	DOCUMENT PROBLEM & TO BE SUB DIVIDED	
16	116+660	116+680	20	LHS	Manambadi	LAND & FLOORING TEMPLE	2	UTHAMAN	49/9	Not Paid	DOCUMENT PROBLEM & TO BE SUB DIVIDED	
17	116+682	116+690	8	LHS	Manambadi	GI SHEET	1	CHANRAKALA, KAVIARASU	49/7A2B	Not Paid	DOCUMENT PROBLEM & TO BE SUB DIVIDED	
18	116+690	116+710	20	LHS	Manambadi	LAND WITH TREES, HUT	1	GUNABAL	49/7A2B	Not Paid	HOUSE ONLY PAID	
19	116+690	116+695	5	RHS	Manambadi	MOTOR SHED	1	MOHAMMED SULTAN		Paid	PAID & NO OBJECTION	
20	116+710	116+720	10	LHS	Manambadi	RCC GREEN HOUSE	1					
21	116+720	116+725	5	LHS	Manambadi	TILE HOUSE	1	SELVADURAI	127/13,14, 15,16,17	Not Paid	PARTIALLY PAID	
22	116+725	116+735	10	LHS	Manambadi	RCC G+1	1	MURUGESAN S/O GUNNDU	49/112	Paid	PAID UNDER NOTICE PERIOD	
23	116+735	116+740	5	LHS	Manambadi	RCC G+1	1	MINUKACHI	49/1H2	Paid	PAID UNDER NOTICE PERIOD	
24	116+750	116+760	10	LHS	Manambadi	RCC PARTIALLY CONSTRUCYION	1	L.GANASAN	49/1G	Paid	PAID, REVALUATION APPLIED	
25	116+760	116+770	10	LHS	Manambadi	TILED & RCC HOUSE	2	MUTHAMMAL	49/1F	Paid	PAID UNDER NOTICE PERIOD	
26	116+770	116+785	15	LHS	Manambadi	GI SHED, RCC HOUSE	2	BALAKRISHNAN	49/1D2B,49 /1E2	Paid	PAID UNDER NOTICE PERIOD	
27	116+785	116+805	20	LHS	Manambadi	HUT & TILED HOUSE	2	GOVINDASAMY, SAMIKANNU, CHANDRAN, SEIGAMANI	491D2B	Not Paid	UNPAID & ENQUIRED PROPOSAL IN PROCESS	
28	116+785	116+795	10	RHS	Manambadi	HUT	1	THANGAMANI, DEVI	53/10	Not Paid	GOVT.P	
29	116+795	116+810	15	RHS	Manambadi	HUT	1	KANNAIYAN	53/10	Not Paid	GOVT.P	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
30	116+805	116+825	20	LHS	Manambadi	GI SHED	1	PANNERSELVAM, SAKTHI	49/1C2	Paid	PAID UNDER NOTICE PERIOD	
31	116+810	116+815	5	RHS	Manambadi	HUT	1	MARIMUTHU	53/10	Not Paid	GOVT.P UINPAID	
32	116+810	116+815	5	RHS	Manambadi	RCC	1			Not Paid	PATTA UNPAID	
33	116+815	116+820	5	RHS	Manambadi	HUT	1	BABY	53/10	Not Paid	GOVT.P UINPAID	
34	116+815	116+820	5	RHS	Manambadi	RCC	1			Not Paid	PATTA UNPAID	
35	116+825	116+850	25	LHS	Manambadi	2NO.S STR.	2	CHINNATHAMBI, CHINNADURAI	49/1I	Not Paid	UNPAID & RECENTLY SURVEY	
36	116+825	116+840	15	RHS	Manambadi			REVATHI, PANDIYAN, SELVI, VELU	53/10	Not Paid	2ND PAYMENT UNPAID	
37	116+860	116+880	20	LHS	Manambadi	PRIMARY SCHOOL, MAHAMARIYAMMAN TEMPLE	2	RATHNAM(NATTAMAI)	129/B2	Paid	GOVT.P	
38	116+875	116+885	10	RHS	Manambadi	SMALL CHURUCH WITH GRILL GATE	1	THOMAS ALWA EDISON	127/19	Not Paid	2ND PAYMENT UNPAID	
39	116+880	116+890	10	LHS	Manambadi	HUT-2	2	MURUGAN , KAMARAJ	129/1E2,129/2A2	Paid	PAID UNDER NOTICE PERIOD	
40	116+885	116+895	10	RHS	Manambadi	GI SHEET	1	DEIVASAGAYAM, LOUIS	127/15A	Not Paid	2ND PAYMENT UNPAID	
41	116+890	116+900	10	LHS	Manambadi	LAND ONLY	1	L.GANASAN	129/6	Paid	PAID UNDER NOTICE PERIOD	
42	116+895	116+905	10	RHS	Manambadi	GI SHEET	1	JOSHPIN ANTHONIAMMAL, SEKAR	127/11A	Not Paid	2ND PAYMENT UNPAID	
43	116+900	116+910	10	LHS	Manambadi	HUT, RCC, TILE	3			Not Paid	2ND PAYMENT UNPAID	
44	116+905	116+915	10	RHS	Manambadi	GI SHEET	1	JOSHPIN ANTHONIAMMAL, SEKAR	127	Not Paid	2ND PAYMENT UNPAID	
45	116+910	116+920	10	LHS	Manambadi	RCC	1	PITCHA PILLAI	130/1	Not Paid	2ND PAYMENT UNPAID	
46	116+920	116+925	5	LHS	Manambadi	GI SHEET	1	BASKAR	130/1A,130/1B	Not Paid	2ND PAYMENT UNPAID	
47	116+920	116+930	10	RHS	Manambadi	RCC	1		117/5C1B	Paid	PAID UNDER NOTICE PERIOD	
48	116+925	116+940	15	LHS	Manambadi	RCC	1	YESUDOSS	130/1A1, 130/1B1	Not Paid	2ND PAYMENT UNPAID	
49	116+935	116+940	5	RHS	Manambadi	HUT	1	RAJAKUMAR		Not Paid	UNKNOWN STATUS	
50	116+940	116+955	15	LHS	Manambadi	TILED HOUSE	1	PRAKASAM	130/1	Not Paid	2ND PAYMENT UNPAID	
51	116+940	116+955	15	RHS	Manambadi	RCC	1	SINGRAVELU S/O SHANMUGAM	104/1C,127/10A1	Paid	PAID UNDER NOTICE PERIOD	
52	116+955	116+960	5	LHS	Manambadi	RCC	1	THANGARAJU	130/1	Not Paid	2ND PAYMENT UNPAID	
53	116+955	116+965	10	RHS	Manambadi	RCC	1	BHARATHI W/O TAMILSELVAN	53/11A1, 27/9B2A	Paid	PAID UNDER NOTICE PERIOD	
54	117+005	117+010	5	LHS	Manambadi	TNPC TEMPRORY GODOWN	1	BALASUBRAMANIYAN	121/18		UNKNOWN STATUS	
55	117+010	117+020	10	LHS	Manambadi	HUT		SUSAIAMMAL	121/13	Not Paid	DOCUMENT PROBLEM	
56	117+020	117+025	5	LHS	Manambadi	RCC HOUSE	1	CHINNATHAMBI	121/12B	Not Paid	2ND PAYMENT UNPAID	
57	117+020	117+080	60	RHS	Manambadi	FENCING WITH AC SHEET, MARRIAGE HALL WITH G+1 AC SHEET, G+1 TILE CHRUCH	3		127/10D2A, 127/10C1	Paid	DOCUMENT PENDING	
58	117+025	117+030	5	LHS	Manambadi	HUT	1	RAJAPPAN	121/12A2	Not Paid	2ND PAYMENT UNPAID	
59	117+035	117+045	10	LHS	Manambadi	TILED HOUSE	1	GNANAPRAKASAM	121/10	Not Paid	DOCUMENT PROBLEM	
60	117+045	117+055	10	LHS	Manambadi	GI SHED	1	BHAKIYASAMY	121/12	Paid	PAID	
61	117+045	117+055	10	LHS	Manambadi	LAND	1	BHAKIYASAMY	121/12	Not Paid	UNPAID	
62	117+060	117+070	10	LHS	Manambadi	RCC	1	VASUDEVAN	121/7A2	Paid	REVALUTION APPLIED UNDER NOTICE PERIOD	
63	117+070	117+095	25	LHS	Manambadi	RCC	1	VASUDEVAN , VAIRAM	121/6A2	Paid	PAID UNDER NOTICE PERIOD /NO OBJECTION	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
64	117+110	117+125	15	RHS	Manambadi	TILE,RCC	2		123	Not Paid	JOINT PATTA PROBLEM	
65	117+150	117+155	5	LHS	Manambadi	NEW CONSTRUCTION BUILDING	1			Paid	PAID /NO OBJECTION / UNDER DISMANTLING	
66	117+175	117+185	10	LHS	Manambadi	TILE TEA SHOP	1	ANARKALI	120/20	Not Paid	2ND PAYMENT UNPAID	
67	117+175	117+185	10	LHS	Manambadi	TILE TEA SHOP	1	ANARKALI	120/21	Not Paid	PAID APPLIED FOR	
68	117+185	117+195	10	RHS	Manambadi	LAND				Not Paid	UNPAID / DOCUMENT PROBLEM	
69	117+190	117+205	15	LHS	Manambadi	HOUSE + 2 SHOPS	3			Not Paid	2ND PAYMENT UNPAID	
70	117+190	117+215	25	RHS	Manambadi	VAO OFFICE, RATION SHOP	2			Paid	UNPAID / GOVT. STR.	
71	117+215	117+225	10	RHS	Manambadi	House-Shop	2	KAMARAJ S/O.RAMASAMY	117/15	Not Paid	UNPAID / DOCUMENT PROBLEM	
72	117+225	117+235	10	RHS	Manambadi	MANGLORE TILE HOUSE-4 NO.S , HUT	5	RAMASAMY	117/6H	Not Paid	2ND PAYMENT UNPAID / TEMPLE LAND ISSUE	
73	117+235	117+240	5	RHS	Manambadi	RCC	1	SETHURAMAN, RASU	117	Paid	PAID / TEMPLE LAND ISSUE	
74	117+245	117+250	5	RHS	Manambadi	RCC , AC SHHET	2	PERUMAL, SIVALINGAM		Paid	PAID / TEMPLE LAND ISSUE	
75	117+250	117+260	10	RHS	Manambadi	HUT & TILED HOUSE	2			Not Paid	2ND PAYMENT UNPAID	
76	117+260	117+265	5	RHS	Manambadi	HUT & TILED HOUSE	2	JOSEPH	117/6B	Not Paid	2ND PAYMENT UNPAID	
77	117+270	117+280	10	RHS	Manambadi	HUT & TILED HOUSE	1	SUBRAMANI		Not Paid	2ND PAYMENT UNPAID	
78	117+280	117+305	25	RHS	Manambadi	RCC HOUSE	1	PAULRAJ	117/5C2A	Not Paid	DOCUMENT PROBLEM & REVIEW IN LA	
79	117+310	117+325	15	RHS	Manambadi	HUT - 2	2	PANNERSELVAM	116/7B1	Not Paid	2ND PAYMENT UNPAID/ PASSBOOK PROBLEM	
80	117+345	117+355	10	RHS	Manambadi	RCC HOUSE	1	STANISDAS S/O.RATHNASAMY	116/4	Not Paid	2ND PAYMENT UNPAID	
81	117+360	117+375	15	RHS	Manambadi	ROOF & RCC HOUSE	1	JOSHAB S/O. AROKIYASAMY	116/3B	Not Paid	2ND PAYMENT UNPAID	
82	117+390	117+405	15	RHS	Manambadi	House	1	RAMAMOORTHY	116/2A	Not Paid	PAID / REVALUATION APPLIED	
83	117+545	117+555	10	RHS	Manambadi	RCC G+1	1	JESI W/O PAULRAJ	115/4C1B	Paid	PARTIALLY DISMANTLED	
84	117+565	117+585	20	RHS	Manambadi	RCC G+1	1	AROGIYAMARY		Paid	PAID / UNDER NOTICE	
85	117+580	117+590	10	RHS	Manambadi	RCC G+1	1	MUTHTHAMIL SELVI	115/51B	Paid	PAID / UNDER NOTICE / REVALUATION APPLIED	
86	117+590	117+600	10	RHS	Manambadi	TILE, RCC	2	KULOTHUNGAN		Paid	PAID / UNDER NOTICE / REVALUATION APPLIED	
87	120+000	120+010	10	LHS	Vilanthakandam	RCC	1	Venkatesh		Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
88	120+090	120+100	10	LHS	Vilanthakandam	HUT , 3 NOS RCC BUILDING , TILE HOUSE	3	KASINATHAN, RAMALINGAM, RANJITH KUMAR	134/1B , 134/1A	Not Paid	INTERNAL-COUR CASE - DOUMENT PROBLEM	
89	120+100	120+115	15	LHS	Vilanthakandam	G+1 RCC WITH SHOP	1	PONNIYIN SELVAN	134/1B2	Not Paid	REVALUATION- **D.E** VISIT BENDING	
90	120+110	120+130	20	RHS	Vilanthakandam	HUT, RCC	2	MURUGAN	29/4A1 &A2	Paid	Under Notice Period	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
91	120+150	120+160	10	RHS	Vilanthakandam	WOODSHOP & HOUSE	1	PARAMESWARAN	29/4A1B	Not Paid		
92	120+150	120+166	16	RHS	Vilanthakandam	RCC BUILDING WITH COMPOUND WALL	1	KUMAR , KASINATHAN	29/4A1B1	Not Paid	JOINT PATTA PROBLEM	
93	120+175	120+195	20	LHS	Vilanthakandam	TILE, HUT, GI SHEET	3	MAHALINGAM, RAMACHANDRAN PAKKIRI	134/4	Paid		  
94	120+195	120+200	5	LHS	Vilanthakandam	VINAYAGA TEMPLE WITH ARASAN TREE	1			Not Paid		
95	120+200	120+220	20	RHS	Vilanthakandam	RCC WITH COMPOUND WALL	1	KALIYAMOORTHY	29/4A1 E	Not Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
96	120+200	120+221	21	RHS	Vilanthakandam	RCC WITH TWO SHOPS	1	JEYARAMAN	29/4A1A	Not Paid	Paid to 2 shops Only and not paying RCC	
97	120+210	120+222	12	RHS	Vilanthakandam	AYYANAR TEMPLE	1			Not Paid		
98	120+210	120+220	10	RHS	Vilanthakandam	AC SHEET, GI SHEET	2	RAJENDRAN		Not Paid	JOINT PATTA PROBLEM	 
99	120+225	120+240	15	RHS	Vilanthakandam	RCC WITH COMPOUND WALL	1	PARVATHY-RAMALINGAM	29/4 B3	Paid Partially	PATTA PAID REVALUATION APPLIED & GOVT. AREA UNPAID	
100	120+240	120+250	10	RHS	Vilanthakandam	RCC, MANGALORE TILE BUILDING	2	K RAJU	130/2	Paid		 

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
101	120+250	120+260	10	LHS	Vilanthakandam	RCC	1	KANNAN		Paid		
102	120+250	120+260	10	RHS	Vilanthakandam	RCC BUILDING	1	NATARAJAN	28/4D1, 28/4D2	Not Paid	2ND PAYMENT	
103	120+265	120+275	10	LHS	Vilanthakandam	RCC	1	THACHINA MURTHY		Paid		
104	120+340	120+356	16	RHS	Vilanthakandam	RCC COMPLEX WITH HOUSE	1	SETHALADEVI		Not Paid	REVALUATION APPLIYED	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
105	120+465	120+500	35	RHS	Kovilacheri	3 HUT & RCC BUILDING-1NOS	4	SUBRAMANIYAN	32/7A	Not Paid	PATTA COURT CASE	   
106	120+520	120+530	10	RHS	Kovilacheri	AC SHEET WITH BRICK BUILDING	1	MURUGANATHAM		Paid		
107	120+535	120+540	5	RHS	Kovilacheri	RCC BUILDING WOODEN SHOP - 1 NOS	1	RAVICHANDRAN	32/9A	Not Paid	PATTA NOT-PAID	
108	120+575	120+595	20	RHS	Kovilacheri	RCC BUILDING	1	PANEER SELVAM	325/5E	Not Paid	Death certificate required	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
109	120+630	120+655	25	RHS	Kovilacheri	RCC BUILDING-3 NOS, MANGALORE TILE BUILDING-1 NOS	4	KALAICHELVI CHAKRAVARTHY, PALANIVEL, KANNAINYAN, PAVADAI	26/2B 26/2B1	Paid -1 Not Paid - 3	PATTA NOT-PAID	  
110	121+110	121+210	100	RHS	Kovilacheri	FENCING ON LAND	1	PITCHA PILLAI		Paid	PATTA ROW TO BE MARKED	
111	121+460	121+470	10	LHS	Kovilacheri	RCC BUILDING WITH SHOPS-2NOS	1	Jayaraman		Paid		
112	121+804	121+806	2	RHS	Kovilacheri	MARY STATUE-1 NOS	1	KALAMBARAM NATTAMAI		Not Paid	PATTA NOT-PAID	
113	120+450	120+490	40	LHS	Kovilacheri	PETROL BUNK	1	EZHILSELVAN		Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
114	120+515	120+520	5	LHS	Kovilacheri	HUT HOTEL -1 NOS & HUT-1 NOS	2	THANGAVEL	48/1B	Not Paid	Documet Issue -COURT CASE	
115	120+560	120+600	40	LHS	Kovilacheri	1 SHEET, 2 MANGALORE TILE , 1- RCC BUILDING	4	KULANCHIAPPAN & 3 NO.S	48/3A2	Not Paid	JOINT PATTA PROBLEM	 
116	120+610	120+625	15	LHS	Kovilacheri	RCC BUILDING WITH TILE ROOF	1	RAJU- AASARIE	48/3B 2	Not Paid		
117	120+670	120+680	10	LHS	Kovilacheri	GATE	1	SENTHIL KUMAR		Paid		
118	120+685	120+695	10	LHS	Kovilacheri	RCC BUILDING	1	SANTHOSH KUMAR	48/7	Not Paid		
119	120+685	120+710	25	LHS	Kovilacheri	AC SHEET WITH WELDING SHOP	1	SAGUR MAN BOY		Not Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
120	120+850	120+860	10	LHS	Kovilacheri	FRONT WALL	1	SANTHOSH KUMAR		Paid		
121	120+880	120+885	5	LHS	Kovilacheri	WALL WITH EB LINE	1	PERUMAL	51/10B	Paid		
122	120+995	121+000	5	LHS	Kovilacheri	HUT	2	SELVI, SUSEELA		Paid	Under Notice Period	 
123	121+220	121+240	20	LHS	Kovilacheri	TEA SHOP & HOTEL	1	LARANCE MARRIE		Paid		
124	121+260	121+290	30	LHS	Kovilacheri	FENCING & LAND	1			Paid		
125	121+260	121+265	5	LHS	Kovilacheri	BUSSTOP	1			Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
126	121+560	121+570	10	LHS	Kovilacheri	FENCING WITH EMPTY LAND	1	VIJAYA		Not Paid		
127	121+575	121+585	10	LHS	Kovilacheri	SHOPS-2 NOS (SARUBALA INDUSTRIES, BABU AUTO WORK SHOP)	2	SUBARAMANI		Paid		 
128	121+590	121+600	10	LHS	Kovilacheri	GI SHEET HOUSE	1	KARUPAIYAN		Paid		
129	121+590	121+600	10	LHS	Kovilacheri	HUT	1	PADMANABAN		Paid		
130	121+615	121+655	40	LHS	Kovilacheri	DHROUPATHIAMMAN TEMPLE	1	MANOHARAN		Paid	Paid to CALA - Committee not formed by the concerns	
131	121+670	121+690	20	LHS	Kovilacheri	SHOP-5 NOS WITH SUNSHADE	1	RAMAKRISHNAN		Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
132	122+080	122+100	20	RHS	Bagavathapuram	BIG BANIYAN TREE WITH VANAKALIAMMAN TEMPLE	1	MANOHARAN		Not Paid		
133	124+320	124+325	5	RHS	Koranattukarupur-I	EICHER HOLDING	1	PLA GROUP OF COMPAINIES		Paid		
134	125+050	125+090	40	RHS	Koranattukarupur-I	TOYATO YARD	1			Not Paid	2ND PAYMENT NOT PAID	
135	124+900	125+000	100	LHS	Koranattukarupur-I	FENCING	1	SRINIVASAN		Paid		
136	125+010	125+015	5	LHS	Koranattukarupur-I	HUT AND FRONT PORTION WALL	1			Paid	TEMPLE LAND PAID	
137	125+025	125+035	10	LHS	Koranattukarupur-I	RCC BULIDING, AND BORE WELL	2			Paid	TEMPLE LAND PAID	
138	125+085	125+200	115	LHS	Koranattukarupur-I	FENCING	1	JOTHI		Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
139	125+400	125+420	20	LHS	Koranattukarupur-I	HUT, RCC, HUT, RCC	4	KADALMANI RAMU, SAMIAYYA PITHCHAIAMMAL, MAHALINGAM	136/2B2, 159/1A1B, 159/1R1B, 159/1R2B	Not Paid		
140	125+530	125+580	50	LHS	Koranattukarupur-I	HUT	1	SHANMUGAM	452/48, 50	Not Paid	DOCUMENT PERSON NAME - RAJAMANIKKAM - 1 ST PAYMENT PAID & 2 ND PAYMENT PENDING	
141						TILE HOUSE=2NOS&HUT=2 NOS	4	RAJAMANIKKAM		Not Paid		
142						TILE HOUSE=1NO & HUT= 1 NO	2	SAMY AYYA		Not Paid		
143						HUT= 1 NO	1	RAJASEKAR		Not Paid		
144						HUT= 1 NO	1	SEKAR PERIYASAMY		Not Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
145						TILE HOUSE=1 NO	1	MANIVANNAN, SEKAR		Not Paid		
146	125+580	125+600	20	LHS	Koranattukarupur-I	TILE HOUSE=1NO	1	KRISHNAN	160/9,161/18	PAID		
147	125+580	125+585	5	LHS	Koranattukarupur-I	HUT= 1 NO	1	AMSU (KAARI)		NOT PAID		
148	125+590	125+610	20	LHS	Koranattukarupur-I	RCC BUILDING=1 NO	1	MOTTAYANDI		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
149	125+600	125+605	5	LHS	Koranattukarupur-I	RCC BUILDING=1 NO	1	THANGAYAN		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
150	125+600	125+605	5	LHS	Koranattukarupur-I	HUT= 1 NO	1	THANGAYAN		NOT PAID	LPS NOT DONE	
151	125+600	125+610	10	LHS	Koranattukarupur-I	RCC BUILDING=1 NO	1	KALIYAMOORTHY,KALIAMMAL		PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
152	125+600	125+610	10	LHS	Koranattukarupur-I	EMPTY LAND	1	KARUNANITHI,VASANTHA		NOT PAID		
153	125+630	125+640	10	LHS	Koranattukarupur-I	RCC BUILDING=1 NO	1	LAKSHMI,MOOTAIYAN	161/4	PAID		
154	125+560	125+570	10	RHS	Koranattukarupur-I	HUT= 1 NO	1	SELVAM,KARUPPAIYA	164/4A	PAID		
155	125+570	125+580	10	RHS	Koranattukarupur-I	RCC BUILDING=1NO	1	SHANGILI KARUPPAIYAN	164/4	PAID		
156	125+580	125+585	5	RHS	Koranattukarupur-I	TILE HOUSE=1NO	1	SAMYAPPAN	163	PAID		
157	125+580	125+600	20	RHS	Koranattukarupur-I	TILE HOUSE=1NO	1	KALIYAMOORTHY & MOTTAYANDI	164	NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
158					Koranattukarupur-I	TILE HOUSE=1NO	1	RAMA MIRUTHAM(VEERAMANI)		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
159					Koranattukarupur-I	HUT= 1 NO	1	RAMA MIRUTHAM(BAKKIYARAJ& UTHHARAPATHY)		NOT PAID	PATTA NOT PAID	
160	125+670	125+680	10	RHS	Koranattukarupur-I	AMMAN TEMPLE	1			PAID	PAID TO CALA - EXCESS AMOUNT DISBURSED SO CALA INSTRUCTED BANK TO HOLD	
161	125+680	125+700	20	RHS	Koranattukarupur-I	BUILDING CONSTRUCTION IN BASEMENT LEVEL	1			PAID		
162					Koranattukarupur-I	HUT= 1 NO	1	KASINATHAN		PAID		
163					Koranattukarupur-I	RCC BUILDING(G+1)	1	JAYARAMAN		PAID		
164	125+730	125+785	55	RHS	Koranattukarupur-I	TOYOTO SHOW ROOM	1			PAID		
165	125+785	125+805	20	RHS	Koranattukarupur-I	RCC ROOF HOUSE	1	RAGUNATHAN, CHANDRA		PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
166	125+800	125+805	5	RHS	Koranattukarupur-I	1 HUT	1	BHASKAR RAJAM		PAID		
167	125+820	125+825	5	RHS	Koranattukarupur-I	RCC ROOF HOUSE	1	KALIMUTHU		NOT PAID		
168	125+830	125+840	10	RHS	Koranattukarupur-I	RCC ROOF HOUSE	1	MURUGAN		PAID		
169	125+840	125+850	10	RHS	Koranattukarupur-I	RCC ROOF HOUSE	1	CHANDRAKASI		PAID		
170	125+840	125+850	10	RHS	Koranattukarupur-I	RCC ROOF HOUSE	1	MADAN		PAID		
171	125+840	125+850	10	RHS	Koranattukarupur-I	RCC ROOF (CORNER ONLY)	1	RAJENDRAN		NOT PAID		
172	125+860	125+870	10	RHS	Koranattukarupur-I	TILE ROOF HOUSE	1	PUGUAL MURUGAN		NOT PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
173	125+870	125+880	10	RHS	Koranattukarupur-I	TILE ROOF HOUSE	1	PUGHALENTHI		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
174	125+880	125+890	10	RHS	Koranattukarupur-I	TILE ROOF HOUSE	1	KANAGAMMAL		NOT PAID		
175	125+890	125+900	10	RHS	Koranattukarupur-I	1 HUT,1 BATH ROOM & COMPOUNDWALL	3	CHELLAMMAL		NOT PAID		
176	126+050	126+060	10	RHS	Koranattukarupur-II	ACC ROOF HOUSE	1	VIJAYAVALLI		PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
177	126+790	126+800	10	RHS	Koranattukarupur-II	(Temple =1 No,Tiles House=1No,Ac Sheet House =1 No) -PATTA, 1 HUT	4	BALASUBRAMANIYAN, KRISHNAVENI, MARRIAMMAL		PAID		
178	127+120	127+125	5	RHS	Koranattukarupur-II	Borewell	1			Not Paid		
179	127+300	127+380	80	RHS	Koranattukarupur-II	ANUJ TILES	1			PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
180	125+790	125+800	10	LHS	Koranattukarupur-I	TILE ROOF HOUSE-1NO, RCC 1NO	2	JAYAPANDI, CHINNASAMI		PAID		 
181	125+800	125+805	5	LHS	Koranattukarupur-I	HUT	1	SELVI		PAID		
182	125+830	125+840	10	LHS	Koranattukarupur-I	SAMUTHAYAKUDAM RCC	1			Paid	Paid to BDO only,not yet paid to panchayet	
183	125+840	125+850	10	LHS	Koranattukarupur-I	HUT	1	JAYARAJ		PAID		
184	125+900	125+910	10	LHS	Koranattukarupur-I	1 HUT	1	SELVARAJ		PAID		
185	125+940	125+950	10	LHS	Koranattukarupur-I	1 HUT	1	BALU		PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
186	125+950	125+960	10	LHS	Koranattukarupur-I	HUT 3 NOS	3	ALAGUMUTHU	174/12	NOT PAID		
187	125+990	126+000	10	LHS	Koranattukarupur-I	TILE ROOF BUILDING	1	VAIRAM	174/9	NOT PAID		
188	127+000	127+010	10	LHS	Koranattukarupur-II	Borewell	2			Paid		 
189	127+170	127+180	10	LHS	Koranattukarupur-II	Workshop	1			PAID		
190	127+620	127+665	45	LHS	Koranattukarupur-II	MADANAM INN HOTEL	1			Paid		
191	127+960	127+970	10		Asoor	WEIGHING BRIDGE	1	Sakthi		Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
192	128+370	128+390	20	LHS	Perumandi	TEMPLE	1			Not Paid		
193	128+660	128+700	40	RHS	Perumandi	GRILL GATE WITH WALL	1			Paid	PATTA	
194	128+810	128+910	100	LHS	Perumandi	PETROL BUNK AREAS	1			Paid	PATTA	
195	128+990	129+000	10	LHS	Asoor	WATER SERVICE CENTRE	1			Paid	PATTA	
196	129+000	129+010	10	LHS	Asoor	VENKATESWARA GEAR SERVICE (3 NOS-SHOPS)	1			Paid	PATTA	
197	129+020	129+030	10	LHS	Asoor	VINOTH SERVICE CENTRE (3 SHOPS)	1			Paid	PATTA	
198	129+030	129+040	10	LHS	Asoor	DEVAR STATUE	1			Paid	PATTA	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
199	129+040	129+050	10	LHS	Asoor	ESWARA AUTO MOBILES	1			Paid	PATTA	
200	129+580	129+590	10	RHS	Melacauvery (Eragaram)	PASUMANGLAM MARIAMMAN TEMPLE	1			NOT PAID	Award under Process, Cheque Issued	
201	129+970	129+980	10	LHS	MOOPA KOVIL	BUILDING-RCC(G+1)	1	MUMTHAJ BEGUM		PAID	PATTA	
202	130+310	130+320	10	LHS	MOOPA KOVIL	BUILDING-RCC(G+1)	1	RAJA MOHAMMED	.9/7B,9/8B1	PAID	PATTA	
203	130+210	130+220	10	RHS	MOOPA KOVIL	G.I SHEET SHED	1	MANIKATHAMAL-LAND(STRUCTURE-ARUMUGAM	21	NOT -PAID	PATTA	
204	130+220	130+230	10	RHS	MOOPA KOVIL	HUT	1	CHINNAYAN	.9/17	NOT -PAID	58000/ -PAID	
205	130+280	130+290	10	RHS	MOOPA KOVIL	HUT	1	KANNAYAN	.9/34	NOT -PAID	PATTA	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
206	130+290	130+300	10	RHS	MOOPA KOVIL	HUT	1	MAHENDRAN-CHITRA	.9/4	NOT -PAID	LPS NOT DONE	
207	130+420	130+430	10	LHS	MOOPA KOVIL	HUT	3	GUNASEKARAN	10/5A	PAID	PORAM POKKU	  
208	130+410	130+420	10	LHS	MOOPA KOVIL	HUT	1	KASI AMMAL, DEVI	10/5A	PAID	PORAM POKKU	
209	130+440	130+450	10	LHS	MOOPA KOVIL	HUT	1	ARUL PANDIAN	10/5A	NOT -PAID	PORAM POKKU	
210	130+440	130+450	10	RHS	MOOPA KOVIL	HUT	1	RAVI	10/5A	NOT -PAID	PORAM POKKU	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
211	130+460	130+470	10	RHS	MOOPA KOVIL	HUT	1	SELVAM	10/5A	NOT -PAID	PORAM POKKU	
212	131+120	131+130	10	RHS	Baburajapuram	BUILDING	1	EASWARI(SON OF SASI)	284/3A1	NOT-PAID	PATTA	
213	131+360	131+380	20	RHS	Baburajapuram	BUILDING	1	TECHNO TORK ASSOCIATION BUILDING	283/3A	PAID	PATTA	
214	131+790	131+860	70	LHS	Baburajapuram	COMPOUND WALL & BUILDING - 5 NOS	5	.TAMILARASI, SELIATHURAI, SAMPATH, GOVINDRAJ, RANGARAJAN	.-	NOT-PAID	PATTA	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
215	132+770	132+780	10	RHS	Valayapettai	TILE ROOF,HUT & BATH ROOM	2	PANNER SELVAM,GANDHI MATHI	115/3	NOT PAID		 
216	132+570	132+590	20	LHS	Valayapettai	AC SHEET , WALL	1	SAKTHIVEL	148/3	NOT PAID		
217	133+050	133+060	10	LHS	Valayapettai	BOREWELL	1			Paid		
218	133+130	133+150	20	LHS	Valayapettai	CAR SHED	1			Paid		
219	133+180	133+195	15	LHS	Valayapettai	ATHUNACHIAMMAN TEMPLE	1			Paid		
220	133+210	133+230	20	LHS	Valayapettai	EQITIOS BULIDING	1			Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
221	133+260	133+300	40	LHS	Valayapettai	FENCING	1			Paid		
222	133+580	133+590	10	LHS	Valayapettai	HUT	1	KAMATCHI	185	NOT PAID	KALAM PORAMBOKU	
223	133+580	133+590	10	RHS	Valayapettai	PALM TREES - 4 NO.S IN FOREST LAND				NOT PAID		
224	133+585	133+645	60	LHS	Valayapettai	ANANDHA HOTEL	1		187/B,C	Not Paid	(SECOND PAYMENT PENDING)	
225	133+740	133+820	80	LHS	Valayapettai	PRECAST COMPOUND PILLER AND GATE	1			Paid		
226	134+350	134+355	5	RHS	Valayapettai	ROB-A1 SIDE open temple-trees	1			Not Paid		
227	134+750	134+790	40	LHS	Valayapettai	IRRIGATION SLUICE					TO BE SHIFTED	

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
228	138+500	138+540	40	LHS	Pateeswaram	RCC & Tile Roof	1	SHANMUGAM		Not Paid		
229	138+750	138+850	100	LHS	Thiruvalanzuli	Hut	1	RAJINI		Not Paid		
230	138+400	138+480	80	RHS	Pateeswaram		1	DHARMALINGAM	4/4A	Not Paid		
231	138+500	138+540	40	RHS	Pateeswaram		1	SHANMUGAM		Not Paid		
232	138+750	138+850	100	RHS	Thiruvalanzuli		1	RAJINI, Thakshina Murthy, Nagaraj		Not Paid		
233	139+439	139+450	11	LHS	Thiruvalanzuli	LOCAL TEMPLE , RCC GOVT BUILDING WITH TANK	1			Not Paid		

3.1. Pre-Construction Activities

Detailed Design & Drawings

The Plan and Profile, as well as the Pavement Designs for the entire 47.835 km project length has been completed and reviewed by the Independent Engineer (IE). Construction Methodology, QA & QC procedures submitted to the IE has been reviewed and accepted.

Table 3.1-1: Status of Design and Drawings-Highway

Sl. No.	Description	Unit	Total Scope as per Sch.-B	Design/ Drawings submitted	Design/ Drawings Approved
1	Pavement Design	Km	47.835	47.835	47.835
2	Plan & Profile	Km	47.835	47.835	47.835
3	Typical Cross Sections	Type	5	5	-
4	Major Intersections	No	20	-	-
5	Minor Intersections	No	22	-	-
6	Toll Plaza (a) Toll Plaza Layout, (b) Toll Building, (c) Toll Booth, (d) Toll Canopy, (e) Toll Tunnel,	No	05	03	-
7	Rest Area	No	01	-	
8	Bus Bay	No	05	-	
9	Service Roads	No	27.10	27.10	26.10

Table 3.1-2 : Status of Design and Drawings –Structures

Sr. No	Description	Unit	Total Scope as per Sch. B	Design/ Drawings Submitted	Design/ Drawings Approved
1	Major Bridges	No	06	04	03
2	Minor Bridges	No	56	56	44
3	Grade Separated Intersection	No	06	06	06
4	VUP/PUP	No	12	12	12
5	Box /Slab Culvert	No	103	103	103
6	ROB	No	01	01	GAD approved

4.1. Physical Progress of Work

The following table summarize the quantum of work achieved towards the construction of the various elements of the highway.

The Progress of the Major Works carried out at the Site in the Month of March 2020 is as follows.

CUMMULATIVE STATEMENT

For Main Carriageway

Sr. No.	Description	Total Length of Highway Excluding Toll Plaza (in. Km.)	Progress up to Previous Month (in Km)	Progress during this Month (In Km.)	Cumulative Progress Achieved up to this Month (In Km)	In Progress (In Km.)	Balance Length to be Completed	Cumulative % of Progress Achieved
1	Clearing and Grubbing							
	LHS	46.925	34.78	4.70	39.48	0	7.45	84.13%
	RHS	46.925	33.06	5.20	38.26	0	8.67	81.53%
2	Embankment							
	LHS	46.925	8.35	0.25	8.60	16.280	38.33	18.33%
	RHS	46.925	8.55	0.00	8.55	14.790	38.38	18.22%
3	Sub grade							
	LHS	46.925	3.29	1.20	4.49	0	42.44	9.57%
	RHS	46.925	5.51	1.61	7.12	0	39.81	15.17%
4	GSB/ Cement Treated Sub-Base							
	LHS	46.925	2.60	1.00	3.60	0	43.33	7.67%
	RHS	46.925	4.01	2.56	6.57	0	40.36	14.00%
5	Wet Mix Macadam							
	LHS	46.925	2.23	0.46	2.69	0	44.24	5.73%
	RHS	46.925	3.76	1.99	5.75	0	41.18	12.25%
6	Dense Bitumen Macadam							
	LHS	46.925	1.50	0.50	1.99	0	44.94	4.24%
	RHS	46.925	3.64	1.00	4.64	0	42.29	9.89%
7	Bituminous Concrete							
	LHS	46.925	0	0	0	0	46.925	0.00%
	RHS	46.925	0	0	0	0	46.925	0.00%

For Service Road

Sr. No.	Description	Total Length of Service Road (Km.)	Progress up to Previous Month (in Km)	Progress during this Month (In Km.)	Cumulative Progress Achieved up to this Month (In Km)	In Progress (In Km.)	Balance Length to be Completed	Cumulative % of Progress Achieved
1	Embankment	27.1	0	0	0	0	27.1	0.00%
2	Sub grade	27.1	0	0	0	0	27.1	0.00%
3	GSB/ Cement Treated Base	27.1	0	0	0	0	27.1	0.00%
4	Wet Mix Macadam	27.1	0	0	0	0	27.1	0.00%
5	Dense Bitumen Macadam	27.1	0	0	0	0	27.1	0.00%
6	Bituminous Concrete	27.1	0	0	0	0	27.1	0.00%

Structure Work

Sr. No.	Type of Structure	Total No. of Structures	No. of Structures		
			Completed	In Progress	Balance
1	Culvert	103	50.5	21.5	31
2	Light Vehicular Underpass	2	1	1	0
3	Vehicular Underpass	10	0	10	0
4	Minor Bridges	56	18.5	20.5	17
5	Major Bridge	5	0	2	3
6	Flyover	6	0	6	0
7	ROB	1	0	1	0

Physical Progress of Project up to March 2020 as per approved Schedule G:

Item	Stage for Payment	Unit	Qty.	Weightage in % to Contract Price	Completed up to Mar'2020	% Physical Progress
Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads)	A- Widening and strengthening of existing road					
	(1) Earthwork up to top of the sub-grade	Km.	28.70	4.26%	3.15	0.467%
	(2) Granular work (sub-base, base, shoulders)	Km.				
	(a) GSB/ Cement Treated Base	Km.	28.70	1.40%	2.29	0.112%
	(b) WMM/ Cement Treated Base	Km.	28.70	2.10%	1.87	0.137%
	(3) Shoulders	Km.	7.10	0.03%		
	(4) Bituminous work					
	(a) DBM	Km.	28.70	1.61%	1.84	0.103%
	(b) BC	Km.	28.70	1.48%		
	(5) Rigid Pavement					
	Concrete Work	Km.				
	(6) Widening and Repair of Culverts	Nos.	33	0.57%	16.25	0.282%
	(7) Widening and Repair of Minor Bridges	Nos.	3	0.38%		
	B- New realignment/bypass					
	(1) Earthwork up to top of the sub-grade	Km.	63.33	16.30%	8.46	2.178%
	(2) Granular work (sub-base, base, shoulders)	Km.				
	(a) GSB/ Cement Treated Base	Km.	62.13	3.39%	7.85	0.429%
	(b) WMM/ Cement Treated Base	Km.	62.13	3.83%	6.57	0.405%
	(3) Shoulders	Km.	48.19	0.10%		
	(4) Bituminous work					
	(a) DBM	Km.	62.13	3.48%	4.78	0.268%
	(b) BC	Km.	62.13	3.21%		
	(5) Rigid Pavement					
	Concrete Work	Km				
	C- New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:					

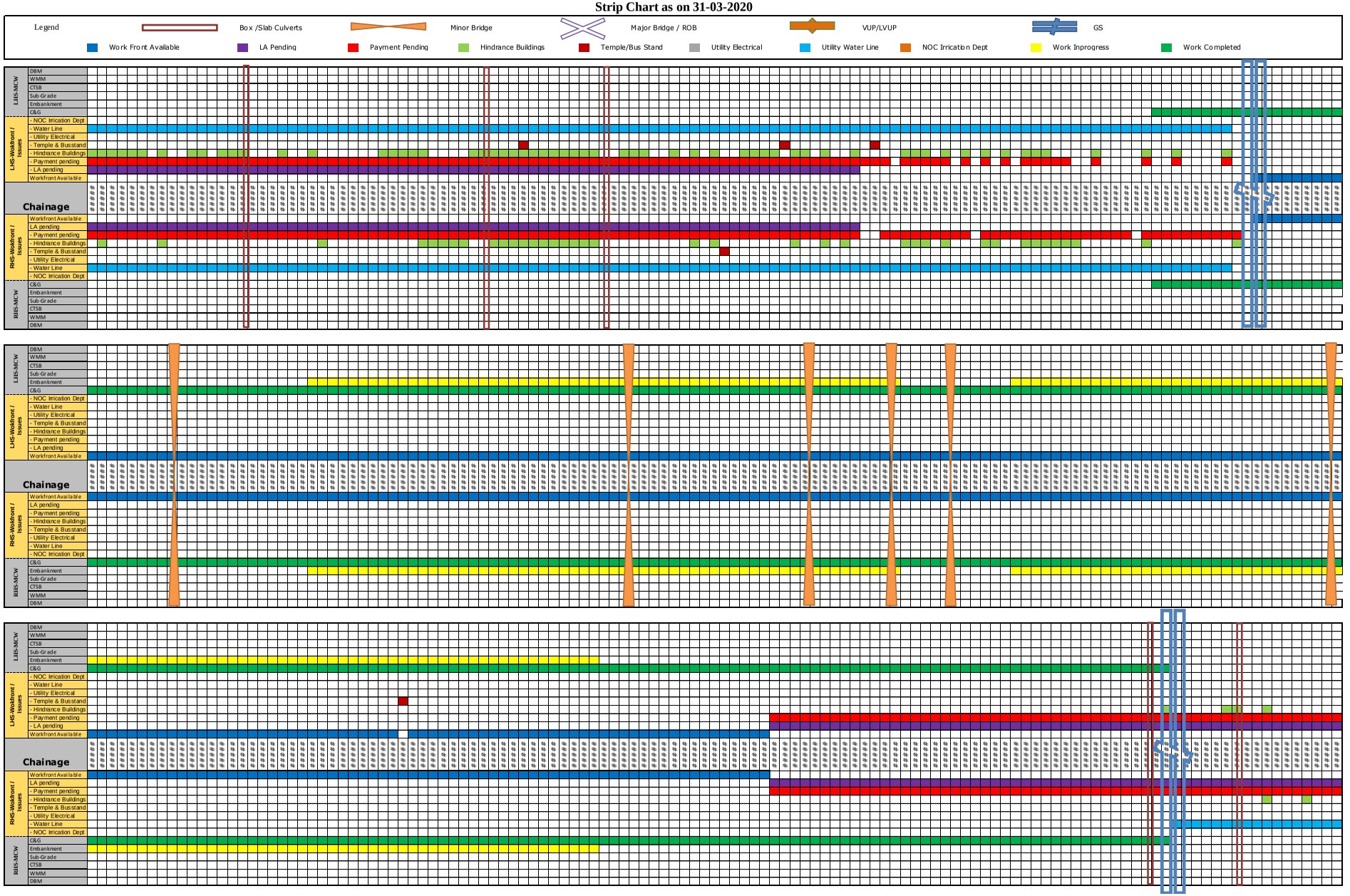
Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads)	(1) Culverts	Nos.	70	5.95%	28.95	2.459%
	(2) Minor bridges					
	(i) Foundation	Nos.	170	6.71%	67.50	2.665%
	(ii) Substructure	Nos.	270	3.50%	91.50	1.185%
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	142	3.78%	34.30	0.912%
	(3) Cattle/Pedestrian underpasses					
	(i) Foundation	Nos.	4	0.15%	4.00	0.150%
	(ii) Substructure	Nos.	8	0.08%	4.00	0.042%
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	4	0.06%	2.00	0.028%
	(4) Pedestrian overpasses					
	(i) Foundation	Nos.				
	(ii) Substructure	Nos.				
	(iii) Superstructure (including crash barrier etc. complete)	Nos.				
	(5) Grade separated structures					
	(a) Underpass (10 VUP)					
	(i) Foundation	Nos.				
	(i) Piles	Nos.	240	1.46%	240.00	1.457%
	(i) Pile Cap	Nos.	40	1.04%	30.00	0.781%
	(ii) Substructure	Nos.	40	0.91%	22.00	0.500%
	(iii) Girder Casting	Nos.	100	0.45%	73.00	0.331%
	(v) Superstructure (including crash barrier etc. complete)	Nos.	20	0.68%		
	(c) Vehicular Overpass (VOP)					
	(i) Foundation	Nos.				
	(ii) Substructure	Nos.				
	(iii) Superstructure (including crash barrier etc. complete)	Nos.				
	(c) Flyover					
	(i) Foundation	Nos.	24			
	(i) Piles	Nos.	144	1.36%	131.00	1.238%
	(i) Pile Cap	Nos.	24	0.89%	20.00	0.741%
	(ii) Substructure	Nos.	24	0.82%	6.00	0.205%
	(ii) Girder Casting	Nos.	60	0.43%	27.00	0.193%
	(v) Superstructure (including crash barrier etc. complete)	Nos.	12	0.59%		
Major Bridge works and ROB/RUB	Major Bridge works and ROB/RUB					
	A- Widening and Repair of Minor Bridges					
	(1) Foundations					
	(a) Open Foundation	Nos.				
	(b) Pile foundation/ well foundation	Nos.				
	(2) Substructure	Nos.				
	(3) Superstructure (including crash barrier etc. complete)	Nos.				
	C- New Major Bridges					
	(1) Foundations					

	(a) Open Foundation	Nos.				
	(b) Pile foundation/ well foundation	Nos.				
	(i) Piles	Nos.	468	1.47%	110.00	0.345%
	(ii) Pile Cap	Nos.	76	0.71%		
	(2) Substructure	Nos.	76	1.23%		
	(ii) Girder Casting	Nos.	230	0.42%		
	(3) Superstructure (including crash barrier etc. complete)	Nos.	62	1.07%		
	D- New rail-road bridges					
	(a) ROB					
	(i) Foundation	Nos.				
	(i) Piles	Nos.	40	0.71%	24.00	0.423%
	(i) Pile Cap	Nos.	8	0.79%	3.00	0.298%
	(ii) Substructure	Nos.	8	0.80%		
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	6	1.49%		
Structures (elevated sections, reinforced earth)	Structures (elevated sections, reinforced earth)					
	(1) Foundation	Nos.				
	(2) Substructure	Nos.				
	(3) Superstructure (including crash barrier etc. complete)	Nos.				
	(4) Reinforced earth Wall (includes Approaches of ROB, Underpasses, Overpasses,Flyover etc.)					
	(a) Casting of RS Wall Facia		179469	2.26%	1,18,853.64	1.494%
	(b) Erection of RS Wall Facia		179469	5.26%		
Other Works	Other Works					
	(i) Service roads/ Slip Roads	Km	27.10	3.86%		
	(ii) Toll Plaza	Nos.	1	1.38%		
	(iii) Road side drains	Km	12.08	1.64%	0.19	0.026%
	(iv) Road signs, markings, km stones, safety devices, ...					
	(a) Road signs, markings, km stones, ...	Km	95.67	2.02%		
	(b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work	Km				
	(i) Concrete Crash Barrier	Km	25.42	2.01%		
	(ii) W-Beam Crash Barrier	Km	32.75	0.70%		
	(v) Project facilities					
	(a) Bus Bays	No.	20	0.01%		
	(b) Truck Lay-byes	No.				
	(b) Rest areas	No.	2	0.22%		
	(vi)Repairs to bridges/structures	Nos.	4	0.01%		
	(vii) Road side plantation	Km	22.54	0.61%		
	(viii) Protection works					
	(a) Boulder pitching on slopes	Km	32.75	0.19%		
	(b) Toe/Retaining wall	Km				
	(x) Miscellaneous	Ls.	100%	0.150%	51%	0.076%
	Total			100.00%		19.929%

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

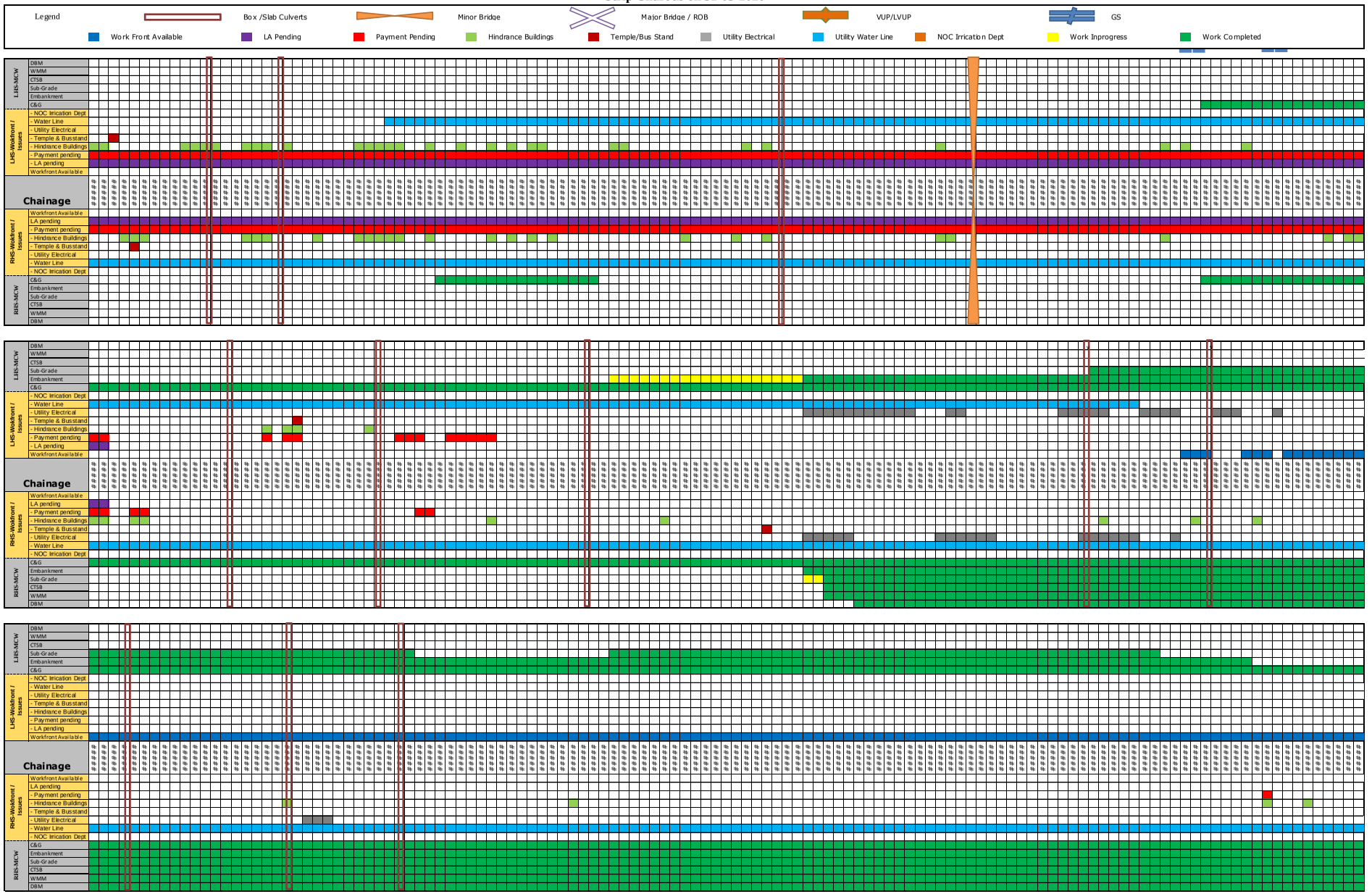
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

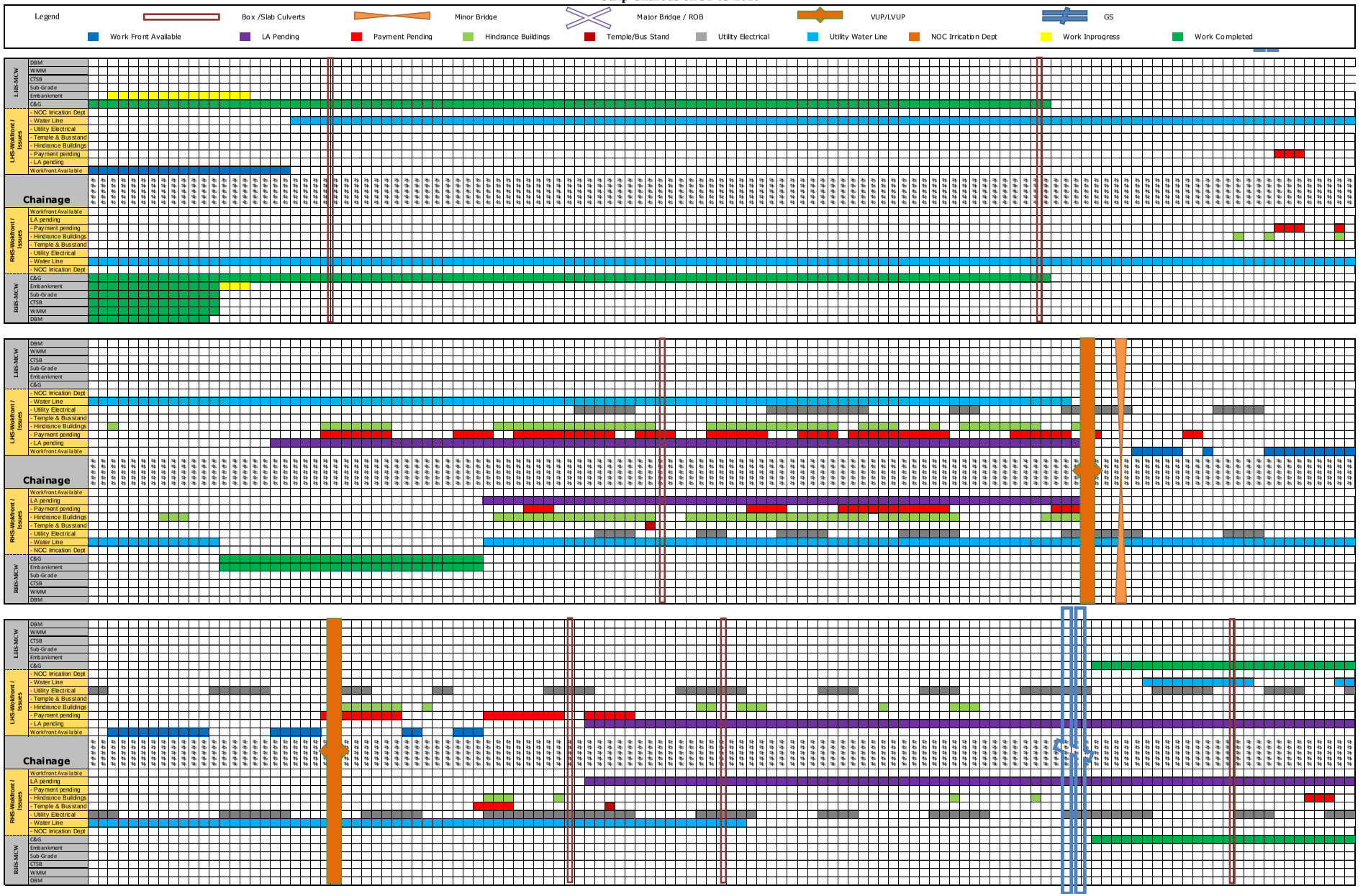
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

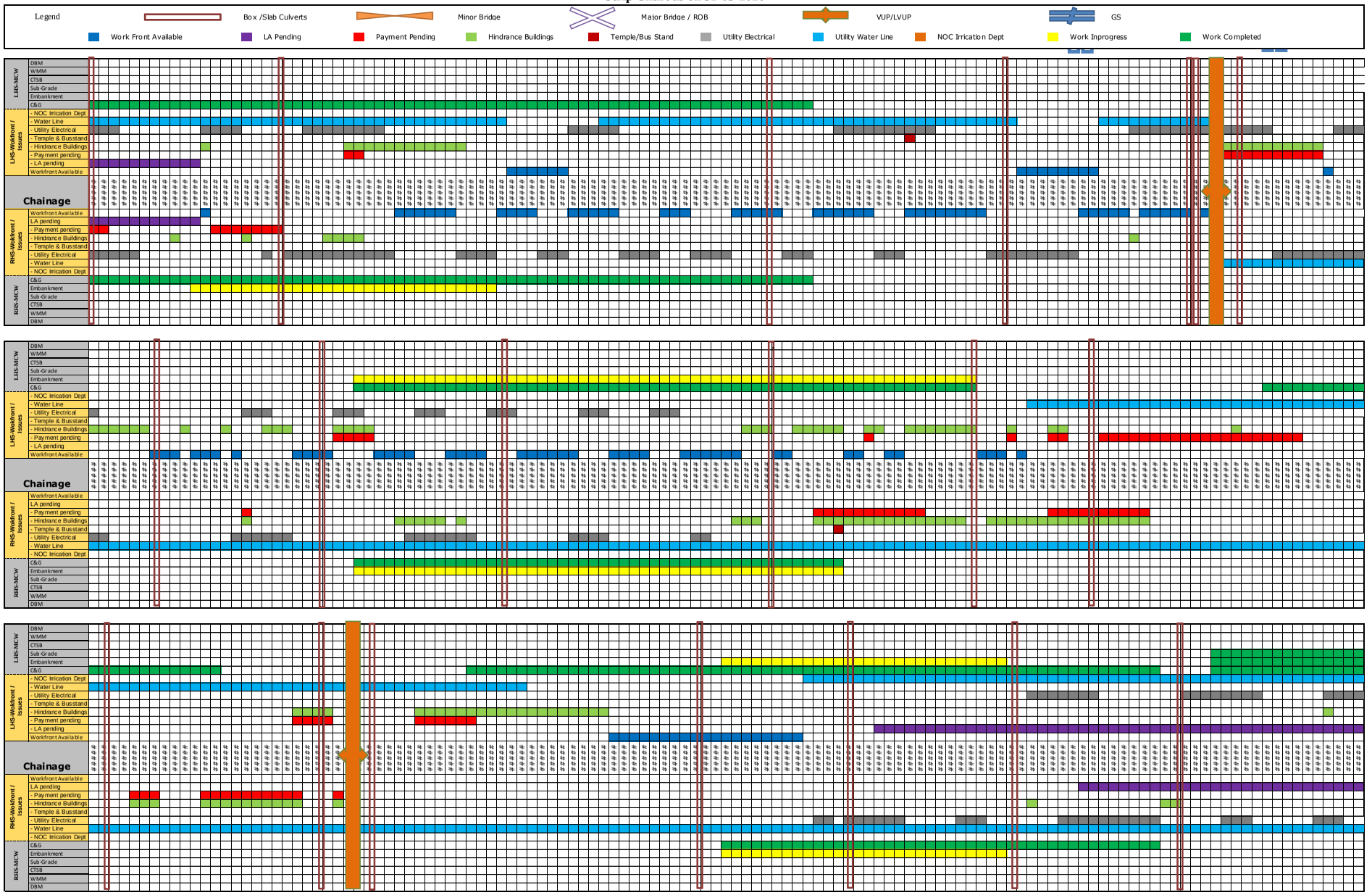
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

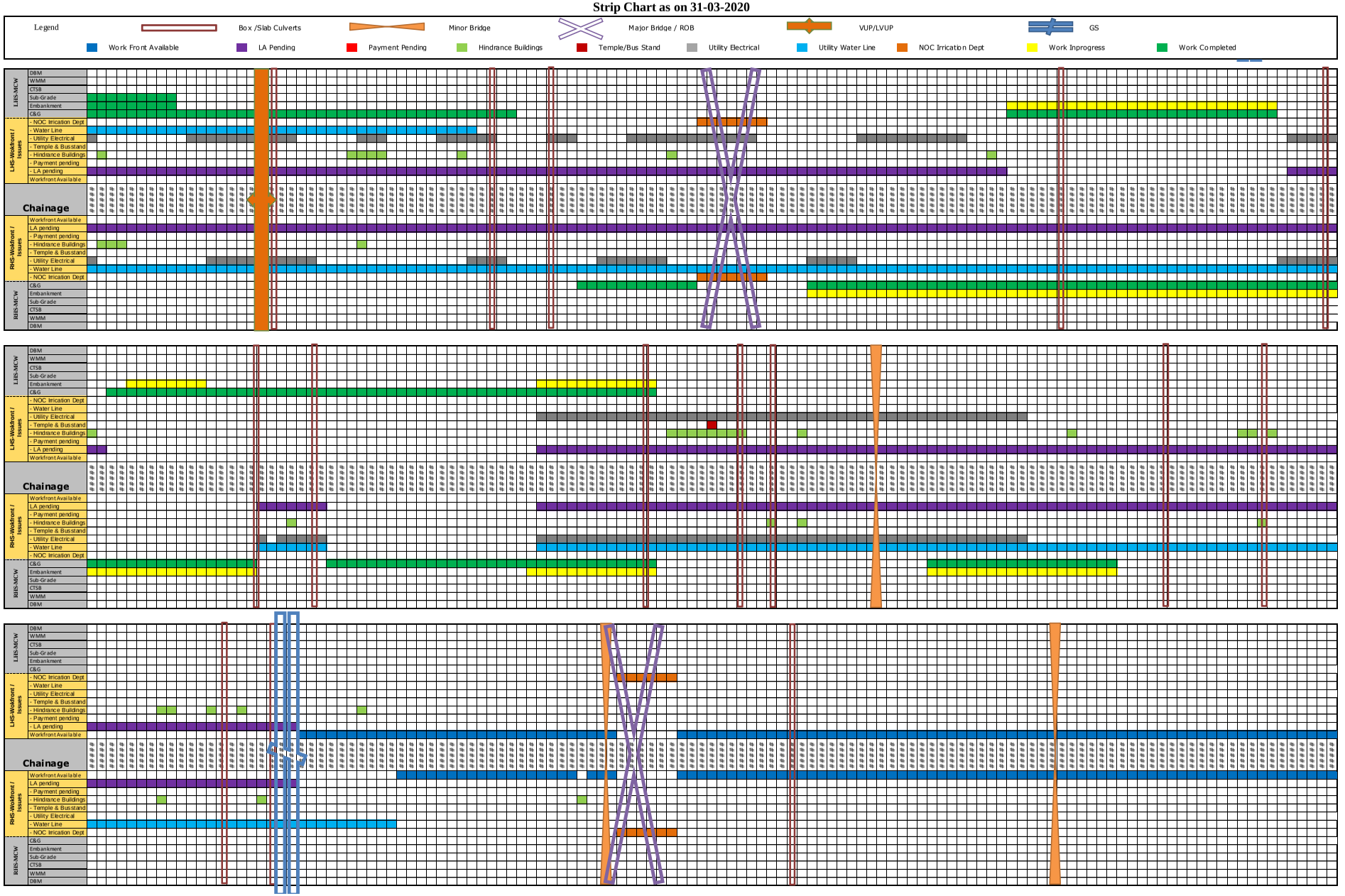
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

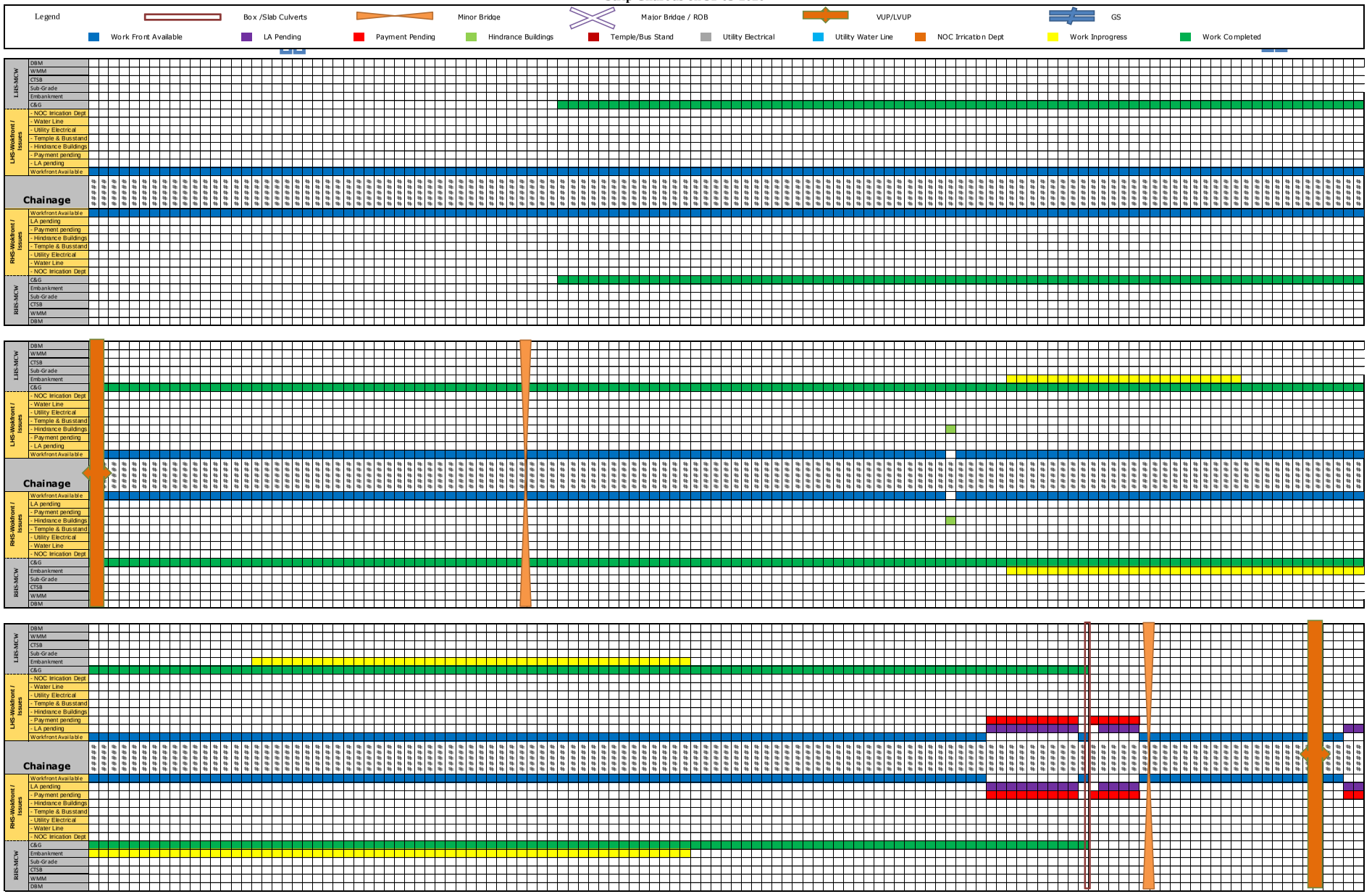
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

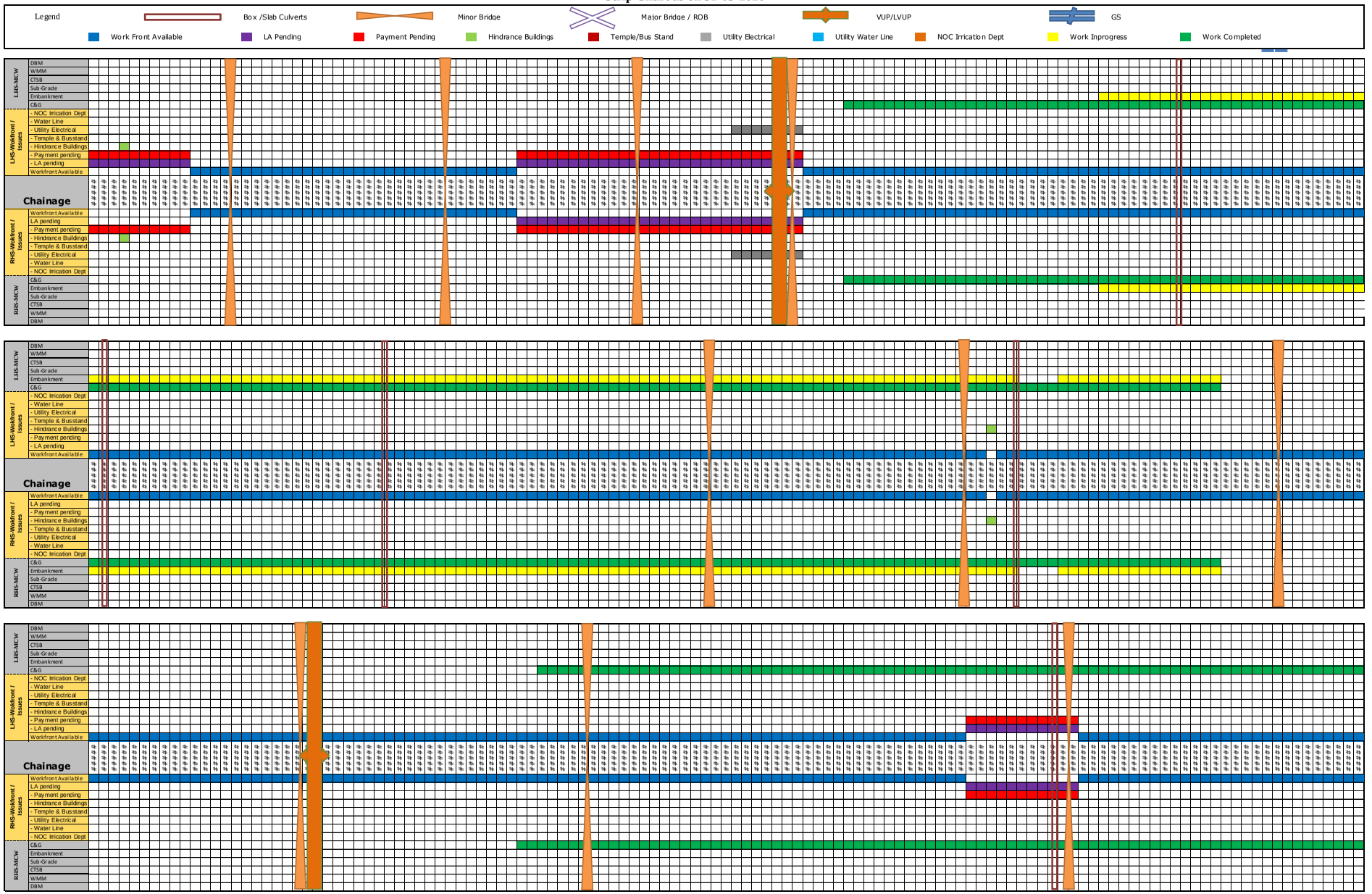
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

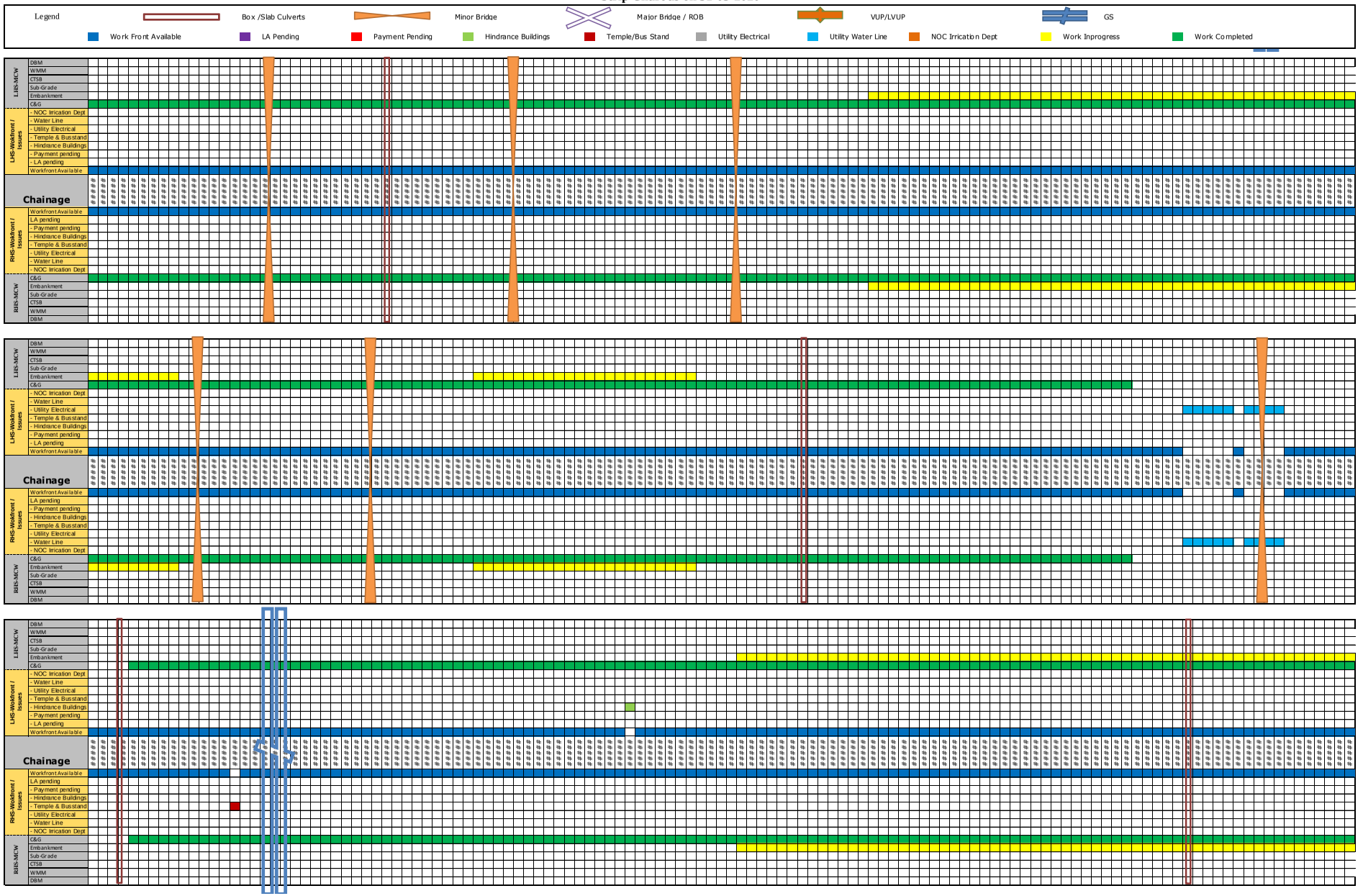
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

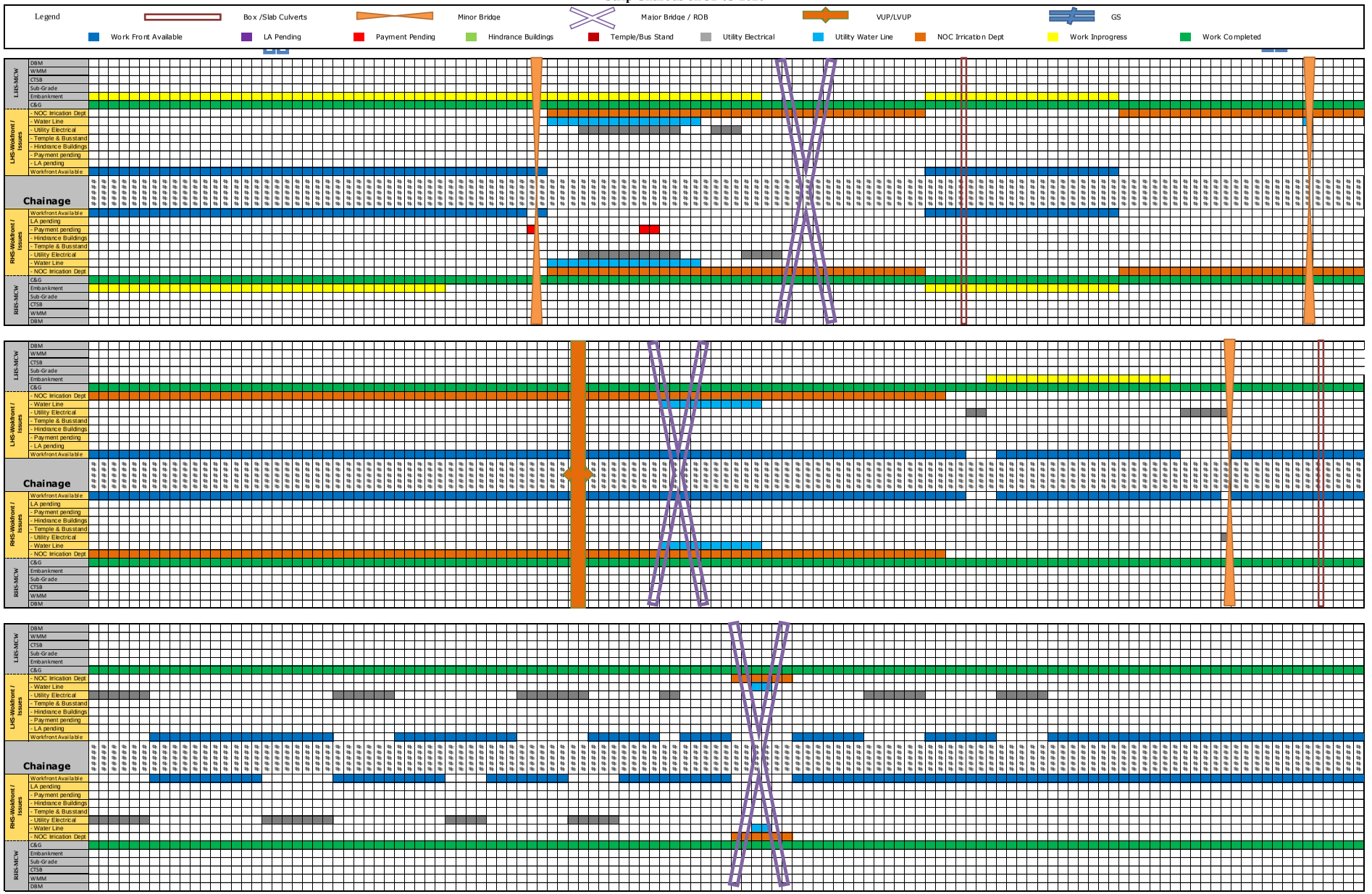
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

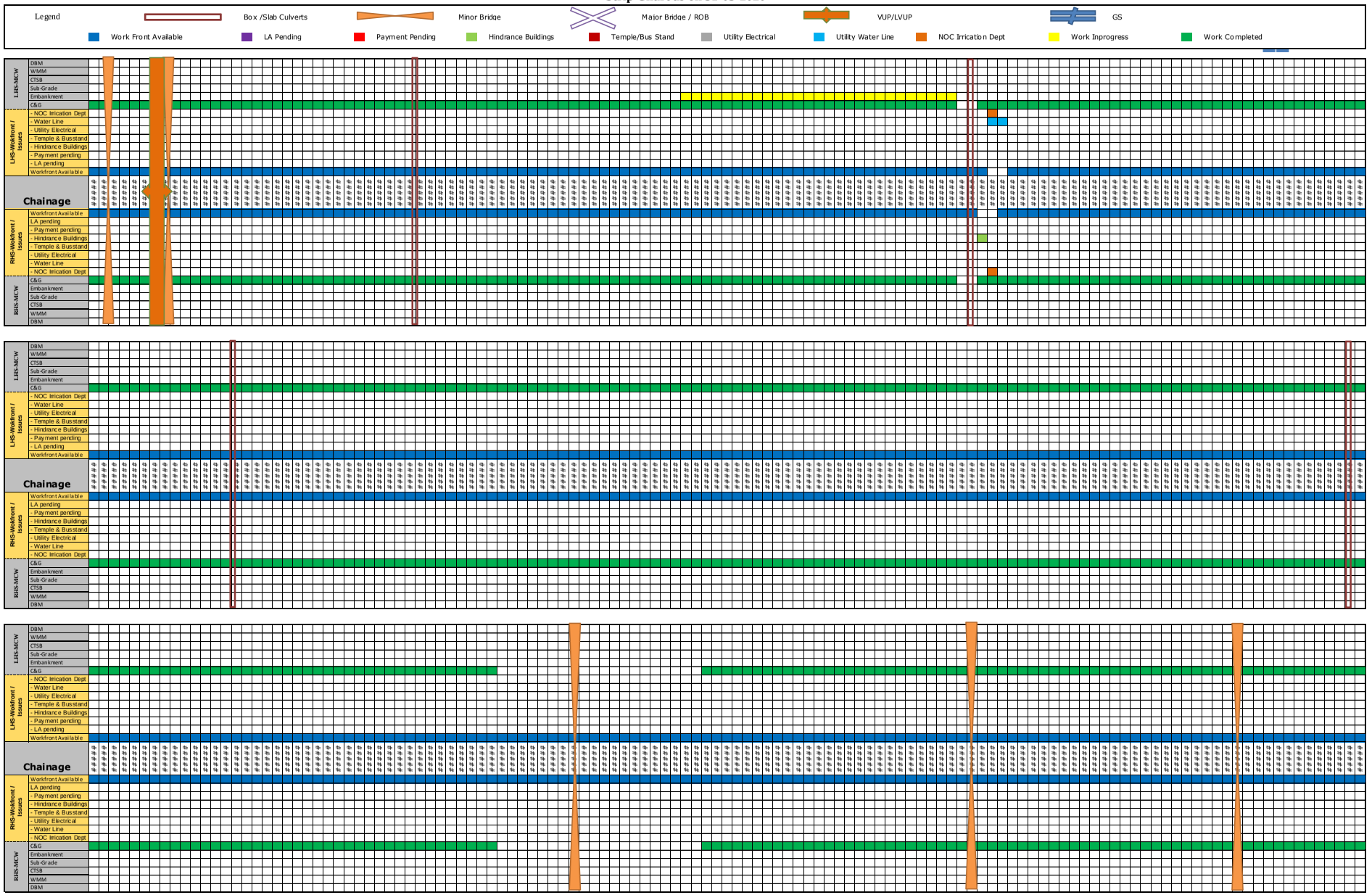
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

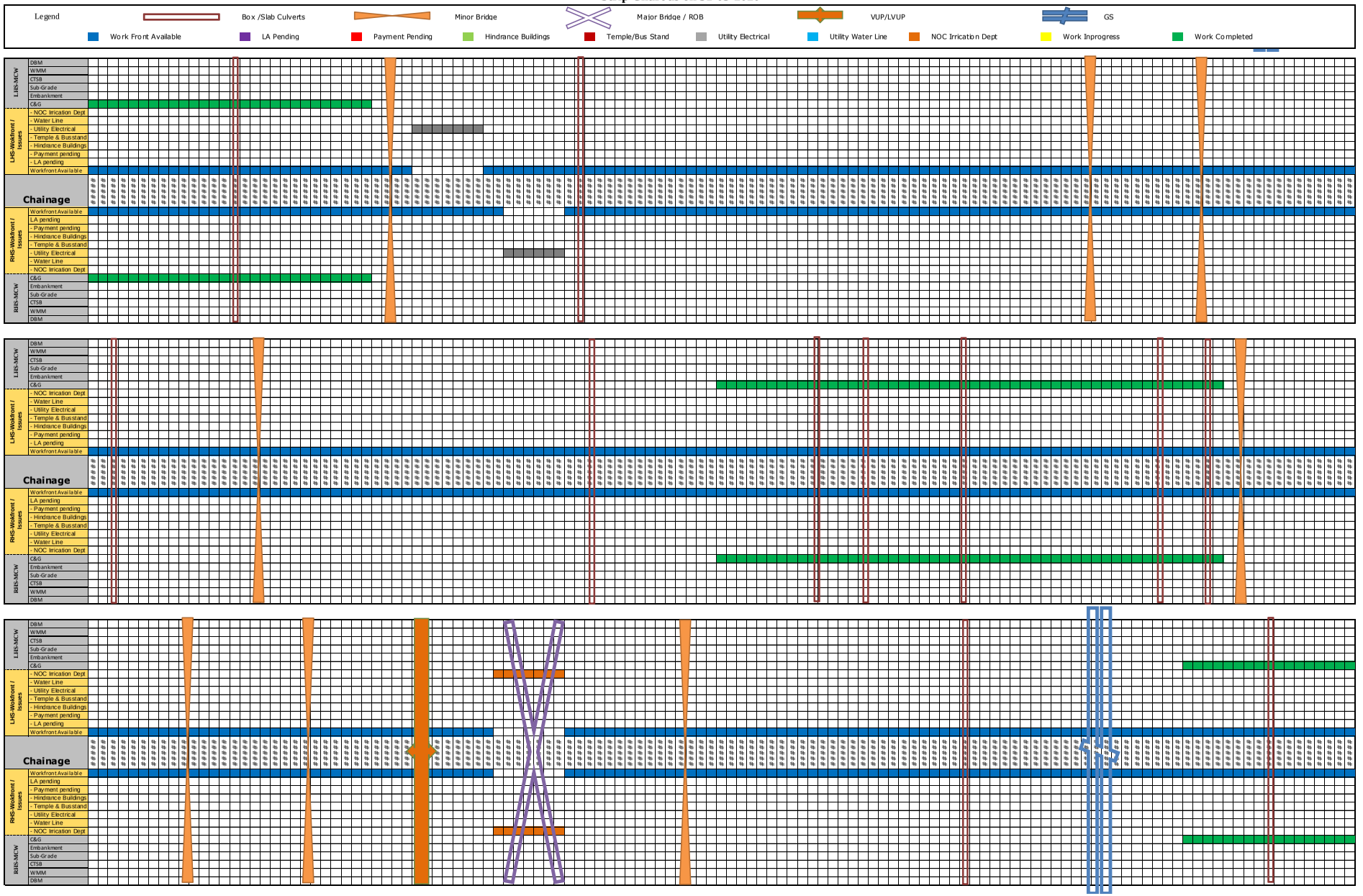
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

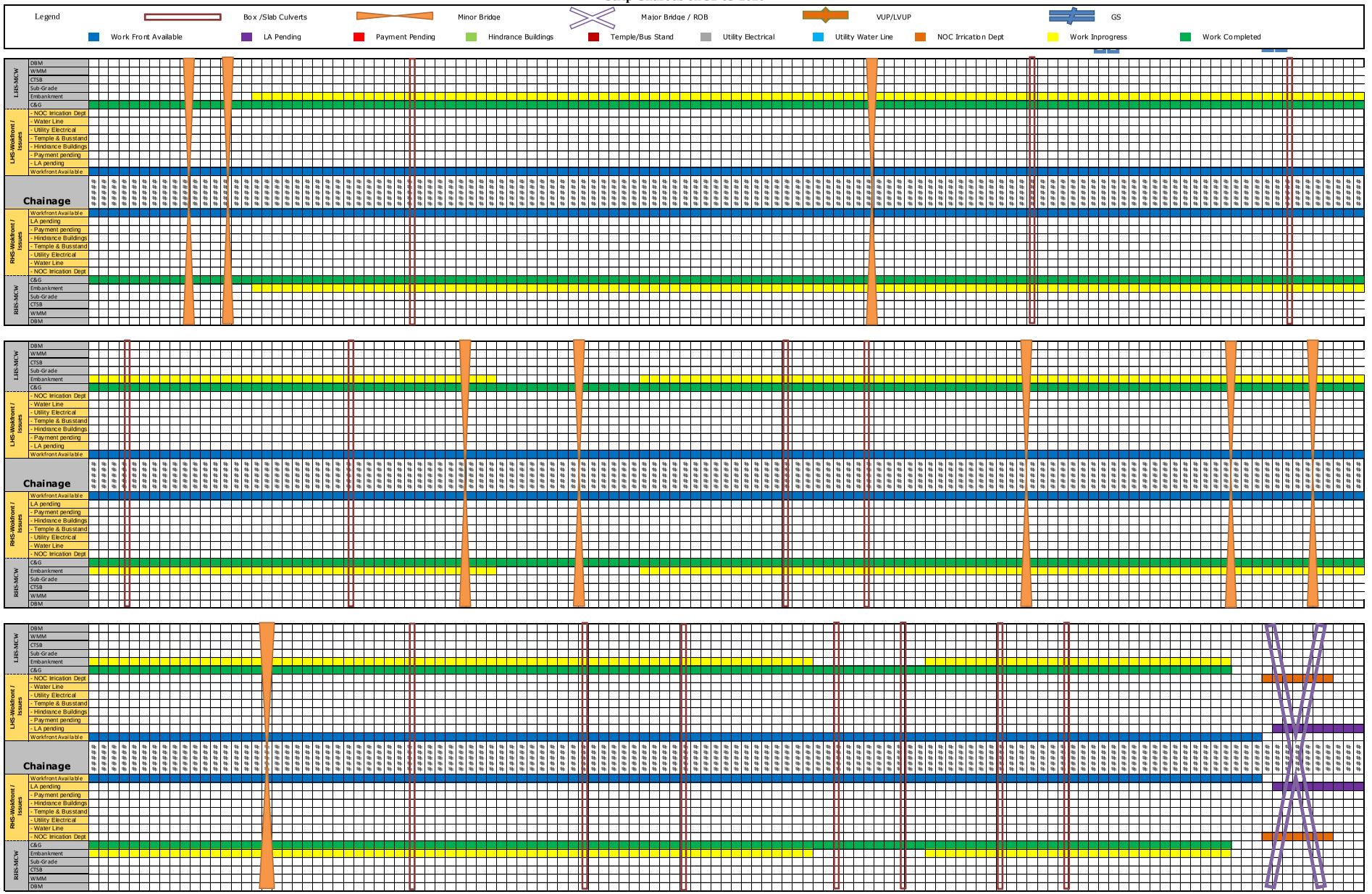
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

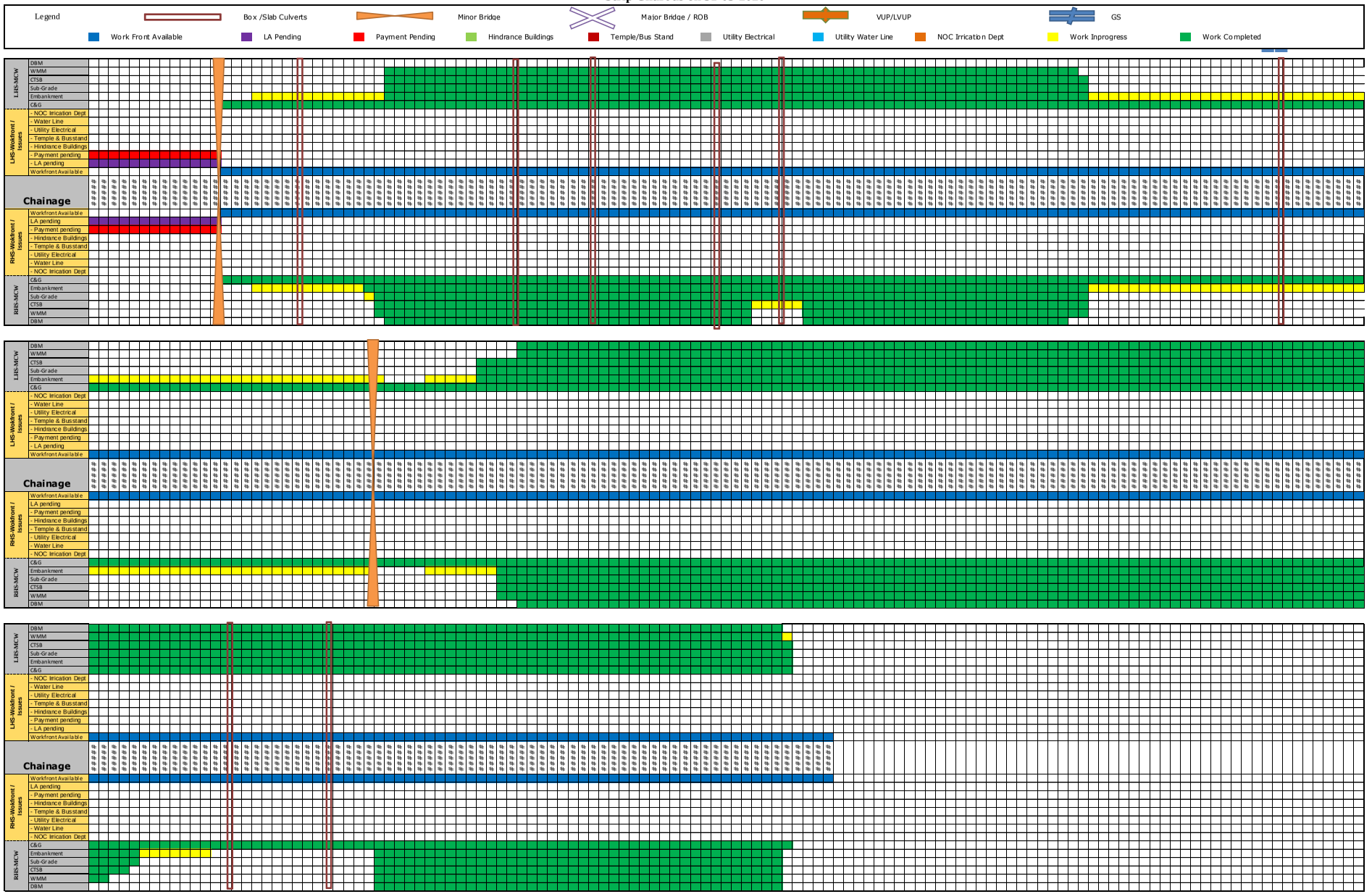
Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Cholopuram - Thanjavur Project

Strip Chart as on 31-03-2020



Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 1 : Strip Chart for status of Box Culverts on Existing Road (Main Carriageway)

IN PROGRESS — COMPLETED

MPR MARCH 2020

Sr. No.	Design Chainage As per CA	Revised Design Chainage	Number and Length of Spans (m)	Remarks (As per Schd B)	Type of Existing Structure	LHS: Protection Work	LHS: Return Wall & Parapet	LHS: Slab	LHS: Wall	LHS: Raft	LHS: PCC	LHS: Granular Filling	LHS: Excavation	RHS: Excavation	RHS: Granular Filling	RHS: PCC	RHS: Raft	RHS: Wall	RHS: Slab	RHS: Return Wall & Parapet	RHS: Protection Work
1	116.602		1 x 2.0m	Widening	Slab Culvert																
2	116.837		1 x 2.0m	Widening	Slab Culvert																
3	116.954		1 x 1.6m	Widening	Slab Culvert																
4	120.068		1 x 3.0	Reconstruction	Slab Culvert																
5	120.280		1 x 1.5	Reconstruction	Slab Culvert																
6	120.346		1 x 1.5	Reconstruction	Box Culvert																
7	120.836		1 x 2.0m	Widening	Box Culvert																
8	121.540		1 x 3.0m	Widening	Slab Culvert																
9	121.683	121.693	1 x 1.5m	Widening	Slab Culvert																
10	121.885	121.895	2 x 1.0m	Widening	Pipe Culvert																
11	122.375	122.385	1 x 1.0m	Widening	Pipe Culvert																
12	122.497	122.508	2 x 1.0m	Widening	Pipe Culvert																
13	122.678	122.688	2 x 1.0m	Widening	Pipe Culvert																
14	122.835	122.845	1 x 3.0m	Widening	Slab Culvert																
15	122.943	122.952	2 x 1.0m	Widening	Pipe Culvert																
16	124.118	124.120	1 x 1.5m	Widening	Slab Culvert																
17	124.820	124.823	1 x 1.0m	Widening	Pipe Culvert																
18	125.682		1 x 1.5m	Widening	Slab Culvert																
19	126.836	126.854	1 x 3.0	Reconstruction	Slab Culvert																
20	126.987		1 x 2.0	Reconstruction	Slab Culvert																
21	127.488	127.498	1 x 1.2	Reconstruction	Pipe Culvert																
22	127.600	127.612	3 x 1.2	Reconstruction	Pipe Culvert																
23	127.788	127.800	1 x 0.9m	Widening	Pipe Culvert																
24	128.267	128.279	1 x 0.9m	Widening	Pipe Culvert																
25	128.494	128.505	1 x 1.2	Reconstruction	Pipe Culvert																
26	128.675		1 x 2.0	Reconstruction	Box Culvert																
27	128.682		1 x 2.0	Reconstruction	Slab Culvert																
28	128.727		3 x 1.2	Reconstruction	Pipe Culvert																
29	128.904	128.916	1 x 1.2	Reconstruction	Pipe Culvert																
30	129.067	129.079	1 x 1.2	Reconstruction	Pipe Culvert																
31	129.246	129.260	1 x 0.9m	Widening	Pipe Culvert																
32	129.507	129.519	1 x 3.0m	Widening	Slab Culvert																
33	129.707		1x2.5m	Widening	Slab Culvert																
34	129.823	129.835	1 x 0.9m	Widening	Pipe Culvert																
35	130.096		1 x 1.2	Reconstruction	Pipe Culvert																
36	130.307	130.318	1 x 1.5	Reconstruction	Slab Culvert																
37	130.357	130.368	1 x 1.5	Reconstruction	Slab Culvert																
38	130.680	130.693	2 x 1.2	Reconstruction	Pipe Culvert																
39	130.827	130.839	1 x 0.9m	Widening	Pipe Culvert																
40	130.989		1 x 3.0m	Widening	Slab Culvert																
41	131.146	131.159	1 x 0.9m	Widening	Pipe Culvert																
42	131.505		1 x 3.0	Reconstruction	Slab Culvert																
43	131.722	131.733	1 x 1.2	Reconstruction	Pipe Culvert																
44	131.780	131.792	1 x 1.2	Reconstruction	Pipe Culvert																
45	132.300	132.318	1 x 3.0m	Widening	Slab Culvert																
46	132.557	132.571	1 x 3.0m	Widening	Slab Culvert																
47	132.730	132.742	1 x 3.0m	Widening	Slab Culvert																
48	132.789	132.803	1 x 2.0m	Widening	Slab Culvert																
49	133.115	133.128	1 x 5.0m	Widening	Slab Culvert																
50	133.210	133.222	1 x 2.0m	Widening	Slab Culvert																
51	133.240	133.268	1 x 0.9m	Widening	Pipe Culvert																
52	133.635	133.579	1 x 2.0	Reconstruction	Slab Culvert																
53	133.734	133.748	1 x 2.0	Reconstruction	Slab Culvert																
54	133.935		1 x 1.2	Reconstruction	Pipe Culvert																
55	133.987		1 x 1.5	Reconstruction	Slab Culvert																
56	163.700	163.700	2 x 0.9m	Widening	Pipe Culvert																
57	163.793	163.794	1 x 0.9m	Widening	Pipe Culvert																

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 1 : Strip Chart for status of Box Culverts on Existing Road (Service Road)

IN PROGRESS — COMPLETED

MPR MARCH 2020

Sr. No.	Design Chainage As per CA	Revised Design Chainage	Number and Length of Spans (m)	Remarks (As per Schd B)	Type of Existing Structure	LHS: Protection Work	LHS: Return Wall & Parapet	LHS: Slab	LHS: Wall	LHS: Raft	LHS: PCC	LHS: Granular Filling	LHS: Excavation	RHS: Excavation	RHS: Granular Filling	RHS: PCC	RHS: Raft	RHS: Wall	RHS: Slab	RHS: Return Wall & Parapet	RHS: Protection Work
1	120.068	120.068	1 x 3.0	Reconstruction	Slab Culvert																
2	120.280	120.288	1 x 1.5	Reconstruction	Slab Culvert																
3	120.346	120.356	1 x 1.5	Reconstruction	Box Culvert																
4	126.836	126.829	1 x 3.0	Reconstruction	Slab Culvert																
5	126.987	127.007	1 x 2.0	Reconstruction	Slab Culvert																
6	127.488	127.433	1 x 1.2	Reconstruction	Pipe Culvert																
7	127.600	127.612	3 x 1.2	Reconstruction	Pipe Culvert																
8	128.494	128.504	1 x 1.2	Reconstruction	Pipe Culvert																
9	128.675	128.667	1 x 2.0	Reconstruction	Box Culvert																
10	128.682	128.674	1 x 2.0	Reconstruction	Slab Culvert																
11	128.727	128.738	3 x 1.2	Reconstruction	Pipe Culvert																
12	128.904	128.916	1 x 1.2	Reconstruction	Pipe Culvert																
13	129.067	129.079	1 x 1.2	Reconstruction	Pipe Culvert																
14	130.096	130.109	1 x 1.2	Reconstruction	Pipe Culvert																
15	130.307	130.318	1 x 1.5	Reconstruction	Slab Culvert																
16	130.357	130.369	1 x 1.5	Reconstruction	Slab Culvert																
17	130.680	130.692	2 x 1.2	Reconstruction	Pipe Culvert																
18	131.146	131.159	1 X 0.9	Widening	Pipe Culvert																
19	131.505	131.516	1 x 3.0	Reconstruction	Slab Culvert																
20	131.722	131.732	1 x 1.2	Reconstruction	Pipe Culvert																
21	131.780	131.791	1 x 1.2	Reconstruction	Pipe Culvert																
22	133.635	133.579	1 x 2.0	Reconstruction	Slab Culvert																
23	133.734	133.747	1 x 2.0	Reconstruction	Slab Culvert																
24	133.935	133.938	1 x 1.2	Reconstruction	Pipe Culvert																
25	133.987	133.979	1 x 1.2	Reconstruction	Pipe Culvert																

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 2 : Strip Chart for status of Box Culverts on Bypass (Main Carriageway)

IN PROGRESS — COMPLETED

MPR MARCH 2020

Sr. No.	Design Chainage As per CA	Revised Design Chainage	Number and Length of Spans (m)	Remarks	Type of Structure	LHS: Protection Work	LHS: Return Wall & Parapet	LHS: Slab	LHS: Wall	LHS: Raft	LHS: PCC	LHS: Granular Filling	LHS: Excavation	RHS: Excavation	RHS: Granular Filling	RHS: PCC	RHS: Raft	RHS: Wall	RHS: Slab	RHS: Return Wall & Parapet	RHS: Protection Work
1	119.971	119.879	1 x 1.5	Reconstruction	Slab Culvert																
2	134.500	134.514	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
3	138.492	138.523	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
4	139.827	139.856	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
5	140.010	140.040	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
6	140.292	140.322	1 x 3.0m x 2.0m	New Costruction	Box Culvert																
7	140.911	140.945	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
8	142.189	142.048	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
9	142.776	142.812	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
10	144.426	144.500	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
11	146.049	146.079	1 x 3.0m x 2.0m	New Costruction	Box Culvert																
12	147.060	147.093	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
13	148.650	148.650	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
14	150.237	150.265	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
15	150.780		1 x 4.0m x 2.0m	New Costruction	Box Culvert																
16	152.390		1 x 4.0m x 2.0m	New Costruction	Box Culvert																
17	153.781		1 x 2.0m x 2.0m	New Costruction	Box Culvert																
18	154.129		1 x 4.0m x 2.0m	New Costruction	Box Culvert																
19	154.900		1 x 3.0m x 2.0m	New Costruction	Box Culvert																
20	155.381		1 x 3.0m x 2.0m	New Costruction	Box Culvert																
21	155.601		1 x 4.0m x 2.0m	New Costruction	Box Culvert																
22	155.645		1 x 3.0m x 2.0m	New Costruction	Box Culvert																
23	155.743		1 x 2.0m x 2.0m	New Costruction	Box Culvert																
24	155.938		1 x 4.0m x 2.0m	New Costruction	Box Culvert																
25	156.984		1 x 3.0m x 2.0m	New Costruction	Box Culvert																
26	157.283	157.310	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
27	157.678	157.701	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
28	158.283	158.310	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
29	158.531	158.558	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
30	158.639	158.665	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
31	158.852	158.822	1 x 5.0m x 2.0m	New Costruction	Box Culvert																
32	159.282		1 x 4.0m x 2.0m	New Costruction	Box Culvert																
33	159.361	159.385	1 x 3.0m x 2.0m	New Costruction	Box Culvert																
34	160.157		1 x 4.0m x 2.0m	New Costruction	Box Culvert																
35	160.326		1 x 3.0m x 2.0m	New Costruction	Box Culvert																
36	160.420		1 x 2.0m x 2.0m	New Costruction	Box Culvert																
37	160.572	160.594	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
38	160.635	160.658	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
39	160.733		1 x 2.0m x 2.0m	New Costruction	Box Culvert																
40	160.798	160.850	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
41	161.288	161.310	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
42	161.499	161.501	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
43	161.573	161.595	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
44	161.693	161.717	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
45	161.757	161.759	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
46	162.243	162.255	1 x 4.0m x 2.0m	New Costruction	Box Culvert																

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 2 : Strip Chart for status of Box Culverts on Bypass (Service Road)

IN PROGRESS | COMPLETED

MPR MARCH 2020

Sr. No.	Design Chainage As per CA	Revised Design Chainage	Number and Length of Spans (m)	Remarks	Type of Structure	LHS								RHS							
						Protection Work	Return Wall & Parapet	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Return Wall & Parapet	Protection Work
1	119.971	119.978	1 x 1.5	Reconstruction	Slab Culvert																
2	134.500	134.515	1 x 2.0m x 2.0m	New Costruction	Box Culvert																
3	138.492	138.503	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
4	144.426	144.500	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
5	150.237	150.268	1 x 4.0m x 2.0m	New Costruction	Box Culvert																
6	156.984	156.991	1 x 3.0m x 2.0m	New Costruction	Box Culvert																
7	157.283	157.289	1 x 4.0m x 2.0m	New Costruction	Box Culvert																

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 3 : Strip Chart for status of MNB - Box (Main Carriageway)

IN PROGRESS — COMPLETED

MPR MARCH 2020

						LHS								RHS							
Sr. No.	Design Chainage As per CA	Revised Chainage	Number and Length of Spans (m)	Type of Structure	Stretch	Protection Work	Retaing Wall + CB	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Retaing Wall + CB	Protection Work
MNB IN EXISTING LENGTH																					
1	121.024		1 x 6.0m	MNBB	Existing																
2	122.046		3 x 7.5m	MNBB	Existing																
MNB IN BYPASS																					
1	117.764	117.764	2 x 10.0m	MNBB	Bypass																
2	118.217	118.110	1 x 8.0m	MNBB	Bypass																
3	118.400	119.570	1 x 6.0m	MNBB	Bypass																
4	118.480	118.480	1 x 6.0m	MNBB	Bypass																
5	118.539	118.548	1 x 8.0m	MNBB	Bypass																
6	118.919	119.100	1 x 6.0m	MNBB	Bypass																
7	126.134		2 X 10.0m	MNBB	Bypass																
8	134.320		2x 10.0m	MNBB	Bypass																
9	134.770	134.774	1 x 10.0m	MNBB	Bypass																
10	136.705	136.738	1 x 6.0m	MNBB	Bypass																
11	138.555	138.585	1 x 6.0m	MNBB	Bypass																
12	138.901	138.935	6 x 7.5m	MNBB	Bypass																
13	139.105	139.138	2 x 15m	MNBB	Bypass																
14	139.299	139.335	4 x 7.5m	MNBB	Bypass																
15	139.453		1 x 7.0m	MNBB	Bypass																
16	140.605	140.637	1 x 6.0m	MNBB	Bypass																
17	140.860	140.892	1 x 8.0m	MNBB	Bypass																
18	141.164	141.145	1 x 10.0m	MNBB	Bypass																
19	141.445		1 x 8.0m	MNBB	Bypass																
20	141.727	141.760	1 x 8.0m	MNBB	Bypass																
21	142.204	142.235	1 x 8.0m	MNBB	Bypass																
22	142.657	142.687	1 x 6.0m	MNBB	Bypass																
23	142.897	142.932	2 x 8.0m	MNBB	Bypass																
24	143.115	143.136	6 x 7.5m	MNBB	Bypass																
25	143.823	143.852	2 x 8.0m	MNBB	Bypass																
26	144.000	143.995	2 x 10.0m	MNBB	Bypass																
27	146.639		1 x 10.0m	MNBB	Bypass																
28	147.396	147.426	1 x 8.0m	MNBB	Bypass																
29	148.560	148.592	1 x 8.0m	MNBB	Bypass																
30	144.880	144.916	4 x 7.5m	MNBB	Bypass																
31	149.940	149.962	1 x 10.0m	MNBB	Bypass																
32	149.997		1 x 6.0m	MNBB	Bypass																
33	152.876		2 x 10.0m	MNBB	Bypass																
34	153.263	153.287	1 x 10.0m	MNBB	Bypass																
35	153.528	153.557	1 x 6.0m	MNBB	Bypass																
36	153.939	153.968	1 x 10.0m	MNBB	Bypass																
37	154.626	154.659	1 x 6.0m	MNBB	Bypass																
38	154.739	154.764	1 x 10.0m	MNBB	Bypass																
39	155.049	155.082	2 x 7.5m	MNBB	Bypass																
40	156.014	156.040	1 x 8.0m	MNBB	Bypass																
41	156.216	156.244	1 x 6.0m	MNBB	Bypass																
42	156.336	156.366	1 x 6.0m	MNBB	Bypass																
43	156.707		1 x 10.0m	MNBB	Bypass																
44	157.458	157.485	1 x 7.0m	MNBB	Bypass																
45	157.494	157.517	1 x 8.0m	MNBB	Bypass																
46	158.128	158.155	1 x 7.0m	MNBB	Bypass																
47	158.972	158.994	1 x 6.0m	MNBB	Bypass																
48	159.076		1 x 8.0m	MNBB	Bypass																
49	159.723	159.742	1 x 6.0m	MNBB	Bypass																
50	159.801		1 x 6.0m	MNBB	Bypass																
51	161.208	161.227	1 x 8.0m	MNBB	Bypass																
52	162.595	162.595	2 x 15m	MNBB	Bypass																

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode																			
Table 4.2 - 3 : Strip Chart for status of MNB - Deck Type (Main Carriageway)					IN PROGRESS								COMPLETED						
	MPR MARCH 2020			LHS									RHS						
SR.NO.	MNB at Chainage	Span	Pier/ Abutment	Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abt cap	Pier/Abt	Pile Cap	Pile		Pile	Pile Cap	Pier/Abt	Piercap/Abt cap	Girder Casting	Girder Launching	Slab	Crash Barrier
1	133+345	3x12.5m	A1	EXISITNG STRUCTURE															
			P1																
			A2																
2	159+522	1x15.0m	A1																
			A2																

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 3 : Strip Chart for status of MNB - Box (Service Road)

IN PROGRESS — COMPLETED

MPR MARCH 2020

Sr. No.	Design Chainage As per CA	Revised Chainage	Number and Length of Spans (m)	Type of Structure	Stretch	LHS: Protection Work	LHS: Slab	LHS: Wall	LHS: Raft	LHS: PCC	LHS: Granular Filling	LHS: Excavation	RHS: Excavation	RHS: Granular Filling	RHS: PCC	RHS: Raft	RHS: Wall	RHS: Slab	RHS: Protection Work
MNB SERVICE ROAD IN BYPASS																			
1	117.764	117.764	2 x 10.0m	MNBB	Bypass														
2	126.134	126.134	2 X 10.0m	MNBB	Realign														
3	134.320	134.320	2x 10.0m	MNBB	Bypass														
4	134.770	134.774	1 x 10.0m	MNBB	Bypass														
5	138.555	138.585	1 x 6.0m	MNBB	Bypass														
6	138.901	138.935	6 x 7.5m	MNBB	Bypass														
7	139.453	139.485	1 x 7.0m	MNBB	Bypass														
8	139.105	139.138	2 x 15m	MNBB	Bypass														
9	139.299	139.335	4 x 7.5m	MNBB	Bypass														
10	139.453	139.485	1 x 7.0m	MNBB	Bypass														
11	141.164	141.145	1 x 10.0m	MNBB	Bypass														
12	141.445	141.466	1 x 8.0m	MNBB	Bypass														
13	141.727	141.760	1 x 8.0m	MNBB	Bypass														
14	144.880	144.916	4 x 7.5m	MNBB	Bypass														
15	149.940	149.962	1 x 10.0m	MNBB	Bypass														
16	149.997	150.028	1 x 6.0m	MNBB	Bypass														
17	156.014	156.040	1 x 8.0m	MNBB	Bypass														
18	156.216	156.244	1 x 6.0m	MNBB	Bypass														
19	156.336	156.366	1 x 6.0m	MNBB	Bypass														
20	156.707	156.734	1 x 10.0m	MNBB	Bypass														

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 4 : Strip Chart for status of PUP — IN PROGRESS — COMPLETED

MPR MARCH 2020

Sr. No.	Design Chainage As per CA	Chainage as Per Site	Number and Length of Spans (m)		LHS: Protection Work	LHS: Slab	LHS: Wall	LHS: Raft	LHS: PCC	LHS: Excavation	RHS: Excavation	RHS: PCC	RHS: Raft	RHS: Wall	RHS: Slab	RHS: Protection Work
1	147.917	147.951	1 X 7 m	BYPASS												
2	149.988	150.023	1 X 7 m	BYPASS												

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 5 : Strip Chart for status of MJB (Main Carriageway)

IN PROGRESS | COMPLETED

MPR MARCH 2020

MJB at Chainage 146+902 (4x20) -BYPASS

	LHS/LSR								RHS/LSR							
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier
A1																
P1																
P2																
P3																
A2																

MJB at Chainage 148+017 (3x20)- BYPASS

	LHS/LSR								RHS/LSR							
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier
A1																
P1																
P2																
A2																

MJB at Chainage 149+334 (3x20)- BYPASS

	LHS/LSR								RHS/LSR							
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier
A1																
P1																
P2																
A2																

MJB at Chainage 156+559 (6x20)- BYPASS

	LHS/LSR								RHS/LSR							
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier
P2																
P3																
P4																
P5																
P6																
A2																

MJB at Chainage 161+019 (6x20)- BYPASS

	LHS/LSR								RHS/LSR							
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier
A1																
P1																
P2																
P3																
P4																
P5																
A2																

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 6 : Strip Chart for status of FLYOVER

IN PROGRESS

COMPLETED

MPR MARCH 2020

Sr.No.	FO at Chainage	Span			LHS									RHS								
					Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abt cap	Pier/Abt	Pile Cap	PCC	Pile	Pile	PCC	Pile Cap	Pier/Abt	Piercap/Abt cap	Girder Casting	Girder Launching	Slab	Crash Barrier
1	117+600	1 x 30 m	BYPASS+ EXISTING	A1																		
				A2																		
2	120+000	1 x 30 m	BYPASS+ EXISTING	A1																		
				A2																		
3	127+300	1 x 30 m	EXISTING	A1																		
				A2																		
4	134+000	1 x 30 m	BYPASS+ EXISTING	A1																		
				A2																		
5	145+140	1 x 30 m	BYPASS	A1																		
				A2																		
6	157+100	1 x 30 m	BYPASS	A1																		
				A2																		

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode

Table 4.2 - 7 : Strip Chart for status of VUP — IN PROGRESS — COMPLETED

MPR MARCH 2020

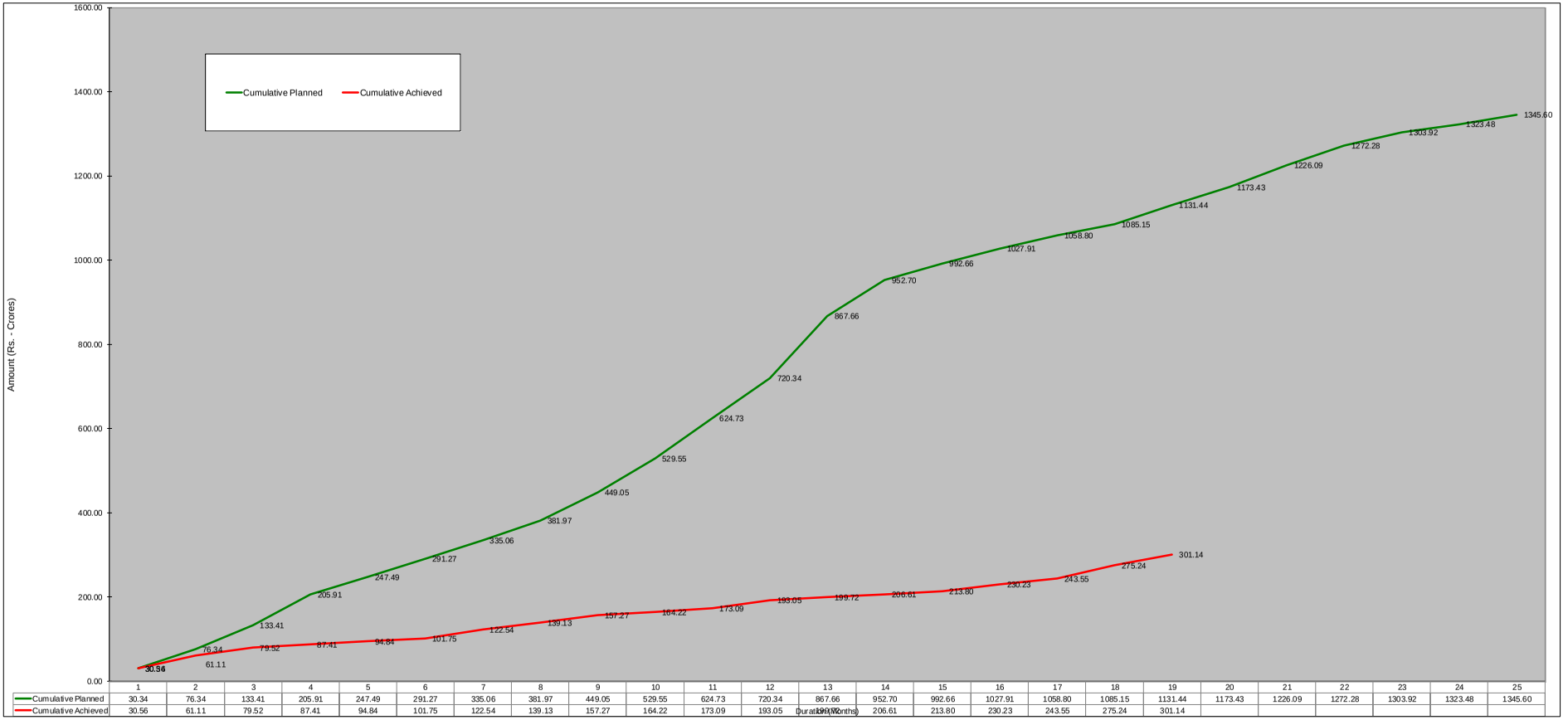
SR.NO.	VUP at Chainage	Span			LHS: Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abt cap	Pier/Abt	Pile Cap	PCC	Pile	RHS: Pile	PCC	Pile Cap	Pier/Abt	Piercap/Abt cap	Girder Casting	Girder Launching	Slab	Crash Barrier
1	126+100	1x25	EXISTING	A1																		
				A2																		
2	126+600	1x25	EXISTING	A1																		
				A2																		
3	128+700	1x25	EXISTING	A1																		
				A2																		
4	130+335	1x25	EXISTING	A1																		
				A2																		
5	131+500	1x25	EXISTING	A1																		
				A2																		
6	136+282	1x25	BYPASS	A1																		
				A2																		
7	138+720	1x25	BYPASS	A1																		
				A2																		
8	139+440	1x25	BYPASS	A1																		
				A2																		
9	141+450	1x25	BYPASS	A1																		
				A2																		
10	156+446	1x25	BYPASS	A1																		
				A2																		

Four Laning of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode																				
	Table 4.2 - 8 : Strip Chart for status of ROB								IN PROGRESS										COMPLETED	
MPR MARCH 2020	ROB at Chainage 134+345 (1 x 20.285m+1 x 30.426m+1 x 20.285m (Skew 9.6 °))- EXISTING																			
	LHS/LSR										RHS/LSR									
	Crash Barrier	Slab	Steel Girder Launching	Steel Girder Erection	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Steel Girder Erection	Steel Girder Launching	Slab	Crash Barrier
A1																				
P1																				
P2																				
A2																				

Figure 3a : Financial Progress - Planned vs Achieved - S Curve
Figure 3b : Physical Progress - Planned vs Achieved - S Curve

Four Laning of Cholopuram – Thanjavur from Km. 116.440 to 164.275 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode

Fig. 03a- Financial Progress (S-Curve)

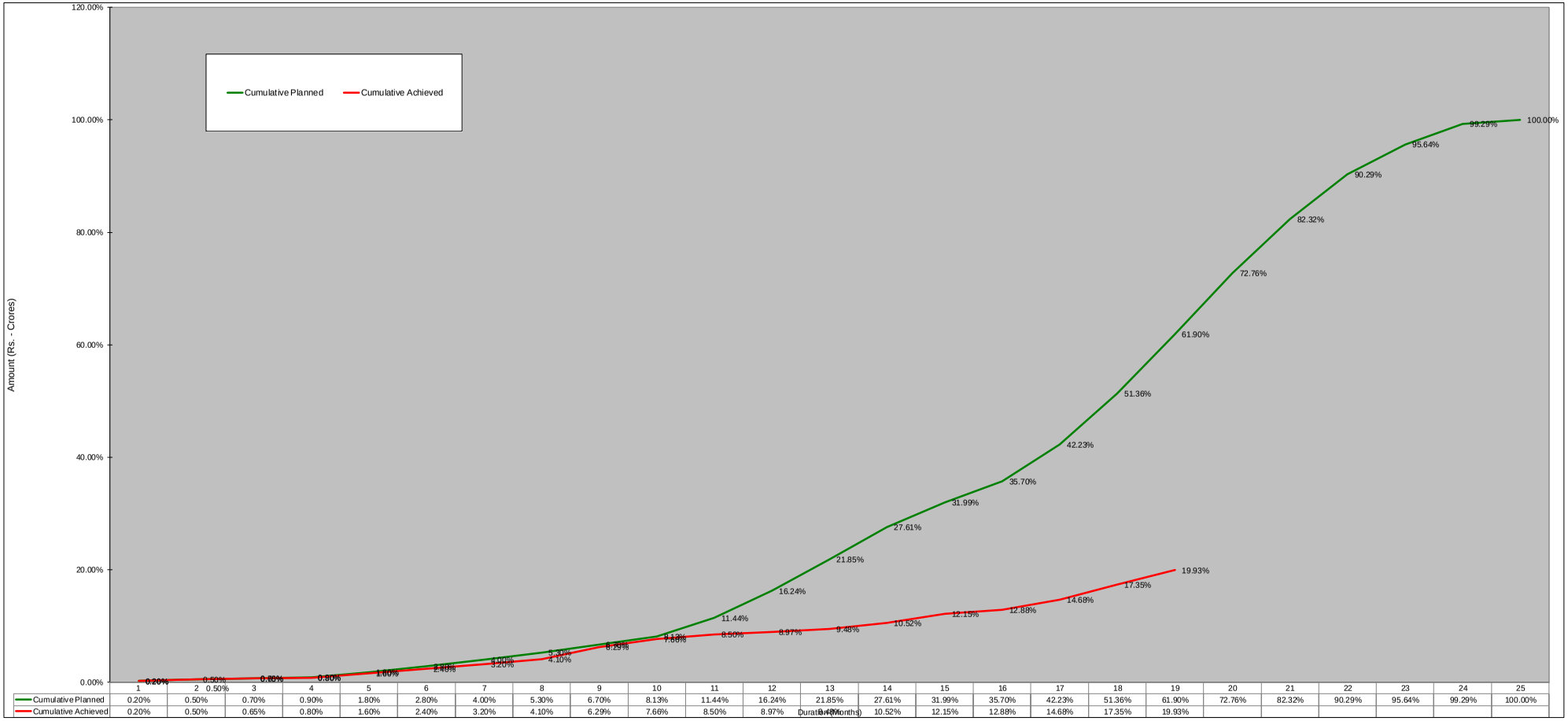


	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Cumulative Planned	30.34	76.34	133.41	205.91	247.49	291.27	335.06	381.97	449.05	529.55	624.73	720.34	867.66	952.70	992.66	1027.91	1058.80	1085.15	1131.44	1173.43	1226.09	1272.28	1303.92	1323.48	1345.60
Cumulative Achieved	30.56	61.11	79.52	87.41	94.84	101.75	122.54	139.13	157.27	164.22	173.09	193.05	199.72	206.61	213.80	230.23	243.55	275.24	301.14						

	Schedule	2019																	2020							
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Monthly Planned	30.34	46.00	57.07	72.50	41.58	43.78	43.78	46.91	67.08	80.50	95.17	95.61	147.32	85.04	39.97	35.24	30.90	26.34	46.29	41.99	52.67	46.19	31.64	19.56	22.12
	MonthlyAchieved	30.56	30.56	18.41	7.89	7.43	6.90	20.79	16.59	18.14	6.95	8.87	19.96	6.67	6.89	7.18	16.43	13.33	31.69	25.90						
	Cumulative Planned	30.34	76.34	133.41	205.91	247.49	291.27	335.06	381.97	449.05	529.55	624.73	720.34	867.66	952.70	992.66	1027.91	1058.80	1085.15	1131.44	1173.43	1226.09	1272.28	1303.92	1323.48	1345.60
	Cumulative Achieved	30.56	61.11	79.52	87.41	94.84	101.75	122.54	139.13	157.27	164.22	173.09	193.05	199.72	206.61	213.80	230.23	243.55	275.24	301.14						
	Monthly Planned (%)	2.3%	3.4%	4.2%	5.4%	3.1%	3.3%	3.3%	3.5%	5.0%	6.0%	7.1%	7.1%	10.9%	6.3%	3.0%	2.6%	2.3%	2.0%	3.4%	3.1%	3.9%	3.4%	2.4%	1.5%	1.6%
	Monthly Achieved (%)	2.3%	2.3%	1.4%	0.6%	0.6%	0.5%	1.5%	1.2%	1.3%	0.5%	0.7%	1.5%	0.5%	0.5%	0.5%	1.2%	1.0%	2.4%	1.9%						
	Cumulative Planned (%)	2.3%	5.7%	9.9%	15.3%	18.4%	21.6%	24.9%	28.4%	33.4%	39.4%	46.4%	53.5%	64.5%	70.8%	73.8%	76.4%	78.7%	80.6%	84.1%	87.2%	91.1%	94.6%	96.9%	98.4%	100.0%
	Cumulative Achieved (%)	2.3%	4.5%	5.91%	6.50%	7.05%	7.56%	9.11%	10.3%	11.7%	12.2%	12.9%	14.3%	14.8%	15.4%	15.9%	17.1%	18.1%	20.5%	22.4%						

Four Laning of Cholopuram – Thanjavur from Km. 116.440 to 164.275 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode

Fig. 03b- Physical Progress (S-Curve)



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Cumulative Planned	0.20%	0.50%	0.70%	0.90%	1.80%	2.80%	4.00%	5.30%	6.70%	8.13%	11.44%	16.24%	21.85%	27.61%	31.99%	35.70%	42.23%	51.36%	61.90%	72.76%	82.32%	90.29%	95.64%	99.29%	100.00%
Cumulative Achieved	0.20%	0.50%	0.65%	0.80%	1.60%	2.40%	3.20%	4.10%	6.29%	7.66%	8.50%	8.97%	9.48%	10.52%	12.15%	12.88%	14.68%	17.35%	19.93%						

	Schedule	2019																		2020							
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	Monthly Planned	0.20%	0.30%	0.20%	0.20%	0.90%	1.00%	1.20%	1.30%	1.40%	1.43%	3.31%	4.80%	5.61%	5.76%	4.38%	3.71%	6.53%	9.13%	10.54%	10.86%	9.56%	7.97%	5.35%	3.65%	0.71%
	MonthlyAchieved	0.20%	0.30%	0.15%	0.15%	0.80%	0.80%	0.80%	0.90%	2.19%	1.37%	0.85%	0.46%	0.51%	1.04%	1.63%	0.73%	1.80%	2.67%	2.58%						
	Cumulative Planned	0.20%	0.50%	0.70%	0.90%	1.80%	2.80%	4.00%	5.30%	6.70%	8.13%	11.44%	16.24%	21.85%	27.61%	31.99%	35.70%	42.23%	51.36%	61.90%	72.76%	82.32%	90.29%	95.64%	99.29%	100.00%
	Cumulative Achieved	0.20%	0.50%	0.65%	0.80%	1.60%	2.40%	3.20%	4.10%	6.29%	7.66%	8.50%	8.97%	9.48%	10.52%	12.15%	12.88%	14.68%	17.35%	19.93%						

6.1. List of Lab Equipment's

A site laboratory has been set up with all equipment required for testing soil, GSB, WMM, Bitumen, aggregate and concrete. Following tables represents the list of QA/QC equipment's available at Pateeswaram Lab.

Table 6.1 - 2 QA/QC Lab Equipment at Pateeswaram Lab

Sl. No	Equipment List	Quantity
A)	SOIL	
1	Proctor Moulds (Big) Collar or Base plate & Rammer 4.89 kg	6
2	Proctor Moulds (Small) Collar or Base plate & Rammer 2.6 kg	4
3	Atterberg Limits Test(Apparatus)	1
4	Soil Cone Penetrometer	1
5	CBR Moulds with collar or Base Plate	60
6	CBR Plunger	4
7	Proving Ring(25 KN)	1
8	Proving Ring(10 KN)	1
9	Proving Ring(2.5 KN)	1
10	FSI JARS BOROSIL -100 ml	40
11	Spacer Disc(with Handle)	4
12	CBR Testing Machine	1
13	CBR Surcharge Central Hole Weights 2.5 kg	60
14	CBR Surcharge Slotted Weights 2.5 kg	60
15	CBR Perorated Brass plates	60
16	Sand Pouring Cylinders (100 mm Dia) Complete with Calibrating Container with Trays	2
17	Sand Pouring Cylinders (150 mm Dia) Complete with Calibrating Container with Trays	2
18	Sand Pouring Cylinders (200 mm Dia) Complete with Calibrating Container with Trays	2
19	Rapid Moisture Meters	4
20	Calcium Carbide Bottles	10
21	Spatula Big	10
22	Spatula Small	10
23	Hammers big	4
24	Chisels big	20
25	Electronic Balance Capacity 100 kg (10 gram accuracy)	1
26	Electronic Balance Capacity 50 kg (1 gram accuracy)	2
27	Electronic Balance Capacity 30 kg (1 gram accuracy)	2
28	Electronic Balance Capacity 10 kg (1 gram accuracy)	1
29	Electronic Balance Capacity 5 kg (0.5 gram accuracy)	1
30	Electronic Balance Capacity 600gram(0.01 gram accuracy)	2
31	Hot Air Oven (Big)250oC	1
32	Hot Air Oven (Small)250oC	1

33	Direct Shear Test Apparatus	1
34	Filter Paper Dia 100 mm	10
35	Filter Paper Dia 150 mm	10
36	Pipettes	4
37	Plastic Bottles	4
38	Enamel tray -450x300x40 mm	12
39	G.I tray-1500x1500x100mm	4
40	French Curves	2
B)	CONCRETE WORKS	
41	Compressive Testing machine(2000KN)	1
42	Flextural strength testing machine digital	1
43	Concrete Cube Moulds With Base Plate(15cm)	200
44	Concrete Cube Moulds With Base Plate(10cm)	18
45	Motor Cube Moulds (7.06cm) with Base Plate	12
46	Motor Cube Vibrating Machine(12000 Rmp)	1
47	Concrete Mixer Electrically Operated	1
48	Cube Vibrating Machine (Big)	1
49	Slump Cone Testing Appratus	10
50	Vicat Needle Apparatus , with dash pot complete with set of needles and brass mould	2
51	Soundness Testing Apparatus	2
52	Trowels With Wodden Handles	4
53	A I V Testing Machine	1
54	Loss Angels abrasion Testing Machine	1
55	Sand Equvivalant Testing Apparatus	1
56	Flakiness Index Test Guage	1
57	Elongation Index Test Guage	1
58	Density Basket	2
59	Bulk Density Cylinder (5lt)	1
60	Bulk Density Cylinder (15lt)	1
61	Bulk Density Cylinder (30lt)	1
62	Gi trays -450x600x50mm	9
63	Enamal trays -300x250x40 mm	9
64	Trays for Samples Collections	12
65	Riffle Box (40 MM)	1
66	Riffle Box (20 MM)	1
67	PYcnometer Bottels (1000 ml)	4
68	Specific Gravity & water absorotion test apparatus with Electronic balance	1
69	DLC Compaction vibrating hammer	1
70	Cement mortar cube mould 5.0 cm	12
71	Sandard Sand Grade-1 bag of 25 kg	2
72	Sandard Sand Grade-2 bag of 25 kg	2
73	Sandard Sand Grade-3 bag of 25 kg	2
C)	BITUMINOUS WORKS	
74	Specific Gravity Bottels (50 ml)	2

75	Specific Gravity Bottels (100 ml)	2
76	Pen Sky- Martins closed Tester (Flash & Fire point)	2
77	Dial gauge 0.01x30 mm adis make	4
78	Ring & Ball Apparatus (Softening Point)	1
79	Bitumen Penetrometer (automatic)	1
80	Marshall Stability Apparatus (set)	1
81	Marshall Compaction Pedestal	2
82	Marshall Compaction Rammer 4.53 KG	4
83	Marshall Moulds (101.6 mm Dia)	30
84	Modified Marshall Compaction Pedestal	1
85	Modified Marshall Compaction Rammer 10.2 KG	4
86	viscometer u tub size no 12	2
87	Breaker - glass 600 ml for ring and ball apparatus	4
88	Bitumen Extraction Apparatus (centrifuge Type)	1
89	Proving Ring(50 KN)	1
90	Proving Ring(100 KN)	1
91	Digital Thermometers	10
92	Glass Thermometer	10
93	IR Thermometer	5
94	Core Cutting Machine With Apparatus (set)	1
95	Diamond Core Cutting Bit (100mm Dia)	1
96	Core Barrels for Core Cutting Machine	1
97	Vacuum Pump (specific Gravity of Bitumen Mix GMM)	1
98	Constant temperature Water bath (Digital)	2
99	Penetration cup 55x70 mm	2
100	penetration cup 55x35 mm	2
101	Specific Gravity Flask (2000 ml)	1
102	Specific Gravity Flask (5000 ml)	1
103	Specimen Extractor (Tikki, Goli & Rod)Marshall	1
104	Emulsion Trays	6
105	Viscometer viscosity of emulsified bitumen	1
106	Stop Watch	4
107	Hot Plates Electrical	2
108	Viscometer viscosity of bitumen	1
FOR I.S SIEVES 450 MM DIA		
109	100MM	2
110	90MM	2
111	75MM	2
112	63MM	2
113	53MM	2
114	50MM	2
115	45MM	2
116	40MM	2
117	37.5MM	2
118	31.5MM	2

119	26.5MM	2
120	25MM	2
121	22.4MM	2
122	20MM	2
123	19MM	2
124	16 MM	2
125	14MM	2
126	13.2MM	2
127	12.5MM	2
128	11.2MM	2
129	10MM	2
130	9.5MM	2
131	6.3MM	2
132	5.6MM	2
133	4.75MM	2
134	2.36 MM	2
FOR I.S SIEVES 200 MM DIA		
135	37.5MM	2
136	6.5MM	2
137	22.4MM	2
138	19MM	2
139	16MM	2
140	14 MM	2
141	13.2MM	2
142	12.5MM	2
143	11.2MM	2
144	10MM	2
145	9.5MM	2
146	5.6MM	2
147	4.75MM	2
148	2.80MM	2
149	2.36MM	2
150	2.00MM	2
151	1.80MM	2
152	1.40MM	2
153	1.18MM	2
154	1.00MM	2
155	0.710 mc	1
156	0.600 mc	2
157	0.500 mc	1
158	0.45 mc	1
159	0.425 mc	2
160	0.355 mc	2
161	0.300 mc	2
162	0.150 mc	2
163	0.090 mc	2

164	0.075 mc	6
GENERAL & CONTROL OF PROFILE AND SURFACE EVENNESS		
165	Rain Guage	1
166	Vernier Calliper	1
167	Glass Measuring Cylinder -1000 ml	2
168	Glass Measuring Cylinder -500 ml	2
169	Glass Measuring Cylinder -250 ml	2
170	Glass Measuring Cylinder -250 ml	2
171	Plastic Measuring Cylinder- 1000 ml	2
172	Plastic Measuring Cylinder- 500 ml	2
173	Plastic Measuring Cylinder- 250 ml	2
174	Plastic Measuring Cylinder- 250 ml	2
175	Depth gauge	4
176	Digital thermo hygrometer	2
177	Sampling containers 100 gms	200
178	3 Meter straight edge and measuring wedge	1
179	Camber template board	2
180	5 mtr tape	2
181	10 mtr tape	2
182	30 mtr tape	4
183	50 mtr tape	4

6.2 Quality Control Test Summary

GSB material, soil samples from borrow areas, aggregates, cement and bitumen are being tested regularly. Trial mix design for concrete with different admixtures is also in progress.

The detailed list of quality control test conducted up to the month of March - 2020 are tabulated below -

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S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto 31th March-2020				Test conducted upto this month			
				No. of test Conducted (1 Test =3Sets)	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE
1.0 Tests on OGL															
1.1	Grain size analysis	IS:2720 (Part4)	1 test / 250 meters	421	421	0	224	0	0	0	0	421	421	0	224
1.2	Atterberg Limits	IS:2720 (Part5)	1 test / 250 meters	421	421	0	224	0	0	0	0	421	421	0	224
1.3	Proctor	IS:2720 (Part8)	1 test / 250 meters	233	233	0	68	0	0	0	0	233	233	0	68
1.4	Free Swell index	IS:2720 (Part40)	1 test / 250 meters	421	403	18	224	0	0	0	0	421	403	18	224
1.5	California bearing ratio	IS:2720 (Part16)	As required	0	0	0	0	0	0	0	0	0	0	0	0
2.0 Cutting portion & Existing for EMB/SG (MoRT&H 305)															
2.1	Grain size analysis	IS:2720 (Part4)	1 test /1500 m^3	56	56	0	27	27	27	0	13	83	83	0	40
2.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m^3	56	56	0	27	27	27	0	13	83	83	0	40
2.3	Proctor	IS:2720 (Part8)	1 test /1500 m^3	56	56	0	27	27	27	0	13	83	83	0	40
2.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m^3	56	56	0	27	27	27	0	13	83	83	0	40
2.5	California bearing ratio	IS:2720 (Part16)	1 test / 3000 m^3	38	38	0	20	31	31	0	15	69	69	0	35
3.0 Borrow Area for EMB/Subgrade (MoRT&H 305)															
3.1	Grain size analysis	IS:2720 (Part4)	1 test /1500 m^3	685	685	0	191	64	64	0	32	749	749	0	223
3.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m^3	685	685	0	191	64	64	0	32	749	749	0	223
3.3	Proctor	IS:2720 (Part8)	1 test /1500 m^3	685	685	0	191	64	64	0	32	749	749	0	223
3.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m^3	685	685	0	191	64	64	0	32	749	749	0	223
3.5	California bearing ratio	IS:2720 (Part16)	1 test / 3000 m^3	142	142	0	59	0	0	0	0	0	0	0	59
3.6	Water Soluble Sulphate	IS:2720 (Part27)	As required	2	2	0	0	0	0	0	0	0	0	0	0
3.7	Angle of Internal Friction(ø)	IS:2720 (Part13)	As required	5	5	0	10	0	0	0	0	0	0	0	10
4.0 Field Density Test MORT&H 305															
4.1	Field density (OGL)	IS:2720 (Part28)	10 test /3000 sqm	4447	4447	15	1754	202	202	0	101	4649	4649	15	1855
4.2	Field density (EMB)	IS:2720 (Part28)	10 test /3000 sqm	10656	10620	36	2656	1732	1732	0	870	12388	12352	36	3526
4.3	Field density (SG)	IS:2720 (Part28)	10 test / 2000 sqm	949	946	3	65	310	310	0	155	1259	946	3	220
4.4	Field density (Shoulder)	IS:2720 (Part28)	10 test / 2000 sqm	0	0	0	0	0	0	0	0	0	0	0	0
5.0 Safe Bearing capacity of soil															
5.1	Grain size analysis	IS:2720 (Part40)	As required	151	151	0	39	0	0	0	0	151	151	0	39
5.2	Atterberg Limits	IS:2720 (Part4)	As required	151	151	0	39	0	0	0	0	151	151	0	39
5.3	Proctor	IS:2720 (Part5)	As required	151	151	0	38	0	0	0	0	151	151	0	38
5.4	Free Swell index	IS:2720 (Part8)	As required	151	151	1	39	0	0	0	0	151	151	1	39
5.5	Bearing Capacity	IS:6403 / IS 1888	As required	151	151	150	40	0	0	0	0	151	151	150	40
5.6	Plate Load Test	IS:6403 / IS 1888	As required	27	27	0	22	0	0	0	0	27	27	0	22
6.0 Filter Media & Back filling MoRT&H 2500(Design)															
6.1	Gradation		As required	69	69	0	44	0	0	0	0	69	69	0	44
6.2	Backfilling field density		1 test /1000 m^3	20	20	0	20	0	0	0	0	20	20	0	20
7.0 Granular Bedding Material (For Structures-Ground Improvement)-Design Approval															
7.1	Gradation	Table 400-1	As required	15	15	0	15	0	0	0	0	15	15	0	15
7.2	Atterberg Limits	IS:2720 (Part5)	As required	13	13	0	7	0	0	0	0	13	13	0	7
7.3	Proctor	IS:2720 (Part8)	As required	9	9	0	9	0	0	0	0	9	9	0	9
7.4	CBR Test	IS:2720 (Part16)	As required	3	3	0	3	0	0	0	0	3	3	0	3
7.5	Aggregate Impact value	IS:2386 Part-4	As required	9	9	0	9	0	0	0	0	9	9	0	9

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S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto 31th March-2020				Test conducted upto this month			
				No. of test Conducted (1 Test =3Sets)	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE
8.0 Granular Bedding Material (For Structures-Ground Improvement)- Stock & Site Testing															
8.1	Gradation	Table 400-1	As required	102	102	39	45	0	0	0	0	102	102	39	45
8.2	Atterberg Limits	IS:2720 (Part5)	As required	102	102	39	45	0	0	0	0	102	102	39	45
8.3	Proctor	IS:2720 (Part8)	As required	12	12	10	10	0	0	0	0	12	12	10	10
8.4	CBR Test	IS:2720 (Part16)	As required	12	12	10	10	0	0	0	0	12	12	10	10
8.5	Aggregate Impact value	IS:2386 Part-4	As required	11	11	8	7	0	0	0	0	11	11	8	7
8.6	Field Density	IS:2720 (Part28)	As required	1234	1234	295	268	0	0	0	0	1234	1234	295	268
9.0 CTSB Mix Design MoRT&H 403															
9.1	Gradation	Table 400-4	1 test/400m^3	63	63	0	52	0	0	0	0	63	63	0	52
9.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m^3	24	24	0	15	0	0	0	0	24	24	0	15
9.3	Proctor	IS:2720 (Part8)	As required	29	29	0	21	0	0	0	0	29	29	0	21
9.4	Aggregate Impact value	IS:2386 Part-4	As required	24	24	0	14	0	0	0	0	24	24	0	14
9.5	Field Density	IS:2720 (Part28)	1 set of 2 Test per 500Sqm	0	0	0	0	0	0	0	0	0	0	0	0
9.6	Specific gravity& Water absorption	IS:2386 (Part2)	As required	14	14	0	5	0	0	0	0	14	14	0	5
9.7	Cubes casting& Testing(Sets)	IRC SP 89 (2010)	Minimum 5 Cubes	42	42	0	32	0	0	0	0	42	42	0	32
9.8	CBR Test(Set)	IS:2720 (Part16)	As required	6	6	0	6	0	0	0	0	6	6	0	6
9.9	Organic Content	IRC SP 89 (2010)	As required	2	2	0	0	0	0	0	0	2	2	0	0
9.10	Total SO4 Content	IRC SP 89 (2010)	As required	2	2	0	0	0	0	0	0	2	2	0	0
9.11	Chloride Content	IRC SP 89 (2010)	As required	1	1	0	0	0	0	0	0	1	1	0	0
9.12	10% Fines Value	BS:812 (111)	As required	2	2	0	0	0	0	0	0	2	2	0	0
9.13	Durability Test	IRC SP 89 (2010)	As required	6	6	0	6	0	0	0	0	6	6	0	6
9.14	Permeability Test	IS 2720 (Part 36)	As required	1	1	0	0	0	0	0	0	1	1	0	0
10.0 CTSB Site Frequency															
10.1	Gradation	Table 400-4	1 test/400m^3	22	22	0	17	34	34	0	17	56	56	0	34
10.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m^3	20	20	0	15	34	34	0	17	54	54	0	32
10.3	Proctor	IS:2720 (Part8)	As required	3	3	0	3	0	0	0	0	3	3	0	3
10.4	Aggregate Impact value	IS:2386 Part-4	As required	19	19	0	14	34	34	0	17	53	53	0	31
10.5	Field Density	IS:2720 (Part28)	1 set of 2 Test per 500Sqm	238	238	12	114	249	249	0	125	487	487	12	239
10.6	Specific gravity& Water absorption	IS:2386 (Part2)	As required	2	2	0	2	0	0	0	0	2	2	0	2
10.7	Cubes casting& Testing(Sets)	IRC SP 89 (2010)	Minimum 5 Cubes	30	30	0	18	66	66	0	33	96	96	0	51
10.8	CBR Test	IS:2720 (Part16)	As required	3	3	0	3	0	0	0	0	3	3	0	3
11.0 WMM Mix (Design)															
11.1	Individual / Combined Gradation	Table 400-3	1 test/200m^3	88	88	0	67	0	0	0	0	88	88	0	67
11.2	Aggregate Impact Value	IS:2386 Part-4	1 test/ 1000 m^3	13	13	0	11	0	0	0	0	13	13	0	11
11.3	Flakiness & Elagation index	IS:2386 Part1	1 test/ 500 m^3	13	13	0	11	0	0	0	0	13	13	0	11
11.4	Atterberg Limits	IS:2720 (Part5)	1 test/200m^3	11	11	0	9	0	0	0	0	11	11	0	9
11.5	Water absorption	IS:2386 Part2	As required	8	8	0	8	0	0	0	0	8	8	0	8
11.6	Proctor	IS:2720 (Part8)	As required	6	6	0	6	0	0	0	0	6	6	0	6
11.7	CBR	IS:2720 (Part16)	As required	6	6	0	6	0	0	0	0	6	6	0	6
11.8	Field Density(Trial strech)	IS:2720 (Part28)	1 set Test per 1000Sq.m / 3 pits	0	0	0	0	0	0	0	0	0	0	0	0

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S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto 31th March-2020				Test conducted upto this month			
				No. of test Conducted (1 Test =3Sets)	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE
12.0 WMM Site Frequency MoRT&H 406															
12.1	Individual / Combined Gradation	Table 400-3	1 test/200m^3	11	11	0	7	11	11	0	5	22	22	0	12
12.2	Aggregate Impact Value	IS:2386 Part-4	1 test/ 1000 m^3	9	9	0	5	11	11	0	5	20	20	0	10
12.3	Flakiness & Elagation index	IS:2386 Part1	1 test/ 500 m^3	9	9	0	5	11	11	0	5	20	20	0	10
12.4	Atterberg Limits	IS:2720 (Part5)	1 test/200m^3	11	0	0	7	11	11	0	5	22	0	0	12
12.5	Proctor	IS:2720 (Part8)	As required	2	2	0	2	0	0	0	0	2	2	0	2
12.6	CBR	IS:2720 (Part16)	As required	2	2	0	2	0	0	0	0	2	2	0	2
12.7	Field Density	IS:2720 (Part28)	1 set Test per 1000Sq.m / 3 pits	57	54	0	31	120	120	0	60	177	174	0	91
13.0 Dense Bituminous Macadam (Grade - II) (Design)															
13.1	Gradation	MORTH Section-500/Clause-507 & Table 500-10	One set for individual constituent and mixed aggregate from dryer for each 400 tonnes of mix subject to minimum	50	50	0	50	7	7	0	3	57	57	0	53
13.2	Flakiness & Elongation Index	IS: 2386 (Part 1)1963	1 Test for 350 m^3	9	9	0	9	7	7	0	3	16	16	0	12
13.3	Aggregate Impact Value Test	IS: 2386 (Part 4)1963	1 Test for 350 m^3	9	9	0	9	7	7	0	3	16	16	0	12
13.4	Binder content and grading of mix	IRC: SP 11-1988(APP-5)	One Test for each 400 tonnes of mix produced subject to a minimum of two test per day per plant	9	9	0	9	14	14	0	7	23	23	0	16
13.5	Marshall Stability of mix	ASTM D 2726/1188	3 Tests for stability flow value density and void contents for each 400 tonnes of mix subject to minimum of two Tests per plant per day	10	10	0	10	14	14	0	7	24	24	0	17
13.6	Sand Equivalent Test	IS: 2720 Part 37)1963	One Test for each each source	12	12	0	12	0	0	0	0	12	12	0	12
13.7	Los Angeles Abrasion Value	IS: 2386 (Part 3)1963	1 Test for 350 m^3	9	9	0	9	0	0	0	0	9	9	0	9
13.8	Stripping	IS : 6241	One Test for each each source	3	3	0	3	0	0	0	0	3	3	0	3
13.9	Retained Satlaility	AASHTO 283	One Test for each each source	8	8	0	8	0	0	0	0	8	8	0	8
14.0	Retained Tensile Strength	AASHTO 284	One Test for each each source	8	8	0	8	0	0	0	0	8	8	0	8
14.1	Refuasal	AASHTO 285	One Test for each each source	10	5	0	5	0	0	0	0	10	5	0	5
14.2	Plasticity Index	IS: 2720(Part 5)	One Test for each each source	3	3	0	3	0	0	0	0	3	3	0	3
14.3	Cleanliess (Dust)	IS: 2386 (Part 1)	One Test for each each source	3	3	0	3	0	0	0	0	3	3	0	3

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				No. of test Conducted (1 Test =3Sets)	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE
15.0 Bitumen test															
15.1	Absolute Viscosity at 60ºC poise,Minimum	IS: 1206-1978 part-2	As per table 2 of IS 73-2013	5	5	0	5	4	4	0	2	9	9	0	7
15.2	Penetration Test at 25ºC,100gr,0.1mm,5sec	IS: 1203-1978	As per table 2 of IS 73-2013	5	5	0	5	4	4	0	2	9	9	0	7
15.3	Softening point(R&B) Min	IS: 1205-1978	As per table 2 of IS 73-2013	5	5	0	5	4	4	0	2	9	9	0	7
15.4	Flash point(Clevelend open cup)ºC,Min	IS: 1209-1978	1 Test per Lot	3	3	0	3	0	0	0	0	3	3	0	3
15.5	Test on Residue from TFOT														
15.6	Viscosity ratio at 60ºC max	IS: 1206-1978 part-2	1 Test per Lot	4	4	0	4	0	0	0	0	4	4	0	4
15.7	Ductility at 25ºC ,cm,Min	IS: 1208-1978	1 Test per Lot	4	4	0	4	0	0	0	0	4	4	0	4
16.0 EMULSION SS1&RS1															
16.1	Saybolt furol Viscosity	IS: 13117	1 Test per Lot	3	3	0	3	2	2	0	1	5	5	0	4
16.2	Residue on 600 micron is sive	IS: 8887	1 Test per Lot	3	3	0	3	2	2	0	1	5	5	0	4
16.3	Water Content ,Percent by mass	IS: 8887	1 Test per Lot	3	3	0	3	0	0	0	0	3	3	0	3
17.0 EMULSION Prime coat &Tack Coat															
17.1	Rate of Spread of Binder	IRC: SP 16	Three test per Day	15	15	0	15	15	15	0	8	15	30	0	23
18.0 Coarse Aggregate MoRT&H 1007															
18.1	Gradation	IS:2386 (Part2)	As required	662	662	0	231	54	54	0	27	716	716	0	258
18.2	Specific gravity& Water absorption	IS:2386 (Part3)	As required	28	28	0	14	0	0	0	0	28	28	0	14
18.3	Aggregate Impact Value	IS:2386 (Part4)	As required	86	86	0	30	4	4	0	2	90	90	0	32
18.4	Flakiness index	IS:2386 (Part1)	As required	86	86	0	30	4	4	0	2	90	90	0	32
18.5	Soundness	IS:2386 (Part5)	As required	1	1	0	1	0	0	0	0	1	1	0	1
18.6	Alkali aggregate reactivity test	IS:2386 (Part-7)IS : 456	1 test per source	1	1	0	1	0	0	0	0	1	1	0	1
18.7	Deleterious constituents	IS:2386 (Part2)	1 test per source	1	1	0	1	0	0	0	0	1	1	0	1
18.8	Petrograhic Examination	IS:2386 (Part8)	1 test per source	1	1	0	1	0	0	0	0	1	1	0	1
19.0 Cement MoRT&H 1006															
19.1	Chemical test	IS:4031,4032	1 test per source	12	12	0	7	0	0	0	0	12	12	0	7
19.2	Fineness	IS:4031 (Part1)	500mt (or) Every week	103	103	0	48	9	9	0	5	112	112	0	53
19.3	Normal Consistency	IS:4031 (Part4)	500mt (or) Every week	103	103	0	48	9	9	0	5	112	112	0	53
19.4	Initial,Final setting time	IS:4031 (Part5)	500mt (or) Every week	103	103	0	48	9	9	0	5	112	112	0	53
19.5	Soundness of Cement	IS:4031 (Part3)	500mt (or) Every week	103	103	0	48	9	9	0	5	112	112	0	53
19.6	Compressive Strength-set	IS:4031 (Part6)													
	3 days		500mt (or) Every week	121	121	0	60	10	10	0	5	131	131	0	65
	7 days		500mt (or) Every week	119	119	0	60	9	9	0	5	128	128	0	65
	28 days		500mt (or) Every week	119	119	0	36	9	9	0	5	128	128	0	41
20	Chemical test	IS 2386	1 test per source	7	7	0	3	0	0	0	0	7	7	0	3

Four Laning of Cholopuram - Thanjavur From km 116.440 to km 164.275 Section of NH-45C in the State of TamilNadu Under NHDP Phase-IV on Hybrid Annuity Mode.

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S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto 31th March-2020				Test conducted upto this month			
				No. of test Conducted (1 Test =3Sets)	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE
21.0 Admixture															
21.1	Chemical Test	IS 9103	1 test per source	4	4	0	2	0	0	0	0	4	4	0	2
22.0 Steel															
22.1	8 mm Dia	IS 1786	Physical &Chemical Properties (1) Test on first lot.(2) Further supply will be provided with mtc. (3) As required by engineer.	15	15	0	7	0	0	0	0	15	15	0	7
22.2	10 mm Dia	IS 1786		15	15	0	8	0	0	0	0	15	15	0	8
22.3	12 mm Dia	IS 1786		20	20	0	10	0	0	0	0	20	20	0	10
22.4	16 mm Dia	IS 1786		21	21	0	10	0	0	0	0	21	21	0	10
22.5	20 mm Dia	IS 1786		21	21	0	9	0	0	0	0	21	21	0	9
22.6	25 mm Dia	IS 1786		23	23	0	13	0	0	0	0	23	23	0	13
22.7	32 mm Dia	IS 1786		8	8	0	5	0	0	0	0	8	8	0	5
23.(A) Concrete Cube Strength of Design Mix															
	M15 PCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	69	69	0	58	0	0	0	0	69	69	0	58
	28Days Compressive Strength			62	63	0	55	0	0	0	0	62	63	0	55
	M20 PCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	66	66	0	53	0	0	0	0	66	66	0	53
	28Days Compressive Strength			59	59	0	55	0	0	0	0	59	59	0	55
	M20 DRAIN														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	3	3	0	3	0	0	0	0	3	3	0	3
	28Days Compressive Strength			0	0	0	0	0	0	0	0	0	0	0	0
	M20 KERB														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	8	8	0	8	0	0	0	0	8	8	0	8
	28Days Compressive Strength			8	8	0	8	0	0	0	0	8	8	0	8
	M25 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	66	66	0	6	0	0	0	0	66	66	0	6
	28Days Compressive Strength			59	56	0	55	0	0	0	0	59	56	0	55
	M30 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	60	60	0	56	0	0	0	0	60	60	0	56
	28Days Compressive Strength			63	59	0	59	0	0	0	0	63	59	0	59
	M30 RCC PUMPABLE														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	47	47	0	43	0	0	0	0	47	47	0	43
	28Days Compressive Strength			37	35	0	33	0	0	0	0	37	35	0	33
	M35 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	56	56	0	52	0	0	0	0	56	56	0	52
	28Days Compressive Strength			58	56	0	54	0	0	0	0	58	56	0	54
	M35 RCC PILING														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	65	65	0	61	0	0	0	0	65	65	0	61
	28Days Compressive Strength			58	58	0	54	0	0	0	0	58	58	0	54
	M35 RCC PUMPABLE														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	47	47	0	43	0	0	0	0	47	47	0	43
	28Days Compressive Strength			37	35	0	33	0	0	0	0	37	35	0	33
	M35 RE BLOCK														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	60	60	0	54	0	0	0	0	60	60	0	54
	28Days Compressive Strength			55	55	0	55	0	0	0	0	55	55	0	55

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Summary of Quality Control Report / Monthly Progress Report (QC) - MONTH : March-2020

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto 31th March-2020				Test conducted upto this month			
				No. of test Conducted (1 Test =3Sets)	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE
	M40 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	35	35	0	26	0	0	0	0	35	35	0	26
	28Days Compressive Strength			22	18	0	22	0	0	0	0	22	18	0	22
	M45 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	36	36	0	37	0	0	0	0	36	36	0	37
	28Days Compressive Strength			43	43	0	40	0	0	0	0	43	43	0	40
	M45 RCC PUMPABLE														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	23	15	0	20	0	0	0	0	23	15	0	20
	28Days Compressive Strength			26	22	0	23	0	0	0	0	26	22	0	23
23.(B) Concrete Cube Strength of Site Cubes															
	M15 PCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	232	232	0	118	17	17	0	8	249	249	0	126
	28Days Compressive Strength			433	433	0	225	33	33	0	17	466	466	0	242
	M20 PCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	3	3	0	2	0	0	0	0	3	3	0	2
	28Days Compressive Strength			8	8	0	4	0	0	0	0	8	8	0	4
	M20 KERB														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	3	3	0	3	18	18	0	8	21	21	0	11
	28Days Compressive Strength			2	2	0	2	13	13	0	6	15	15	0	8
	M25 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	11	11	0	6	1	1	0	1	12	12	0	7
	28Days Compressive Strength			17	17	0	11	1	1	0	1	18	18	0	12
	M30 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	422	422	0	172	46	46	0	23	468	468	0	195
	28Days Compressive Strength			826	826	0	321	48	48	0	24	874	874	0	345
	M30 RCC PUMPABLE														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	11	11	0	172	4	4	0	2	15	15	0	174
	28Days Compressive Strength			23	23	0	23	3	3	0	1	26	26	0	24
	M35 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	280	280	0	120	26	26	0	13	306	306	0	133
	28Days Compressive Strength			611	611	0	262	17	17	0	8	628	628	0	270
	M35 RCC PILING														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	485	485	0	165	37	37	0	15	522	522	0	180
	28Days Compressive Strength			1562	1562	0	701	64	64	0	32	1626	1626	0	733
	M35 RCC PUMPABLE														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	309	309	0	168	43	43	0	21	352	352	0	189
	28Days Compressive Strength			856	856	0	461	109	109	0	54	965	965	0	515
	M35 RE BLOCK														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	779	779	0	271	67	67	0	33	846	846	0	304
	28Days Compressive Strength			1414	1414	0	459	56	56	0	28	1470	1470	0	487
	M40 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	5	5	0	5	0	0	0	0	5	5	0	5
	28Days Compressive Strength			5	5	0	5	0	0	0	0	5	5	0	5

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S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto 31th March-2020				Test conducted upto this month			
				No. of test Conducted (1 Test =3Sets)	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos.of test witnessed by IE
	M45 PUMP														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	6	6	0	6	13	13	0	7	19	19	0	13
	28Days Compressive Strength			4	4	0	2	11	11	0	5	15	15	0	7
24.0 BENTONITE															
20.1	Density	MORT&H Sec. 1115.2.3	As required	261	261	0	96	15	15	0	8	276	276	0	104
20.2	Marsh Cone Viscosity			261	261	0	96	15	15	0	8	276	276	0	104
20.3	pH Value			261	261	0	96	15	15	0	8	276	276	0	104
20.4	Silt Content			15	15	0	6	0	0	0	0	15	15	0	6
20.5	Liquid Limit			18	18	0	7	0	0	0	0	18	18	0	7
25.0 Fine Aggregate MoRT&H 1008-(RE-Block)															
21.1	Grade / Sieve analysis	IS:2386 (Part1)	As required	468	468	0	142	49	49	0	24	517	517	0	166
21.2	Fineness Modulus	MORT&H Sec. 1008&383	As required	468	468	0	142	49	49	0	24	517	517	0	166
21.3	Specific gravity& Water absorption	IS:2386 (Part2)	As required	12	12	0	5	0	0	0	1	12	12	0	6
26.0 Coarse Aggregate MoRT&H 1007-(RE-Block)															
22.1	Gradation	IS:2386 (Part2)	As required	424	424	0	121	49	49	0	25	473	473	0	146
22.2	Specific gravity& Water absorption	IS:2386 (Part3)	As required	17	17	0	11	0	0	0	0	17	17	0	11
22.3	Aggregate Impact Value	IS:2386 (Part4)	1 test / each source & monthly	17	17	0	6	4	4	0	2	21	21	0	8

Date	Temperature (Celsius)		Humidity (%)		Rainfall (mm)	Remarks
	Min	Max	Min	Max		
01-03-20	24.5	33.9	59	80	0.00	SUNNY
02-03-20	23.9	33.9	48	88	0.00	SUNNY
03-03-20	24.0	32.7	45	84	0.00	SUNNY
04-03-20	24.2	33.5	48	85	0.00	SUNNY
05-03-20	23.4	32.3	47	82	0.00	SUNNY
06-03-20	23.4	33.6	39	82	0.00	SUNNY
07-03-20	23.3	33.5	40	85	0.00	SUNNY
08-03-20	23.4	33.9	39	82	0.00	SUNNY
09-03-20	24.5	32.7	59	85	0.00	SUNNY
10-03-20	23.9	33.5	48	88	0.00	SUNNY
11-03-20	24.3	31.8	49	89	0.00	SUNNY
12-03-20	23.4	31.1	50	83	0.00	SUNNY
13-03-20	24.5	32.0	62	82	0.00	SUNNY
14-03-20	23.9	31.5	60	85	0.00	SUNNY
15-03-20	22.5	33.5	40	79	0.00	SUNNY
16-03-20	22.7	33.3	45	80	0.00	SUNNY
17-03-20	22.8	33.8	40	81	0.00	SUNNY
18-03-20	22.9	33.2	42	83	0.00	SUNNY
19-03-20	23.1	33.7	46	86	0.00	SUNNY
20-03-20	22.7	34.0	49	90	0.00	SUNNY
21-03-20	22.6	33.6	50	87	0.00	SUNNY
22-03-20	22.9	33.2	42	84	0.00	SUNNY
23-03-20	23.4	33.0	41	83	0.00	SUNNY
24-03-20	23.2	32.9	46	81	0.00	SUNNY
25-03-20	23.0	33.7	48	80	0.00	SUNNY
26-03-20	24.5	33.9	59	80	0.00	SUNNY
27-03-20	23.9	33.9	48	88	0.00	SUNNY
28-03-20	24.0	32.7	45	84	0.00	SUNNY
29-03-20	24.2	33.5	48	85	0.00	SUNNY
30-03-20	22.9	33.2	42	83	0.00	SUNNY
31-03-20	22.9	33.2	42	83	0.00	SUNNY

Various issues related to environment and safety, such as traffic management, safety signage's, disposal of waste materials and oil spillage, housekeeping, area barricading and traffic management, etc., are being taken care of during the execution of the project.

Periodic Safety meetings being conducted on a regular basis and the details of the photographs for the same along with action taken are as below.

1. Safety Tool Box Meeting conducted for Sub Contractors regarding COVID-19 and its precautions at Ch. 145+000.

9. Support Required from NHAI

Concessionaire requests NHAI to take early action on the following issues:

1. Pending Disbursement of Payment to the beneficiaries from CALA towards Land and Buildings in Thanjavur District. – Request Authority to advise/instruct the Competent Authority of Land Acquisition to speed up the process of disbursement of pending payment.

2. Permission from Local Authorities for procurement of Borrow Earth for Irrigation Tanks.

3. Rerouting of existing canal between Km.146+600 to 148+100

4. NOC from PWD/WRO, Govt. of Tamil Nadu for construction of Minor Bridge (07 Nos) and Major Bridge (04 Nos)

5. NOC from PWD/WRO, Govt. of Tamil Nadu for construction of project highways in the existing ponds (in a length of 1.667 Kms).

6. Removal/relocation of existing irrigation sluice and regulator in the locations of Km: 150+800, Km: 152+900 & Km: 134+770.

7. Additional land acquisition for Toll plaza location, Bus bays. Turning radius at Major junctions.

8. Permission for Removal of Teak wood trees from the Project Highway in length of 680m.

9. Removal of Religious structures of 13 Nos. and Bus stand from the proposed ROW.

10. Removal of Government Buildings like VAO office, School, Post Office & Ration Shop etc. in 15 nos. of locations.

11. Removal of unauthorized occupations in 25 nos. of locations in the project highways.

12. Required State Support Agreement between NHAI & Govt. of Tamil Nadu as due priority will be given to NH Projects by the State Govt. officials.

13. Removal of Fuel Stations at Km: 120+400, Km: 128+850 and Km: 122+450.

14. Revised Estimates for Electrical Shifting due to non-available of vertical clearance – Request Authority for earlier Approval.

15. Removal of Existing Motor Rooms of 22 nos. from the project highway. – Request Authority to advise/instruct the competent department to take the possession of land.

16. World Health Organization (WHO) has characterized the Novel Coronavirus Disease (COVID-19) outbreak as a global Pandemic. Following the WHO's announcement, the Union Government of India had invoked Epidemic Disease Act on 12.03.2020. In this regard, Ministry of Home Affairs on 24.03.2020 has directed to enforce lock down in all parts of the India and this order shall remain in force for a period of 21 days with effect from 25.03.2020 i.e. up to 14.04.2020. Due to this the entire project activities are stopped. – Request Authority to consider this unforeseen event as an force majeure event and provide suitable reimbursement for the same.

17. Hindrances/Occupations/Land Acquisition issues in the following locations due to various reasons,

Sl. No	From	To	Effected Length in (M)	Nature of Hindrance	Survey No	Name of Village	Name of Land Owner
1	138+400	138+480	520 m	Court Stay	4/4A	Thiruvalanzuli	Mr.Dharmalingam
2	138+500	138+540		Court Stay	-	Thiruvalanzuli	Mr.Shanmugam
3	138+750	138+850	500 m	Court Stay		Thiruvalanzuli	Mr.Dhahshnamoorthy , Mr.Rajini, Mr.nagaraj
4	142+100	142+200	500 m	Payment Issue	326/1, 326/2, 326/3, 326/4, 326/5, 326/ 6	Gopurajapuram	Mr.Pakir Mohammed
5	161+100	161+200	1000 m	LA issues	3/1A,3/1B	Kadakadapai	Ms Tamilselvei
Total Effected Length in Meters			2520				

Table 10.1. Details of Important Events

Sl. No	Date of Events	Description of Events	Remarks
1)	16.03.2020	Progress Review Meeting conducted by TL at IE office, Thanjavur	

11. Organization Chart

The following figures represent the organization structure of the EPC and SPV Team.

1. Fig. 4 - Organization Chart - EPC Team

2. Fig. 5 - Organization Chart - SPV Team

Figure 4 - ORGANAIZATION CHART - EPC TEAM

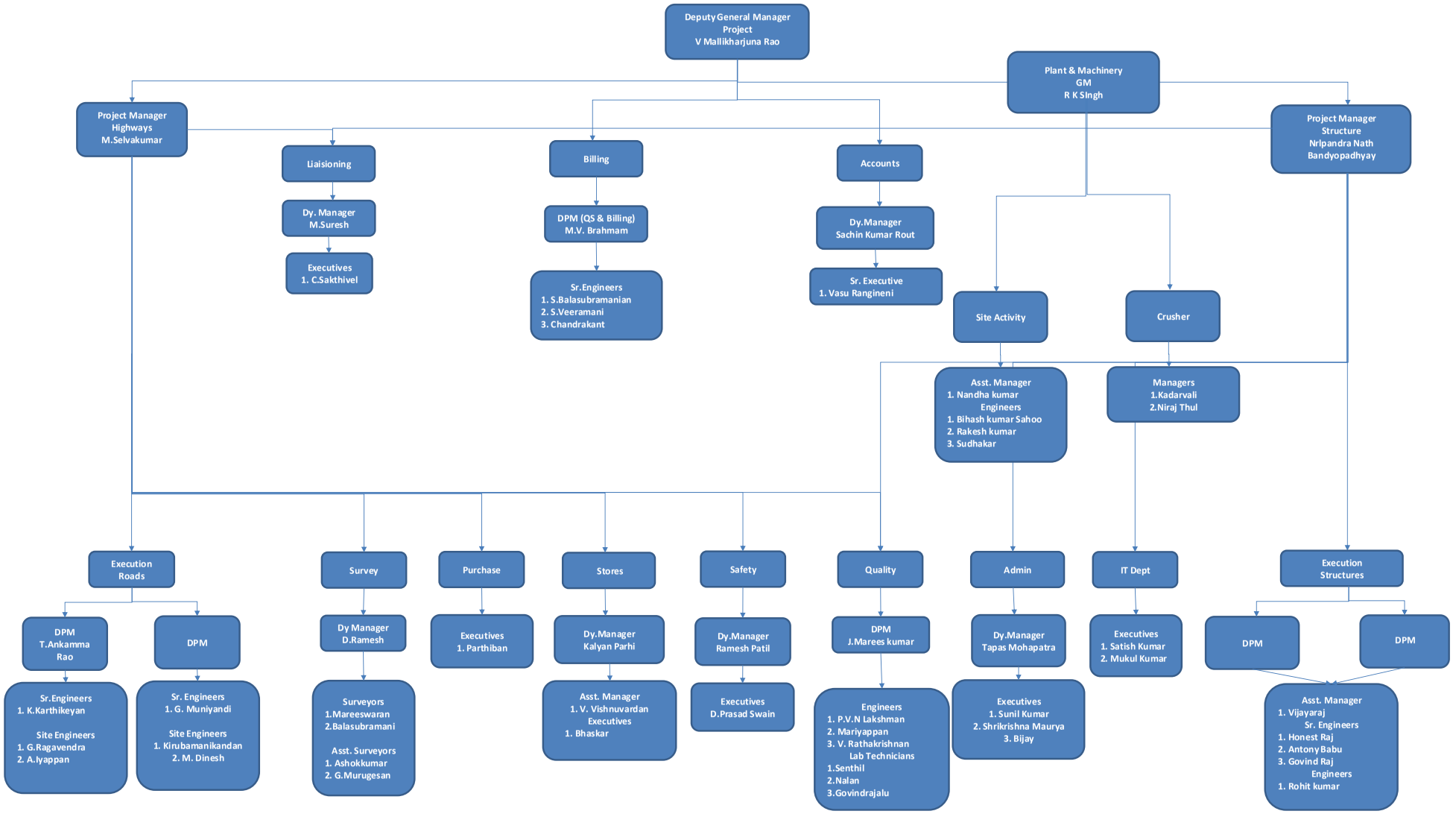
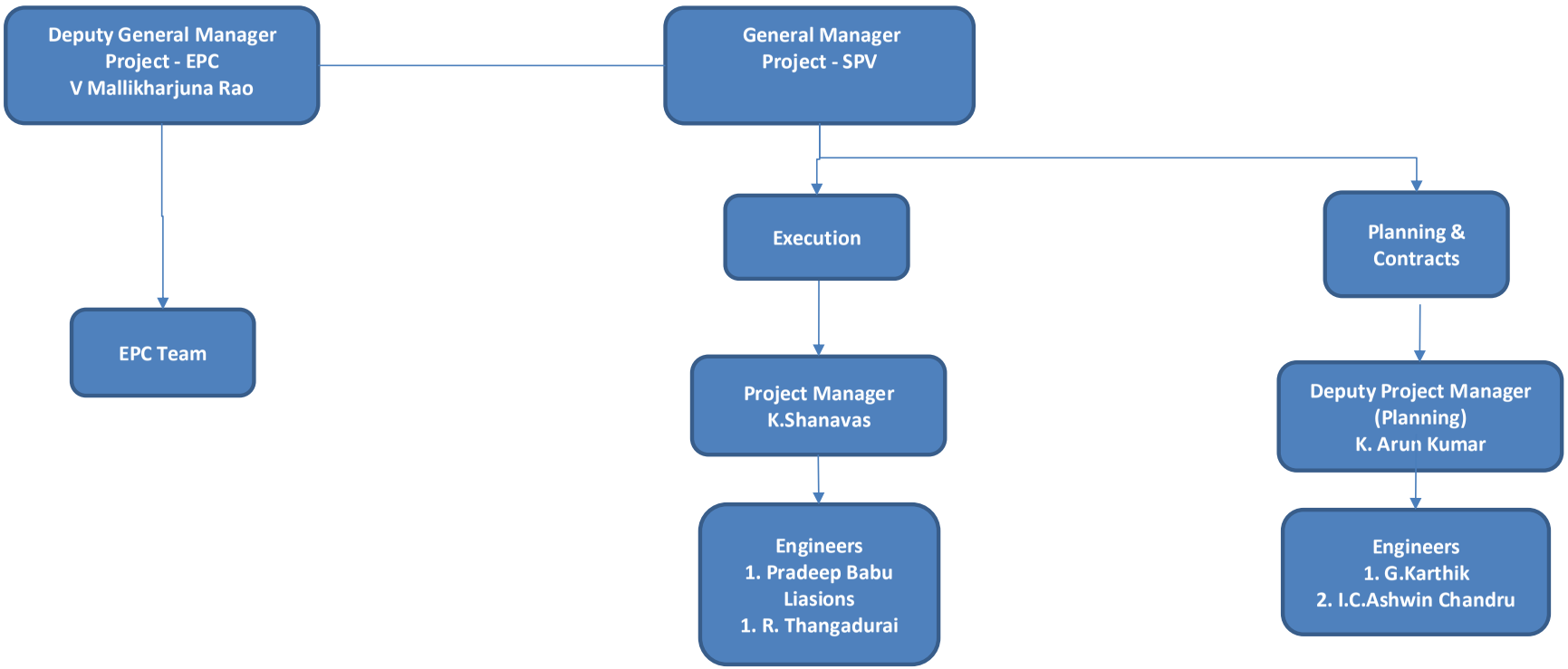


Figure 5 - ORGANAIZATION CHART - SPV TEAM



S.No	Name of the Machinery	Capacity / Model	Mobilized at Site	Remarks
1	Grader	120K2	5	
2	Excavator/JCB	JCB-220	6	
3	Dozer		1	
4	Soil Compactor	HAMM 311	4	
5	Backhoe Loader	JCB 3DX	5	
6	Tipper	Bharat Benz- 3128C	16	
7	Transit Mixer	2523C	11	
8	Loader	455 ZX	6	
9	Trailer		3	
10	Water Tanker		8	
11	Diesel Tanker		3	
12	Boom Placer	S-36	1	
13	Tractor	5036 D V-2	3	
14	Mobile Service Van		1	
15	Tower Light	AJASKY	3	
16	Hydra Crane		4	
17	Asphalt Batch Mix Plant		1	
18	Wet Mix Plant	250 TPH	1	
14	Concrete Batch Mix Plant 45 cum	45 cum	2	
15	Concrete Batch Mix Plant 60 cum	60 cum	1	
16	Crusher Plant (3 Stage)	250 TPH	3	
17	Weigh Bridge for Camp 100MT	100MT	2	
18	Weigh Bridge for Crusher 100MT	100MT	1	
19	Genset Base Camp	25KV	2	
20	Genset (Crusher) 63KVA	63KVA	3	
21	Genset (H.M & B/P)	82.50KV	3	
22	Genset (B/P-CP-45)	125KV	1	
23	Genset 650 KVA	650 KVA	1	
26	Genset (Crusher)	1010KVA	3	
27	Genset 15KVA	15KVA	1	

Table 13.1 - Status of Change of Scope Proposals

Sl. No.	Proposal Details	Date of Proposal	Current Status	COS Amount	Actual Date of Approval
1	Replacement of Pipe Culvert with box Culvert	25.04.2018	Approved in-principle by Authority. Preparation of Details Quantities in proper order is in Progress	3.78 Cr.	NA
2	Upgradation strengthening the Incident Management services.	10.05.2019	IE recommended to Authority vide ref.148 for issuance under COS and is under scrutiny with Authority	NA	NA
3	Construction of Major Bridge at Km 131+963- under Change of Scope	01.06.2019	IE recommended to Authority vide ref.141 for issuance under COS.	NA	NA

14. Details of Correspondences

The following tables list out the correspondences between the parties.

Table 14.1. - Concessionaire to NHAI

Table 14.2. - NHAI to Concessionaire

Table 14.3. - Concessionaire to Independent Engineer

Table 14.4. - Independent Engineer to Concessionaire

Project Name:- Four Laning of Cholopuram – Thanjavur from Km. 116.440 to 164.275 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity				
TABLE 14.1 - CORRESPONDANCE - CONCESSIONAIRE TO NHAI				
S.No	**Date**	**Letter No**	**Subject**	**Remarks**
1	05-03-2020	PCTHPL/CTP/NHAI/2020/675	Resubmission of R.A.Bill No.04 – Shifting of Water Supply as per Cl.11.2.1 of Concession Agreement.	
2	21-03-2020	PCTHPL/CTP/NHAI/2020/690	Regarding Lock down of the Project Site due to Janta Curfew on 22.03.2020.	
3	24-03-2020	PCTHPL/HO/CTP/PIU/015/2020	Lock down the Project Site up to 31.03.2020 due to COVID-19	
4	26-03-2020	PCTHPL/HO/CTP/PIU/016/2020	Regarding Lock down the Project Site for 21 days effective from 25.03.2020	

Project Name:- Four Laning of Cholopuram – Thanjavur from Km. 116.440 to 164.275 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity				
TABLE 14.2 - CORRESPONDANCE - NHAI TO CONCESSIONAIRE				
S.No	**Date**	**Letter No**	**Subject**	**Remarks**
1	07-03-2020	NHAI/PIU/Thanj/11026/13/2018/493	Shifting of water supply Utilities	
2	07-03-2020	NHAI/PIU/Thanj/11026/28/2018/502	Disruption of Construction activities between km 154+000 to 155+650 by the land owners-Report Called for	
3	07-03-2020	NHAI/PIU/Thanj/11026/06/2018/503	Requesting for Median Opening near hotel madhanam Inn	
4	09-03-2020	NHAI/PIU/Thanj/11026/05/2009/533	Consumer council-Quarterly meeting to be conducted-representation-reply requested	

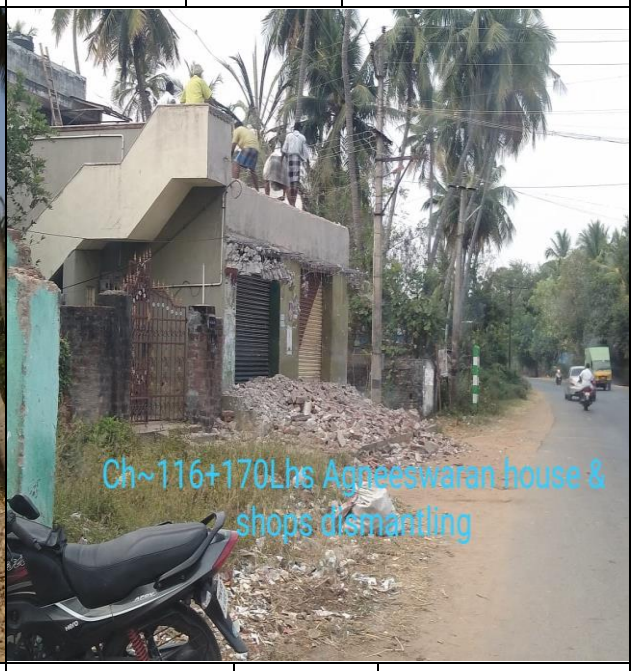
Project Name:- Four Laning of Cholopuram – Thanjavur from Km. 116.440 to 164.275 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity				
TABLE 14.3 - CORRESPONDANCE - CONCESSIONAIRE TO INDEPENDENT ENGINEER				
S.No	**Date**	**Letter No**	**Subject**	**Remarks**
1	05-03-2020	PCTHPL/CTP/IE/2020/676	Technical Details of Epoxy Resin Adhesive for fixing of Elastomeric Bearing	
2	05-03-2020	PCTHPL/CTP/IE/2020/677	News published in Dinamalar Daily-News Paper cutting received from District Collector, Thanjavur Status report called for	
3	05-03-2020	PCTHPL/CTP/IE/2020/678	Submission of Monthly Progress Report for the Month of February 2020	
4	11-03-2020	PCTHPL/CTP/IE/2020/680	Reply - Factory Inspection Report - Ms Polymer Products	
5	11-03-2020	PCTHPL/CTP/IE/2020/681	Non Conformance Report No. 16 regarding shabby work of PCC laying for Box Culvert at Ch. 160+ 176 -Compliance Report	
6	13-03-2020	PCTHPL/CTP/IE/2020/682	Compliance Report- Design & Drawing of proposed Major Bridge cum VUP at Km. 156+584	
7	13-03-2020	PCTHPL/CTP/IE/2020/683	Submission of Soil Test Report for the Borrow Area No.39	
8	13-03-2020	PCTHPL/CTP/IE/2020/684	Submission of Soil Test Report for the Borrow Area No.08 (Extension-03)	
9	14-03-2020	PCTHPL/CTP/IE/2020/685	Compliance of observations raised on Design & Drawings of 11 Nos. of Minor Bridges at Service Road portion	
10	14-03-2020	PCTHPL/CTP/IE/2020/686	Submission of Design and drawings of Major Bridge at Km.131+980, 161+030	
11	16-03-2020	PCTHPL/CTP/IE/2020/687	Review of design and drawing for MNB at Ch 143+115, 144+880, 155+049 and 162+618	
12	16-03-2020	PCTHPL/CTP/IE/2020/688	Review of Design and Drawing for MNB at Km.134+320, 152+911, 133+345 and 159+541	
13	16-03-2020	PCTHPL/CTP/IE/2020/689	Submission of Design and Drawings for 05 Minor Bridge in service road portion	

Project Name:- Four Laning of Cholopuram – Thanjavur from Km. 116.440 to 164.275 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity				
TABLE 14.4 - CORRESPONDANCE - INDEPENDENT ENGINEER TO CONCESSIONAIRE / NHAI				
S.No	**Date**	**Letter No**	**Subject**	**Remarks**
1	03-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/541	Review of Factory Inspection Report – Ms. D.P Wires Limited	
2	03-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/542	Review of Factory Inspection Report – Ms. Kataria Industries Pvt Ltd	
3	03-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/543	Compliance of observation raised on design & drawings of A1-P1 span in Major Bridge at Ch.161+030	
4	03-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/544	Review of revised design & drawings of Major Bridge at Ch. 131+980	
5	03-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/545	Compliance report - design & drawings of Major Bridge cum VUP at Km. 156+584	
6	03-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/546	Review of Revised design & drawings of Major Bridge at Km 149+355	
7	04-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/547	Provisional Approval of Concrete Mix Design M20 (RCC)	
8	04-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/548	Proposal for use of Plastic waste in DBM in the Project Highway	
9	07-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/550	Non Conformance Report No.16 for shabby work of PCC laying for Box culvert at Ch.160+176 RHS	
10	07-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/551	Quality Concern over PSC Girders Casting Works	
11	09-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/552	Compliance Report - Design & Drawings of Major Bridge Cum VUP at Km.156+584	
12	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/553	Reinforcement cut in retaining wall of MNB @ Ch. 119+570 (BHS) causing shortfall in lap length for further concrete – NCR No.17	
13	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/554	Reinforcement cut in retaining wall of MNB @ Ch. 118+110 (LHS) causing shortfall in lap length for further concrete – NCR No.18	
14	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/555	Review of Road Furniture Drawings for the Project Highway	
15	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/556	Compliance of observation raised on design & drawings of 11 Nos of Minor Bridges at service road portion of Project Highway	
16	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/557	Review of Design & Drawings for 05 Nos of Minor Bridges in service road portion	
17	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/558	Review of Design & Drawings for MNBs at Ch. 134+320, 152+911, 133+345 and 159+541	

S.No	Date	Letter No	Subject	Remarks
18	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/559	Review of Revised Design & Drawings of Pile Cap for GSI at Ch. 117+600	
19	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/560	Review of Design & Drawings for MNBs at Ch. 143+115, 144+880, 155+049 and 162+618	
20	11-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/562	Review of Revised Design & Drawing of major Bridge at Km 149+355	
21	13-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/563	Review of RE Wall drawings for VUP at Ch 156+475	
22	13-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/564	Review of RE Wall drawings at km 145+176	
23	20-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/572	Submission of Design and Drawings for 05 Minor Bridge in service road portion	
24	20-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/573	Review of design and drawing for MNB at Ch 143+115, 144+880, 155+049 and 162+618	
25	20-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/574	Review of Design and Drawing for MNB at Km.134+320, 152+911, 133+345 and 159+541	
26	24-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/575	Compliance Report- Design & Drawing of proposed Major Bridge cum VUP at Km. 156+584	
27	26-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/576	Compliance of observations raised on Design & Drawings of for MNBs at Service Road portion at Km 117.764, Km 134.770 Km 138.555, Km 141.164, Km 141.727 and Km 156.014	
28	30-03-2020	THEME/NHAI/CHO-TNJR/CON/0320/577	Submission of Design and drawings of Major Bridge at Km.131+980, 161+030	

15. Progress Photographs

Sl. No	Description	Location	Side	Remarks
1.	DISMANTLING OF EXISTING STRUCTURES IS IN PROGRESS	160+180	RHS	
2.	DISMANTLING OF EXISTING STRUCTURES IS IN PROGRESS	116+170	LHS	



Sl. No	Description	Location	Side	Remarks
3.	DISMANTLING OF EXISTING STRUCTURES IS IN PROGRESS	117+520	LHS	
4.	DISMANTLING OF EXISTING STRUCTURES IS IN PROGRESS	121+400	RHS	

Sl. No	Description	Location	Side	Remarks
5.	MAINTAINENCE OF EXISTING ROAD IS IN PROGRESS			
6.	MAINTAINENCE OF EXISTING ROAD IS IN PROGRESS			

Sl. No	Description	Location	Side	Remarks
7.	DBM IS IN PROGRESS	162+950	RHS	
8.	KERB LAYING IS IN PROGRESS	162+800	RHS	

Sl. No	Description	Location	Side	Remarks
9.	CTSB 2nd LAYER CURING IS IN PROGRESS	163+880	LHS	
10.	CTSB 1ST LAYER WORK INPROGRESS	123+020	RHS	

Sl. No	Description	Location	Side	Remarks
11.	WMM TOP LAYER COMPLETED	163+850	LHS	
12.	SUBGRADE LAYER WORK IN PROGRESS	161+800	RHS	

Sl. No	Description	Location	Side	Remarks
13.	BOX CULVERT – WALL REINFORCEMENT IS PROGRESS	160+176	LHS	
14.	BOX CULVERT – SLAB REINFORCEMENT IS COMPLETED	159+385	LHS	

Sl. No	Description	Location	Side	Remarks
15.	BOX CULVERT – RAFT REINFORCEMENT IS IN PROGRESS	160+445	RHS	
16.	BOX CULVERT – WALL SHUTTERING IS IN PROGRESS	160+350	LHS	

Sl. No	Description	Location	Side	Remarks
17.	MNB – WALL CONCRETING IS IN PROGRESS	158+994	RHS	
18.	MNB – SLAB REINFORCEMENT IN PROGRESS	158+994	LHS	

Sl. No	Description	Location	Side	Remarks
19.	PUP – BRACKET DESHUTTERING IN PROGRESS	147+951	BHS	
20.	PUP – SLAB REINFORCEMENT IN PROGRESS	147+951	RHS	

Sl. No	Description	Location	Side	Remarks
21.	GSI- GIRDER WORK IN PROGRESS	134+028		
22.	GSI- PSC GIRDER CASTING IN PROGRESS	134+028		

Sl. No	Description	Location	Side	Remarks
23.	MJB- INITIAL PILE LOAD TEST IN PROGRESS	161+030		
24.	MJB- PILE BORING IN PROGRESS	156+584		

Sl. No	Description	Location	Side	Remarks
25.	VUP – GIRDER ERECTION COMPLETED	136+307		
26.	VUP – CROSS GIRDER REINFORCEMENT IS IN PROGRESS	136+307	RHS	

Sl. No	Description	Location	Side	Remarks
27.	VUP – GIRDER CONCRETING COMPLETED	141+470		
28.	VUP – GIRDER CONCRETING IN PROGRESS	126+093