



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

JUNE 2020

Table of Content

Table of Content	02
List of Tables	03
List of Figures	03
Executive Summary	04
Project Synopsis	04
1. Background and Project Details	09
1.1. Project Overview.....	09
1.2. Salient Project Features	10
1.3. Contractual Project Milestones	11
1.4. Payment Milestones During Construction Period.....	11
1.5. Permits & Approvals.....	12
2. Right of Way Status	13
2.1. Land Acquisition	13
2.2. Removal of Religious Structures.....	16
2.3. Shifting of Utilities and Electrical HT/LT Lines	16
2.4. Tree Felling.....	17
3. Progress Briefing – Contractor Activities	40
3.1. Pre-Construction Activities	40
4. Physical Progress of Work	41
4.1. Physical Progress of Work	41
5. Financial & Physical Progress of Work.....	67
6. Quality Control and Quality Assurance	69
6.1. List of Lab Equipment's	69
6.2. Quality Control Test Summary	73
7. Weather Report	79
8. Safety	80
9. Support required from NHAI	81
10. Important Events.....	83
11. Organization Chart.....	84
12. List of Plants, Machinery and Equipments.....	87
13 Change of Scope Proposals	88
14 Details of Correspondences.....	89
15 Progress Photographs.....	94

List of Tables

Table 1.1: Details of Project Alignment	07
Table 2.1-1: Details of proposed ROW as per Schedule-A	13
Table 2.1-2: Status of Land Acquisition	13
Table 2.1-3: Compensation disbursement for land	14
Table 2.1-4: Compensation disbursement for Structures	14
Table 2.1-5: Details of Stretches under Hindrance	14
Table 2.2-1: Status of Removal of Religious structures	19
Table 2.3-1: Status of sanction of Estimates - Relocation of RWS Pipe Line	16
Table 2.3-2: Status of sanction of Estimates- Electrical Lines Relocation	16
Table 2.3-3: Status of Utility Relocation	16
Table 2.4-1: Status of Tree Cutting	16
Table 3.1-1: Status of Design and Drawings -Highway	17
Table 3.1-2: Status of Design and Drawings - Structures	40
Table 4.1 : Physical Progress of Works	40
Table 4.2 : Strip Chart for Highway Works	41
Table 4.3 - 1 : Strip Chart for status of Box Culverts on Existing Road	45
Table 4.3 - 2 : Strip Chart for status of Box Culverts on Bypass	58
Table 4.3 - 3 : Strip Chart for status of MNB	59
Table 4.3 - 4 : Strip Chart for status of PUP	60
Table 4.3 - 5 : Strip Chart for status of MNB	62
Table 4.3 - 6 : Strip Chart for status of FLYOVER	63
Table 4.3 - 7 : Strip Chart for status of VUP	64
Table 4.3 - 8 : Strip Chart for status of ROB	65
Table 6.1 - 1 QA/QC Lab Equipment at Pateeswaram Lab	66
Table 6.2-1: Summary of Quality Control Tests	69
Table 10.1 : Details of Important Events	74
Table 12.1 - List of Plants, Machinery and Equipment's	83
Table 13.1 - Status of Change of Scope Proposals	87
Table 14.1. - Concessionaire to NHAI	88
Table 14.2. - NHAI to Concessionaire	90
Table 14.3. - Concessionaire to Independent Engineer	91
Table 14.4. - Independent Engineer to Concessionaire	92
	93

List of Figures

Figure 1 : Project Location Map	05
Figure 2 : Project Alignment Map	06
Figure 3a : Financial Progress - Planned vs Achieved	68
Figure 3b : Physical Progress - Planned vs Achieved	68
Figure 4 : Organization Chart - EPC Team	85
Figure 5 : Organization Chart - SPV Team	86

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

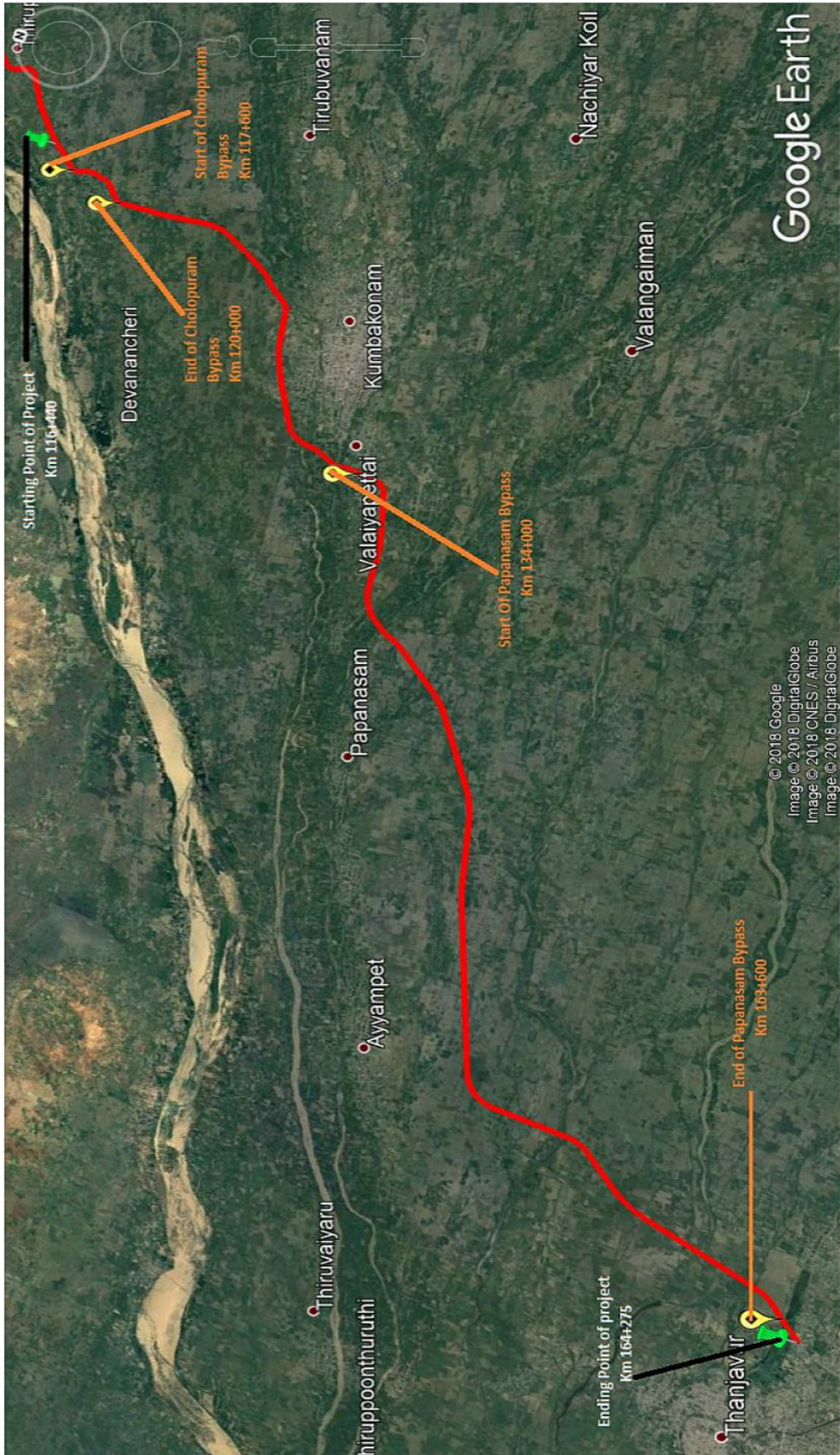
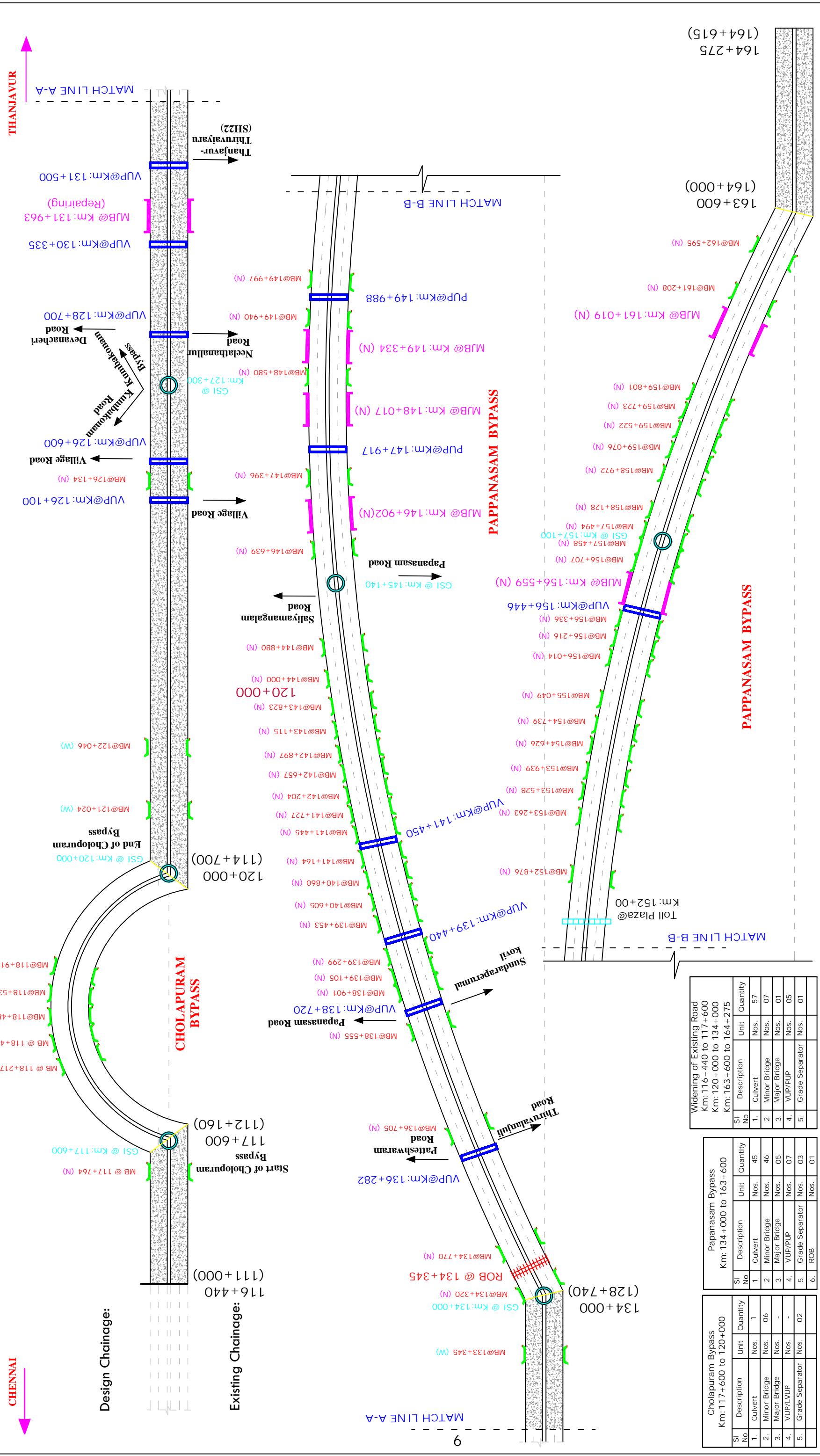


Table- 01: Details of Project Alignments

STRIP PLAN - CHOLAPURAM TO THANJAVUR HIGHWAY PROJECT OF NH45 C



CHENNAI

THANJAVUR

Design Chainage:

Existing Chainage:

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

SI No	Description	Unit	Quantity
1.	Culvert	Nos.	Nos. 45
2.	Minor Bridge	Nos.	Nos. 46
3.	Major Bridge	Nos.	Nos. 01
4.	VUP/LVUP	Nos.	Nos. 07
5.	Grade Separator	Nos.	Nos. 03
6.	ROB	Nos.	Nos. 01

SI No	Description	Unit	Quantity
1.	Culvert	Nos.	Nos. 1
2.	Minor Bridge	Nos.	Nos. 06
3.	Major Bridge	Nos.	Nos. -
4.	VUP/LVUP	Nos.	Nos. -
5.	Grade Separator	Nos.	Nos. 02

Drawing Title
Strip Plan - Cholapuram to Thanjavur Highway Project

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

Salient Features of Project:

SI 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/Ship Road	Km	27.100
5.	Culverts	Nos.	74
6.	Slab Culvert	Nos.	29
7.	Minor Bridge	Nos.	59
8.	Major Bridge	Nos.	06
9.	VUP/PJP	Nos.	12
10.	Grade Separated Structure	Nos.	06
11.	Minor Intersection	Nos.	22
12.	Major Intersection	Nos.	20
13.	Bus Bays and Shelters	Nos.	05
14.	Toll Plaza	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

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, 6 th 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	04.04.2021
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 214 th day from the Appointed Date.	07 th April 2019	11 th 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 334 th day from the Appointed Date	05 th August 2019	10 th 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 584 th day from the Appointed Date	11 th April 2020	15 th January 2021
Scheduled Completion	Concessionaire shall have completed Project on 730 th day from the Appointed Date	04 th September 2020	10 th 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)	Remarks
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	124.700 to 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 O4.

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 Chainage under hindrance due to such balance compensation issues to their land owners, structure payment issues, standing crops, water pipe lines etc. which are jointly inspected by the Independent Engineer and Authority are as below –

Package III - Cholapuram to Thanjavur Highway Project

Hindrance List - LHS

Sl.No	Affected Length in M			Remarks	Hindrances			Survey No	Present Status/Remarks
	From	To	Actual Length		From	To	Length		
1	116400	117230	830	Buildup area, payment not made by the authority and not handed over to the concessionaire.	116400	117230	830	48, 48/4, 48/24, 48/2A2, 49/11A, 49/7A2B, 49/7, 49/1D2B, 49/11, 130/1AB, 130/1A1, 130/1, 121/18, 121/10, 120/20	Buildup area, payment not made by the authority and not handed over to the concessionaire.
2	117230	117600	370	Buildup area, payment not made by the authority and not handed over to the concessionaire. No sufficient land for service road construction to take up the RE wall in main carriageway. As diversion of traffic is not possible for the running traffic.	117230	117600	370	120/21	Buildup area, payment not made by the authority and not handed over to the concessionaire. No sufficient land for service road construction to take up the RE wall in main carriageway. As diversion of traffic is not possible for the running traffic.
3	120000	120420	420	Compensation not yet Paid for Existing Buildings due to internal court case – document problem. A2 RE Wall approach cannot be done.	120000	120420	420	134/1B, 134/1A, 134/1B2	Compensation not yet Paid for Existing Buildings due to internal court case – document problem. A2 RE Wall approach cannot be done.
4	120450	120710	260	(i) Compensation for Existing building on LHS side is yet to be paid due to court case and document issues. (ii) In LHS Existing pond is not available in mentioned chainages. (iii) Utility work could not be taken up due to the hindrances, to complete the network (PVC & DI pipes on both sides of the road) (iv) Petrol Bunk could not be dismantled due to electrical shifting	120450	120710	260	48/1B, 48/3A2, 48/3B, 2B, 48/7, 48/7A	(i) Compensation for Existing building on LHS side is yet to be paid due to court case and document issues. (ii) In LHS Existing pond is not available in mentioned chainages. (iii) Utility work could not be taken up due to the hindrances, to complete the network (PVC & DI pipes on both sides of the road) (iv) Petrol Bunk could not be dismantled due to electrical shifting
5	121250	121350	100	Compensation for Land and Fencing on LHS side is yet to be paid. Utility work could not be taken up due to the hindrances, to complete the network (PVC & DI pipes on both sides of the road) Payment to the paddy fields is yet to be paid.	121250	121350	100	-	Compensation for Land and Fencing on LHS side is yet to be paid. Utility work could not be taken up due to the hindrances, to complete the network (PVC & DI pipes on both sides of the road) Payment to the paddy fields is yet to be paid.
6	121550	121650	100	Compensation for Dhroupathiamman temple is yet to be paid. Utility work could not be taken up due to the hindrances, to complete the network (PVC & DI pipes on both sides of the road) Compensation for Existing building on LHS side is yet to be paid due to document issues.	121550	121650	100	159/3A	Compensation for Dhroupathiamman temple is yet to be paid. Utility work could not be taken up due to the hindrances, to complete the network (PVC & DI pipes on both sides of the road) Compensation for Existing building on LHS side is yet to be paid due to document issues.
7	122000	122100	100	One temple & tree are to be removed	122000	122100	100		One temple & tree are to be removed
8	125370	125450	80	Compensation to Sundareswara Swami Devasthanam is pending with HR & CE.	125370	125450	80	136/2B2, 159/1A1B, 159/1R1B, 159/1R2B	Compensation to Sundareswara Swami Devasthanam is pending with HR & CE.

Hindrance List - LHS

SI.No	Affected Length in M			Remarks	Hindrances			Survey No	Present Status/Remarks
	From	To	Actual Length		From	To	Length		
9	125580	125600	20	Unpaid Empty Land, Compensation for Existing building is yet to be paid.	125580	125600	20	161/12, 161/1B, 161/10B, 164	Unpaid Empty Land, Compensation for Existing building is yet to be paid.
10	125820	125840	20	School Building, A1 RE Wall approach	125820	125840	20		School Building, A1 RE Wall approach
11	125700	126100	400	VUP at 126+100 A2 RE wall work can't be taken up due to utility shifting work and service road construction work is pending due to hindrance. Compensation for Existing building is yet to be paid due to court case and document issues.	125950	126010	60	174/12, 174/9	Compensation for Existing building is yet to be paid due to court case and document issues.
12	128300	129100	800	(ii) Petrol bunk & Land Compensation are yet to be paid.	128400	128415	15		(i)Km 128+400 Temple to be removed (ii) Petrol bunk & Land Compensation are yet to be paid. (iii) Devar Statue yet to be removed
				(iii) A1 & A2 RE Wall work cannot be take-up.(iv) Devar Statue yet to be removed Utility shifting work can't be taken up due to hindrances additional land required for service road construction and take up the RE wall work.	128780	128910	130		
13	129970	130330	360	A1 RE Wall works cannot be taken-up. Compensation for Existing building is yet to be paid due to document issues- Revaluation is given.	130290	130310	20	9/7B, 9/8B1	Compensation for Existing building is yet to be paid due to document issues- Revaluation is given.
14	131500	131850	350	Compensation not yet paid for land. A2 side RE wall work can't be started due to no configure stretch for the construction of service road for traffic diversion.	131790	131850	60		Compensation not yet paid for land.
15	133580	134000	420	Compensation not yet paid for land & Structures, Existing irrigation sluices at km 134+770 to be relocated. A1 RE wall of 134+000 GSI work could not be able to take up due to hindrance.	133610	133645	35	185, 187/B, 187/C	Compensation not yet paid for land & Structures, Existing irrigation sluices at km 134+770 to be relocated.
					134750	134790	40		
16	138300	138530	230	Land on dispute court issue (Mr. Dharmalingam & Mr. Shanmugam)	138300	138530	230	4/4A	Land on dispute court issue (Mr. Dharmalingam & Mr. Shanmugam)
17	138700	139200	500	Land on dispute court case Mr. Dhaeshinamoorthy , Mr. Rajini Mr. Nagaraj) RE wall work can't be taken up due to hindrances.	138770	138820	50		Land on dispute court case Mr. Dhaeshinamoorthy , Mr. Rajini Mr. Nagaraj)
18	145480	145530	50	Teak wood trees to be removed	145480	145530	50		Teak wood trees to be removed
19	147400	147450	50	Teak wood trees to be removed	147400	147450	50		Teak wood trees to be removed
20	147660	148000	340	Obstruction of existing irrigation canal needs to be relocated. RE wall can't be taken up due to hindrances.	147850	148150	300		Obstruction of existing irrigation canal needs to be relocated.
21	149330	149340	10	Teak wood trees to be removed	149330	149340	10		Teak wood trees to be removed
22	150800	150900	100	Existing Irrigation sluice to be relocated	150800	150850	50		Existing Irrigation sluice to be relocated
23	152800	152900	100	Existing Irrigation sluice to be relocated	152900	152930	30		Existing Irrigation sluice to be relocated
24	154500	154900	400	Vaiyacheri Village land on Dispute	154500	154900	400		Vaiyacheri Village land on Dispute
25	156420	156500	80	Teak wood trees to be removed	156420	156500	80		Teak wood trees to be removed
26	161100	161220	120	Land on dispute court issue Ms Tamilselvi	161100	161220	120		Land on dispute court issue Ms Tamilselvi
Total Length in M (LHS)			6610		Total	4040			

Package III - Cholapuram to Thanjavur Highway Project

Hindrance List - RHS

Sl. No	Affected Length in M			Remarks	Hindrances			Survey No	Present Status/Remarks
	From	To	Actual Length		From	To	Length		
1	116400	117600	1200	Buildup area, payment not made by the authority and not handed over to the concessionaire. No land for construction of service road for taking up the RE wall construction.	116400	117230	830	58/7B8B, 57/7A, 53/10, 127/19, 127/15A, 127/11A, 127, 123, 117/15, 1176H, 116/2A, 117/6B, 117/5C2A	Buildup area, payment not made by the authority and not handed over to the concessionaire.
					117230	117600	370		
2	120000	120390	390	Compensation not yet Paid for the Lands, Existing Buildings, ponds & temples. Utility work can't be completed due to hindrance so, can't building service road and RE wall work. A2 RE Wall Approach of 120+000 GSI cannot be taken up	120000	120390	390	29/4A1B, 29/4A1B1, 29/4A1E, 28/4D1, 28/4D2, 26/3A	Compensation not yet Paid for the Lands, Existing Buildings, ponds & temples. Utility work can't be completed due to hindrance so, can't building service road and RE wall work. A2 RE Wall Approach of 120+000 GSI cannot be taken up
3	120465	120740	275	Compensation not yet Paid for the Existing Buildings because of court case & Ponds is located in mentioned chain ages.	120465	120650	185	32/7A, 32/9A, 325/5E, 26/2B, 26/2B1	Compensation not yet Paid for the Existing Buildings because of court case & Ponds is located in mentioned chain ages.
					120650	120740	90		Tank has to be dismantled
4	120900	121000	100	Paddy Field	120900	121000	100		Paddy Field
5	122080	122120	40	Vanakaliamman temple (km 122+080) on RHS side with banyan tree compensation to be paid, water pipeline.	122080	122120	40		Vanakaliamman temple (km 122+080) on RHS side with banyan tree compensation to be paid, water pipeline.
6	125050	125150	100	Toyoto showroom yard on RHS Side with fencing compensation to be paid	125050	125150	100		Toyoto showroom yard on RHS Side with fencing compensation to be paid
7	125580	125680	100	Compensation not yet Paid for the Existing Buildings due to document issues. Temple (Km 125+670) Compensation not yet paid & Existing building are in Dismantling progress.	125580	125680	100	164	Compensation not yet Paid for the Existing Buildings due to document issues. Temple (Km 125+670) Compensation not yet paid & Existing building are in Dismantling progress.
8	125700	126100	400	(i) Compensation not yet paid Existing Building. (ii) Compensation are paid & Dismantling in progress (Including Toyota showroom). (iv) A1 RE Wall approach 125+700 to 126+100 and half of 126+100 VUP work cannot be taken up.	125810	125830	20	454/9, 454/15	(i) Compensation not yet paid Existing Building. (ii) Compensation are paid & Dismantling in progress (Including Toyota showroom).
9	129970	130335	365	Compensation pending for Structures due to LPS issues. RE wall can't be taken up due to non availability of land for service road portion. A1 RE Wall approach (129+970 to 130+335) of 130+335 VUP cannot be taken up	130210	130300	90	9/17, 9/34, 9/4	Compensation pending for Structures due to LPS issues. RE wall can't be taken up due to non availability of land for service road portion.


Hindrance List - RHS





Sl.No	Affected Length in M			Remarks	Hindrances			Survey No	Present Status/Remarks
	From	To	Actual Length		From	To	Length		
10	131500	131850	350	A2 RE Wall approach (131+500 to 131+850) of 131+500 VUP cannot be taken up	131790	131850	60		(i)Compensation not yet paid Existing Building.
11	132770	132790	20	Compensation pending for Structures due to LPS issues.	132770	132790	20	115/3	Compensation pending for Structures due to LPS issues.
12	138400	138480	80	Land on dispute court issue (Mr. Dharmalingam & Mr. Shanmugam)	138400	138480	80	4/4A	Land on dispute court issue (Mr. Dharmalingam & Mr. Shanmugam)
13	138750	139300	550	Land on dispute court case Mr. Dhaeshinamoorthy , Mr. Rajini Mr. Nagaraj) RE wall work could not be taken up due to hindrance at this location.	138770	138820	50		Land on dispute court case Mr. Dhaeshinamoorthy , Mr. Rajini Mr. Nagaraj)
14	139450	139470	20	Existing (TWAD) Pump house to be shifted	139450	139470	20		Existing (TWAD) Pump house to be shifted
15	146600	147000	400	Obstruction of Existing Irrigation canals and teak wood trees.	146600	147000	400		Obstruction of Existing Irrigation canals and teak wood trees.
16	147400	147450	50	Teak wood trees to be removed	147400	147450	50		Teak wood trees to be removed
17	147850	148150	300	RE wall work can't be taken up between 147+850 to 148+150 due to hindrance.	147850	148150	300		Teak wood trees to be removed. RE wall work can't be taken up between 147+850 to 148+150 due to hindrance.
18	149330	149340	10	Teak wood trees to be removed	149330	149340	10		Teak wood trees to be removed
19	150800	150900	100	Existing Irrigation sluice to be relocated	150800	150850	50		Existing Irrigation sluice to be relocated
20	152800	152900	100	Existing Irrigation sluice to be relocated	152900	152930	30		Existing Irrigation sluice to be relocated
21	154500	154800	300	Vaiyacheri Village land on Dispute	154500	154800	300		Vaiyacheri Village land on Dispute
22	156420	156500	80	Teak wood trees to be removed	156420	156500	80		Teak wood trees to be removed
23	161100	161220	120	Land on dispute court issue Ms Tamilselvi	161100	161220	120		Land on dispute court issue Ms Tamilselvi
Total Length in M (RHS)			5450		Total		3885		









Table 2.1.6 - Hindrance Photographs (30.06.2020)







S.No	CHAINAGE		Effectd 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, DHARMAARAJ,SAROJA, ELANGO VAN	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 PATT A 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		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 PATT A 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 CONSTRUCTION	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	
30	116+805	116+825	20	LHS	Manambadi	GI SHED	1	PANNERSSELVAM, SAKTHI	49/1C2	Paid	PAID UNDER NOTICE PERIOD	
31	116+810	116+815	5	RHS	Manambadi	HUT	1			Not Paid	GOVT.P UNPAID	
32	116+810	116+815	5	RHS	Manambadi	RCC	1	MARIMUTHU	53/10	Not Paid	PATT A UNPAID	
33	116+815	116+820	5	RHS	Manambadi	HUT	1	RARY	53/10	Not Paid	GOVT.P UNPAID	









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										
34	116+815	116+820	5	RHS	Manambadi	RCC	1		30/10	Not Paid	PATTA UNPAID	
35	116+825	116+850	25	LHS	Manambadi	2NO.S STR.	2	CHINNATHAMBI, CHINNADURAI	49/11	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	129/1E2,12 9/2A2	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 TEMPORARY 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 CHURUCH	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	
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 UNPAID / DOCUMENT PROBLEM	
68	117+185	117+195	10	RHS	Manambadi	LAND				Not Paid		







S.No	CHAINAGE		Effectd 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										
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		Effectd 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	
91	120+150	120+160	10	RHS	Vilanthakandam	WOODSHOP & HOUSE	1	PARAMESWARAN	29/4A1B	Not Paid		









S.No	CHAINAGE		Effectd 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										
92	120+150	120+166	16	RHS	Vilanthakandam	RCC BUILDING WITH COMPOUND WALL	1	KUMAR , KASINATHAN	29/4A1B1	Not Paid	JOINT PATTI 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		
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		









S.No	CHAINAGE		Effectd 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										
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		
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		




S.No	CHAINAGE		Effectd 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										
104	120+340	120+356	16	RHS	Vilanthakandam	RCC COMPLEX WITH HOUSE	1	SETHALADEVI		Not Paid	REVALUATION APPLIED	
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		Effectd 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	KALACHELVI 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		
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	

S.No	CHAINAGE		Effectd 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										
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		
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		









S.No	CHAINAGE		Effectd 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										
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		
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		 









S.No	CHAINAGE		Effectd 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										
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		
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	Koranattukurupur-I	EICHER HOLDING	1	PLA GROUP OF COMPAINIES		Paid		
134	125+050	125+090	40	RHS	Koranattukurupur-I	TOYATO YARD	1			Not Paid	2ND PAYMENT NOT PAID	
135	124+900	125+000	100	LHS	Koranattukurupur-I	FENCING	1	SRINIVASAN		Paid		








S.No	CHAINAGE		Effectd 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										
136	125+010	125+015	5	LHS	Koranattukarapur-I	HUT AND FRONT PORTION WALL	1			Paid	TEMPLE LAND PAID	
137	125+025	125+035	10	LHS	Koranattukarapur-I	RCC BULIDING, AND BORE WELL	2			Paid	TEMPLE LAND PAID	
138	125+085	125+200	115	LHS	Koranattukarapur-I	FENCING	1	JOTHI		Paid		









S.No	CHAINAGE		Effectd 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	Koranattukarapur-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	Koranattukarapur-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		
145						TILE HOUSE=1 NO	1	MANIVANNAN, SEKAR		Not Paid		






S.No	CHAINAGE		Effectd 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										
146	125+580	125+600	20	LHS	Koranattukarupur-I	TILE HOUSE=1 NO	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,KALIAM MAL		PAID		
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		








S.No	CHAINAGE		Effectd 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										
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					Koranattukarupur-I	TILE HOUSE= 1NO	1	KALIYAMOORTHY & MOTTAYANDI	164	NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
158	125+580	125+600	20	RHS	Koranattukarupur-I	TILE HOUSE= 1NO	1	RAMA MIRUTHAM(VEERAMANI)		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
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			Koranattukarupur-I	BUILDING CONSTRUCTION IN BASEMENT LEVEL	1			PAID		









S.No	CHAINAGE		Effectd 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										
162			20	RHS	Koranattukarpur-I	HUT= 1 NO	1	KASINATHAN		PAID		
163					Koranattukarpur-I	RCC BUILDING(G+1)	1	JAYARAMAN		PAID		
164	125+730	125+785	55	RHS	Koranattukarpur-I	TOYOTO SHOW ROOM	1			PAID		
165	125+785	125+805	20	RHS	Koranattukarpur-I	RCC ROOF HOUSE	1	RAGUNATHAN,CHANDRA		PAID		
166	125+800	125+805	5	RHS	Koranattukarpur-I	1 HUT	1	BHASKAR RAJAM		PAID		
167	125+820	125+825	5	RHS	Koranattukarpur-I	RCC ROOF HOUSE	1	KALIMUTHU		NOT PAID		
168	125+830	125+840	10	RHS	Koranattukarpur-I	RCC ROOF HOUSE	1	MURUGAN		PAID		
169	125+840	125+850	10	RHS	Koranattukarpur-I	RCC ROOF HOUSE	1	CHANDRAKASI		PAID		









S.No	CHAINAGE		Effectd 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										
170	125+840	125+850	10	RHS	Koranattukarpur-I	RCC ROOF HOUSE	1	MADAN		PAID		
171	125+840	125+850	10	RHS	Koranattukarpur-I	RCC ROOF (CORNER ONLY)	1	RAJENDRAN		NOT PAID		
172	125+860	125+870	10	RHS	Koranattukarpur-I	TILE ROOF HOUSE	1	PUGUAL MURUGAN		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
173	125+870	125+880	10	RHS	Koranattukarpur-I	TILE ROOF HOUSE	1	PUGHALENTHI		NOT PAID		
174	125+880	125+890	10	RHS	Koranattukarpur-I	TILE ROOF HOUSE	1	KANAGAMMAL		NOT PAID		
175	125+890	125+900	10	RHS	Koranattukarpur-I	1 HUT, 1 BATH ROOM & COMPOUNDWALL	3	CHELLAMMAL		NOT PAID		
176	126+050	126+060	10	RHS	Koranattukarpur-II	ACC ROOF HOUSE	1	VIJAYAVALLI		PAID		






S.No	CHAINAGE		Effectd 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	Koranattukarpur-II	(Temple = 1 No, Tiles House = 1 No, Ac Sheet House = 1 No) -PATTA, 1 HUT	4	BALASUBRAMANIYAN, KRISHNAVENI, MARRIAMMAL		PAID		   
178	127+120	127+125	5	RHS	Koranattukarpur-II	Borewell	1			Not Paid		
179	127+300	127+380	80	RHS	Koranattukarpur-II	ANUJ TILES	1			PAID		
180	125+790	125+800	10	LHS	Koranattukarpur-I	TILE ROOF HOUSE-1 NO, RCC 1 NO	2	JAYAPANDI, CHINNASAMI		PAID		 





S.No	CHAINAGE		Effectd 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										
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		
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		







S.No	CHAINAGE		Effectd 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										
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		
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	




S.No	CHAINAGE		Effectd 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										
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	
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	

S.No	CHAINAGE		Effectd 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										
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	
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	

S.No	CHAINAGE		Effectd 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										
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	
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	

S.No	CHAINAGE		Effectd 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										
214	131+790	131+860	70	LHS	Baburajapuram	COMPOUND WALL & BUILDING -5 NOS	5	.TAMILARASI, SELIATHURAI, SAMPATH, GOVINDRAJ, RANGARAJAN	-	NOT-PAID	PATTA	
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		

S.No	CHAINAGE		Effectd 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										
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	EQUITIOS BULIDING	1			Paid		
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		

S.No	CHAINAGE		Effectd 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										
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	
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		

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			Effectuated 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
1	Thanjavur	116+440	164+275	47.837	-	508	202	306	Teak Wood trees
Total				47.835					

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	02
2	Minor Bridges	No	56	56	45
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 June 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 Report (in Km)	Progress during this Report (In Km.)	Cumulative Progress Achieved up to this Report (In Km)	In Progress (In Km.)	Balance Length to be Completed	Cumulative % of Progress Achieved
1	Clearing and Grubbing							
	LHS	46.925	34.780	0.000	34.780	0	12.145	74.12%
	RHS	46.925	33.060	0.000	33.060	0	14.245	70.45%
2	Embankment							
	LHS	46.925	7.285	6.680	13.965	6.335	32.960	29.76%
	RHS	46.925	7.380	7.130	14.510	4.800	32.415	30.92%
3	Sub grade							
	LHS	46.925	2.660	9.770	12.430	0.800	34.495	26.49%
	RHS	46.925	5.120	8.760	13.880	0.700	33.045	29.58%
4	GSB/ Cement Treated Sub-Base							
	LHS	46.925	2.190	2.870	5.060	1.200	41.865	10.78%
	RHS	46.925	3.460	3.350	6.810	0.700	40.115	14.51%
5	Wet Mix Macadam							
	LHS	46.925	2.103	1.875	3.978	0.900	42.947	8.48%
	RHS	46.925	3.370	2.380	5.750	0.800	41.175	12.25%
6	Dense Bitumen Macadam							
	LHS	46.925	1.488	1.092	2.580	0.500	44.345	5.50%
	RHS	46.925	2.445	2.255	4.700	0.600	42.225	10.02%
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%

For Structure Works

Sr. No.	Type of Structure	Total No. of Structures	No. of Structures				
			Completed up to previous Report	Completed during this Report	Completed up to this Month	In Progress	Balance
1	Culvert	103	45	12.5	57.5	19.5	26
2	Light Vehicular Underpass	2	1	0	1	1	0
3	Vehicular Underpass	10	0	0	0	10	0
4	Minor Bridges	56	18.5	1.5	20	21	15
5	Major Bridge	5	0	0	0	3	0
6	Flyover	6	0	0	0	6	0
7	ROB	1	0	0	0	1	0

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

Table 4.1 : Physical Progress of Works

Item	Stage for Payment	Unit	Qty.	Weightage in % to Contract Price	Completed up to June'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%	7.68	1.139%
	(2) Granular work (sub-base, base, shoulders)	Km.				
	(a) GSB/ Cement Treated Base	Km.	28.70	1.40%	3.18	0.155%
	(b) WMM/ Cement Treated Base	Km.	28.70	2.10%	3.16	0.231%
	(3) Shoulders	Km.	7.10	0.03%		0.000%
	(4) Bituminous work					
	(a) DBM	Km.	28.70	1.61%	1.84	0.103%
	(b) BC	Km.	28.70	1.48%		0.000%
	(5) Rigid Pavement					
	Concrete Work	Km.				
	(6) Widening and Repair of Culverts	Nos.	33	0.57%	17.55	0.304%
	(7) Widening and Repair of Minor Bridges	Nos.	3	0.38%	0.40	0.051%
B- New realignment/bypass						

MPR JUNE 2020

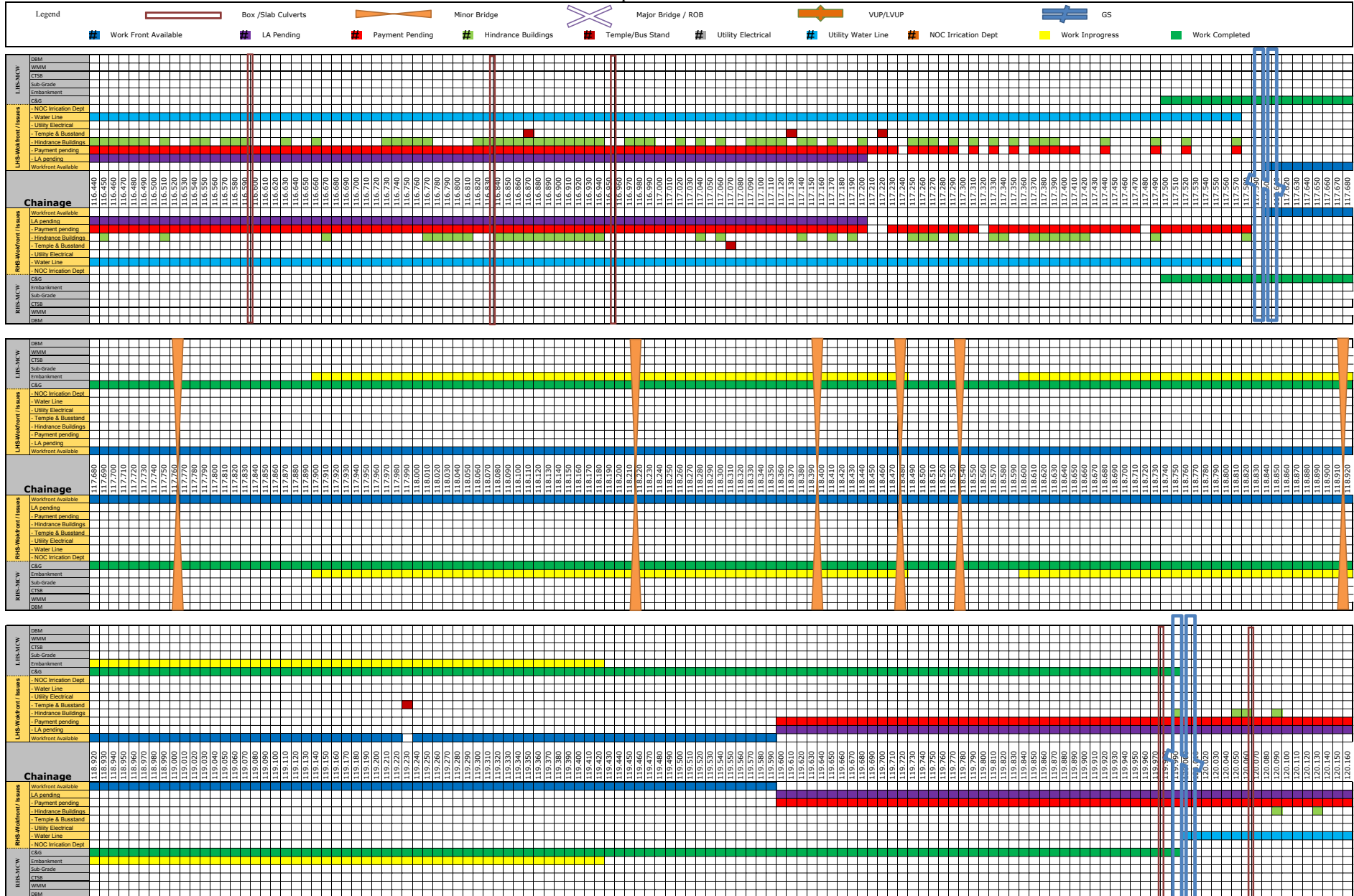
Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads)	(1) Earthwork up to top of the sub-grade	Km.	63.33	16.30%	18.63	4.796%
	(2) Granular work (sub-base, base, shoulders)	Km.				
	(a) GSB/ Cement Treated Base	Km.	62.13	3.39%	8.69	0.475%
	(b) WMM/ Cement Treated Base	Km.	62.13	3.83%	6.57	0.405%
	(3) Shoulders	Km.	48.19	0.10%		0.000%
	(4) Bituminous work					
	(a) DBM	Km.	62.13	3.48%	5.45	0.305%
	(b) BC	Km.	62.13	3.21%		0.000%
	(5) Rigid Pavement					
	Concrete Work	Km				
	C- New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:					
	(1) Culverts	Nos.	70	5.95%	36.10	3.066%
	(2) Minor bridges					
	(i) Foundation	Nos.	170	6.71%	71.50	2.823%
	(ii) Substructure	Nos.	270	3.50%	98.50	1.275%
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	142	3.78%	37.00	0.984%
	(3) Cattle/Pedestrian underpasses					
	(i) Foundation	Nos.	4	0.15%	4.00	0.150%
	(ii) Substructure	Nos.	8	0.08%	8.00	0.084%
	(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.	40	2.50%	30.00	1.874%
	(ii) Substructure	Nos.	40	0.91%	25.00	0.568%
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	20	1.14%		0.000%
	(c) Vehicular Overpass (VOP)					
	(i) Foundation	Nos.				
	(ii) Substructure	Nos.				
	(iii) Superstructure (including crash barrier etc. complete)	Nos.				
(c) Flyover						
(i) Foundation	Nos.	24	2.25%	20.00	1.875%	
(ii) Substructure	Nos.	24	0.82%	9.00	0.307%	
(iii) Superstructure (including crash barrier etc. complete)	Nos.	12	1.02%	0.00	0.000%	
Major Bridge works and ROB/RUB						
A- Widening and Repair of Minor Bridges						
(1) Foundations						

Major Bridge works and ROB/RUB	(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.	76	2.17%	0.00	0.000%	
	(2) Substructure	Nos.	76	1.23%	0.00	0.000%	
	(3) Superstructure (including crash barrier etc. complete)	Nos.	62	1.50%	0.00	0.000%	
	D- New rail-road bridges						
	(a) ROB						
	(i) Foundation	Nos.	8	1.50%	4.00	0.750%	
	(ii) Substructure	Nos.	8	0.80%	0.00	0.000%	
(iii) Superstructure (including crash barrier etc. complete)	Nos.	6	1.49%	0.00	0.000%		
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	7.52%	37,066.05	1.553%	
Other Works	Other Works						
	(i) Service roads/ Slip Roads	Km	27.1	3.86%		0.000%	
	(ii) Toll Plaza	Nos.	1	1.38%		0.000%	
	(iii) Road side drains	Km	12.08	1.64%	0.64	0.087%	
	(iv) Road signs, markings, km stones, safety devices,						
	(a) Road signs, markings, km stones, ...	Km	95.67	2.02%		0.000%	
	(b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work						
	(i) Concrete Crash Barrier	Km	25.42	2.01%		0.000%	
	(ii) W-Beam Crash Barrier	Km	32.75	0.70%		0.000%	
	(v) Project facilities						
	(a) Bus Bays	No.	20	0.01%		0.000%	
	(b) Truck Lay-byes	No.					
	(b) Rest areas	No.	2	0.22%		0.000%	
	(vi) Repairs to bridges/structures	Nos.	4	0.01%			
	(vii) Road side plantation	Km	22.54	0.60%		0.000%	
	(viii) Protection works						
	(a) Boulder pitchin on slopes	Km	32.75	0.19%		0.000%	
	(b) Toe/Retaining wall	Km					
(x) Miscellaneous	Ls.	100%	0.150%	51%	0.076%		
Total				100.00%		23.464%	

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 30-06-2020



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

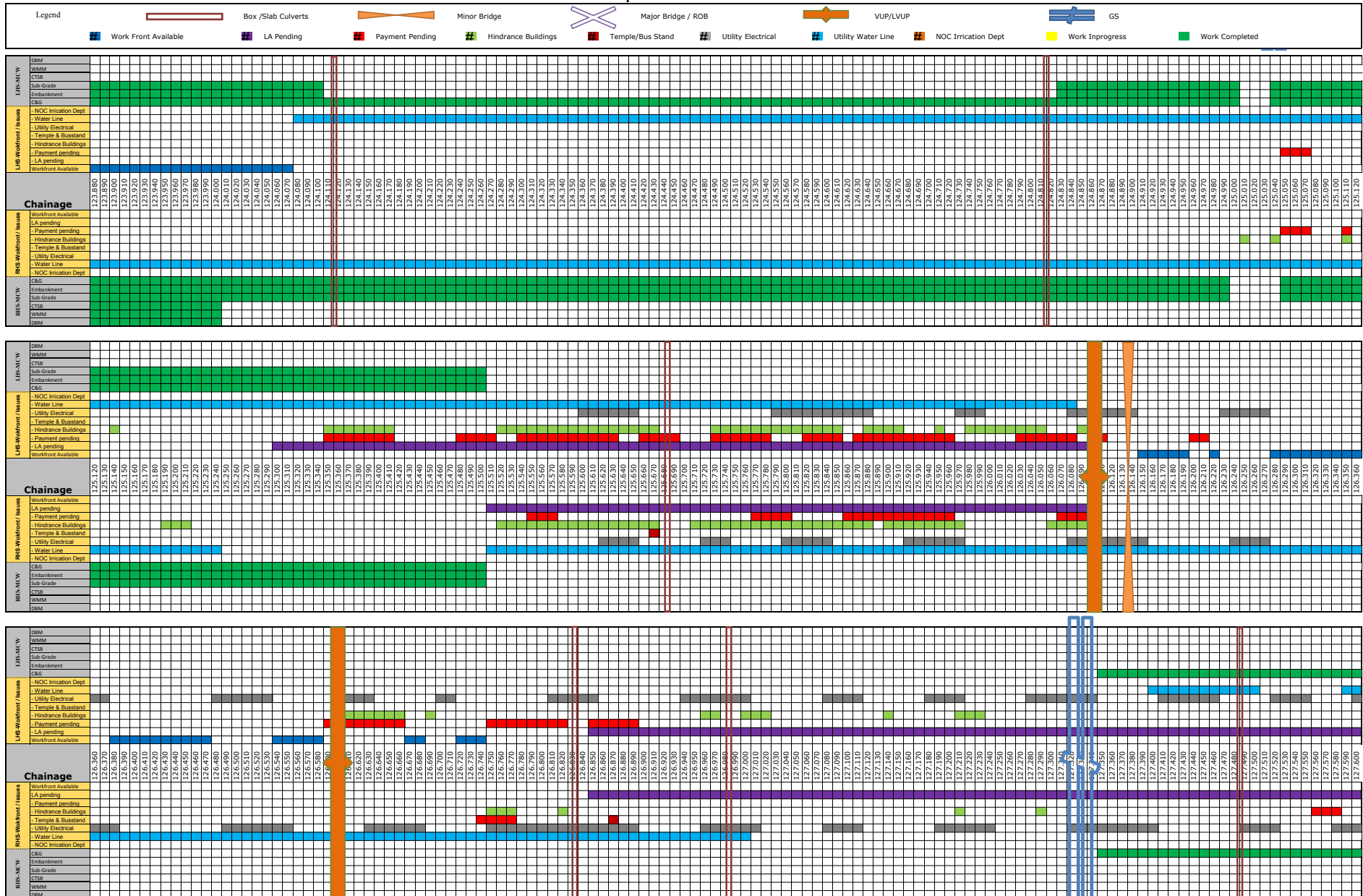
Strip Chart as on 30-06-2020



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

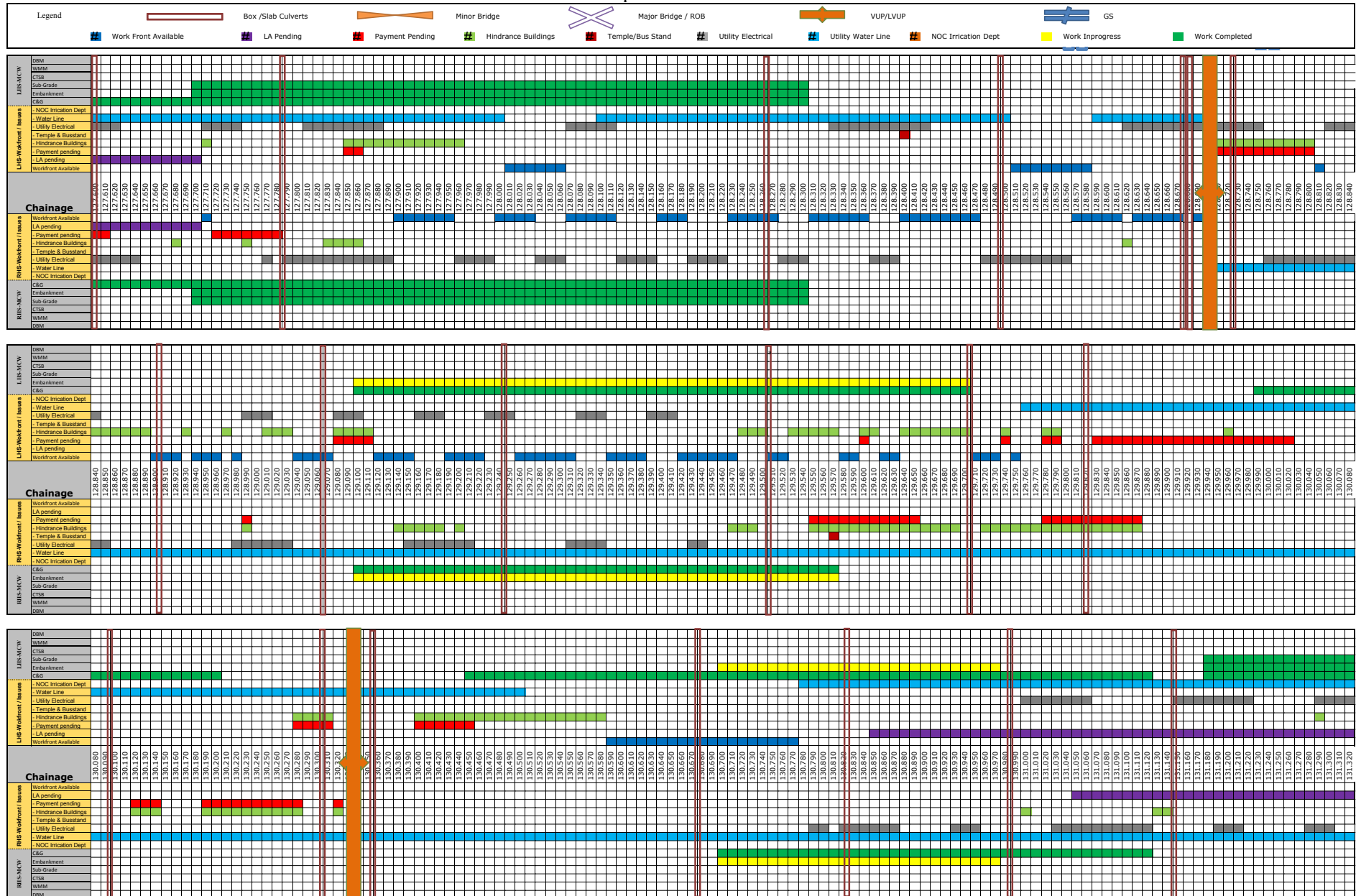
Strip Chart as on 30-06-2020



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

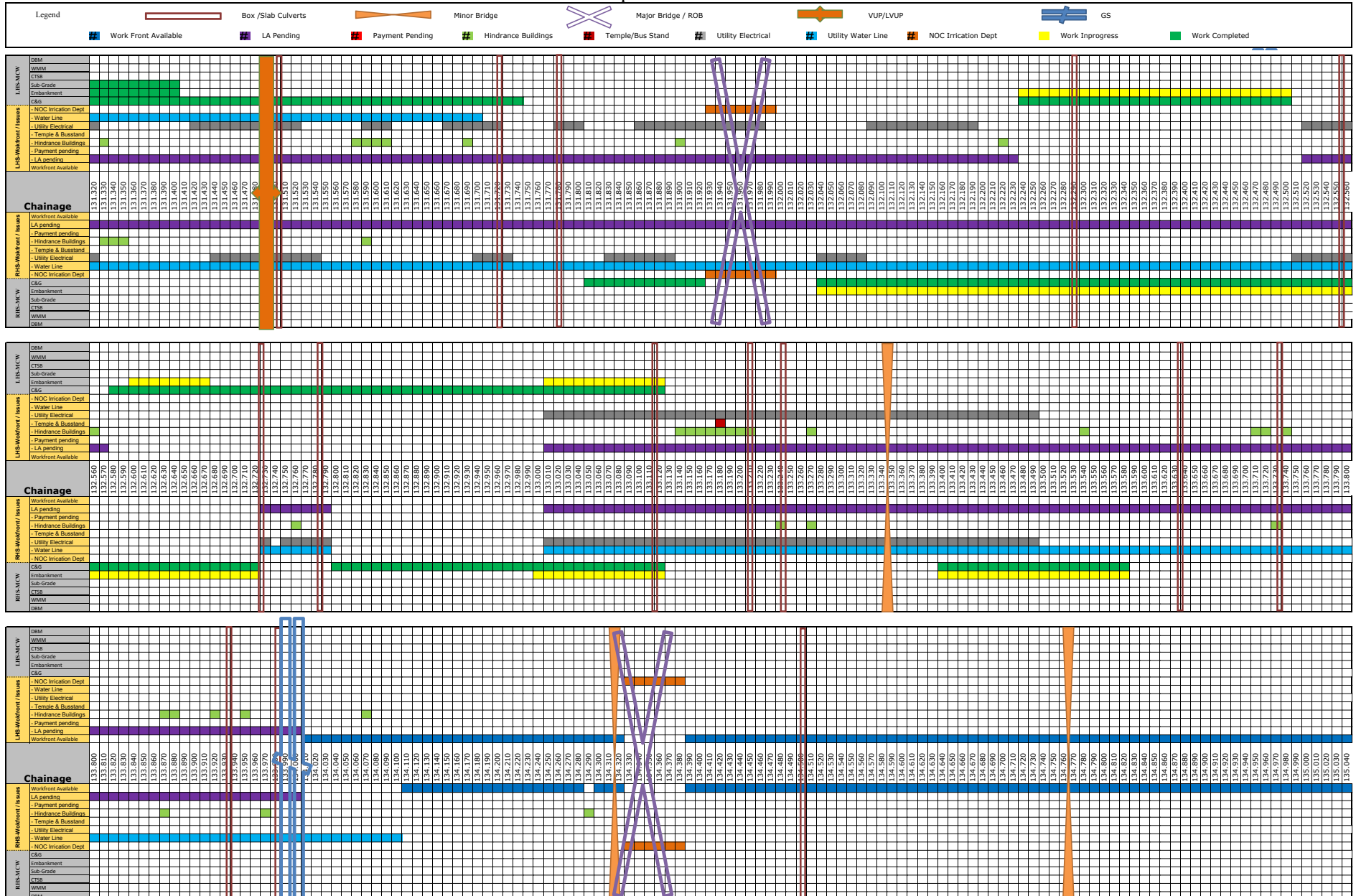
Strip Chart as on 30-06-2020



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

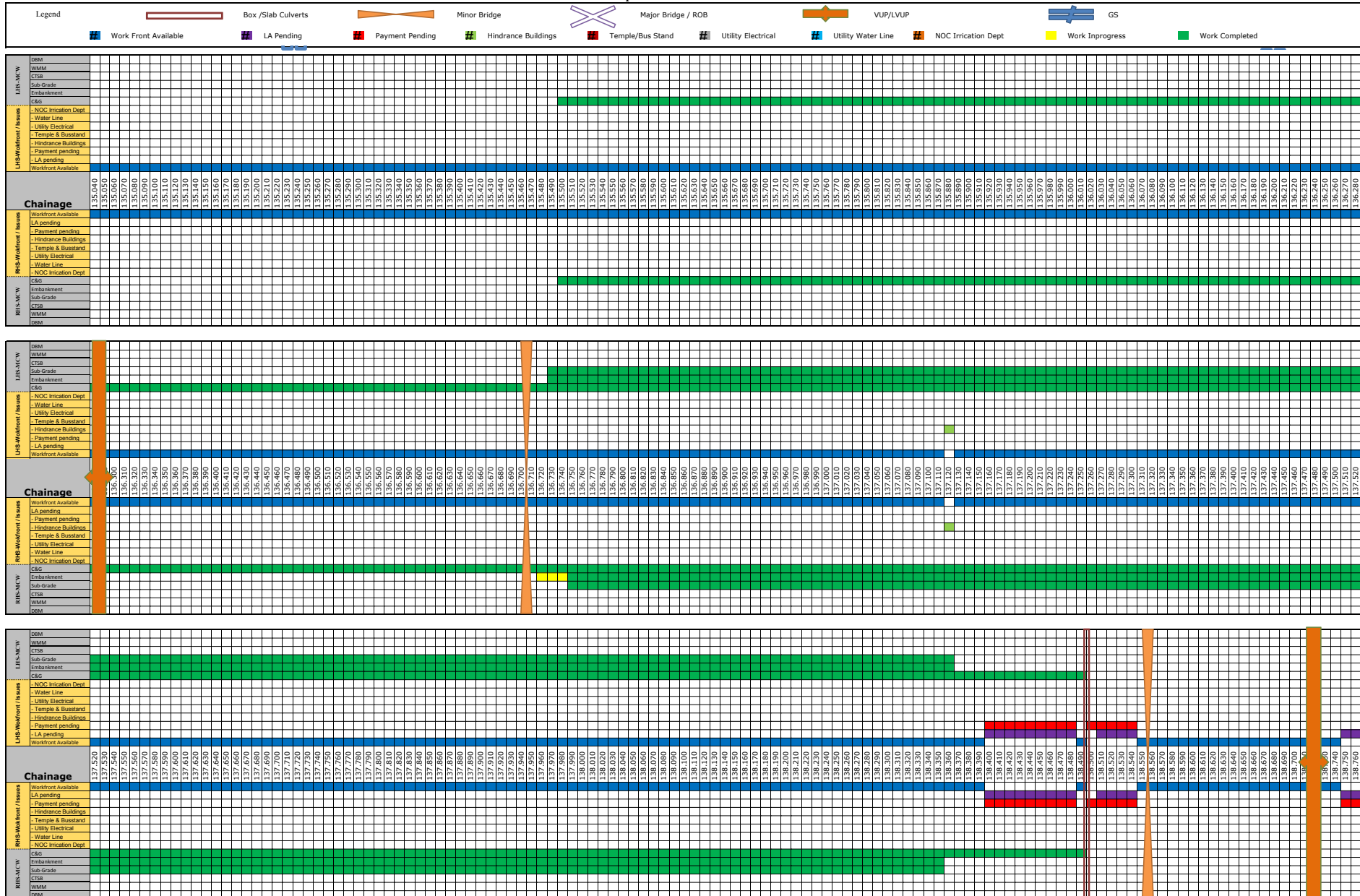
Cholopuram - Thanjavur Project

Strip Chart as on 30-06-2020



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

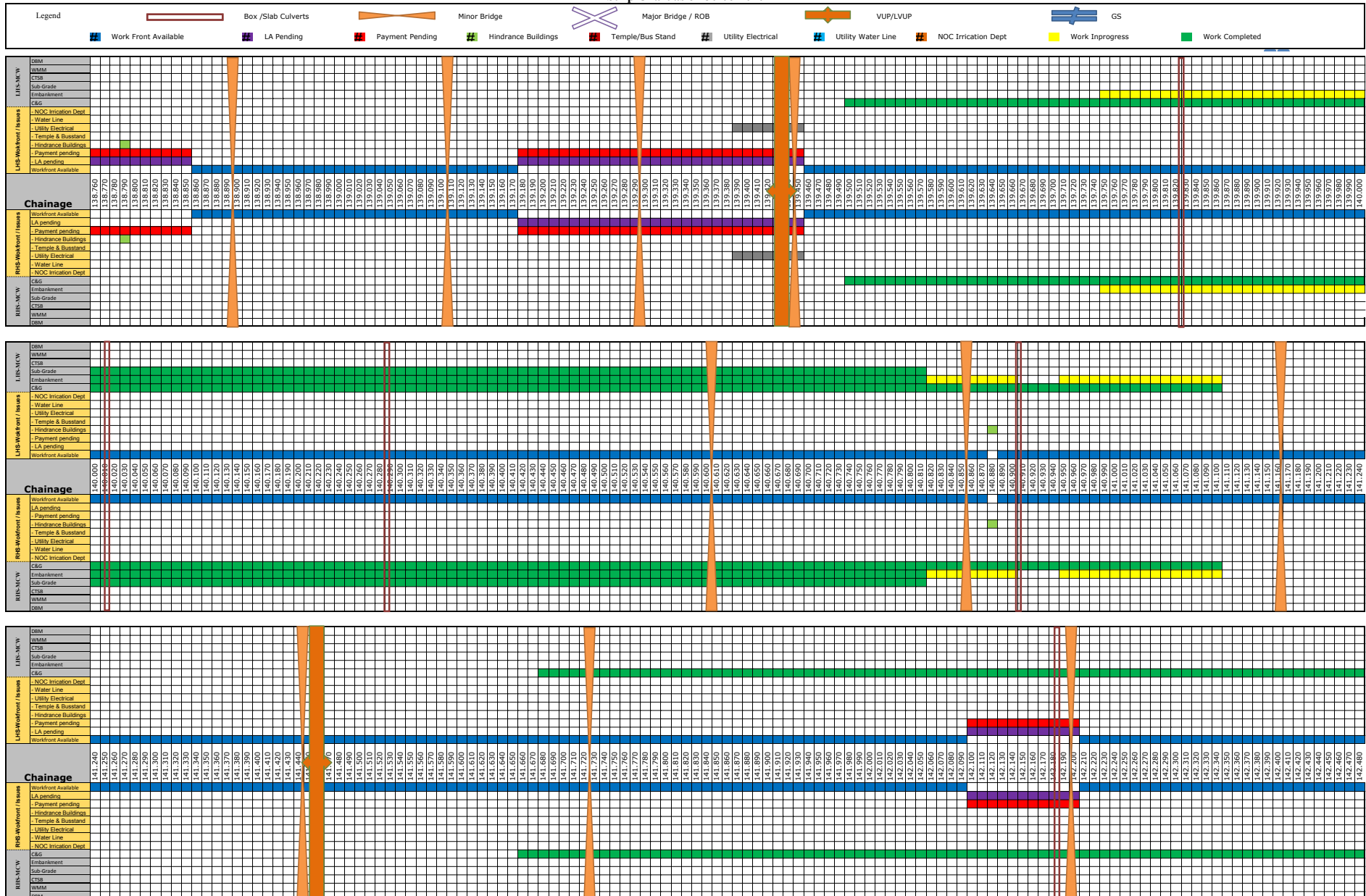
Strip Chart as on 30-06-2020



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

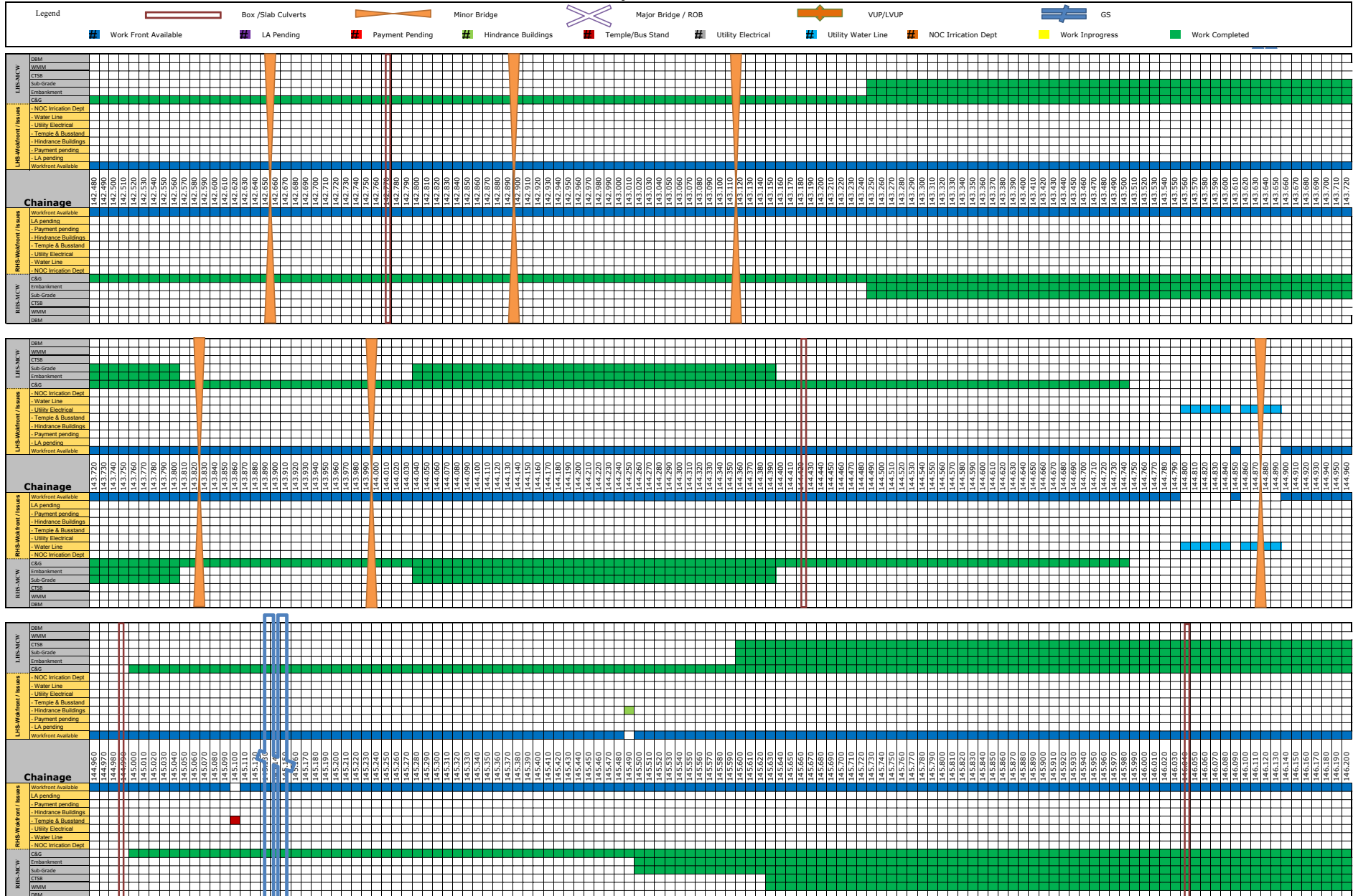
Strip Chart as on 30-06-2020



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

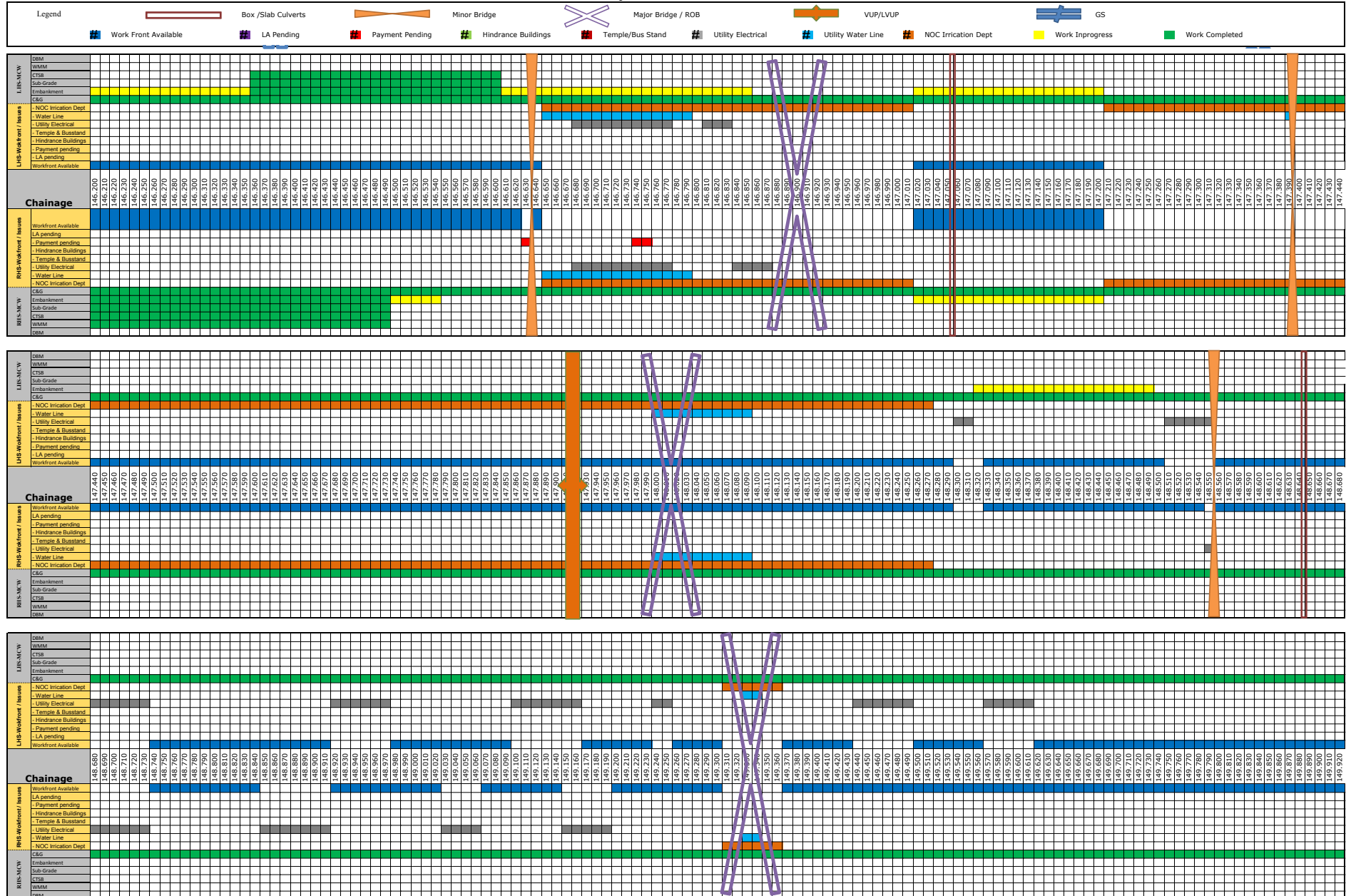
Strip Chart as on 30-06-2020



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 30-06-2020



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

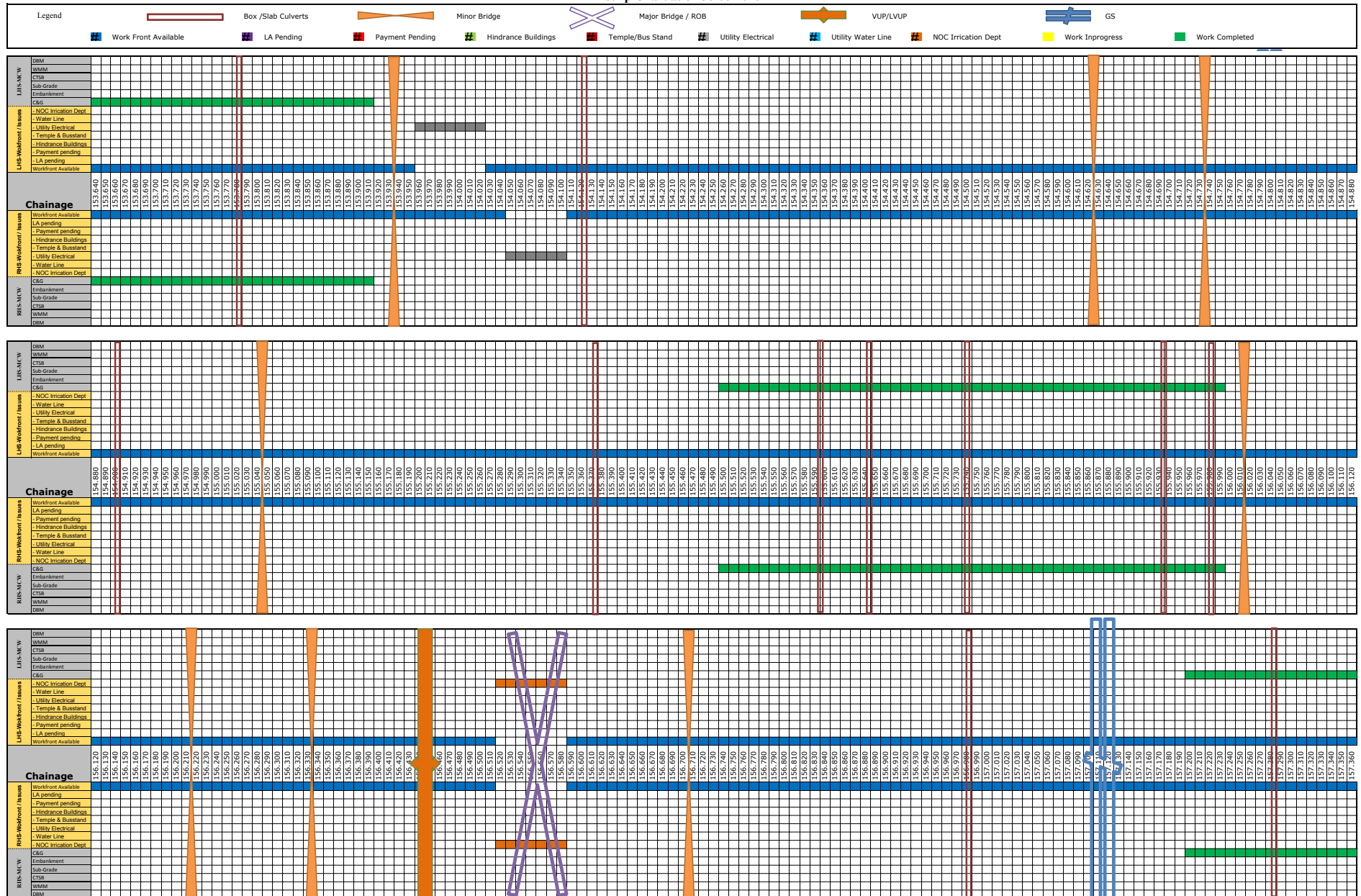
Strip Chart as on 30-06-2020



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

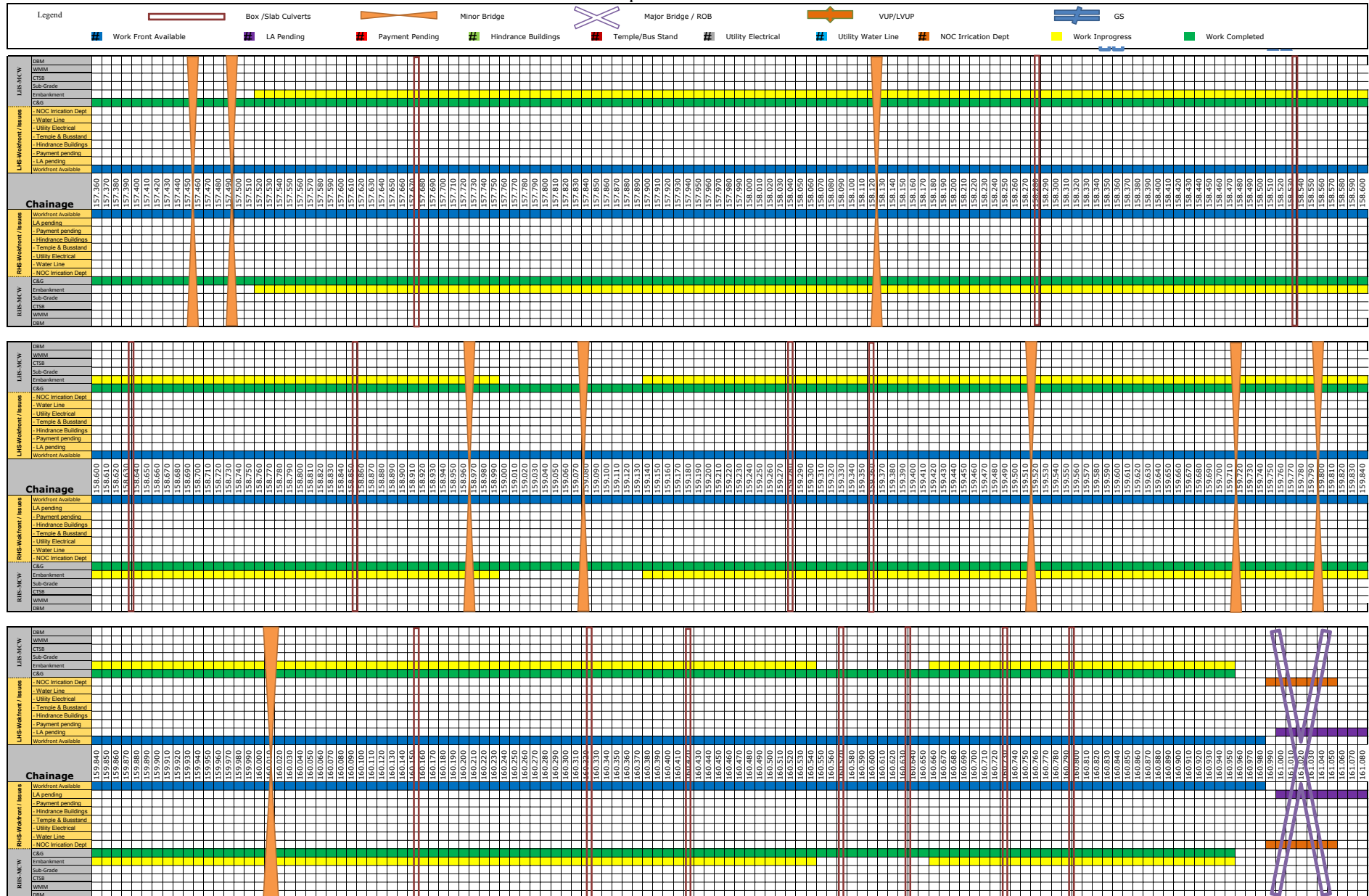
Strip Chart as on 30-06-2020



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

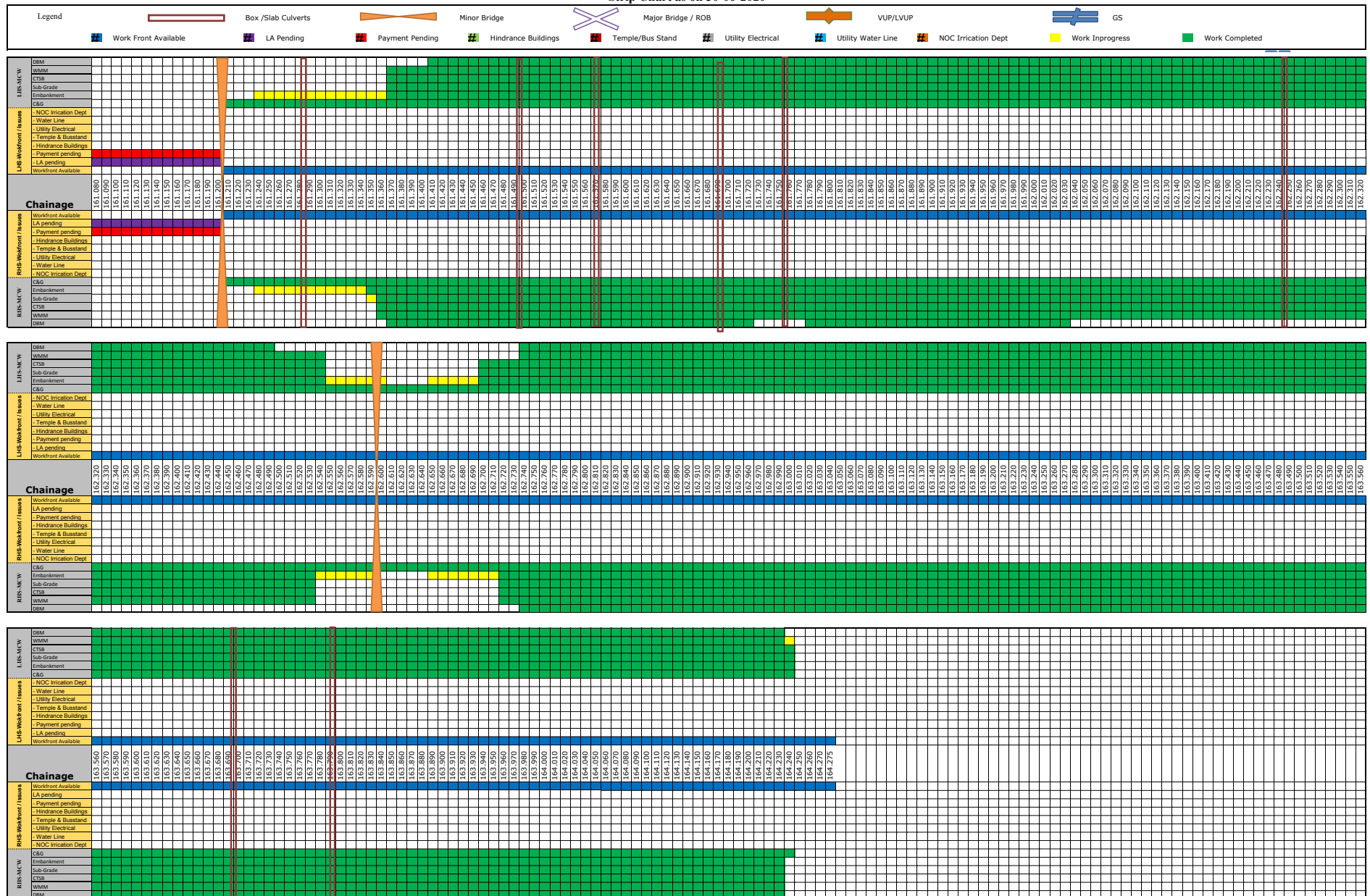
Strip Chart as on 30-06-2020



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 30-06-2020



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 4.3 - 1 : Strip Chart for status of Box Culverts on Existing Road (Service Road)						IN PROGRESS								COMPLETED								
MPR	JUNE	2019				LHS								RHS								
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	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	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																	
Total						0		4	4	5.5	5.5	5.5	5.5	9	6	6	6	5.5	2.5	2		0

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 4.3 - 2 : Strip Chart for status of Box Culverts on Bypass (Main Carriageway)

						IN PROGRESS								COMPLETED								
						LHS								RHS								
MPR	JUNE	2020				Protection Work	Return Wall & Parapet	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Return Wall & Parapet	Protection Work	
Sr. No.	Design Chainage As per CA	Revised Design Chainage	Number and Length of Spans (m)	Remarks	Type of Structure																	
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	159.300	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	160.350	1 x 3.0m x 2.0m	New Costruction	Box Culvert																	
36	160.420	160.445	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 4.3 - 2 : Strip Chart for status of Box Culverts on Bypass (Service Road)						IN PROGRESS								COMPLETED										
MPR		JUNE		2020		LHS													RHS					
Sr. No.	Design Chainage As per CA	Revised Design Chainage	Number and Length of Spans (m)	Remarks	Type of Structure	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 Cholapuram 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 4.3 - 3 : Strip Chart for status of MNB - Box
(Main Carriageway)**

						IN PROGRESS								COMPLETED										
Sr. No.	MPR	JUNE	2020	Design Chainage As per CA	Revised Chainage	Number and Length of Spans (m)	Type of Structure	Stretch	LHS								RHS							
									Protection Work	Retaining Wall + CB	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Retaining 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	144.880	144.916				4 x 7.5m	MNBB	Bypass																
28	146.639					1 x 10.0m	MNBB	Bypass																
29	147.396	147.426				1 x 8.0m	MNBB	Bypass																
30	148.560	148.592				1 x 8.0m	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	159.103				1 x 8.0m	MNBB	Bypass																
49	159.723	159.742				1 x 6.0m	MNBB	Bypass																
50	159.801	159.835				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 4.3 - 3 : Strip Chart for status of MNB - Deck Type (Main Carriageway)				IN PROGRESS								COMPLETED															
	MPR	JUNE	2020	LHS								RHS															
SR.NO.	MNB at Chainage	Span	Pier/ Abutment	Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abtc ap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Piercap/Abtc ap	Girder Casting	Girder Launching	Slab	Crash Barrier								
1	133+345	3x12.5m	A1	EXISTING 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 4.3 - 3 : Strip Chart for status of MNB - Box (Service Road)						IN PROGRESS							COMPLETED							
	MPR	JUNE	2020			LHS							RHS							
Sr. No.	Design Chainage As per CA	Revised Chainage	Number and Length of Spans (m)	Type of Structure	Stretch	Protection Work	Slab	Wall	Reft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Reft	Wall	Slab	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 4.3 - 4 : Strip Chart for status of PUP					IN PROGRESS						COMPLETED					
	MPR	JUNE	2020		LHS						RHS					
Sr. No.	Design Chainage As per CA	Chainage as Per Site	Number and Length of Spans (m)		Protection Work	Slab	Wall	Raft	PCC	Excavation	Excavation	PCC	Raft	Wall	Slab	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 4.3- 5 : Strip Chart for status of MJB (Main Carriageway)									IN PROGRESS	COMPLETED							
MPR JUNE 2020																	
MJB at Chainage 131+980 (3x20) -WIDENING RHS																	
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 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	
A1																	
P1																	
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 4.3 - 6 : Strip Chart for status of FLYOVER				IN PROGRESS										COMPLETED								
MPR JUNE 2020				LHS										RHS								
Sr.No.	FO at Chainage	Span		Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abtc ap	Pier/Abt	Pile Cap	PCC	Pile	Pile	PCC	Pile Cap	Pier/Abt	Piercap/Abtc ap	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 4.3 - 7 : Strip Chart for status of VUP				IN PROGRESS										COMPLETED								
MPR JUNE 2020				LHS										RHS								
SR.NO.	VUP at Chainage	Span		Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abtc ap	Pier/Abt	Pile Cap	PCC	Pile	Pile	PCC	Pile Cap	Pier/Abt	Piercap/Abtc ap	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 4.3 - 8 : Strip Chart for status of ROB

IN PROGRESS

COMPLETED

MPR JUNE 2020

ROB at Chainage 134+345 (1 x 20.285m+1 x 30.426m+1 x 20.285m (Skew 9.6 °))- EXISTING

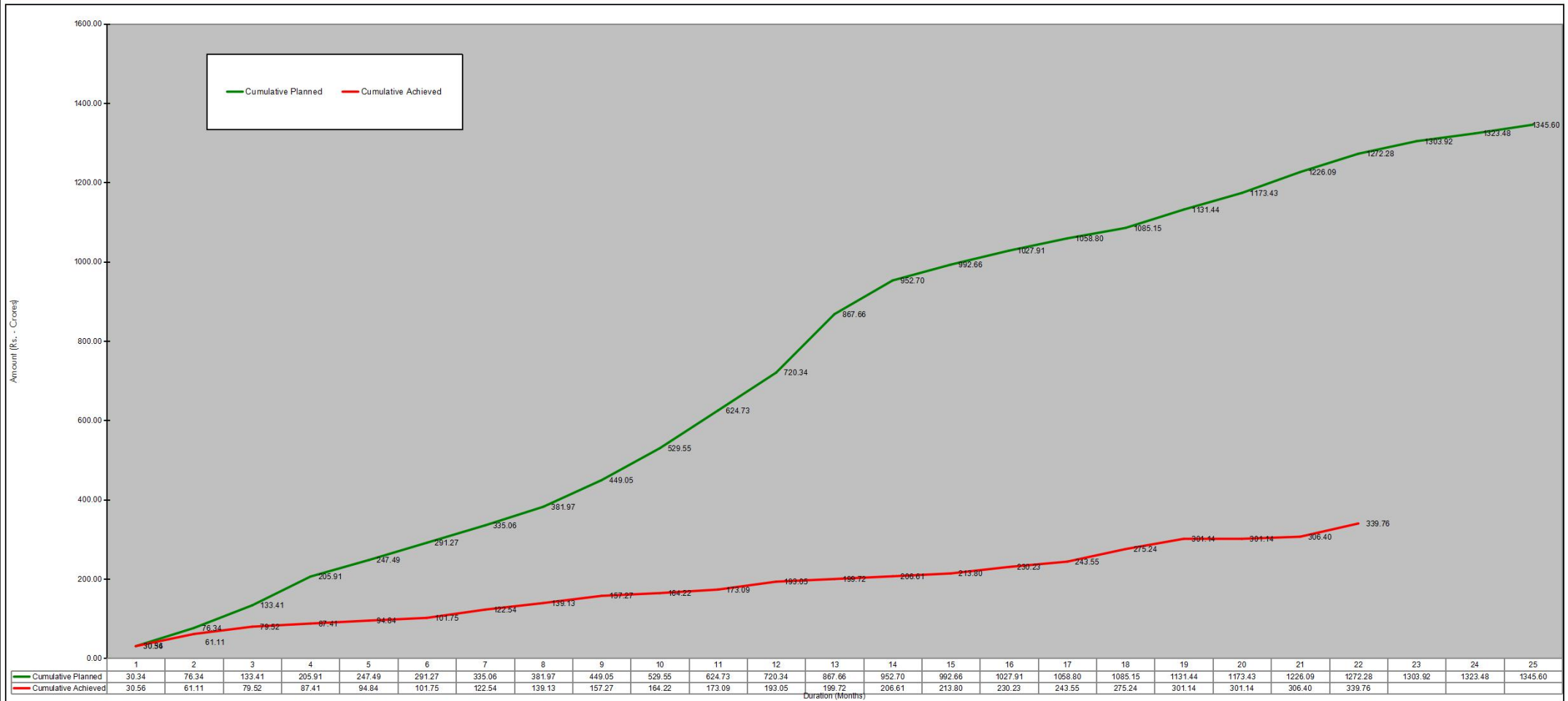
	LHS/LSR										RHS/LSR										
	Crash Barrier	Slab	Steel Girder Launching	Steel Girder Erection	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Steel Girder Erection	Steel Girder Launching	Slab	Crash Barrier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

5. Financial & Physical Progress of Work

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

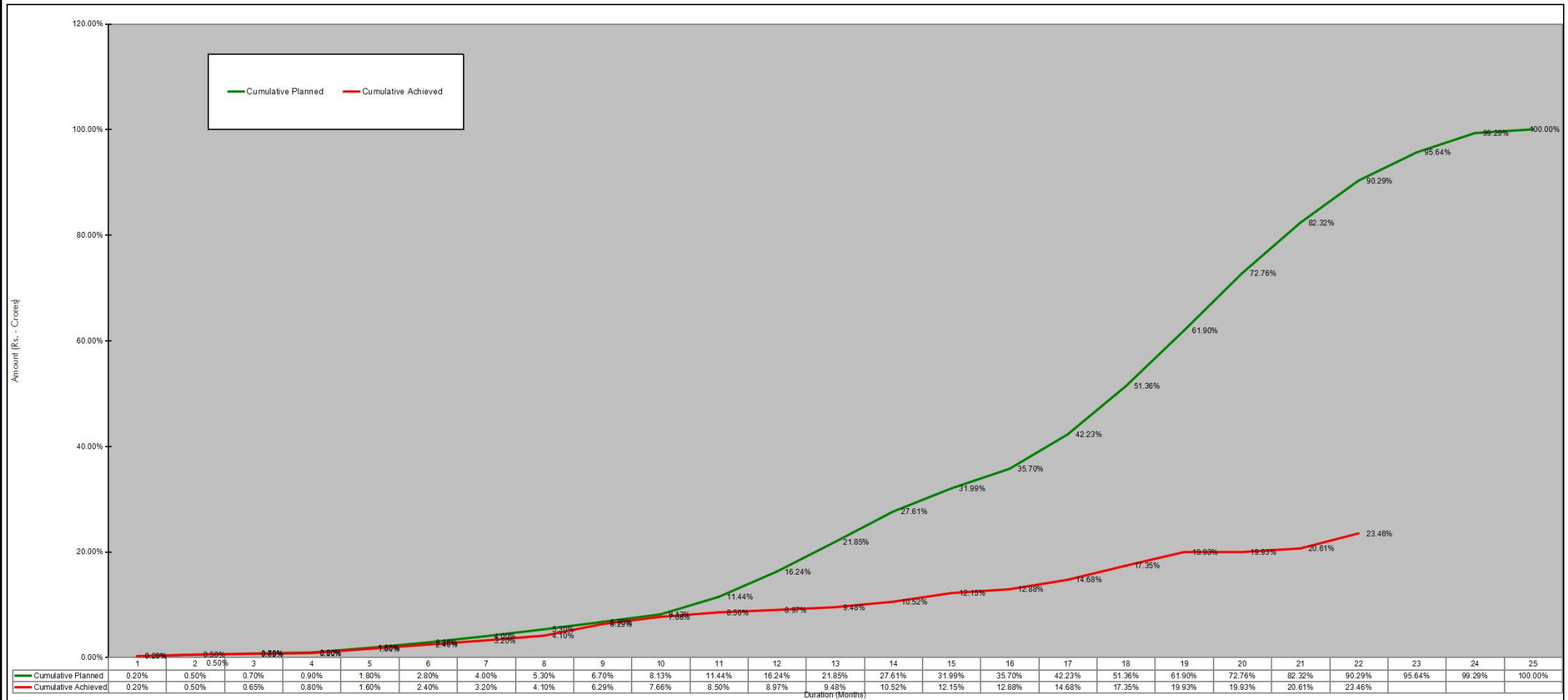
Fig. 03a- Financial Progress (S-Curve)



Schedule	2019												2020												
	Sep 1	Oct 2	Nov 3	Dec 4	Jan 5	Feb 6	Mar 7	Apr 8	May 9	Jun 10	Jul 11	Aug 12	Sep 13	Oct 14	Nov 15	Dec 16	Jan 17	Feb 18	Mar 19	Apr 20	May 21	Jun 22	Jul 23	Aug 24	Sep 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
Monthly Achieved	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	0.00	5.26	33.36			
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	301.14	306.40	339.76			
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%	0.0%	0.4%	2.5%			
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%	22.4%	22.8%	25.2%			

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)



Schedule	2019												2020												
	Sep 1	Oct 2	Nov 3	Dec 4	Jan 5	Feb 6	Mar 7	Apr 8	May 9	Jun 10	Jul 11	Aug 12	Sep 13	Oct 14	Nov 15	Dec 16	Jan 17	Feb 18	Mar 19	Apr 20	May 21	Jun 22	Jul 23	Aug 24	Sep 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%
Monthly Achieved	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%	0.00%	0.69%	2.85%			
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%	19.93%	20.61%	23.46%			

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 Apparatus	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 Equivalant 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	Enamel 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 absorotio 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 June - 2020 are tabulated below -

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.

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

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto JUNE-2020				Test conducted upto this month			
				No. of test Conducted (1 Test =35sets)	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	84	84	0	41	0	0	0	0	84	84	0	41
2.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m ³	84	84	0	41	0	0	0	0	84	84	0	41
2.3	Proctor	IS:2720 (Part8)	1 test /1500 m ³	84	84	0	41	0	0	0	0	84	84	0	41
2.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m ³	84	84	0	41	0	0	0	0	84	84	0	41
2.5	California bearing ratio	IS:2720 (Part16)	1 test / 3000 m ³	77	77	0	43	0	0	0	0	77	77	0	43
3.0 Borrow Area for EMB/Subgrade (MoRT&H 305)															
3.1	Grain size analysis	IS:2720 (Part4)	1 test /1500 m ³	839	839	0	277	37	37	0	0	876	876	0	277
3.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m ³	839	839	0	277	37	37	0	0	876	876	0	277
3.3	Proctor	IS:2720 (Part8)	1 test /1500 m ³	839	839	0	277	37	37	0	0	876	876	0	277
3.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m ³	839	839	0	277	37	37	0	0	876	876	0	277
3.5	California bearing ratio	IS:2720 (Part16)	1 test / 3000 m ³	147	147	0	85	4	4	0	0	151	151	0	85
3.6	Water Soluble Sulphate	IS:2720 (Part27)	As required	2	2	0	0	0	0	0	0	2	2	0	0
3.7	Angle of Internal Friction(ϕ)	IS:2720 (Part13)	As required	5	5	0	5	0	0	0	0	5	5	0	5
4.0 Field Density Test (MORT&H 305)															
4.1	Field density (OGL)	IS:2720 (Part28)	10 test /3000 sqm	5031	5031	15	2065	500	500	0	0	5531	5531	15	2065
4.2	Field density (EMB)	IS:2720 (Part28)	10 test /3000 sqm	17019	17019	36	4916	8572	8572	0	0	25591	25591	36	4916
4.3	Field density (SG)	IS:2720 (Part28)	10 test / 2000 sqm	1839	1839	3	406	2030	2030	0	0	3869	946	3	406
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	152	152	0	40	0	0	0	0	152	152	0	40
5.2	Atterberg Limits	IS:2720 (Part4)	As required	152	152	0	40	0	0	0	0	152	152	0	40
5.3	Proctor	IS:2720 (Part5)	As required	152	152	0	39	0	0	0	0	152	152	0	39
5.4	Free Swell index	IS:2720 (Part8)	As required	152	152	1	40	0	0	0	0	152	152	1	40
5.5	Bearing Capacity	IS:6403 / IS 1888	As required	152	152	151	40	0	0	0	0	152	152	151	40
5.6	Plate Load Test	IS:6403 / IS 1888	As required	29	29	0	24	0	0	0	0	29	29	0	24
6.0 Filter Media & Back filling MoRT&H 2500(Design)															
6.1	Gradation		As required	94	94	0	55	20	20	0	0	114	114	0	55
6.2	Backfilling field density		1 test /1000 m ³	45	45	0	35	0	0	0	0	45	45	0	35
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

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.

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

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto JUNE-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	117	117	39	20	10	10	0	0	127	127	39	20
8.2	Atterberg Limits	IS:2720 (Part5)	As required	117	117	39	20	10	10	0	0	127	127	39	20
8.3	Proctor	IS:2720 (Part8)	As required	117	117	10	11	1	1	0	0	118	118	10	11
8.4	CBR Test	IS:2720 (Part16)	As required	13	13	10	11	1	1	0	0	14	14	10	11
8.5	Aggregate Impact value	IS:2386 Part-4	As required	14	14	8	10	4	4	0	0	18	18	8	10
8.6	Field Density	IS:2720 (Part28)	As required	1279	1279	295	283	40	40	0	0	1319	1319	295	283
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 500Sq m	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 SO ₄ 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	81	81	0	45	16	16	0	0	97	97	0	45
10.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m ³	79	79	0	43	16	16	0	0	95	95	0	43
10.3	Proctor	IS:2720 (Part8)	As required	6	6	0	5	0	0	0	0	6	6	0	5
10.4	Aggregate Impact value	IS:2386 Part-4	As required	83	83	0	54	7	7	0	0	90	90	0	54
10.5	Field Density	IS:2720 (Part28)	1 set of 2 Test per 500Sq m	803	803	12	354	76	76	0	0	879	879	12	354
10.6	Specific gravity & Water absorption	IS:2386 (Part2)	As required	4	4	0	4	0	0	0	0	4	4	0	4
10.7	Cubes casting & Testing(Sets)	IRC SP 89 (2010)	a set of 3 specimens	131	131	0	79	32	32	0	0	163	163	0	79
10.8	CBR Test	IS:2720 (Part16)	As required	4	4	0	4	0	0	0	0	4	4	0	4
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 stretch)	IS:2720 (Part28)	1 set Test per 1000Sq.m / 3 pits	0	0	0	0	0	0	0	0	0	0	0	0

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.

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

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto JUNE-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	34	34	0	19	19	19	0	0	53	53	0	19
12.2	Aggregate Impact Value	IS:2386 Part-4	1 test/ 1000 m ³	32	32	0	17	10	10	0	0	42	42	0	17
12.3	Flakiness & Elagation index	IS:2386 Part1	1 test/ 500 m ³	23	23	0	22	12	12	0	0	35	35	0	22
12.4	Atterberg Limits	IS:2720 (Part5)	1 test/200m ³	34	34	0	19	19	19	0	0	53	0	0	19
12.5	Proctor	IS:2720 (Part8)	As required	3	3	0	3	0	0	0	0	3	3	0	3
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	207	207	0	134	87	87	0	0	294	294	0	134
13.0 Dense Bituminous Macadam (Grade - II)															
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	72	72	0	63	6	6	0	0	78	78	0	63
13.2	Flakiness & Elongation Index	IS: 2386 (Part 1)1963	1 Test for 350 m ³	21	21	0	17	2	2	0	0	23	23	0	17
13.3	Aggregate Impact Value Test	IS: 2386 (Part 4)1963	1 Test for 350 m ³	21	21	0	17	2	2	0	0	23	23	0	17
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	33	33	0	21	4	4	0	0	37	37	0	21
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	34	34	0	27	12	12	0	0	46	46	0	27
13.6	Core Cutting and Density Of Compatied Layer	Table 900-4 of Morth	1 set Test per 700 Sq.m / 1 pits	78	78	0	76	17	17	0	0	95	95	0	76
13.7	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
13.8	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
13.9	Stripping	IS : 6241	One Test for each each source	3	3	0	3	0	0	0	0	3	3	0	3
14	Retained Satllailty	AASHTO 283	One Test for each each source	8	8	0	8	0	0	0	0	8	8	0	8
14.1	Retained Tensile Strength	AASHTO 284	One Test for each each source	8	8	0	8	0	0	0	0	8	8	0	8
14.2	Refusal	AASHTO 285	One Test for each each source	10	10	0	5	0	0	0	0	10	10	0	5
14.3	Plasticity Index	IS: 2720(Part 5)	One Test for each each source	3	3	0	3	0	0	0	0	3	3	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.

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

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto JUNE-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
14.4	Cleanliness (Dust)	IS: 2386 (Part 1)	One Test for each each source	3	3	0	3	0	0	0	0	3	3	0	3
15.0 Bitumen test															
15.1	Absolute Viscosity at 60° C poise,Minimum	IS: 1206-1978 part-2	As per table 2 of IS 73-2013	13	13	0	11	5	5	0	0	18	18	0	11
15.2	Penetration Test at 25° C,100gr,0.1mm,5sec	IS: 1203-1978	As per table 2 of IS 73-2013	13	13	0	11	5	5	0	0	18	18	0	11
15.3	Softening point(R&B) Min	IS: 1205-1978	As per table 2 of IS 73-2013	13	13	0	11	5	5	0	0	18	18	0	11
15.4	Flash point(Cleveland open cup)° C,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 60° C max	IS: 1206-1978 part-2	1 Test per Lot	5	5	0	5	2	2	0	0	7	7	0	5
15.7	Ductility at 25° C ,cm,Min	IS: 1208-1978	1 Test per Lot	5	5	0	5	2	2	0	0	7	7	0	5
16.0 EMULSION SS1&RS1															
16.1	Saybolt furool Viscosity	IS: 13117	1 Test per Lot	6	6	0	4	1	1	0	0	7	7	0	4
16.2	Residue on 600 micron is sive	IS: 8887	1 Test per Lot	6	6	0	4	1	1	0	0	7	7	0	4
16.3	Water Content ,Percent by mass	IS: 8887	1 Test per Lot	6	6	0	4	1	1	0	0	7	7	0	4
17.0 EMULSION Prime coat &Tack Coat															
17.1	Rate of Spread of Binder	IRC: SP 16	Three test per Day	45	45	0	38	6	6	0	0	51	51	0	38
18.0 Coarse Aggregate MoRT&H 1007															
18.1	Gradation	IS:2386 (Part2)	As required	758	758	0	278	16	16	0	10	774	774	0	288
18.2	Specific gravity & Water absorption	IS:2386 (Part3)	As required	30	30	0	16	1	1	0	1	31	31	0	17
18.3	Aggregate Impact Value	IS:2386 (Part4)	As required	102	102	0	37	4	4	0	3	106	106	0	40
18.4	Flakiness index	IS:2386 (Part1)	As required	102	102	0	35	2	2	0	3	104	104	0	38
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	Petrographic 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	16	16	0	11	0	0	0	0	16	16	0	11
19.2	Fineness	IS:4031 (Part1)	500mt (or) Every week	123	123	0	60	8	8	0	0	131	131	0	60
19.3	Normal Consistency	IS:4031 (Part4)	500mt (or) Every week	123	123	0	60	8	8	0	0	131	131	0	60
19.4	Initial,Final setting time	IS:4031 (Part5)	500mt (or) Every week	123	123	0	60	8	8	0	0	131	131	0	60
19.5	Soundness of Cement	IS:4031 (Part3)	500mt (or) Every week	123	123	0	60	8	8	0	0	131	131	0	60
19.6	Compressive Strength-set	IS:4031 (Part6)													
	3 days		500mt (or) Every week	141	141	0	68	6	6	0	0	147	147	0	68
	7 days		500mt (or) Every week	136	136	0	65	5	5	0	0	141	141	0	65
	28 days		500mt (or) Every week	129	129	0	42	1	1	0	0	130	130	0	42
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.

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

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto JUNE-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	1	1	0	0	16	16	0	7
22.2	10 mm Dia	IS 1786		15	15	0	8	1	1	0	0	16	16	0	8
22.3	12 mm Dia	IS 1786		20	20	0	10	1	1	0	0	21	21	0	10
22.4	16 mm Dia	IS 1786		21	21	0	10	1	1	0	0	22	22	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	1	1	0	0	24	24	0	13
22.7	32 mm Dia	IS 1786		8	8	0	5	2	2	0	0	10	10	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

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.

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

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto JUNE-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
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
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	279	279	0	141	47	47	0	0	326	326	0	141
	28Days Compressive Strength			517	517	0	262	52	52	0	0	569	569	0	262
M20 PCC															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	5	5	0	4	1	1	0	0	6	6	0	4
	28Days Compressive Strength			12	12	0	5	0	0	0	0	12	12	0	5
M20 RCC															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	19	19	0	8	38	38	0	0	57	57	0	8
	28Days Compressive Strength			42	42	0	17	43	43	0	0	85	85	0	17
M20 KERB															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	29	29	0	15	5	5	0	0	34	34	0	15
	28Days Compressive Strength			58	58	0	38	0	0	0	0	58	58	0	38
M25 RCC															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	23	23	0	13	0	0	0	0	23	23	0	13
	28Days Compressive Strength			30	30	0	18	2	2	0	0	32	32	0	18
M30 RCC															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	500	500	0	210	66	66	0	0	566	566	0	210
	28Days Compressive Strength			1030	1030	0	410	65	65	0	0	1095	1095	0	410
M30 RCC PUMPABLE															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	26	26	0	181	7	7	0	0	33	33	0	181
	28Days Compressive Strength			56	56	0	50	19	19	0	0	75	75	0	50
M35 RCC															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	323	323	0	145	11	11	0	0	334	334	0	145
	28Days Compressive Strength			667	667	0	301	16	16	0	0	683	683	0	301
M35 RCC PILING															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	547	547	0	191	6	6	0	0	553	553	0	191
	28Days Compressive Strength			1717	1717	0	793	41	41	0	0	1758	1758	0	793
M35 RCC PUMPABLE															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	378	378	0	205	21	21	0	0	399	399	0	205
	28Days Compressive Strength			1302	1302	0	773	23	23	0	0	1325	1325	0	773

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.

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

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month upto JUNE-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
M35 RE BLOCK															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	869	869	0	314	17	17	0	0	886	886	0	314
	28Days Compressive Strength			1526	1526	0	525	33	33	0	0	1559	1559	0	525
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
M45 PUMP															
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	40	40	0	16	6	6	0	0	46	46	0	16
	28Days Compressive Strength			79	79	0	32	29	29	0	0	108	108	0	32
24.0 BENTONITE															
20.1	Density	MORT&H Sec. 1115.2.3	As required	291	291	0	111	2	2	0	0	293	293	0	111
20.2	Marsh Cone Viscosity			291	291	0	1111	2	2	0	0	293	293	0	1111
20.3	pH Value			291	291	0	111	2	2	0	0	293	293	0	111
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	552	552	0	181	8	8	0	0	560	560	0	181
21.2	Fineness Modulus	MORT&H Sec. 1008&383	As required	552	552	0	181	8	8	0	0	560	560	0	181
21.3	Specific gravity & Water absorption	IS:2386 (Part2)	As required	12	12	0	6	0	0	0	0	12	12	0	6

Date	Temperature (Celsius)		Humidity (%)		Rainfall (mm)	Remarks
	Min	Max	Min	Max		
01-06-2020	28.5	34.6	65	88	0.00	Sunny
02-06-2020	27.6	36.2	68	90	0.00	Sunny
03-06-2020	28.2	35.2	56	91	0.00	Sunny
04-06-2020	28.8	36.4	45	85	0.00	Sunny
05-06-2020	29.2	37.3	60	92	0.00	Sunny
06-06-2020	29.1	36.3	40	77	8.80	Rainy
07-06-2020	28.6	37.3	50	80	0.00	Sunny
08-06-2020	28.5	37.4	40	77	0.00	Sunny
09-06-2020	28.2	35.3	37	77	0.00	Sunny
10-06-2020	29.2	34.1	44	72	4.00	Rainy
11-06-2020	29.2	35.4	46	65	0.00	Sunny
12-06-2020	28.4	34.7	34	67	0.00	Rainy
13-06-2020	28.0	37.6	35	66	0.00	Sunny
14-06-2020	29.4	38.1	33	61	0.00	Sunny
15-06-2020	30.4	37.7	33	67	0.00	Sunny
16-06-2020	28.9	37.4	37	64	0.00	Sunny
17-06-2020	29.9	37.9	39	65	0.00	Sunny
18-06-2020	28.7	37.3	33	64	0.00	Sunny
19-06-2020	30.2	36.1	37	62	0.00	Sunny
20-06-2020	30.5	37.2	34	63	0.00	Sunny
21-06-2020	32.5	37.3	33	64	0.00	Sunny
22-06-2020	28.8	37.3	37	63	0.00	Sunny
23-06-2020	29.1	37.2	39	80	0.00	Sunny
24-06-2020	28.1	37.6	37	85	4.00	Rainy
25-06-2020	29.5	37.9	49	66	0.00	Sunny
26-06-2020	28.0	37.2	35	65	0.00	Sunny
27-06-2020	28.1	37.4	36	65	0.00	Sunny
28-06-2020	28.5	35.6	37	66	0.00	Sunny
29-06-2020	27.8	36.9	41	75	16.80	Rainy
30-06-2020	29.2	36.1	42	73	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.

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. With reference to our several correspondence time to time vide which we intimated the matter of enforced nationwide lockdown as well as its impact on the Project Highway, the World Health Organization (WHO) on 11th March' 2020 had characterized the Novel Coronavirus Disease (COVID-19) outbreak as a global Pandemic. In view of the WHO's announcement and over all prevailing condition of the nation, the Union Government of India (GOI) had invoked section 2 of Epidemic Disease Act 1897 on 12.03.2020 to prevent the spread of novel coronavirus in India. Accordingly, the State Government of Tamilnadu has enforced complete lockdown of the entire state from 24.03.2020 to 31.03.2020 to avoid the spread of COVID-19. Subsequently, The Ministry of Home Affairs (MHA) vide Order No. 40-3/2020-DM-I(A), dated 24.03.2020 directed to enforce complete nationwide lockdown for the period of 21 days from 25.03.2020 to 14.04.2020.

Further, based on the outcome of COVID-19 spread containment during 1st nationwide lockdown till 14th April' 2020 & condition of country as a whole, Ministry of Home Affairs (MHA), Govt. of India in exercise of powers conferred under Section 10(2)(I) of Disaster Management Act 2005, has issued an Order bearing no. 40-3/2020-DM-I(A), dated 15.04.2020 that the nationwide lockdown will remain continue till 3rd May' 2020 to contain the spread of COVID-19 in the country. However, to mitigate hardship of the public select additional activities will be allowed with effect from 20th April' 2020 including Road Construction Activities as per sr. no. 16 of Consolidated Revised Guidelines on the measures to be taken by Ministries / Departments of GOI, State/ UT Govt. and State/ UT Authorities incorporating these guidelines are enclosed with the MHA order.

Accordingly, we have submitted the detailed work program during the extended lock down period up to 03.05.2020 along with the list of Manpower & Machineries to be involved in the Construction work to take suitable action for the issuance of necessary permission from District Administration in this regard.

Further, vide our letter no. 12 dated 23.04.2020 we informed that Press released no. 280 dated 20.04.2020 issued by Government of Tamilnadu that Government of Tamilnadu had instructed to continue to enforce all the existing restrictions issued by MHA order dated 24.03.2020 during extended lock down period i.e. up to 03.05.2020.

After that, a notification issued by Revenue and Disaster Management (D-II) Department, Govt. of Tamilnadu bearing no. 203 dated 23.04.2020 vide which it is informed that resumption of construction of road & bridge project can be done with taking all precaution as per Standard Operating Procedure (SOPs) for social distancing and obtain permission from District Administration.

Further, vide our letter no. 16 dated 08.05.2020 & 19 dated 20.05.2020 we informed that Government of Tamilnadu had instructed to continue to enforce all the existing restrictions issued by MHA order dated 24.03.2020 during extended lock down period i.e. up to 31.05.2020.

Furthermore, we also notified in our earlier correspondence that Ministry of Home Affairs, Govt. of India vide their order dated 29.04.2020 allowed the movement of stranded migrant workers to their home town and subsequently, Local officials of District Administration are now approaching to our staff/ labours directly & taking their willingness for movement to their home town; Due to this and havoc of spreading of coronavirus, our workers and labours are putting their voice/desire for roaming to their home town. Based on prevailing situation and circumstances thereto & on human ground we could not restrict them from going to their home town and many migrant labours/ staffs have registered their name for the movement to their home town.

This movement of migrant labours/ staffs to their home town are continuing. The comparison statement for details of staff/workers/labours availability between before lockdown and current status as listed below for your ready reference.

Description	Available before lockdown	Available in the month of June 2020 (in Nos)																													
		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	26	27	28	29	30
Availability of staff/workers/labours	931	411	411	412	411	413	413	411	411	404	404	404	404	411	411	398	398	398	411	411	411	411	411	411	411	411	411	411	411	411	411

Further, Concessionaire has also reported that order dated 31.05.2020 issued by Health and Family Welfare (P1) Department, Government of Tamilnadu vide which they notified that state of Tamilnadu has been divided into 8 zones and issued additional guidelines for strict adherence on movement of person/ vehicle, testing & quarantine strategies for management of COVID-19 in the state.

After that Government of India has announced "Unlock 1.0" in entire country except containment zones but Government of Tamilnadu has instructed to extended all restrictions issued vide additional guidelines for strict adherence on movement of person/ vehicle, testing & quarantine strategies for management of COVID-19 in the state.

In addition to that due to surge of cases of COVID-19 in State of Tamilndau, Government of these states has given instruction to compulsory quarantine period of 14 days for passenger/people who are coming in the state from another state.

Thus, Concessionaire started construction activities in Project Highway after getting permission from District Administration as well as tried to get momentum of the Progress of work as like they have on 20.03.2020 but they are facing lots of challenges like non-availability of desired nos. of skilled labours, non-availability of desired staff for operation of our machineries, non-availability of spare parts in local market due to disturbance of supply chain, due to enforcement of 14 days Quarantine as per Govt. norms labours are also not willing to come back to work considering upcoming Monsoon season, etc. which are beyond of control of Concessionaire.

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

Sl. No	From	To	Effectd 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	Thiruvanzuli	Mr.Dharmalingam
2	138+500	138+540		Court Stay	-	Thiruvanzuli	Mr.Shanmugam
3	138+750	138+850	500 m	Court Stay		Thiruvanzuli	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 Tamilselvi
Total Effectd Length in Meters			2520				

Table 10.1. Details of Important Events			
Sl. No	Date of Events	Description of Events	Remarks

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

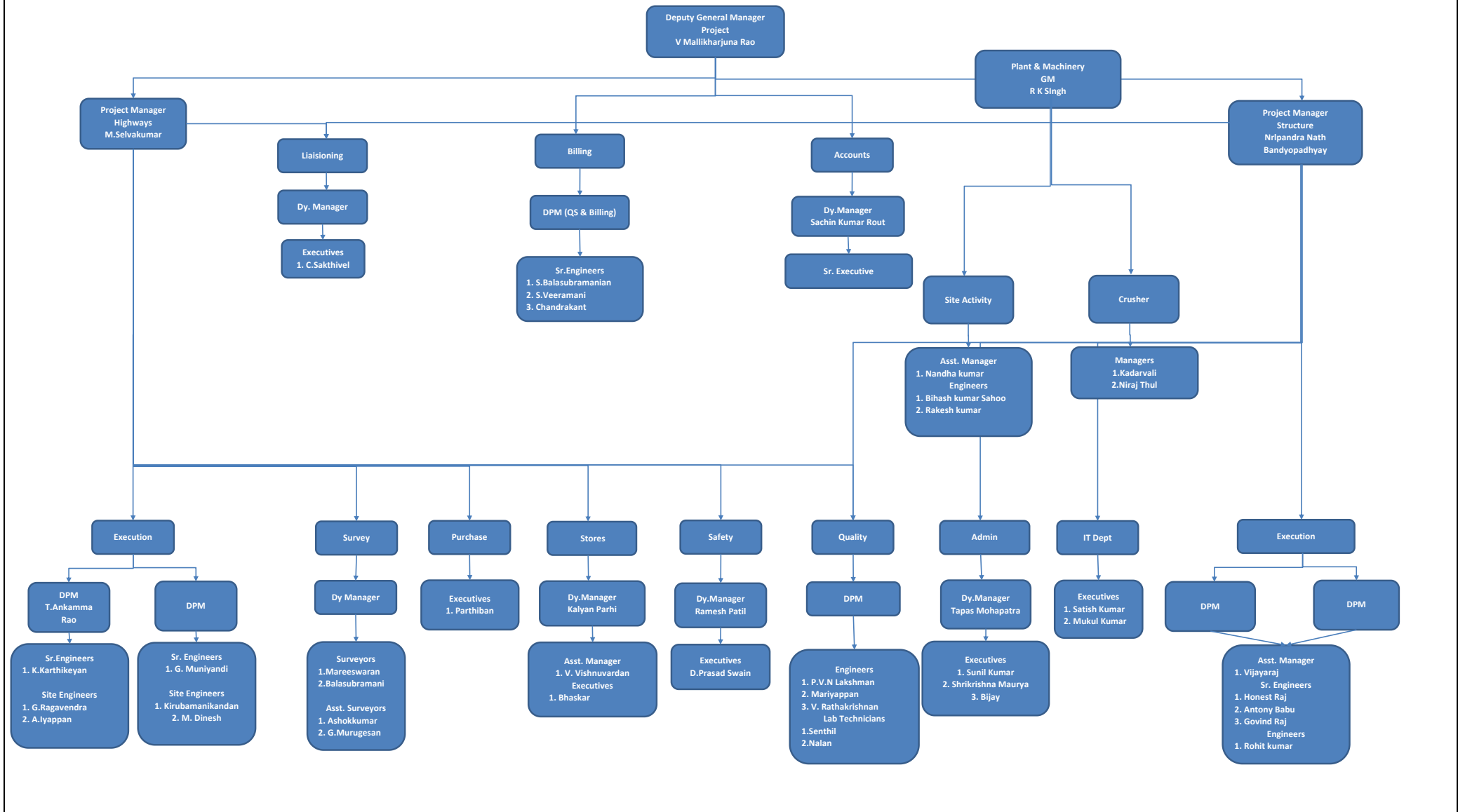
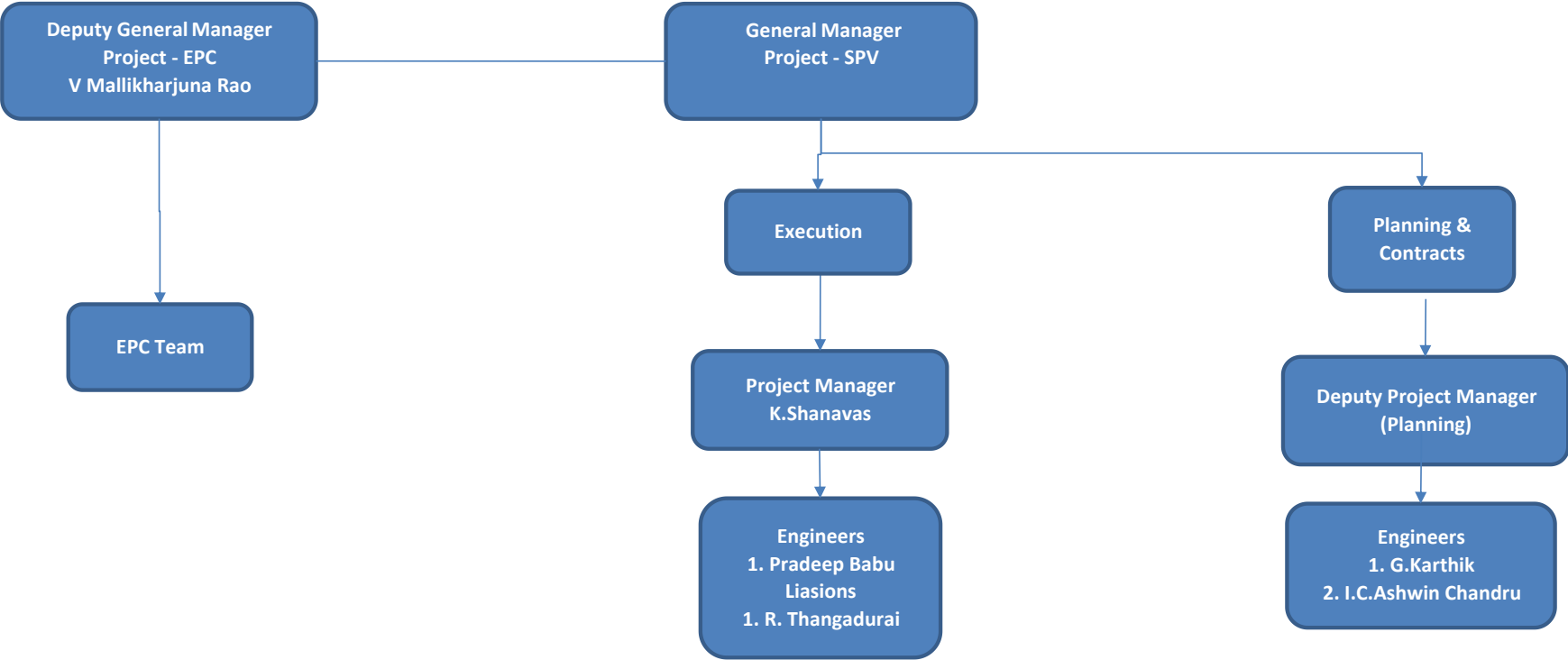


Figure 5 - ORGANAIZATION CHART - SPV TEAM



12. List of Plants, Machinery and Equipment's

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		Remarks
1	07-06-2020	PCTHPL/CTP/NHAI/2020/711	Submission of EPF and ESIC paid Challan - Request to release the withheld from the Utility shifting bills	
2	27-06-2020	PCTHPL/CTP/NHAI/2020/730	Implementation of Performance Evaluation, Monitoring and Rating System for Vendors in NHAI i.e. Concessionaires, Contractors and Consultants - Obtaining the Input data from Concessionaires, Contractors and Consultants working with NHAI	
3	30-06-2020	PCTHPL/CTP/NHAI/2020/732	Request for the release of 1st Mobilization advance bank guarantee i pursuant to provision provided under clause 23.8 of the concession agreement	

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 - NHA TO CONCESSIONAIRE

S.No	Date	Letter No	Subject	Remarks
1	01-06-2020	NHAI/PIU/Thanj/11026/13/2020/857	Details of payment made for water supply utility shifting RA Bill 4	
2	01-06-2020	NHAI/PIU/Thanj/11026/12/2018/859	Details of payment made for electrical utility shifting RA Bill 15	
3	02-06-2020	NHAI/PIU/Thanj/11026/15/2018/866	Requesting extension of time on account of force majeure clause as per office memorandum dated 13.05.2020-remarks called for	
4	03-06-2020	NHAI/PIU/Thanj/11026/22/2018/890	Submission of GAD for 01 No of Proposed Maor Bridge for the concurrence of Tamilnadu PWD/WRO-NOC issued-Communicated	
5	04-06-2020	NHAI/PIU/Thanj/11026/15/2018/879	Remittnce towards contribution of welfare cess Tamilnadu workers general welfare board	
6	05-06-2020	NHAI/PIU/Thanj/11026/28/2018/895	Removal of fuel station exist at Km 128+850 of Asoor Village along the National Highwaya in the Project Site-requested	
7	03-06-2020	NHAI/PIU/Thanj/11026/22/2018/890	Submission of GAD for 01 No of Proposed Major Bridge for the concurrence of Tamilnadu PWD/WRO-NOC issued communicated	
8	08-06-2020	NHAI/PIU/Thanj/11026/22/2018/903	Submission of GAD for 02 No of Proposed Minor Bridge for the concurrence of Tamilnadu PWD/WRO-NOC issued communicated	
9	08-06-2020	NHAI/PIU/Thanj/11026/22/2018/906	Submission of GAD for 04 No of Proposed Minor Bridge for the concurrence of Tamilnadu PWD/WRO-NOC issued communicated	
10	12-06-2020	NHAI/PIU/Thanj/11026/28/2018/923	Removal of Unauthorized Religious structures t Km 122+080 to Km 122+100 (RHS)	
11	12-06-2020	NHAI/PIU/Thanj/1103/01/2009/930	Guidelines for determination of Cost of Change of Scope (COS) Reduction in Scope (RIS) due to Withdrawal of works Alteration(Change omission in existing item) in Works in EPC Projects-Applicable Schedule of Rates, Design Charges, Maintenance Charges	
12	12-06-2020	NHAI/PIU/Thanj/11026/01/2018/945	Guidelines for determination of Cost of Change of Scope (COS) Reduction in Scope (RIS) due to Withdrawal of works Alteration(Change omission in existing item) in Works in Hybrid Annuity Mode (HAM) Projects-Applicable Schedule of Rates, Design Charges, Maintenance Charges	

S.No	Date	Letter No	Subject	Remarks
13	18-06-2020	NHAI/PIU/Thanj/11026/15/2019/966	Regarding lock down of Project site due to Novel corona virus Disease (COVID-19) Extension of Lockdown period upto 30.06.2020 ordered by Ministry of Home affairs vide order No 40-3/2020-DM-I(A) Dated 30.05.2020	
14	20-06-2020	NHAI/PIU/Thanj/11026/06/2018/985	Melachemmangudi Village of papanasam Taluk in Thanjavur District-Provision of Underpass requested	
15	20-06-2020	NHAI/PIU/Thanj/11026/11/2018/987	Removal of Teak wood Trees-Permission accorded by Forest Department-Communicated	
16	22-06-2020	NHAI/PIU/Thanj/11026/28/2018/993	Removal of Fuel station exist at Km 128+850 of Asoor village along the National Highways in the project site-requested	
17	22-06-2020	NHAI/PIU/Thanj/11026/15/2018/998	Requesting Extension of time on account of force majeure clause as per office memorandum dated 13.05.2020-remarks called for	
18	22-06-2020	NHAI/PIU/Thanj/11026/06/2018/1007	NOC requested for construction of Bus shelter in Thiruvalanzuli Panchayat existing road at Km 130+770 from MLA Fund	
19	23-06-2020	NHAI/PIU/Thanj/11026/15/2018/1013	Petition Received from T.Aravindan	
20	23-06-2020	NHAI/PIU/Thanj/11026/28/2018/1018	Removal of Unauthorized Religious structures at Km 122+080 to Km 122+100 (RHS)	

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	02-06-2020	PCTHPL/CTP/IE/2020/706	Compliance report-Design and drawings of Major Bridge cum VUP at Km 156+584	
2	02-06-2020	PCTHPL/CTP/IE/2020/707	Submission of Method statement for Ground Improvement works	
3	02-06-2020	PCTHPL/CTP/IE/2020/708	Compliance Report - Design and Drawing of Minor Bridge at Km.126+134	
4	02-06-2020	PCTHPL/CTP/IE/2020/709	Submission of revised Drawing of Minor Bridge at Km.144+880	
5	06-06-2020	PCTHPL/CTP/IE/2020/710	Submission of Third Party Test Reports of Reinforcement steel	
6	07-06-2020	PCTHPL/CTP/IE/2020/712	Submission of Monthly Progress report for the month of May 2020	
7	11-06-2020	PCTHPL/CTP/IE/2020/713	Permission for commencement of Regular piling works for the proposed Major bridge at 131+980	
8	11-06-2020	PCTHPL/CTP/IE/2020/714	Submission of revised Design & drawings of major Bridge at Ch 149+355	
9	13-06-2020	PCTHPL/CTP/IE/2020/715	Submission of Revised Construction Programme	
10	14-06-2020	PCTHPL/CTP/IE/2020/716	Soil Test Report for the Proposed Borrow area No.44, 02, 37, 41 of the Project	
11	16-06-2020	PCTHPL/CTP/IE/2020/717	Submission of Mix design report for cement grout	
12	16-06-2020	PCTHPL/CTP/IE/2020/718	Existing shoulder Soil test reports	
13	16-06-2020	PCTHPL/CTP/IE/2020/719	Soil Test Report for the proposed borrow area of the project (BA No 45 & BA No 27)	
14	21-06-2020	PCTHPL/CTP/IE/2020/720	submission of method statement for extension of lap length on structures	
15	22-06-2020	PCTHPL/CTP/IE/2020/721	Soil test reports for the proposed Borrow area of the Project (BA No 40 & BA No 26)	
16	24-06-2020	PCTHPL/CTP/IE/2020/722	Review of revised drawings of Minor bridge at Km 144+880	
17	24-06-2020	PCTHPL/CTP/IE/2020/723	Compliance Report-Non-Conformance report No.6 – Concrete cubes required strength at 28 days not achieved for Minor Bridge – at Ch 148+592 LHS	
18	24-06-2020	PCTHPL/CTP/IE/2020/724	Compliance Report-Compliance Report-Non-Conformance report No.13 -Laying Embankment layers on the slab of the box culvert before completion curing period at ch 163+700	

S.No	Date	Letter No	Subject	Remarks
19	24-06-2020	PCTHPL/CTP/IE/2020/725	Compliance Report-Non-Conformance report No.5 – Concrete cubes required strength at 28 days not achieved for Minor Bridge – at Ch 161+227	
20	24-06-2020	PCTHPL/CTP/IE/2020/728	Submission of detailed drawings of Proposed Major and Minor intersection as per cause 4.8 of Annexure-I of Schedule B of concession agreement	
21	26-06-2020	PCTHPL/CTP/IE/2020/729	Submission of compliance report for the design and drawings of major bridge at ch 149+355	
22	27-05-2020	PCTHPL/CTP/IE/2020/731	Non conformance Report No 16-Closure Request	

Project Name:- Four Laning of Cholapuram – 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	01--06-2020	THEME/NHAI/CHO-TNJR/CON/0620/591	Minutes of Project Review Meeting	
2	02-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/592	Location of providing opening and busbays cum bus shelters- Request for joint Inspection	
3	02-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/593	Releasing of water from mettur dam for cultivation in delta Regions	
4	02-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/594	Location of providing median opening and bus bays cum bus shelters -Request Joint Inspection	
5	05-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/596	Submission of methodology for Ground improvement works	
6	05-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/597	Compliance report-Design & drawings of Minor bridge at Km 126+134	
7	05-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/598	Review of revised drawings of Minor Bridge at Km 144+880	
8	05-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/599	Review of road Furniture Drawings for the project highway-Compliance report	
9	08-06-2020	THEME/NHAI/CHO-TNJR/ATH/0620/319	Extension of Time on account of Force majeure Clause as per office Memorandum dated 13.05.2020-remarks called for	
10	09-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/600	Compliance report -Design Drawing of Proposed major Bridge cum VUP at Km 156+584	
11	11-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/601	Submission of GAD for 01 No of Proposed Major Bridge for the concurrence of Tamilnadu PWD WRO-NOC Issued Communicated	
12	11-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/602	Existing Road maintenance	
13	15-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/603	Submission of GAD for 2 Nos of Proposed Minor Bridges for the concurrence of Tamilnadu PWD WRO-NOC Issued Communicated	
14	15-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/604	Submission of GAD for 4 Nos of Proposed Minor Bridges for the concurrence of Tamilnadu PWD WRO-NOC Issued Communicated	
15	15-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/605	Minutes of Project Review meeting No 19	
16	16-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/606	Review of soil test reports for the borrow area	

S.No	Date	Letter No	Subject	Remarks
17	17-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/608	Extension of width of box culvert at Ch 127+800 BHS without information-Non Conformance Report No 19	
18	18-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/609	Comments on Design and drawings for 05 Nos of Minor Bridge in Service road	
19	19-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/610	Mix design report for cement grout	
20	19-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/611	Review of soil test reports for the borrow area(BA No 45 & BA No 27)	
21	20-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/612	Review of Revised Construction Programme	
22	24-06-2020	THEME/NHAI/CHO-TNJR/ATH/0620/326	Melachemmankudi village of Papanasam Taluk in Thanjavur District-Provision of underpass requested	
23	25-06-2020	THEME/NHAI/CHO-TNJR/ATH/0620/327	Concessionaire submission of IPC against monthly executed works as per NHAI policy and recommendation	
24	26-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/613	Review of Revised Drawing of Minor Bride at Km 144+880	
25	26-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/614	Review of Method statement for extension of lap length on structures	
26	26-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/615	Review of soil test reports for the borrow Area No 40 & Borrow area No 26	
27	26-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/616	Review of detailed drawings of proposed Major & Minor Intersection as per clause 4.8 of Annexure-I of Schedule B of Concession Agreement	
28	30-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/617	Required Concrete Cubes strength at 28 days not achieved at Haunch portion of Minor Bridge at Ch 148 + 592 LHS	
29	30-06-2020	THEME/NHAI/CHO-TNJR/CON/0620/618	Laying Embankment layers on the slab of the Box culvert before completion of curing period at Ch 163 +700	

15. Progress Photographs

Sl. No	Description	Location	Side	Remarks
1.	EMBANKMENT IN PROGRESS	118+640	BHS	
2.	EMBANKMENT IN PROGRESS	124+000	BHS	
				
Sl. No	Description	Location	Side	Remarks
3.	EMBANKMENT TOP LAYER IN PROGRESS	138+200	BHS	
4.	EMBANKMENT IN PROGRESS	142+050	BHS	
				

Sl. No	Description	Location	Side	Remarks
5.	SUBGRADE FIRST LAYER IN PROGRESS	123+700	LHS	
6.	SUBGRADE TOP LAYER IN PROGRESS	143+500	NHS	
				
Sl. No	Description	Location	Side	Remarks
7.	SUBGRADE 1 st LAYER IN PROGRESS	143+250	BHS	
8.	SUBGRADE TOP LAYER IN PROGRESS	143+300		
				

Sl. No	Description	Location	Side	Remarks
1.	CTSB LAYING IN PROGRESS	122+520	LHS	
2.	CTSB LAYING IN PROGRESS	146+000	LHS	



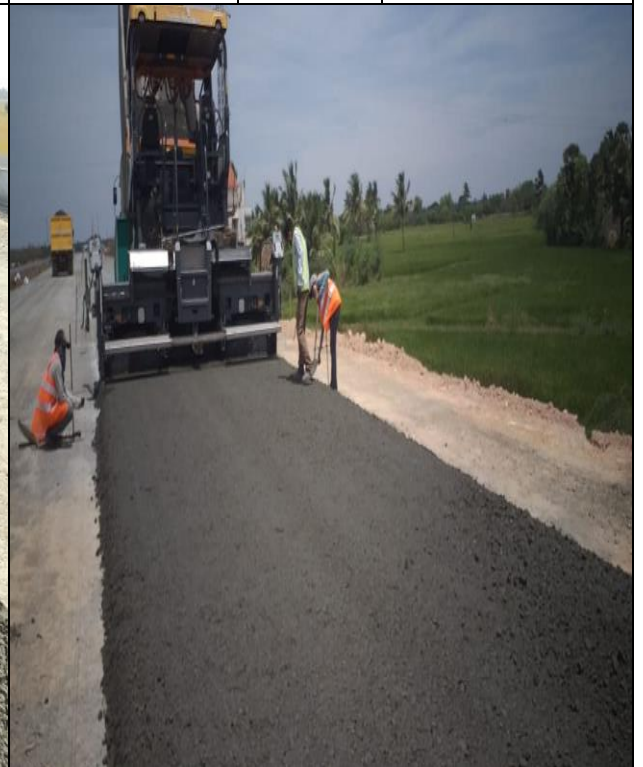
Sl. No	Description	Location	Side	Remarks
3.	CTSB IN PROGRESS	146+150	LHS	
4.	CTSB IN PROGRESS	143+280	RHS	



Sl. No	Description	Location	Side	Remarks
1.	WMM TOP LAYER IN PROGRESS	122+510	LHS	
2.	WMM TOP LAYER IN PROGRESS	122+690	LHS	



Sl. No	Description	Location	Side	Remarks
3.	WMM TOP LAYER IN PROGRESS	163+940		
4.	WMM TOP LAYER IN PROGRESS	162+040		



Sl. No	Description	Location	Side	Remarks
1.	BOX CULVERT RAFT IN PROGRESS	133+748	LHS	
2.	BOX CULVERT RAFT IN PROGRESS	127+612		



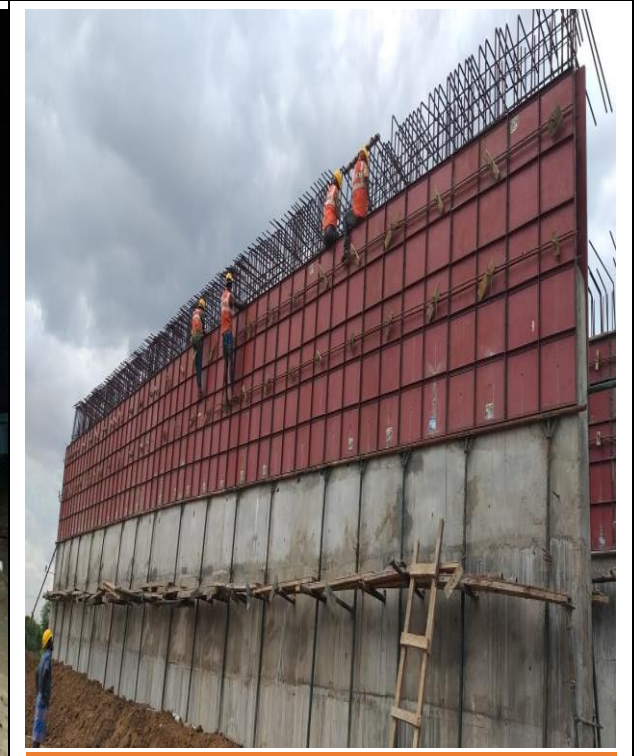
Sl. No	Description	Location	Side	Remarks
3.	BOX CULVERT IN PROGRESS	129+080	RHS	
4.	BOX CULVERT IN PROGRESS	127+800	BHS	



Sl. No	Description	Location	Side	Remarks
1.	MINOR BRIDGE RAFT IN PROGRESS	143+130	BHS	
2.	MINOR BRIDGE RAFT IN PROGRESS	18548		



Sl. No	Description	Location	Side	Remarks
3.	MINOR BRIDGE SLAB IN PROGRESS	143+995		
4.	MINOR BRIDGE IN PROGRESS	138+585		



Sl. No	Description	Location	Side	Remarks
1.	VUP GIRDER LAUNCHING COMPLETED CROSS GIRDER IN PROGRESS	139+477		
2.	MAJOR BRIDGE IN PROGRESS	131+980		



Sl. No	Description	Location	Side	Remarks
3.	ROB IN PROGRESS	134+355		
4.	RE WALL IN PROGRESS	157+100		

