

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 APRIL 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 2.1-6: Hindrance Photographs	19
Table 2.2-1: Status of Removal of Religious structures	16
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	17
Table 3.1-1: Status of Design and Drawings -Highway	40
Table 3.1-2: Status of Design and Drawings - Structures	40
Table 4.1 : Physical Progress of Works	41
Table 4.2 : Strip Chart for Highway Works	45
Table 4.3 - 1 : Strip Chart for status of Box Culverts on Existing Road	58
Table 4.3 - 2 : Strip Chart for status of Box Culverts on Bypass	59
Table 4.3 - 3 : Strip Chart for status of MNB	60
Table 4.3 - 4 : Strip Chart for status of PUP	62
Table 4.3 - 5 : Strip Chart for status of MNB	63
Table 4.3 - 6 : Strip Chart for status of FLYOVER	64
Table 4.3 - 7 : Strip Chart for status of VUP	65
Table 4.3 - 8 : Strip Chart for status of ROB	66
Table 6.1 - 1 QA/QC Lab Equipment at Pateeswaram Lab	69
Table 6.2-1: Summary of Quality Control Tests	74
Table 10.1 : Details of Important Events	83
Table 12.1 - List of Plants, Machinery and Equipment's	87
Table 13.1 - Status of Change of Scope Proposals	88
Table 14.1. - Concessionaire to NHAI	90
Table 14.2. - NHAI to Concessionaire	91
Table 14.3. - Concessionaire to Independent Engineer	92
Table 14.4. - Independent Engineer to Concessionaire	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, Tiruchirappalli. 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

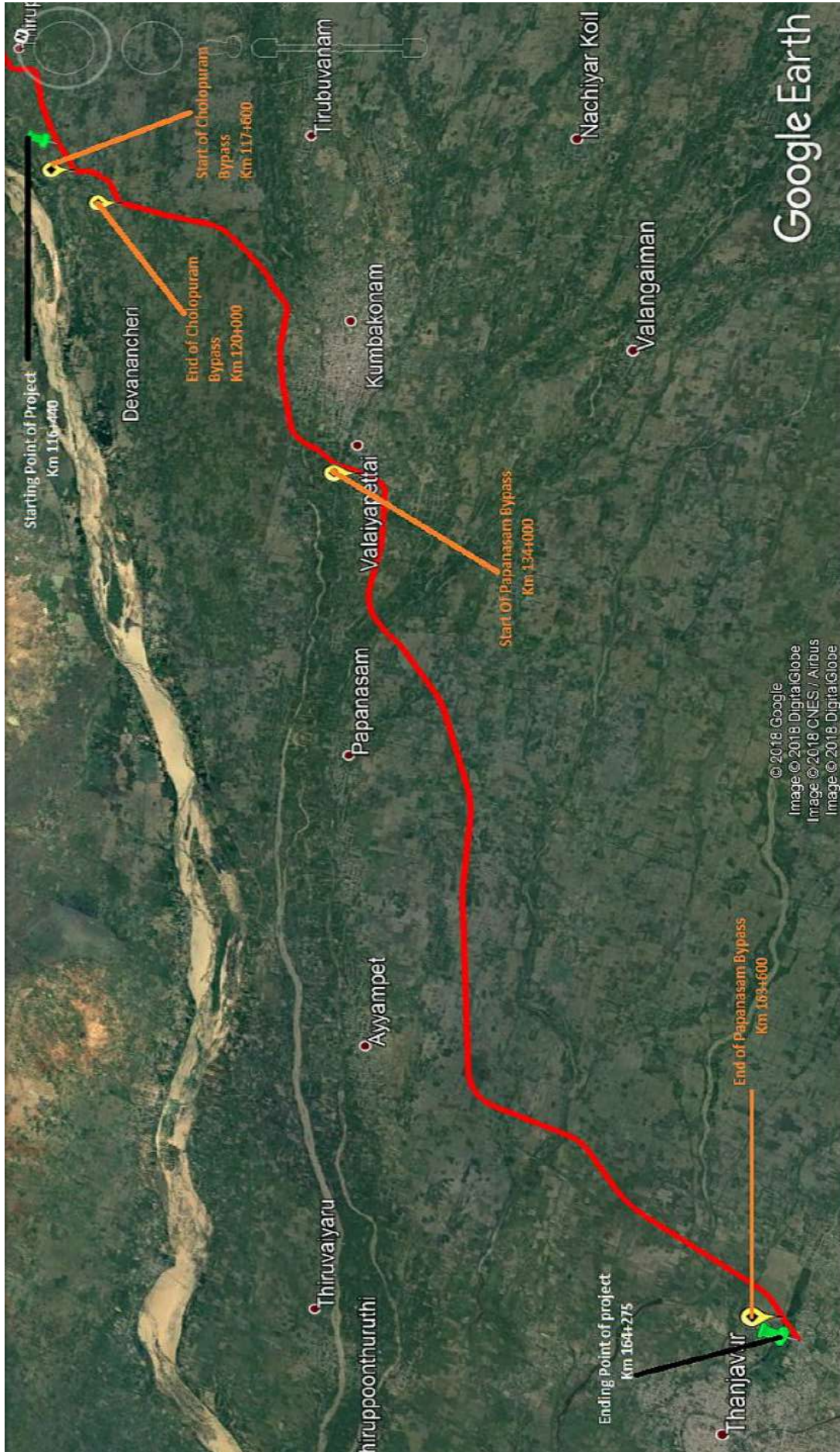
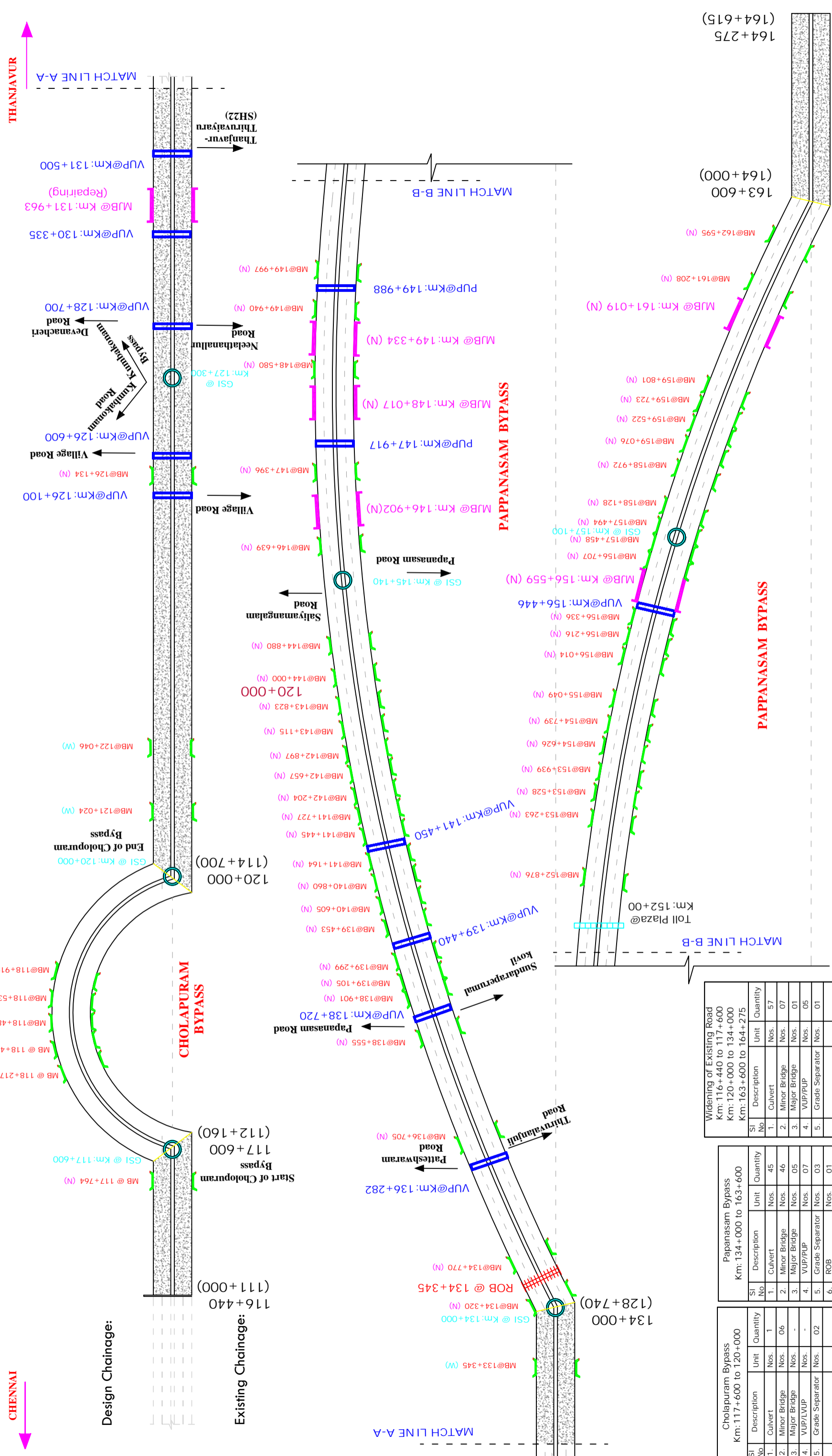


Table- 01: Details of Project Alignments

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	VUP/PJP	Nos. 05
5.	Grade Separator	Grade Separator	Nos. 01

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

SI No	Description	Unit	Quantity
1.	Cholapuram Bypass Km: 117+600 to 120+000	Culvert	Nos. 1
2.	Minor Bridge	Minor Bridge	Nos. 06
3.	Major Bridge	Major Bridge	Nos. 01
4.	VUP/LVUP	VUP/PJP	Nos. -
5.	Grade Separator	Grade Separator	Nos. 02

LEGEND:

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

Salient Features of Project:

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.	Grade Separated Structure	Nos.	06
7.	VUP/PJP	Nos.	12
8.	Major Bridge	Nos.	06
9.	Minor Bridge	Nos.	59
10.	Slab Culvert	Nos.	29
11.	Minor Intersection	Nos.	22
12.	Major Intersection	Nos.	20
13.	Bus Bays and Shelters	Nos.	05
14.	Toll Plaza	Nos.	01
15.	ROB	Nos.	01

Drawing Title
Strip Plan - Cholapuram to Thanjavur Highway Project

Date: 30-09-2018

Project No. PCTHP/NHAI/TN/001

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

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

1.1. Project Overview

Name of Work	Four Laning of Cholopuram-Thanjavur from km. 116.440 to Km.164.275 of NH-45C under NHDP-IV on Hybrid Annuity Mode Basis
Name of Employer	National Highways Authority of India (NHAI) G-5 & 6, Sector-10, Dwarka, New Delhi -110075
Name of Concessionaire	Patel Cholopuram-Thanjavur Highway Pvt Ltd, Patel House, Beside Prakruti Resorts, Chanani Road, Vadodara. Gujarat- 391740 Tel: +91-265 277 6678 Fax: +91-265 277 7878
Independent Engineer	M/s. Theme Engineering Services Pvt. Ltd, 8, Thomaiyammal Nagar, 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	10.06.2021
Maintenance Period	15 years from COD

1.2. Salient Project Features

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

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

1.3. Contractual Project Milestones

Following is a listing of the Key Project Milestones:

Mile Stone	Description	Target Date	Revised Target date as per recommended EOT
Mile Stone-I	Concessionaire shall expended not less than 20 % of the Total capital cost and shall have commenced construction of the project and achieved 20% of physical progress on 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: -

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%	

Sr. No.	Name of the District	Total No. of structures	Amount paid (in Nos)	Balance to be Paid (in Nos)	Remarks
1	Thanjavur	813	662	151	
	Total in Nos	813	662	151	
	Total in %		81.43%	18.57%	

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

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

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





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



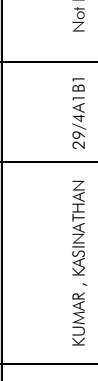



Table 2.1.6 - Hindrance Photographs (30.04.2020)







S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
1	116+440	116+475	35	LHS	Manambadi	HUT - 3	3	CHINNAPILLAI, DHARMARAJ,SAROJA, ELANGOVAN	43/98 (Saroja), 43/10B (D Raj)	Paid	VERIFICATION IN PROCESS	
2	116+440	116+450	10	RHS	Manambadi		2	KARTHIK, KUNJAMMAL	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,PALANIYANDAM	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 PATTI PROBLEM	
7	116+525	116+540	15	LHS	Manambadi	RCC, GI SHEET	2		48	Not Paid	GOVT.P	
8	116+540	116+560	20	LHS	Manambadi	GI SHED, RCC HOUSE	2	MALLIGA	48/4	Not Paid	GOVT.P	
9	116+570	116+575	5	LHS	Manambadi	GI SHED	1	PITCHA PILLAI	48	Not Paid	GOVT.P	
10	116+580	116+590	10	LHS	Manambadi	RCC HOUSE	1	VALARMATHI THIYAGARAJAN	48	Not Paid	GOVT.P	
11	116+590	116+595	5	LHS	Manambadi	HUT, WIRE FENCING	2	ARUMUGAM, SARASU	48/2A2	Not Paid	GOVT.P	
12	116+595	116+610	15	LHS	Manambadi	G+1 RCC,	1	HEMALATHA, VENMANI	48/2A2	Not Paid	GOVT.P	
13	116+615	116+625	10	LHS	Manambadi	GI SHEET	1	HEMALATHA, VENMANI	48/2A2	Not Paid	GOVT.P	
14	116+645	116+655	10	LHS	Manambadi	HUT & GI SHEET	2	CHELAMMAL, PONNAMMAL, SATHYAMOORTHY	49/11A,49/ 11B	Not Paid	JOINT PATTI PROBLEM & DOCUMENT PROBLEM	
15	116+655	116+660	5	LHS	Manambadi		2	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	CHAIKAKALA, KAVIARASU	49/7A2B	Not Paid	DOCUMENT PROBLEM & TO BE SUB DIVIDED	
18	116+690	116+710	20	LHS	Manambadi	LAND WITH TREES, HUT	1	GUNBAL	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, SAMIKANINU, 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	KANNAYAN	53/10	Not Paid	GOVT.P	
30	116+805	116+825	20	LHS	Manambadi	GI SHED	1	PANIRSELVAM, SAKTHI	49/1C2	Paid	PAID UNDER NOTICE PERIOD	
31	116+810	116+815	5	RHS	Manambadi	HUT	1	MARIMUTHU	53/10	Not Paid	GOVT.P UNPAID	
32	116+810	116+815	5	RHS	Manambadi	RCC	1			Not Paid	PATTI UNPAID	
33	116+815	116+820	5	RHS	Manambadi	HUT	1	RARY	53/10	Not Paid	GOVT.P UNPAID	










S.No	CHAINAGE		SIDE	Name of the Village	Types 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	RHS	Manambadi	RCC	1	CHINNATHAMBI, CHINNADURAI	49/11	Not Paid	PATTA UNPAID	
35	116+825	116+850	LHS	Manambadi	2NO.S STR.	2	REVATHI, PANDIYAN, SELVI, VELU	53/10	Not Paid	UNPAID & RECENTLY SURVEY	
36	116+825	116+840	RHS	Manambadi					Not Paid	2ND PAYMENT UNPAID	
37	116+860	116+880	LHS	Manambadi	PRIMARY SCHOOL, MAHAMARIYAMMAN TEMPLE SMALL CHURUCH WITH GRILL GATE	2	RATHNAM(NATTAMAI)	129/B2	Paid	GOVT.P	
38	116+875	116+885	RHS	Manambadi		1	THOMAS ALWA EDISON	127/119	Not Paid	2ND PAYMENT UNPAID	
39	116+880	116+890	LHS	Manambadi	HUT-2	2	MURUGAN , KAMARAJ	129/1E2,12 9/2A2	Paid	PAID UNDER NOTICE PERIOD	
40	116+885	116+895	RHS	Manambadi	GI SHEET	1	DEVASAGAYAM, LOUIS	127/15A	Not Paid	2ND PAYMENT UNPAID	
41	116+890	116+900	LHS	Manambadi	LAND ONLY	1	L.GANASAN	129/6	Paid	PAID UNDER NOTICE PERIOD	
42	116+895	116+905	RHS	Manambadi	GI SHEET	1	JOSHPIN ANTHONIAMMAL, SEKAR	127/11A	Not Paid	2ND PAYMENT UNPAID	
43	116+900	116+910	LHS	Manambadi	HUT, RCC, TILE	3			Not Paid	2ND PAYMENT UNPAID	
44	116+905	116+915	RHS	Manambadi	GI SHEET	1	JOSHPIN ANTHONIAMMAL, SEKAR	127	Not Paid	2ND PAYMENT UNPAID	
45	116+910	116+920	LHS	Manambadi	RCC	1	PITCHA PILLAI	130/1	Not Paid	2ND PAYMENT UNPAID	
46	116+920	116+925	LHS	Manambadi	GI SHEET	1	BASKAR	130/A,130 /1B	Not Paid	2ND PAYMENT UNPAID	
47	116+920	116+930	RHS	Manambadi	RCC	1		117/5C1B	Paid	PAID UNDER NOTICE PERIOD	
48	116+925	116+940	LHS	Manambadi	RCC	1	YESUDOSS	130/1A1, 130/1B1	Not Paid	2ND PAYMENT UNPAID	
49	116+935	116+940	RHS	Manambadi	HUT	1	RAJAKUMAR		Not Paid	UNKNOWN STATUS	
50	116+940	116+955	LHS	Manambadi	TILED HOUSE	1	PRAKASAM	130/1	Not Paid	2ND PAYMENT UNPAID	
51	116+940	116+955	RHS	Manambadi	RCC	1	SINGRAVELU S/O SHANMUGAM	104/1C,127 /10A1	Paid	PAID UNDER NOTICE PERIOD	
52	116+955	116+960	LHS	Manambadi	RCC	1	THANGARAJU	130/1	Not Paid	2ND PAYMENT UNPAID	
53	116+955	116+965	RHS	Manambadi	RCC	1	BHARATHI W/O TAMILSELVAN	53/11A1, 27/9B2A	Paid	PAID UNDER NOTICE PERIOD	
54	117+005	117+010	LHS	Manambadi	TNPC TEMPORARY GODOWN	1	BALASUBRAMANIAN	121/18		UNKNOWN STATUS	
55	117+010	117+020	LHS	Manambadi	HUT		SUSIAMMAL	121/13	Not Paid	DOCUMENT PROBLEM	
56	117+020	117+025	LHS	Manambadi	RCC HOUSE	1	CHINNATHAMBI	121/12B	Not Paid	2ND PAYMENT UNPAID	
57	117+020	117+080	RHS	Manambadi	FENCING WITH AC SHEET, MARRIAGE HALL WITH G+1 AC SHEET, G+1 TILE CHRUICH	3		127/10D2A, 127/10C1	Paid	DOCUMENT PENDING	
58	117+025	117+030	LHS	Manambadi	HUT	1	RAJAPPAN	121/12A2	Not Paid	2ND PAYMENT UNPAID	
59	117+035	117+045	LHS	Manambadi	TILED HOUSE	1	GNaNAPRAKASAM	121/10	Not Paid	DOCUMENT PROBLEM	
60	117+045	117+055	LHS	Manambadi	GI SHED	1	BHAKIYASAMY	121/12	Paid	PAID	
61	117+045	117+055	LHS	Manambadi	LAND	1	BHAKIYASAMY	121/12	Not Paid	UNPAID	
62	117+060	117+070	LHS	Manambadi	RCC	1	VASUDEVAN	121/7A2	Paid	REVALUTION APPLIED UNDER NOTICE PERIOD	
63	117+070	117+095	LHS	Manambadi	RCC	1	VASUDEVAN , VAIRAM	121/6A2	Paid	PAID UNDER NOTICE PERIOD /NO OBJECTION	
64	117+110	117+125	RHS	Manambadi	TILE,RCC	2		123	Not Paid	JOINT PATTA PROBLEM	
65	117+150	117+155	LHS	Manambadi	NEW CONSTRUCTION BUILDING	1			Paid	PAID /NO OBJECTION / UNDER DISMANTLING	
66	117+175	117+185	LHS	Manambadi	TILE TEA SHOP	1	ANARKALI	120/20	Not Paid	2ND PAYMENT UNPAID	
67	117+175	117+185	LHS	Manambadi	TILE TEA SHOP	1	ANARKALI	120/21	Not Paid	PAID APPLIED FOR UNPAID / DOCUMENT PROBLEM	
68	117+185	117+195	RHS	Manambadi	LAND				Not Paid		







S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Types 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	MUTHHAMIL 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		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	LHS	Vilanthakandam	HUT , 3 NOS RCC BUILDING , TILE HOUSE	3	KASINATHAN, RAMALINGAM, RANJITH KUMAR	134/1B , 134/1A	Not Paid	INTERNAL-COUR CASE - DOCUMENT PROBLEM	
89	120+100	120+115	LHS	Vilanthakandam	G+1 RCC WITH SHOP	1	PONNIYIN SELVAN	134/1B2	Not Paid	REVALUATION- DE VISIT BENDING	
90	120+110	120+130	RHS	Vilanthakandam	HUT, RCC	2	MURUGAN	29/4A1 &A2	Paid	Under Notice Period	
91	120+150	120+160	RHS	Vilanthakandam	WOODSHOP & HOUSE	1	PARAMESWARAN	29/4A1B	Not Paid		







S.No	CHAINAGE		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	RHS	Vilanthakandam	RCC BUILDING WITH COMPOUND WALL	1	KUMAR , KASINATHAN	29/4A1B1	Not Paid	JOINT PATTI PROBLEM	
93	120+175	120+195	LHS	Vilanthakandam	TILE, HUT, GI SHEET	3	MAHALINGAM, RAMACHANDRAN PAKKIRI	134/4	Paid		
94	120+195	120+200	LHS	Vilanthakandam	VINAYAGA TEMPLE WITH ARASAN TREE	1			Not Paid		
95	120+200	120+220	RHS	Vilanthakandam	RCC WITH COMPOUND WALL	1	KALIYAMOORTHY	29/4A1 E	Not Paid		
96	120+200	120+221	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	RHS	Vilanthakandam	AYANAR TEMPLE	1			Not Paid		









S.No	CHAINAGE		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	RHS	Vilanthakandam	AC SHEET, GI SHEET	2	RAJENDRAN		Not Paid	JOINT PATTI PROBLEM	
99	120+225	120+240	RHS	Vilanthakandam	RCC WITH COMPOUND WALL	1	PARVATHY-RAMALINGAM	29/4 B3	Paid Partially	PATTI PAID REVALUATION APPLIED & GOVT. AREA UNPAID	
100	120+240	120+250	RHS	Vilanthakandam	RCC, MANGALORE TILE BUILDING	2	K RAJU	130/2	Paid		
101	120+250	120+260	LHS	Vilanthakandam	RCC	1	KANNAN		Paid		
102	120+250	120+260	RHS	Vilanthakandam	RCC BUILDING	1	NATARAJAN	28/4D1,28/4D2	Not Paid	2ND PAYMENT	
103	120+265	120+275	LHS	Vilanthakandam	RCC	1	THACHINA MURTHY		Paid		







S.No	CHAINAGE		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	RHS	Vilathakandam	RCC COMPLEX WITH HOUSE	1	SETHALADEVI		Not Paid	REVALUATION APPLIED	
105	120+465	120+500	RHS	Kovilacheri	3 HUT & RCC BUILDING-1 NOS	4	SUBRAMANIYAN	32/7A	Not Paid	PATTA COURT CASE	   
106	120+520	120+530	RHS	Kovilacheri	AC SHEET WITH BRICK BUILDING	1	MURUGANATHAM		Paid		 
107	120+535	120+540	RHS	Kovilacheri	RCC BUILDING WOODEN SHOP - 1 NOS	1	RAVICHANDRAN	32/9A	Not Paid	PATTA NOT-PAID	
108	120+575	120+595	RHS	Kovilacheri	RCC BUILDING	1	PANEER SELVAM	325/5E	Not Paid	Death certificate required	

S.No	CHAINAGE		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	RHS	Kovilacheri	RCC BUILDING-3 NOS, MANGALORE TILE BUILDING- 1 NOS	4	KALAICHELI CHAKRAVARTHY, PALANIVEL, KANNAIYAN, PAVADAI	26/2B 26/2B1	Paid - 1 Not Paid - 3	PATTA NOT-PAID	
110	121+110	121+210	RHS	Kovilacheri	FENCING ON LAND	1	PITCHA PILLAI		Paid	PATTA ROW TO BE MARKED	
111	121+460	121+470	LHS	Kovilacheri	RCC BUILDING WITH SHOPS- 2NOS	1	Jayaraman		Paid		
112	121+804	121+806	RHS	Kovilacheri	MARY STATUE-1 NOS	1	KALAMBARAM NATTAMAI		Not Paid	PATTA NOT-PAID	
113	120+450	120+490	LHS	Kovilacheri	PETROL BUNK	1	EZHILSELVAN		Paid		
114	120+515	120+520	LHS	Kovilacheri	HUT HOTEL-1 NOS & HUT- 1 NOS	2	THANGAVEL	4B/1B	Not Paid	Document Issue -COURT CASE	

S.No	CHAINAGE		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	LHS	Kovilacheri	1 SHEET, 2 MANGALORE TILE , 1- RCC BUILDING	4	KUJANCHIAPPAN & 3 NO.S	48/3A2	Not Paid	JOINT PATTA PROBLEM	
116	120+610	120+625	LHS	Kovilacheri	RCC BUILDING WITH TILE ROOF	1	RAJU- AASARIE	48/3B 2	Not Paid		
117	120+670	120+680	LHS	Kovilacheri	GATE	1	SENTHIL KUMAR		Paid		
118	120+685	120+695	LHS	Kovilacheri	RCC BUILDING	1	SANTHOSH KUMAR	48/7	Not Paid		
119	120+685	120+710	LHS	Kovilacheri	AC SHEET WITH WELDING SHOP	1	SAGUR MAN BOY		Not Paid		
120	120+850	120+860	LHS	Kovilacheri	FRONT WALL	1	SANTHOSH KUMAR		Paid		
121	120+880	120+885	LHS	Kovilacheri	WALL WITH EB LINE	1	PERUMAL	51/10B	Paid		

S.No	CHAINAGE		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	LHS	Kovilacheri	HUT	2	SELVI, SUSEELA		Paid	Under Notice Period	
123	121+220	121+240	LHS	Kovilacheri	TEA SHOP & HOTEL	1	LARANCE MARRIE		Paid		
124	121+260	121+290	LHS	Kovilacheri	FENCING & LAND	1			Paid		
125	121+260	121+265	LHS	Kovilacheri	BUSSTOP	1			Paid		
126	121+560	121+570	LHS	Kovilacheri	FENCING WITH EMPTY LAND	1	VIJAYA		Not Paid		
127	121+575	121+585	LHS	Kovilacheri	SHOPS-2 NOS(SARUBALA INDUSTRIES,BABU AUTO WORK SHOP)	2	SUBARAMANI		Paid		









S.No	CHAINAGE		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	LHS	Kovilacheri	GI SHEET HOUSE	1	KARUPAIYAN		Paid		
129	121+590	121+600	LHS	Kovilacheri	HUT	1	PADMANABAN		Paid		
130	121+615	121+655	LHS	Kovilacheri	DHROUPATHIAMMAN TEMPLE	1	MANOHARAN		Paid	Paid to CALA - Committee not formed by the concerns	
131	121+670	121+690	LHS	Kovilacheri	SHOP-5 NOS WITH SUNSHADE	1	RAMAKRISHNAN		Paid		
132	122+080	122+100	RHS	Bagavathapuram	BIG BANIYAN TREE WITH VANAKALIAMMAN TEMPLE	1	MANOHARAN		Not Paid		
133	124+320	124+325	RHS	Koranattukarapur-I	EICHER HOLDING	1	PIA GROUP OF COMPANIES		Paid		
134	125+050	125+090	RHS	Koranattukarapur-I	TOYATO YARD	1			Not Paid	2ND PAYMENT NOT PAID	
135	124+900	125+000	LHS	Koranattukarapur-I	FENCING	1	SRINIVASAN		Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
136	125+010	125+015	5	LHS	Koranathukarapur-I	HUT AND FRONT PORTION WALL	1			Paid	TEMPLE LAND PAID	
137	125+025	125+035	10	LHS	Koranathukarapur-I	RCC BUILDING, AND BORE WELL	2			Paid	TEMPLE LAND PAID	
138	125+085	125+200	115	LHS	Koranathukarapur-I	FENCING	1	JOTHI		Paid		
139	125+400	125+420	20	LHS	Koranathukarapur-I	HUT, RCC, HUT, RCC	4	KADALMANI RAMU, SAMIAYYA PITHCHIAMMAL, MAHALINGAM	136/2B2, 159/1A1B, 159/1R1B, 159/1R2B	Not Paid		
140						HUT	1	SHANMUGAM		Not Paid		
141						TILE HOUSE = 2NOS & HUT = 2 NOS	4	RAJAMANIKKAM		Not Paid		


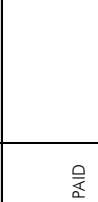
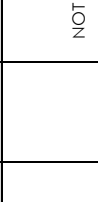


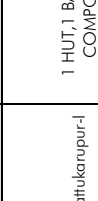
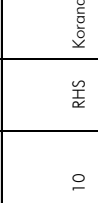
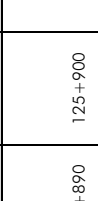

KORANTHUKARAPUR-I






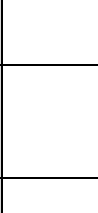
S.No	CHAINAGE		SIDE	Name of the Village	Types of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos																				
	FROM	TO																													
142	125+530	125+580	LHS	Koranattukarapur-I	TILE HOUSE=1NO & HUT=1 NO	2	SAMY AYYA	452/48, 50	Not Paid	DOCUMENT PERSON NAME -RAJAMANIKKAM - 1 ST PAYMENT PAID & 2 ND PAYMENT PENDING																					
												143	125+580	LHS	Koranattukarapur-I	HUT= 1 NO	1	RAJASEKAR	Not Paid												
																						144	125+580	LHS	Koranattukarapur-I	HUT= 1 NO	1	SEKAR PERIYASAMY	Not Paid		
146	125+580	125+600	LHS	Koranattukarapur-I	TILE HOUSE= 1NO	1	KRISHNAN	160/9,161/18	PAID																						
147	125+580	125+585	LHS	Koranattukarapur-I	HUT= 1 NO	1	AMSU (KAARI)		NOT PAID																						
148	125+590	125+610	LHS	Koranattukarapur-I	RCC BUILDING= 1 NO	1	MOTTAYANDI		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING																					
149	125+600	125+605	LHS	Koranattukarapur-I	RCC BUILDING= 1 NO	1	THANGAYAN		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING																					
150	125+600	125+605	LHS	Koranattukarapur-I	HUT= 1 NO	1	THANGAYAN		NOT PAID	LPS NOT DONE																					

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										
151	125+600	125+610	10	LHS	Koranattukarapur-I	RCC BUILDING= 1 NO	1	KALIYAMOORTHY,KALIAMMAL		PAID		
152	125+600	125+610	10	LHS	Koranattukarapur-I	EMPTY LAND	1	KARUNANITHI,VASANTHA		NOT PAID		
153	125+630	125+640	10	LHS	Koranattukarapur-I	RCC BUILDING= 1 NO	1	LAKSHMI,MOOTAIYAN	161/4	PAID		
154	125+560	125+570	10	RHS	Koranattukarapur-I	HUT= 1 NO	1	SELYAM,KARUPPAIYA	164/4A	PAID		
155	125+570	125+580	10	RHS	Koranattukarapur-I	RCC BUILDING= 1NO	1	SHANGILI KARUPPAIYAN	164/4	PAID		
156	125+580	125+585	5	RHS	Koranattukarapur-I	TILE HOUSE= 1NO	1	SAMIYAPPAN	163	PAID		
157					Koranattukarapur-I	TILE HOUSE= 1NO	1	KALIYAMOORTHY & MOTTAYANDI	164	NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
158	125+580	125+600	20	RHS	Koranattukarapur-I	TILE HOUSE= 1NO	1	RAMA MIRUTHAM(VEERAMANJI)		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	









S.No	CHAINAGE		SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO									
159				Koranattukarapur-I	HUT= 1 NO	1	RAMA MIRUTHAM(BAKKIYARAJ& UTHHARAPATHY)		NOT PAID	PAITA NOT PAID	
160	125+670	125+680	RHS	Koranattukarapur-I	AMMAN TEMPLE	1			PAID	PAID TO CALA - EXCESS AMOUNT DISBURSED SO CALA INSTRUCTED BANK TO HOLD	
161	125+680	125+700		Koranattukarapur-I	BUILDING CONSTRUCTION IN BASEMENT LEVEL	1			PAID		
162			RHS	Koranattukarapur-I	HUT= 1 NO	1	KASINATHAN		PAID		
163				Koranattukarapur-I	RCC BUILDING(G+1)	1	JAYARAMAN		PAID		
164	125+730	125+785	RHS	Koranattukarapur-I	TOYOTO SHOW ROOM	1			PAID		
165	125+785	125+805	RHS	Koranattukarapur-I	RCC ROOF HOUSE	1	RAGUNATHAN,CHANDRA		PAID		
166	125+800	125+805	RHS	Koranattukarapur-I	1 HUT	1	BHASKAR RAJAM		PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
167	125+820	125+825	5	RHS	Koranattukarapur-I	RCC ROOF HOUSE	1	KAJIMUTHU		NOT PAID		
168	125+830	125+840	10	RHS	Koranattukarapur-I	RCC ROOF HOUSE	1	MURUGAN		PAID		
169	125+840	125+850	10	RHS	Koranattukarapur-I	RCC ROOF HOUSE	1	CHANDRAKASI		PAID		
170	125+840	125+850	10	RHS	Koranattukarapur-I	RCC ROOF HOUSE	1	MADAN		PAID		
171	125+840	125+850	10	RHS	Koranattukarapur-I	RCC ROOF (CORNER ONLY)	1	RAJENDRAN		NOT PAID		
172	125+860	125+870	10	RHS	Koranattukarapur-I	TILE ROOF HOUSE	1	PUGUAL MURUGAN		NOT PAID		
173	125+870	125+880	10	RHS	Koranattukarapur-I	TILE ROOF HOUSE	1	PUGHALENTHI		NOT PAID	1 ST PAYMENT PAID & 2ND PAYMENT PENDING	
174	125+880	125+890	10	RHS	Koranattukarapur-I	TILE ROOF HOUSE	1	KANAGAMMAL		NOT PAID		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
175	125+890	125+900	10	RHS	Koranattukarapur-I	1 HUT, 1 BATH ROOM & COMPOUNDWALL	3	CHELLAMMAL		NOT PAID		
176	126+050	126+060	10	RHS	Koranattukarapur-II	ACC ROOF HOUSE	1	VIJAYAVALLI		PAID		
177	126+790	126+800	10	RHS	Koranattukarapur-II	(Temple = 1 No, Tiles House = 1 No, Ac Sheer House = 1 No) -PATTA, 1 HUT	4	BALASUBRAMANIAN, KRISHNAVENI, MARRIAMMAL		PAID		  
178	127+120	127+125	5	RHS	Koranattukarapur-II	Borewell	1			Not Paid		 
179	127+300	127+380	80	RHS	Koranattukarapur-II	ANJU TILES	1			PAID		 





S.No	CHAINAGE		SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO									
180	125+790	125+800	LHS	Koranattukarapur-I	TILE ROOF HOUSE-1NO, RCC 1NO	2	JAYAPANDI, CHINNASAMI		PAID		
181	125+800	125+805	LHS	Koranattukarapur-I	HUT	1	SELVI		PAID		
182	125+830	125+840	LHS	Koranattukarapur-I	SAMUTHAYAKUDAM RCC	1			Paid	Paid to BDO only,not yet paid to panchayet	
183	125+840	125+850	LHS	Koranattukarapur-I	HUT	1	JAYARAJ		PAID		
184	125+900	125+910	LHS	Koranattukarapur-I	1 HUT	1	SELVARAJ		PAID		
185	125+940	125+950	LHS	Koranattukarapur-I	1 HUT	1	BALU		PAID		
186	125+950	125+960	LHS	Koranattukarapur-I	HUT 3 NOS	3	ALAGUMUTHU	174/12	NOT PAID		



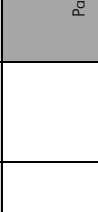




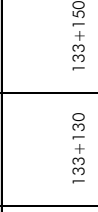
S.No	CHAINAGE		Affected Length	SIDE	Name of the Village	Type of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
187	125+990	126+000	10	LHS	Koranattukarupur-I	TILE ROOF BUILDING	1	VAIRAM	174/9	NOT PAID		
188	127+000	127+010	10	LHS	Koranattukarupur-II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


S.No	CHAINAGE		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									
194	128+810	128+910	LHS	Perumandi	PETROL BUNK AREAS	1			Paid	PATTA	
195	128+990	129+000	LHS	Asoor	WATER SERVICE CENTRE	1			Paid	PATTA	
196	129+000	129+010	LHS	Asoor	VENKATESWARA GEAR SERVICE (3 NOS-SHOPS)	1			Paid	PATTA	
197	129+020	129+030	LHS	Asoor	VINOTH SERVICE CENTRE (3 SHOPS)	1			Paid	PATTA	
198	129+030	129+040	LHS	Asoor	DEVAR STATUE	1			Paid	PATTA	
199	129+040	129+050	LHS	Asoor	ESWARA AUTO MOBILES	1			Paid	PATTA	
200	129+580	129+590	RHS	Melacauvery (Eragaram)	PASUMANGLAM MARIAMMAN TEMPLE	1			NOT PAID	Award under Process, Cheque Issued	
201	129+970	129+980	LHS	MOOPA KOVIL	BUILDING-RCC(G+1)	1	MUMTHAJ BEGUM		PAID	PATTA	

S.No	CHAINAGE		Affected 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										
202	130+310	130+320	10	LHS	MOOPA KOVIL	BUILDING-RCC(G+1)	1	RAJA MOHAMMED	.9/7B,9/8B1	PAID	PATTA	
203	130+210	130+220	10	RHS	MOOPA KOVIL	G+1 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	

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										
208	130+410	130+420	10	LHS	MOOPA KOVIL	HUT	1	KASI AMMAL, DEVI	10/5A	PAID	PORAM POKKU	
209	130+440	130+450	10	LHS	MOOPA KOVIL	HUT	1	ARUL PANDIAN	10/5A	NOT -PAID	PORAM POKKU	
210	130+440	130+450	10	RHS	MOOPA KOVIL	HUT	1	RAVI	10/5A	NOT -PAID	PORAM POKKU	
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		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										
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		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	LHS	Valayapettai	CAR SHED	1			Paid		
219	133+180	133+195	LHS	Valayapettai	ATHUNACHIAMMAN TEMPLE	1			Paid		
220	133+210	133+230	LHS	Valayapettai	EQUITIOS BULIDING	1			Paid		
221	133+260	133+300	LHS	Valayapettai	FENCING	1			Paid		
222	133+580	133+590	LHS	Valayapettai	HUT	1	KAMATCHI	185	NOT PAID	KALAM PORAMBOKU	
223	133+580	133+590	RHS	Valayapettai	PALM TREES - 4 NO.S IN FOREST LAND				NOT PAID		
224	133+585	133+645	LHS	Valayapettai	ANANDHA HOTEL	1		187/B,C	Not Paid	(SECOND PAYMENT PENDING)	
225	133+740	133+820	LHS	Valayapettai	PRECAST COMPOUND PILLER AND GATE	1			Paid		

S.No	CHAINAGE		Effected Length	SIDE	Name of the Village	Types of Hindrances	Total No of Structures	Name of the Owner	Survey No	Payment Status	Type of Issue	Photos
	FROM	TO										
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	Thiruvallanzuli	Hut	1	RAJINI		Not Paid		
230	138+400	138+480	80	RHS	Pateeswaram		1	DHARMALINGAM		Not Paid		
231	138+500	138+540	40	RHS	Pateeswaram		1	SHANMUGAM	4/4A	Not Paid		
232	138+750	138+850	100	RHS	Thiruvallanzuli		1	RAJINI, Thekshina Murthy, Nagaraj		Not Paid		
233	139+439	139+450	11	LHS	Thiruvallanzuli	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

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
Total				47.835					

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

3.1. Pre-Construction Activities

Detailed Design & Drawings

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

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

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

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

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

4.1. Physical Progress of Work

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

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

CUMMULATIVE STATEMENT**For Main Carriageway**

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

For Service Road

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

MPR APRIL 2020

Structure Work

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

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

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

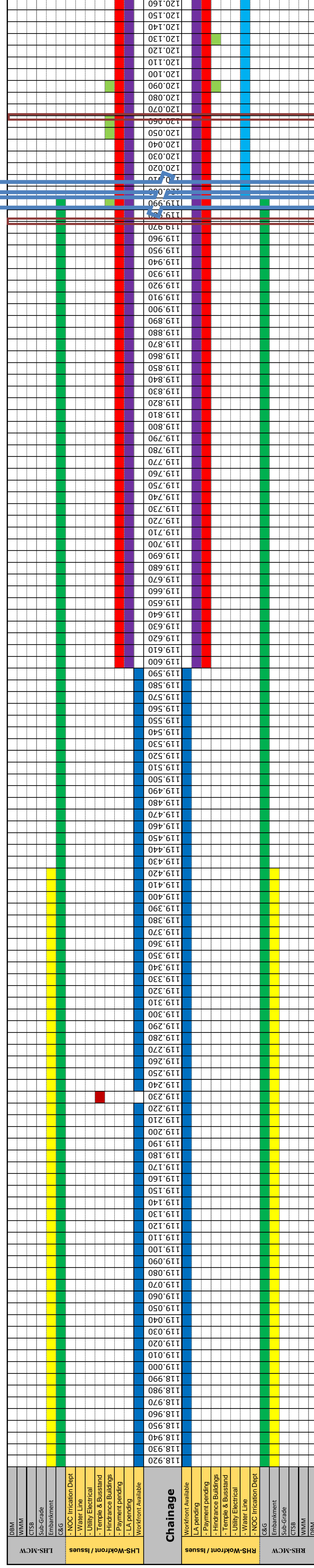
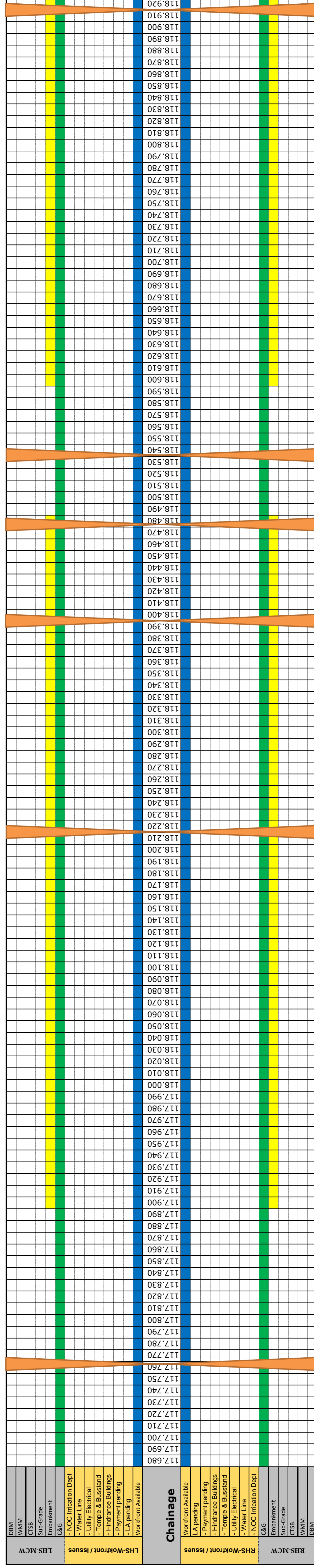
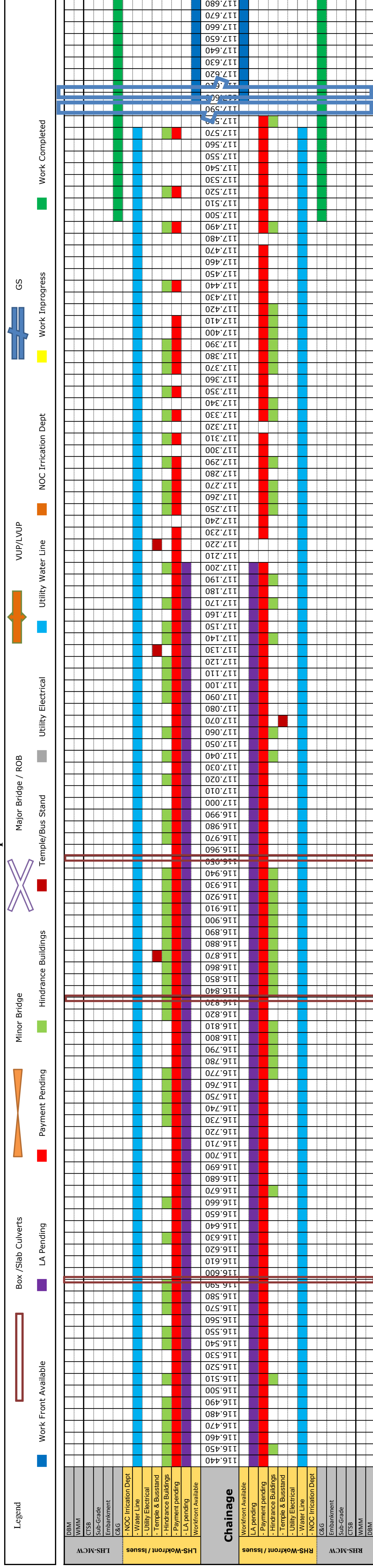
MPR APRIL 2020

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

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

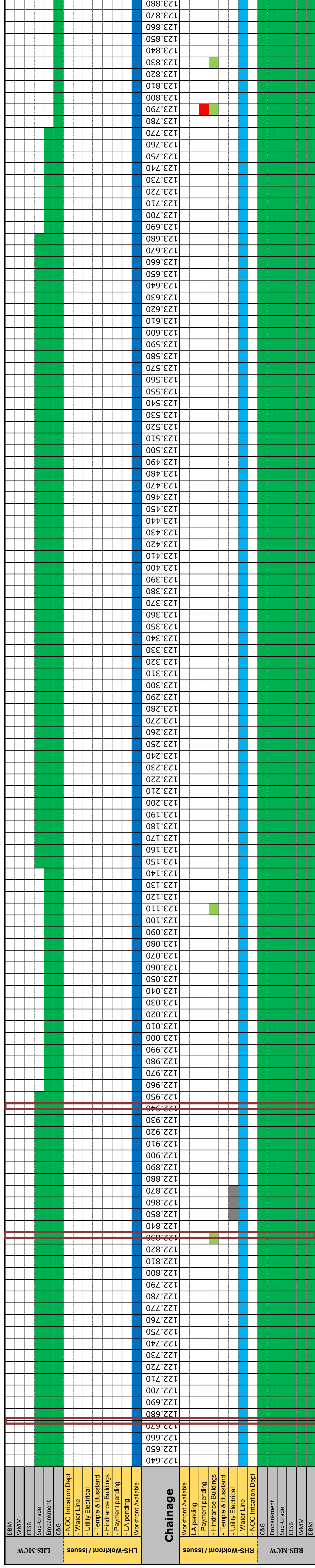
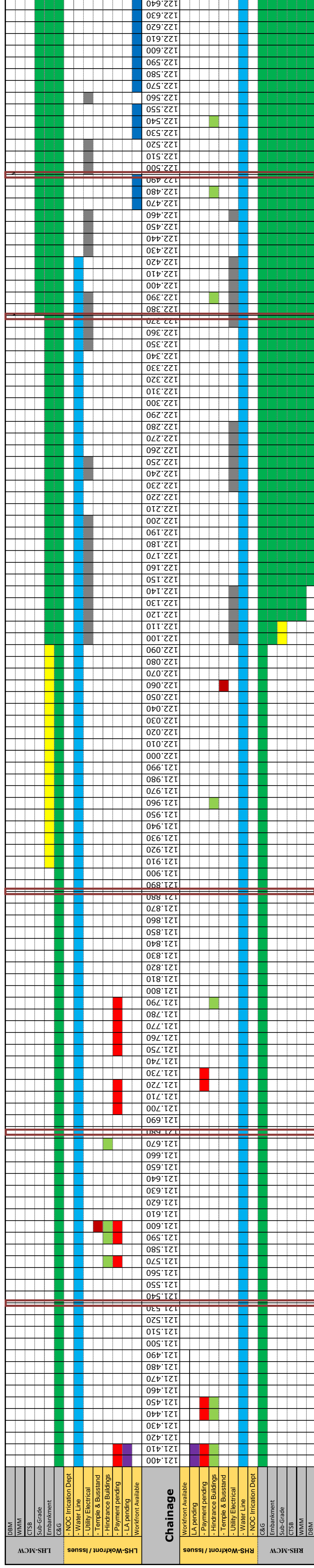
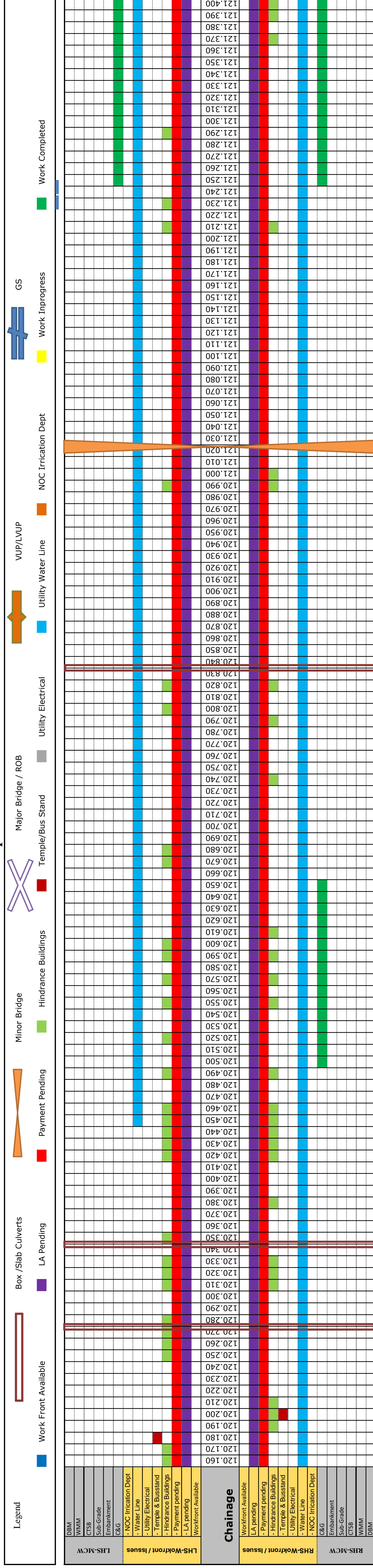
Four Lining of Cholopuram to Thanjavur from Km.116.440 to Km.164.275 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode
Cholopuram - Thanjavur Project

Strip Chart as on 30-04-2020



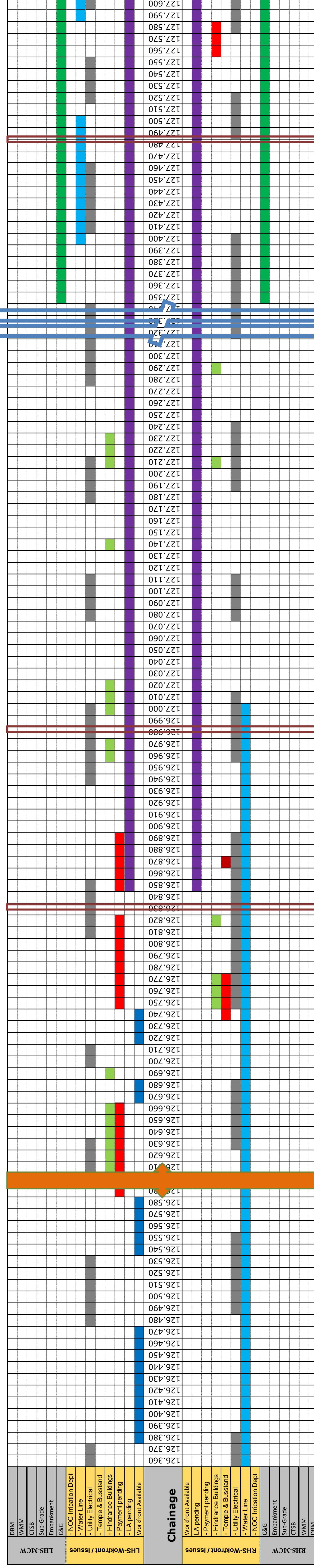
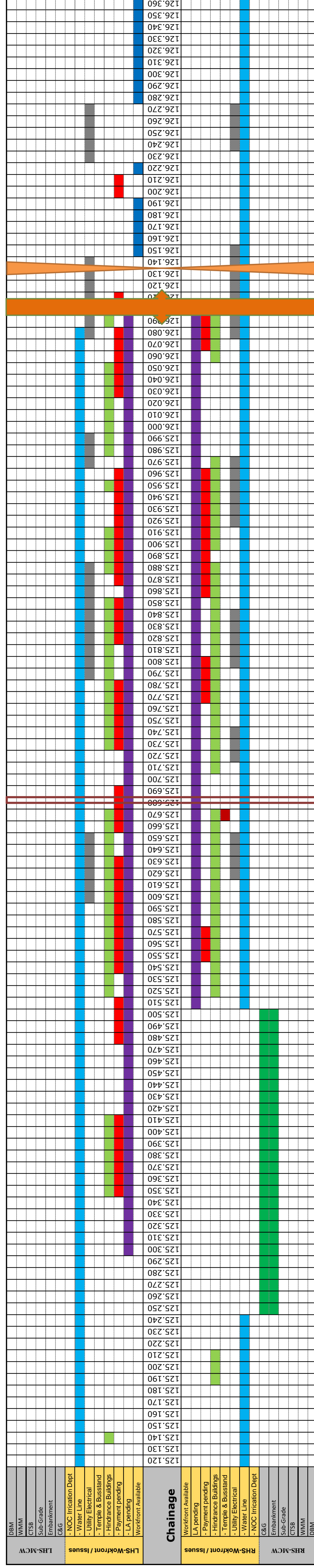
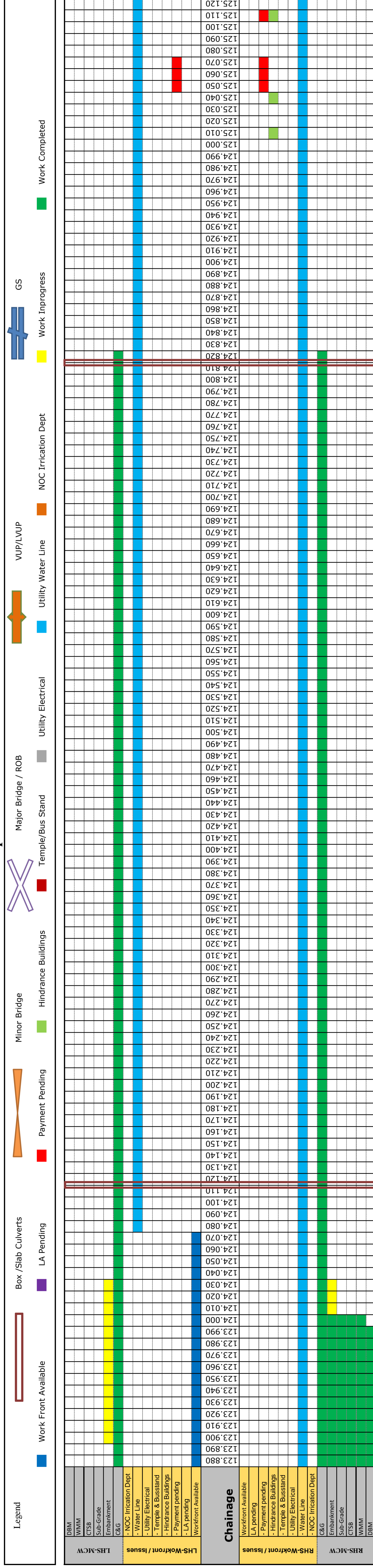
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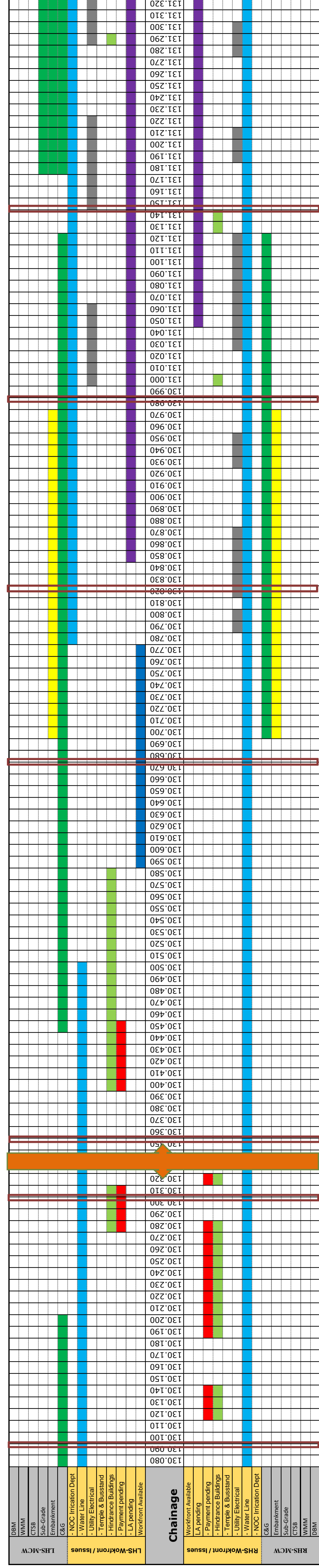
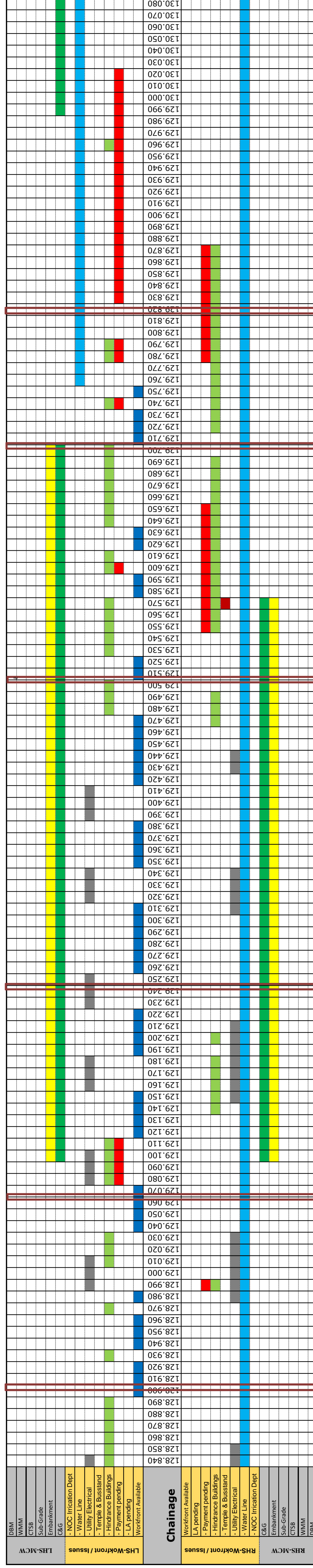
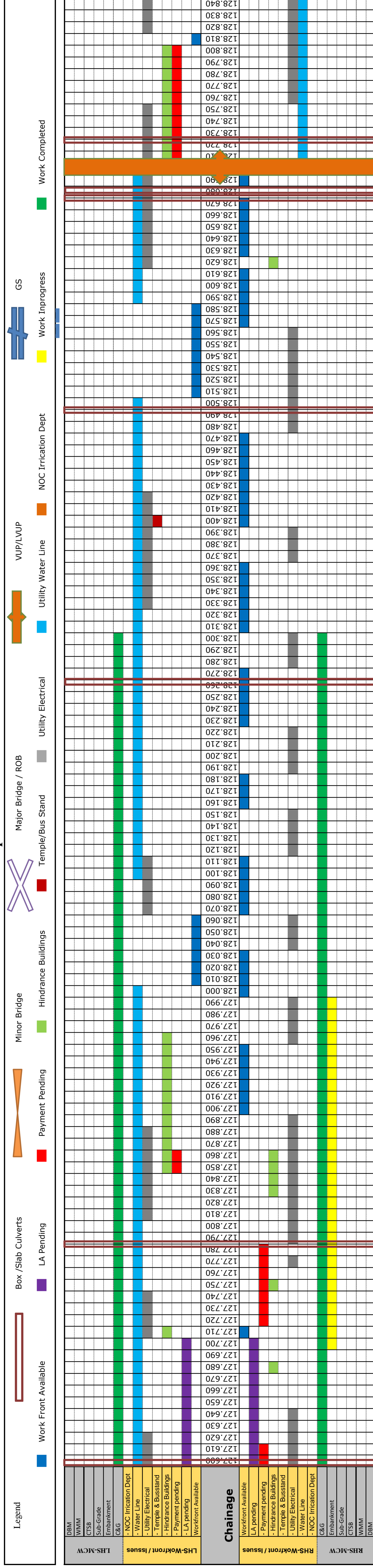
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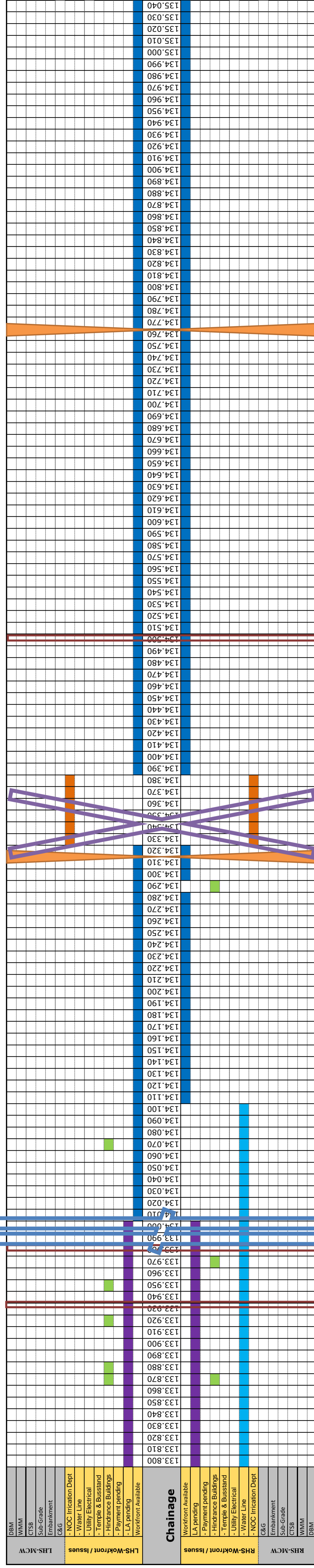
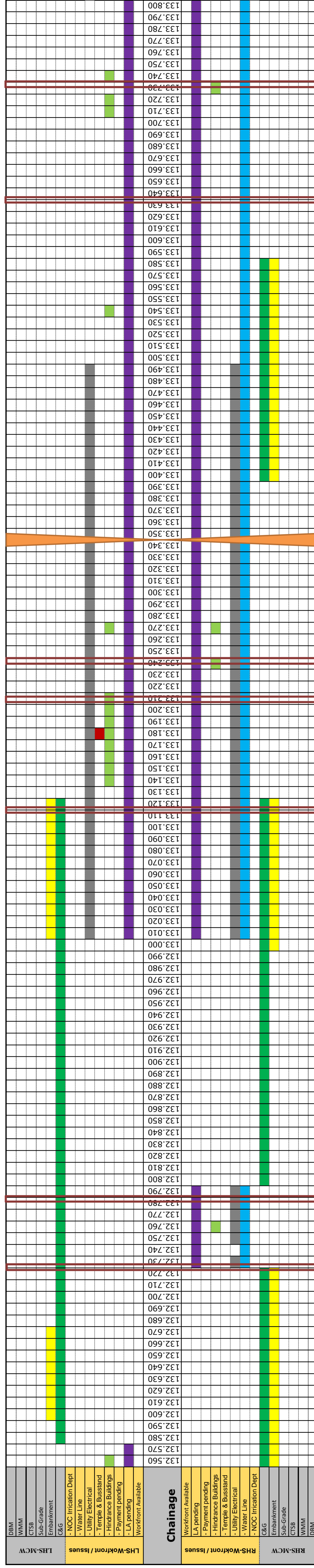
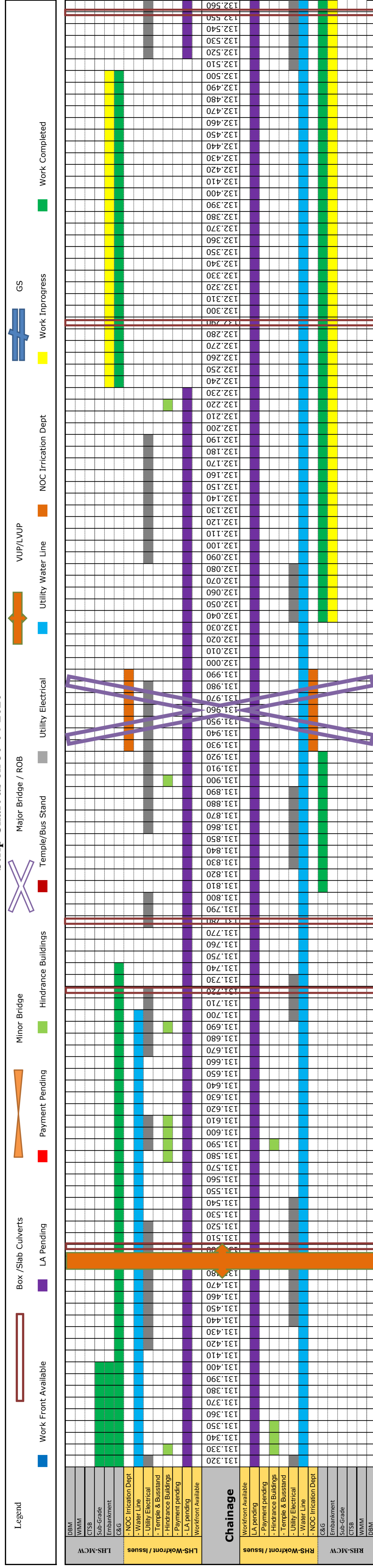
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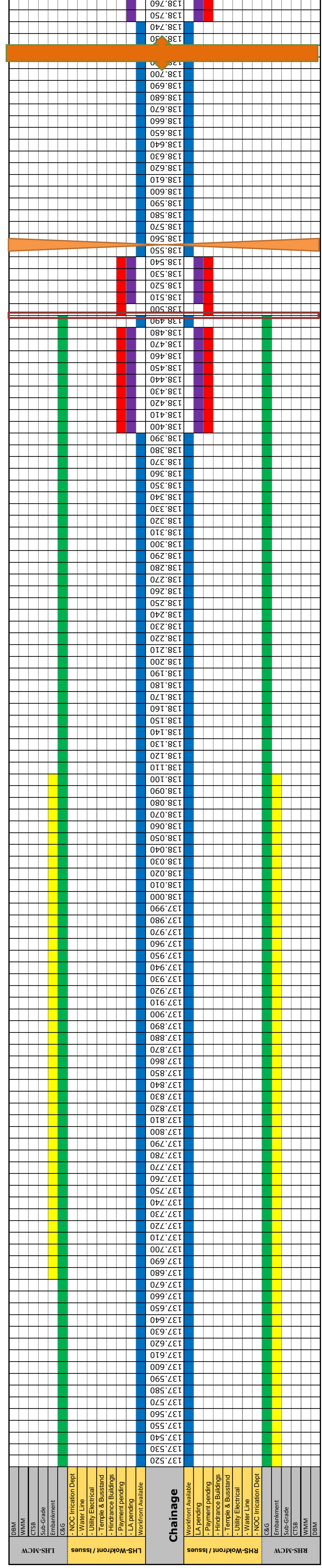
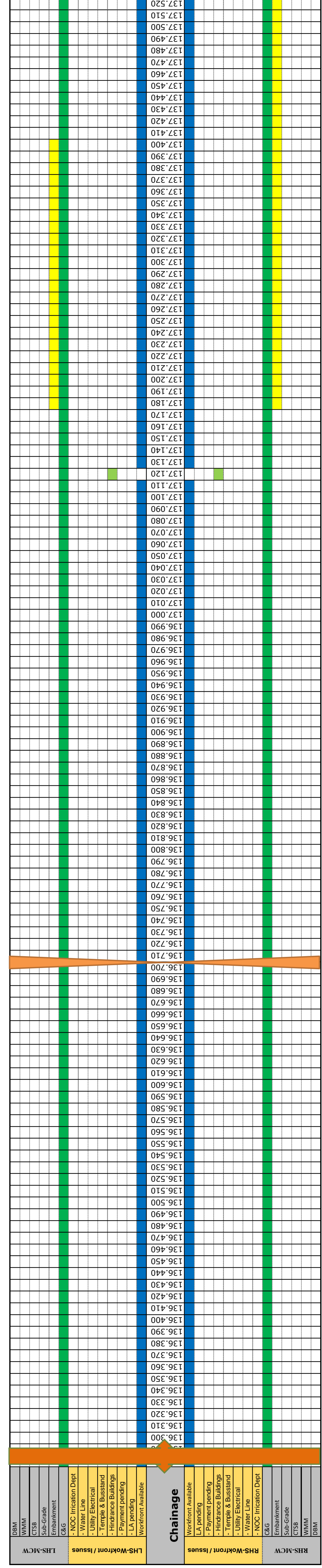
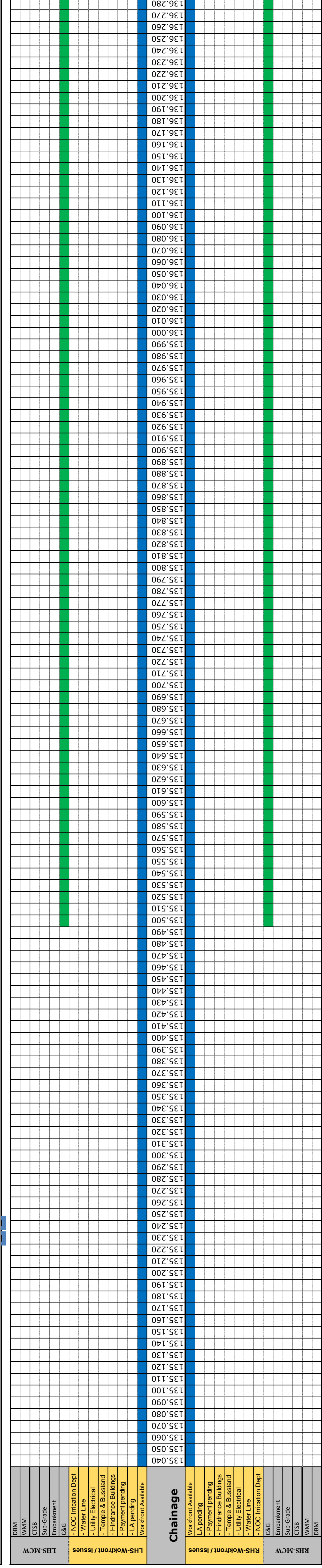
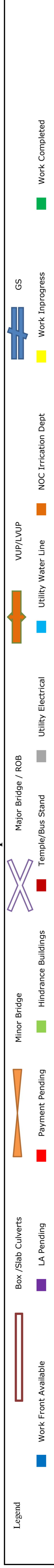
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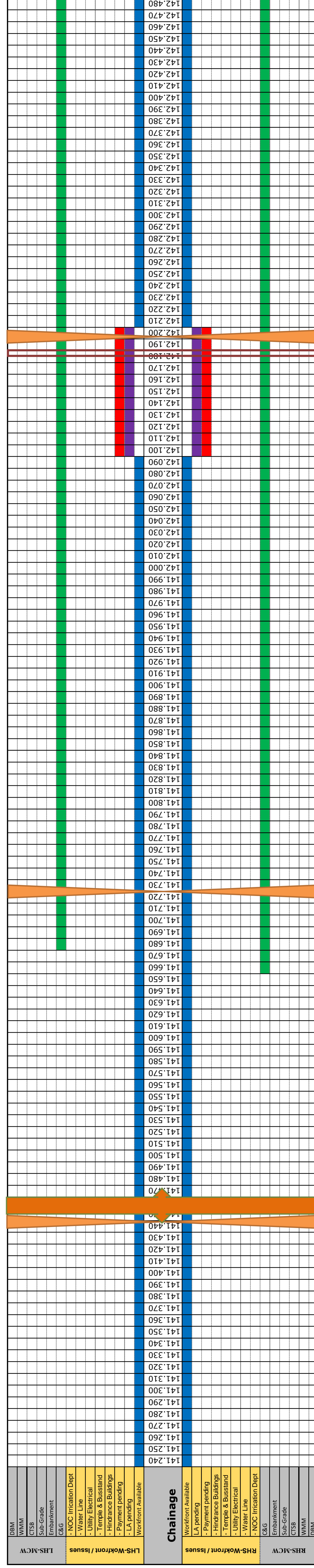
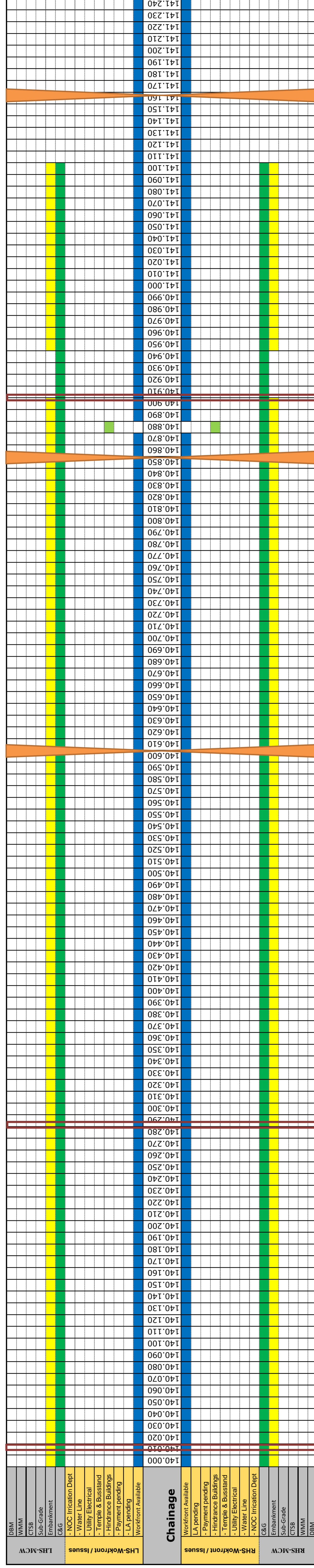
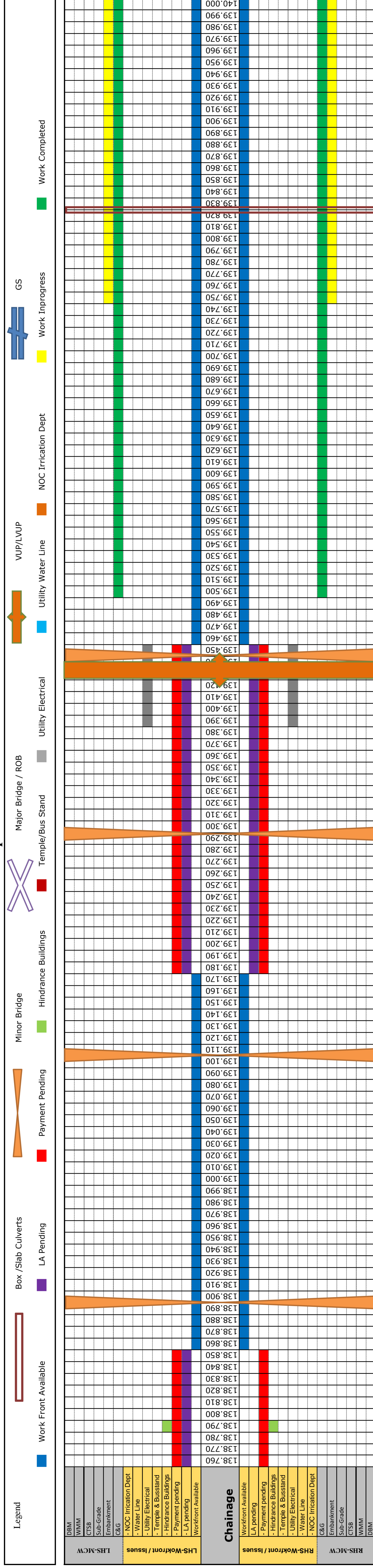
Cholopuram - Thanjavur Project

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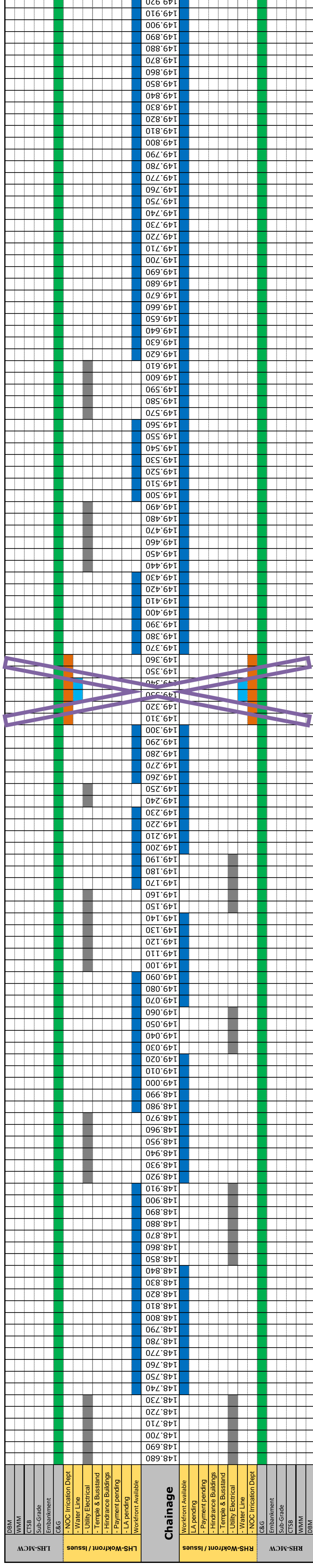
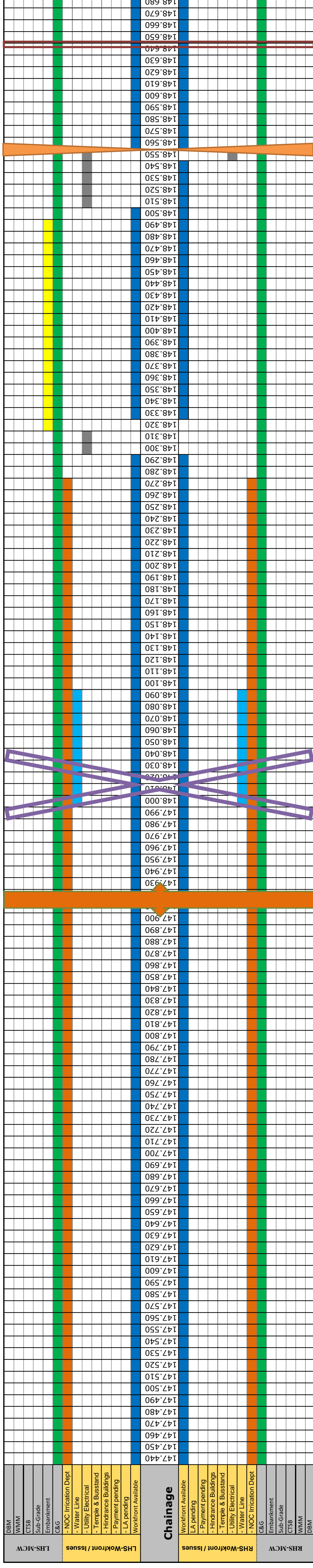
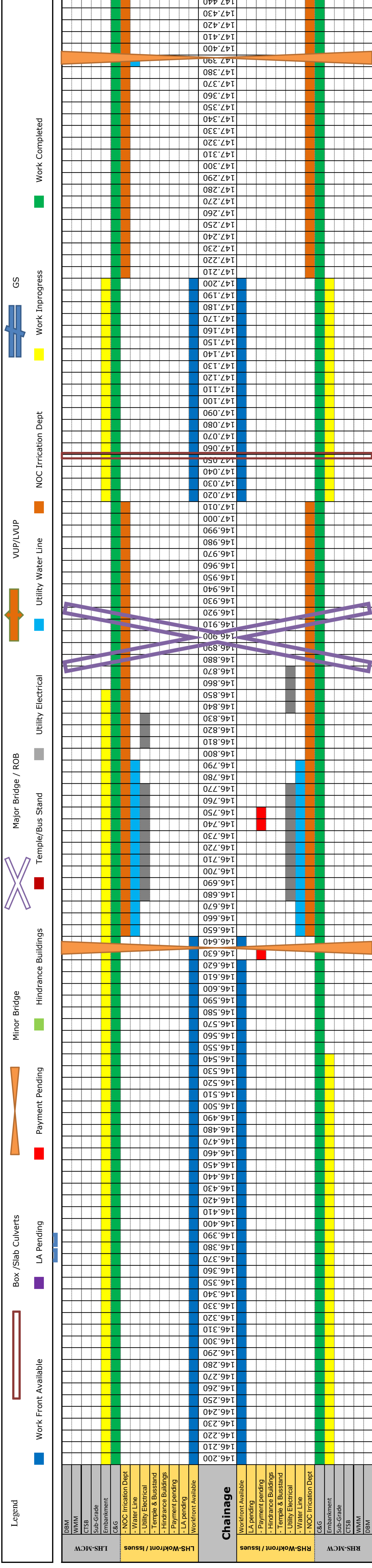
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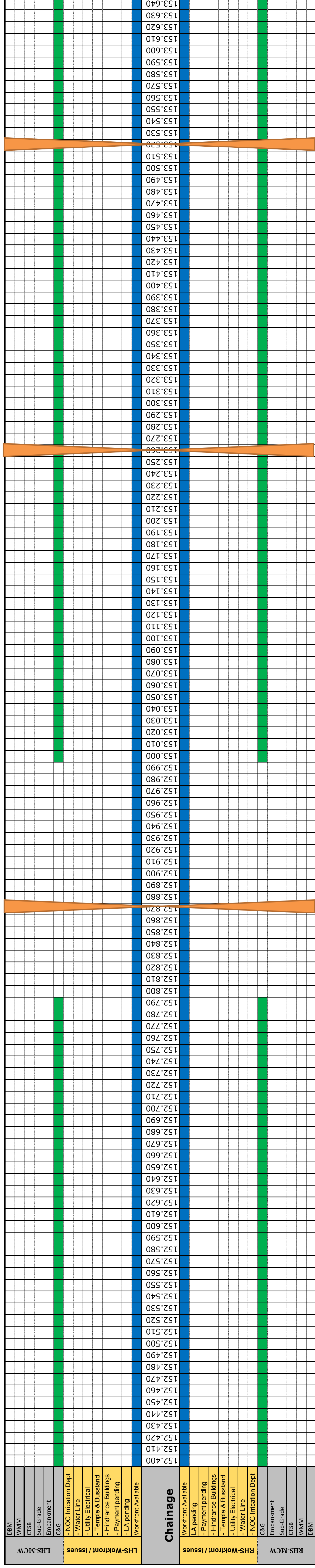
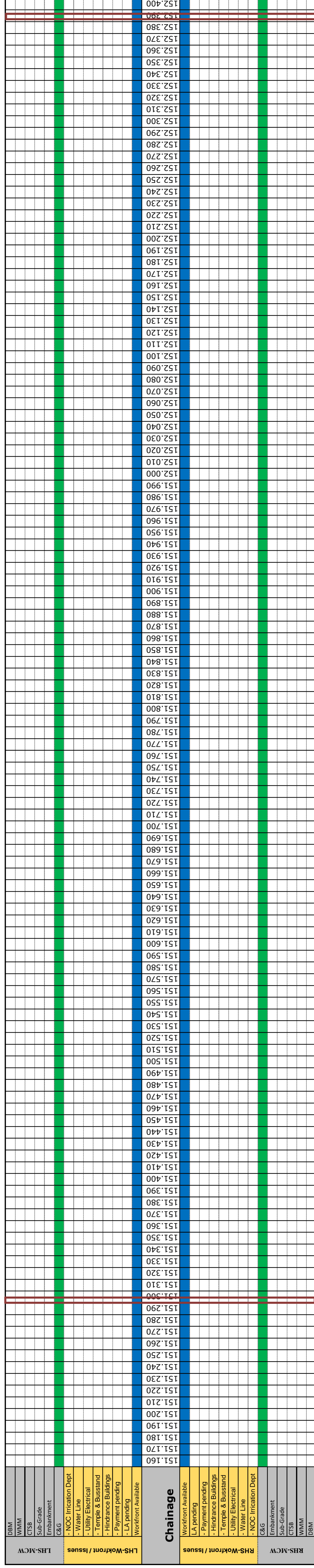
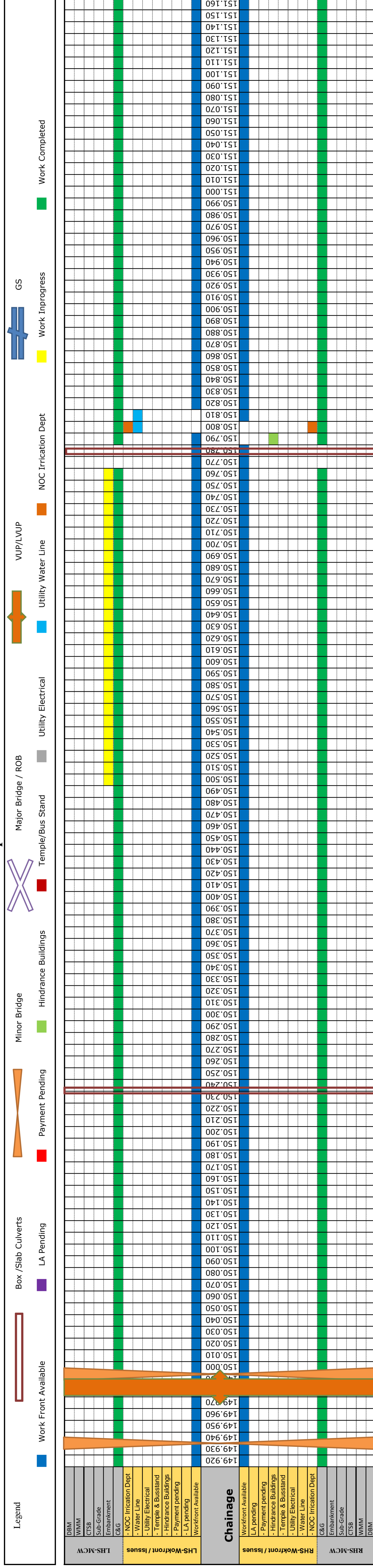
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Cholopuram - Thanjavur Project

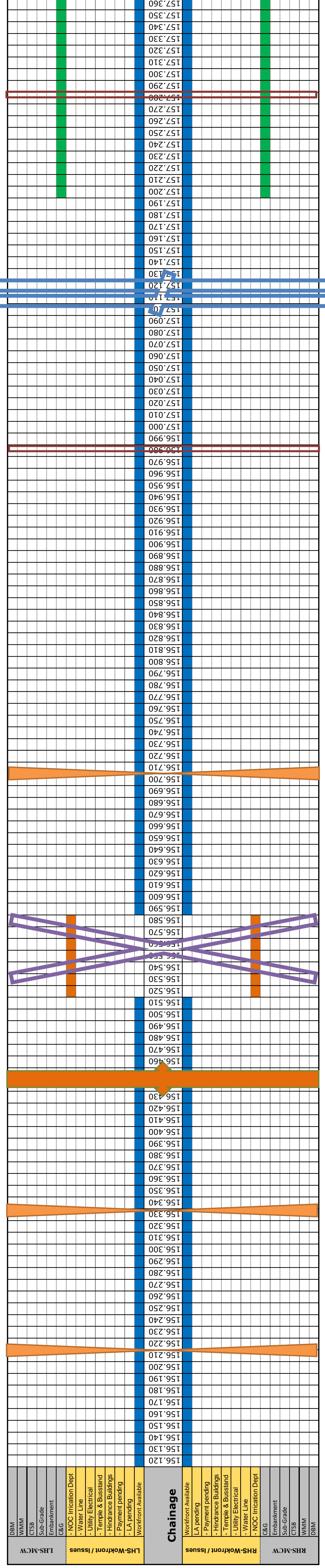
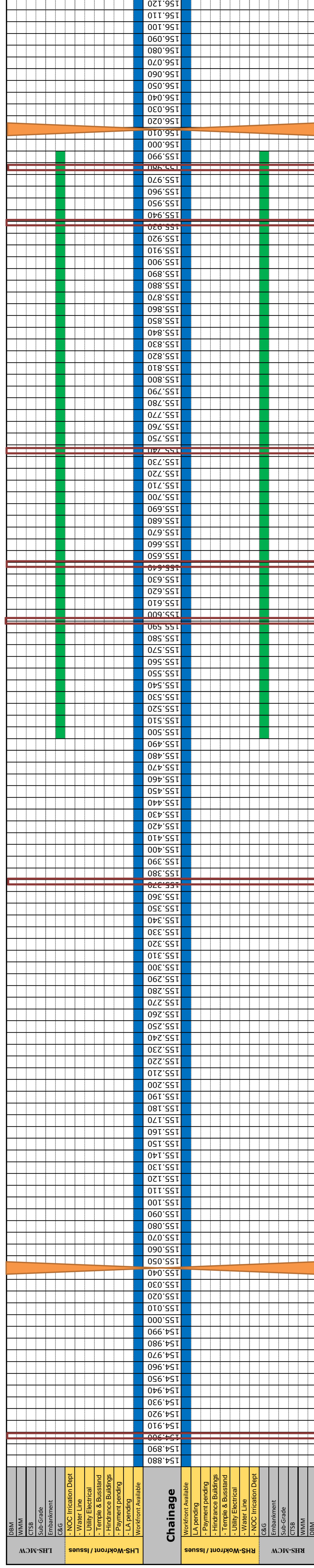
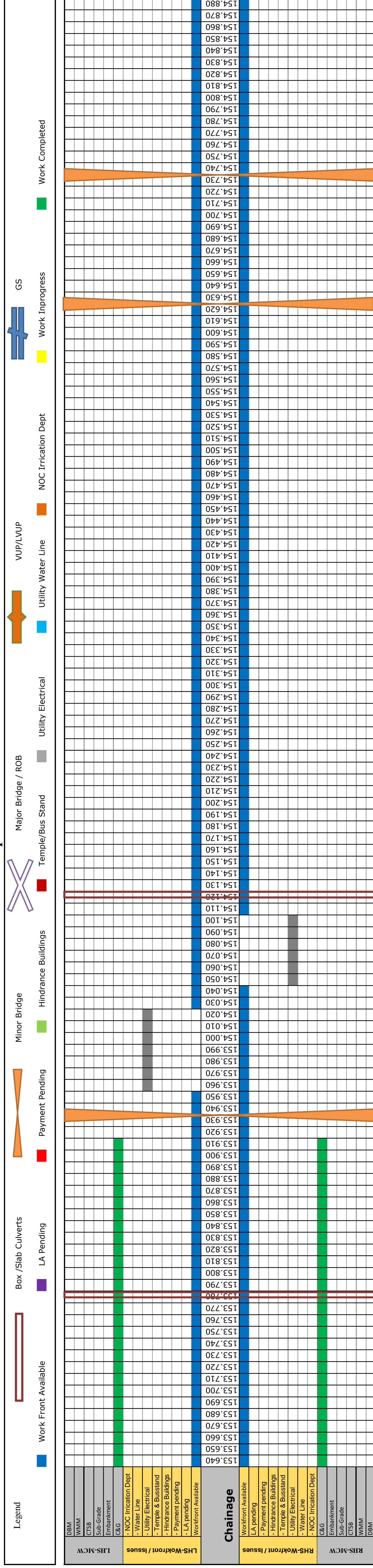
Strip Chart as on 30-04-2020



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

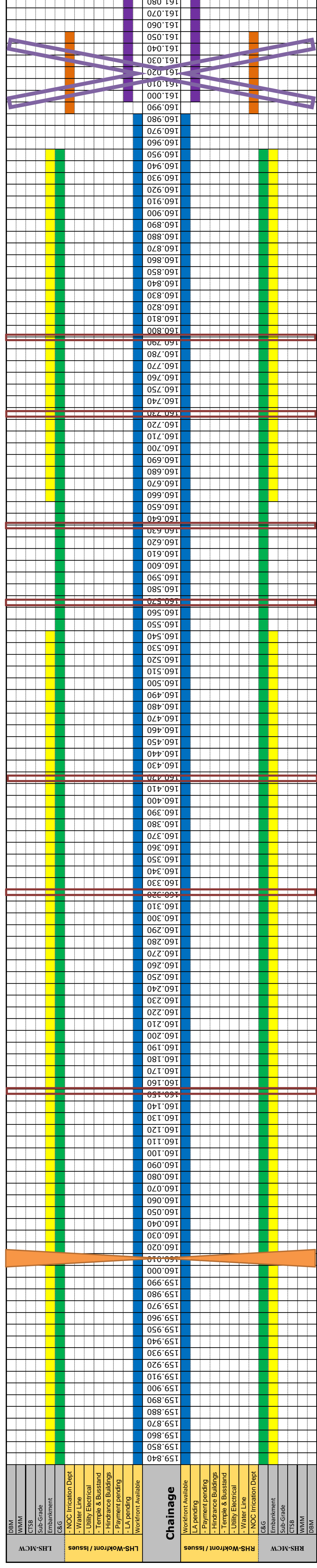
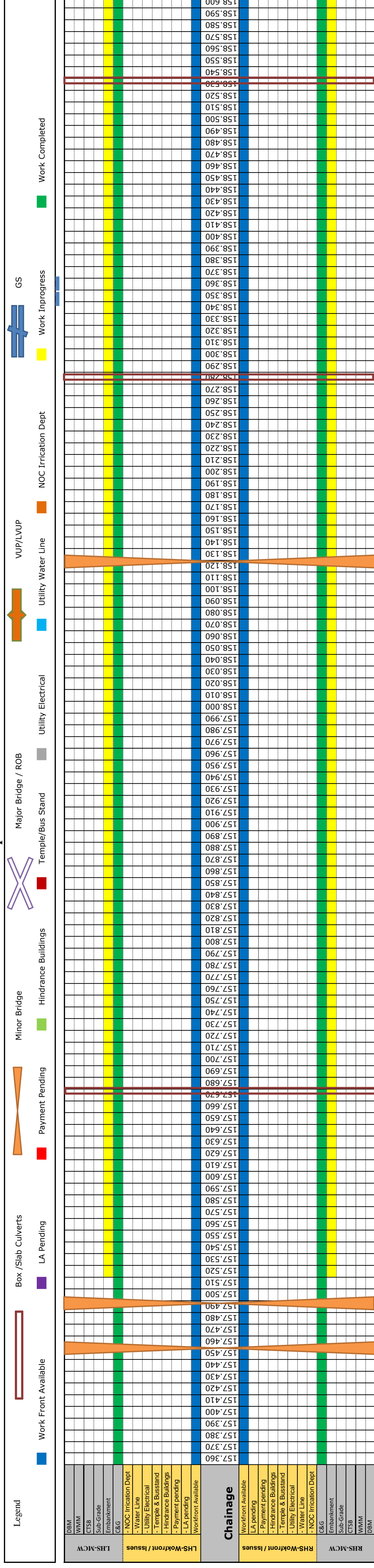
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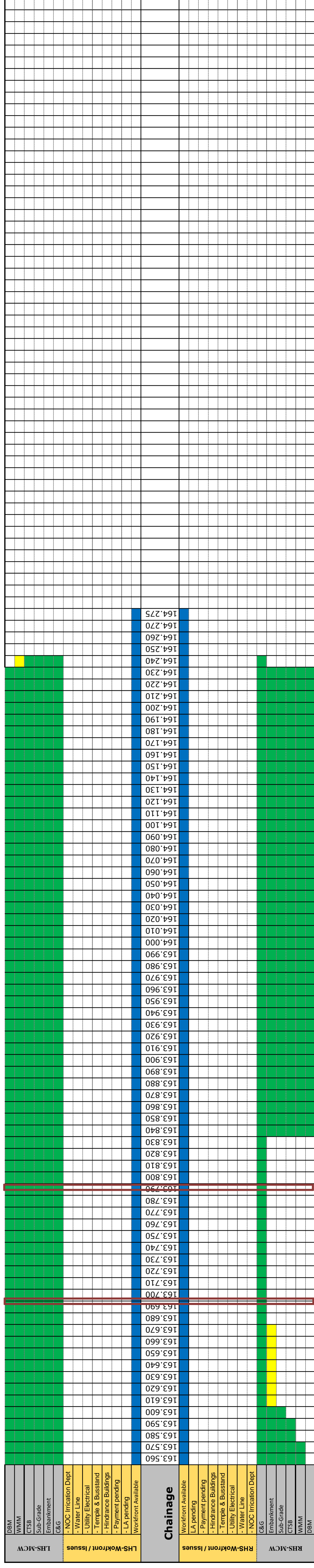
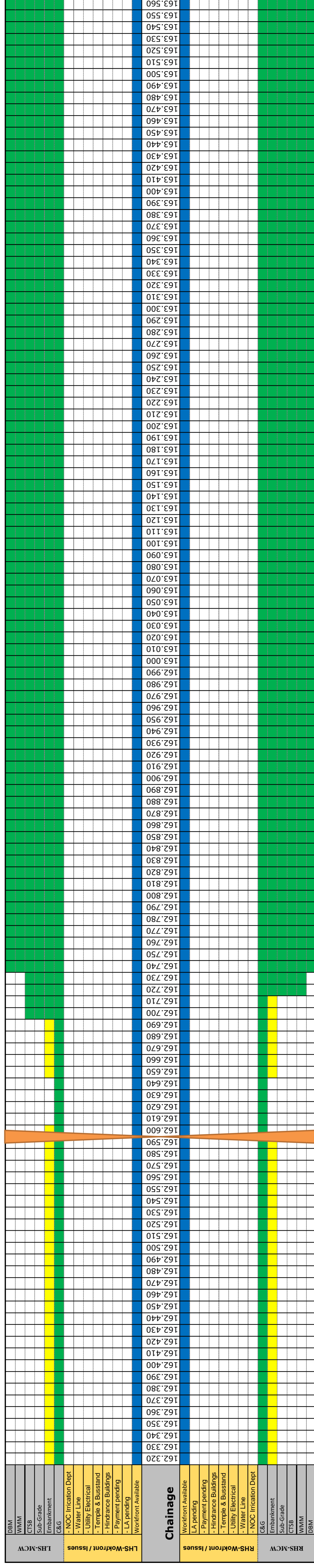
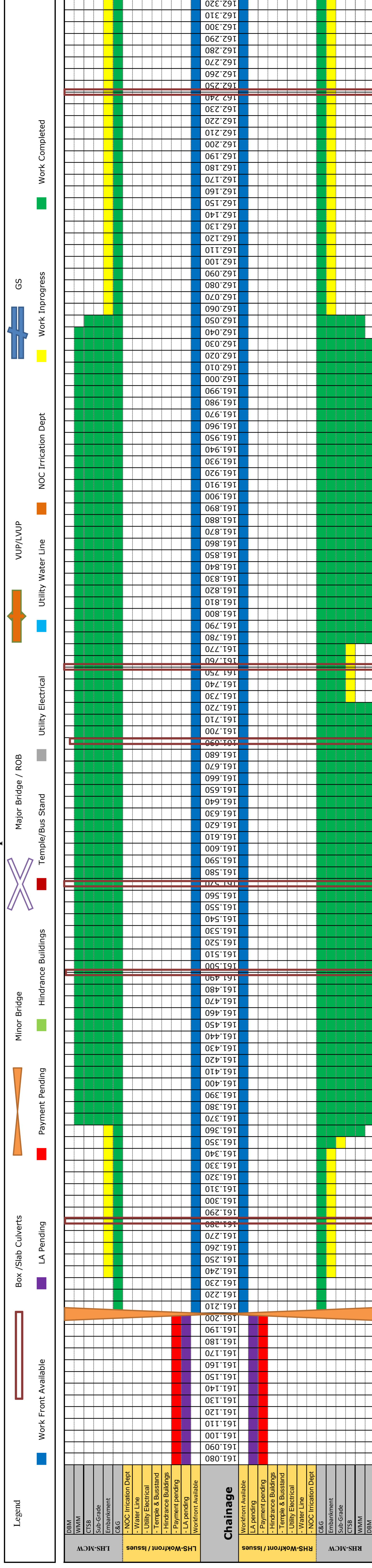
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Cholopuram - Thanjavur Project

Strip Chart as on 30-04-2020



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

Table 4.2 - 1 : Strip Chart for status of Box Culverts on Existing Road (Main Carriageway)																								
Sr. No.	MPR		APRIL		2020		Type of Existing Structure	IN PROGRESS							COMPLETED									
	Design Change As per CA	Revised Design Chainage	Length of Spans (m)	Number and Length of Spans (m)	Remarks (As per Schd B)	Protection Work		Return Wall & Parapet	Slab	Wall	Rath	PCC	Granular Filling	Excavation	Protection Work	Return Wall & Parapet	Slab	Wall	Rath	PCC	Granular Filling	Excavation		
1	116.602			1 x 2.0m	Widening	Slab Culvert																		
2	116.837			1 x 2.0m	Widening	Slab Culvert																		
3	116.954			1 x 1.8m	Widening	Slab Culvert																		
4	120.068			1 x 3.0	Reconstruction	Slab Culvert																		
5	120.280			1 x 1.5	Reconstruction	Slab Culvert																		
6	120.346			1 x 1.5	Reconstruction	Box Culvert																		
7	120.836			1 x 2.0m	Widening	Box Culvert																		
8	121.540			1 x 3.0m	Widening	Slab Culvert																		
9	121.693			1 x 1.5m	Widening	Slab Culvert																		
10	121.885			2 x 1.0m	Widening	Pipe Culvert																		
11	122.375			1 x 1.0m	Widening	Pipe Culvert																		
12	122.497			2 x 1.0m	Widening	Pipe Culvert																		
13	122.678			2 x 1.0m	Widening	Pipe Culvert																		
14	122.835			1 x 3.0m	Widening	Slab Culvert																		
15	122.943			2 x 1.0m	Widening	Pipe Culvert																		
16	124.118			1 x 1.5m	Widening	Slab Culvert																		
17	124.820			1 x 1.0m	Widening	Pipe Culvert																		
18	125.682			1 x 1.5m	Widening	Slab Culvert																		
19	126.836			1 x 3.0	Reconstruction	Slab Culvert																		
20	126.987			1 x 2.0	Reconstruction	Slab Culvert																		
21	127.488			1 x 1.2	Reconstruction	Pipe Culvert																		
22	127.600			3 x 1.2	Reconstruction	Pipe Culvert																		
23	127.788			1 x 0.9m	Widening	Pipe Culvert																		
24	128.267			1 x 0.9m	Widening	Pipe Culvert																		
25	128.494			1 x 1.2	Reconstruction	Pipe Culvert																		
26	128.675			1 x 2.0	Reconstruction	Box Culvert																		
27	128.682			1 x 2.0	Reconstruction	Slab Culvert																		
28	128.727			3 x 1.2	Reconstruction	Pipe Culvert																		
29	128.904			1 x 1.2	Reconstruction	Pipe Culvert																		
30	129.067			1 x 1.2	Reconstruction	Pipe Culvert																		
31	129.246			1 x 0.9m	Widening	Pipe Culvert																		
32	129.507			1 x 3.0m	Widening	Slab Culvert																		
33	129.707			1x2.5m	Widening	Slab Culvert																		
34	129.823			1 x 0.9m	Widening	Pipe Culvert																		
35	130.096			1 x 1.2	Reconstruction	Pipe Culvert																		
36	130.307			1 x 1.5	Reconstruction	Slab Culvert																		
37	130.357			1 x 1.5	Reconstruction	Slab Culvert																		
38	130.680			2 x 1.2	Reconstruction	Pipe Culvert																		
39	130.827			1 x 0.9m	Widening	Pipe Culvert																		
40	130.989			1 x 3.0m	Widening	Slab Culvert																		
41	131.146			1 x 0.9m	Widening	Pipe Culvert																		
42	131.505			1 x 3.0	Reconstruction	Slab Culvert																		
43	131.722			1 x 1.2	Reconstruction	Pipe Culvert																		
44	131.780			1 x 1.2	Reconstruction	Pipe Culvert																		
45	132.300			1 x 3.0m	Widening	Slab Culvert																		
46	132.557			1 x 3.0m	Widening	Slab Culvert																		
47	132.730			1 x 3.0m	Widening	Slab Culvert																		
48	132.789			1 x 2.0m	Widening	Slab Culvert																		
49	133.115			1 x 5.0m	Widening	Slab Culvert																		
50	133.210			1 x 2.22	Widening	Slab Culvert																		
51	133.240			1 x 0.9m	Widening	Pipe Culvert																		
52	133.635			1 x 2.0	Reconstruction	Slab Culvert																		
53	133.734			1 x 2.0	Reconstruction	Slab Culvert																		
54	133.935			1 x 1.2	Reconstruction	Pipe Culvert																		
55	133.987			1 x 1.5	Reconstruction	Slab Culvert																		
56	163.700			2 x 0.9m	Widening	Pipe Culvert																		
57	163.793			1 x 0.9m	Widening	Pipe Culvert																		

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

Annunity Mode

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

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	IN PROGRESS					COMPLETED								
						Protection Work	Return Wall & Parapet	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab
1	120.068	120.068	1 x 3.0	Reconstruction	Slab Culvert														
2	120.280	120.288	1 x 1.5	Reconstruction	Slab Culvert														
3	120.346	120.356	1 x 1.5	Reconstruction	Box Culvert														
4	126.836	126.829	1 x 3.0	Reconstruction	Slab Culvert														
5	126.987	127.007	1 x 2.0	Reconstruction	Slab Culvert														
6	127.488	127.433	1 x 1.2	Reconstruction	Pipe Culvert														
7	127.600	127.612	3 x 1.2	Reconstruction	Pipe Culvert														
8	128.494	128.504	1 x 1.2	Reconstruction	Pipe Culvert														
9	128.675	128.667	1 x 2.0	Reconstruction	Box Culvert														
10	128.682	128.674	1 x 2.0	Reconstruction	Slab Culvert														
11	128.727	128.738	3 x 1.2	Reconstruction	Pipe Culvert														
12	128.904	128.916	1 x 1.2	Reconstruction	Pipe Culvert														
13	129.067	129.079	1 x 1.2	Reconstruction	Pipe Culvert														
14	130.096	130.109	1 x 1.2	Reconstruction	Pipe Culvert														
15	130.307	130.318	1 x 1.5	Reconstruction	Slab Culvert														
16	130.357	130.369	1 x 1.5	Reconstruction	Slab Culvert														
17	130.680	130.692	2 x 1.2	Reconstruction	Pipe Culvert														
18	131.146	131.159	1 X 0.9	Widening	Pipe Culvert														
19	131.505	131.516	1 x 3.0	Reconstruction	Slab Culvert														
20	131.722	131.732	1 x 1.2	Reconstruction	Pipe Culvert														
21	131.780	131.791	1 x 1.2	Reconstruction	Pipe Culvert														
22	133.635	133.579	1 x 2.0	Reconstruction	Slab Culvert														
23	133.734	133.747	1 x 2.0	Reconstruction	Slab Culvert														
24	133.935	133.938	1 x 1.2	Reconstruction	Pipe Culvert														
25	133.987	133.979	1 x 1.2	Reconstruction	Pipe Culvert														

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

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

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

Four Lining 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 4.2 - 2 : Strip Chart for status of Box Culverts on Bypass (Service Road)				IN PROGRESS							COMPLETED															
Sr. No.	MPR APRIL 2020		Type of Structure	Remarks	LHS							RHS														
	Design Chainage As per CA	Revised Design Chainage			Number and Length of Spans (m)	Protection Work	Return Wall & Parapet	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Granular Filling	Return Wall & Parapet	Slab	Wall	Raft	PCC	Granular Filling	Excavation	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 Lining 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 4.2 - 3 : Strip Chart for status of MNB - Box (Main Cartageway)										COMPLETED									
APRIL 2020					IN PROGRESS					LHS					RHS				
Sr. No.	Design Chainage As per CA	Revised Chainage	Number and Length of Spans (m)	Type of Structure	Sketch	Protection Work	Retaining Wall + CB	Slab	Wall	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		2 x 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	138.585	138.585	1 x 6.0m	MNBB	Bypass														
12	138.901	138.935	6 x 7.5m	MNBB	Bypass														
13	139.105	139.138	2 x 15m	MNBB	Bypass														
14	139.299	139.335	4 x 7.5m	MNBB	Bypass														
15	139.453		1 x 7.0m	MNBB	Bypass														
16	140.605	140.637	1 x 6.0m	MNBB	Bypass														
17	140.860	140.892	1 x 8.0m	MNBB	Bypass														
18	141.164	141.145	1 x 10.0m	MNBB	Bypass														
19	141.445		1 x 8.0m	MNBB	Bypass														
20	141.727	141.760	1 x 8.0m	MNBB	Bypass														
21	142.204	142.235	1 x 8.0m	MNBB	Bypass														
22	142.657	142.687	1 x 6.0m	MNBB	Bypass														
23	142.897	142.932	2 x 8.0m	MNBB	Bypass														
24	143.115	143.136	6 x 7.5m	MNBB	Bypass														
25	143.823	143.852	2 x 8.0m	MNBB	Bypass														
26	144.000	143.995	2 x 10.0m	MNBB	Bypass														
27	146.639		1 x 10.0m	MNBB	Bypass														
28	147.396	147.426	1 x 8.0m	MNBB	Bypass														
29	148.560	148.592	1 x 8.0m	MNBB	Bypass														
30	144.880	144.916	4 x 7.5m	MNBB	Bypass														
31	149.940	149.962	1 x 10.0m	MNBB	Bypass														
32	149.997		1 x 6.0m	MNBB	Bypass														
33	152.876		2 x 10.0m	MNBB	Bypass														
34	153.263	153.287	1 x 10.0m	MNBB	Bypass														
35	153.528	153.557	1 x 6.0m	MNBB	Bypass														
36	153.939	153.968	1 x 10.0m	MNBB	Bypass														
37	154.626	154.659	1 x 6.0m	MNBB	Bypass														
38	154.739	154.764	1 x 10.0m	MNBB	Bypass														
39	155.049	155.082	2 x 7.5m	MNBB	Bypass														
40	156.014	156.040	1 x 8.0m	MNBB	Bypass														
41	156.216	156.244	1 x 6.0m	MNBB	Bypass														
42	156.336	156.366	1 x 6.0m	MNBB	Bypass														
43	156.707		1 x 10.0m	MNBB	Bypass														
44	157.458	157.485	1 x 7.0m	MNBB	Bypass														
45	157.494	157.517	1 x 8.0m	MNBB	Bypass														
46	158.128	158.155	1 x 7.0m	MNBB	Bypass														
47	158.972	158.994	1 x 6.0m	MNBB	Bypass														
48	159.076		1 x 8.0m	MNBB	Bypass														
49	159.723	159.742	1 x 6.0m	MNBB	Bypass														
50	159.801		1 x 6.0m	MNBB	Bypass														
51	161.208	161.227	1 x 8.0m	MNBB	Bypass														
52	162.595	162.595	2 x 15m	MNBB	Bypass														

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

Table 4.2 - 3 : Strip Chart for status of MNB - Deck Type (Main Carriageway)		COMPLETED														
SR.NO.	MNB at Chainage	MPR	APRIL	2020	Pier/ Abutment	Span	IN PROGRESS									
							Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abtcap	Pier/Abt	Pier Cap	Pier/Abt	Piercap/Abtcap	Girder Casting
1	133+345				A1	3x12.5m	EXISTING STRUCTURE									
2	159+522				A1	1x15.0m	EXISTING STRUCTURE									

Four Lining 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 4.2 - 3 : Strip Chart for status of MNB - Box (Service Road)										COMPLETED												
IN PROGRESS										RHS												
MNB SERVICE ROAD IN BYPASS										LHS												
Sr. No.	Design Chainage As per CA	APRIL 2020	Revised Chainage	Number and Length of Spans (m)	Type of Structure	Stretch	Protection Work	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Raft	PCC	Granular Filling	Excavation	Slab	Wall	Protection Work		
																					IN PROGRESS	
1	117.764	117.764	117.764	2 x 10.0m	MNBB	Bypass																
2	126.134	126.134	126.134	2 X 10.0m	MNBB	Realign																
3	134.320	134.320	134.320	2x10.0m	MNBB	Bypass																
4	134.770	134.774	134.774	1 x 10.0m	MNBB	Bypass																
5	138.555	138.585	138.585	1 x 6.0m	MNBB	Bypass																
6	138.901	138.935	138.935	6 x 7.5m	MNBB	Bypass																
7	139.453	139.485	139.485	1 x 7.0m	MNBB	Bypass																
8	139.105	139.138	139.138	2 x 15m	MNBB	Bypass																
9	139.299	139.335	139.335	4 x 7.5m	MNBB	Bypass																
10	139.453	139.485	139.485	1 x 7.0m	MNBB	Bypass																
11	141.164	141.145	141.145	1 x 10.0m	MNBB	Bypass																
12	141.445	141.466	141.466	1 x 8.0m	MNBB	Bypass																
13	141.727	141.760	141.760	1 x 8.0m	MNBB	Bypass																
14	144.880	144.916	144.916	4 x 7.5m	MNBB	Bypass																
15	149.940	149.962	149.962	1 x 10.0m	MNBB	Bypass																
16	149.997	150.028	150.028	1 x 6.0m	MNBB	Bypass																
17	156.014	156.040	156.040	1 x 8.0m	MNBB	Bypass																
18	156.216	156.244	156.244	1 x 6.0m	MNBB	Bypass																
19	156.336	156.366	156.366	1 x 6.0m	MNBB	Bypass																
20	156.707	156.734	156.734	1 x 10.0m	MNBB	Bypass																

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

Table 4.2 - 4 : Strip Chart for status of PUP

Sr. No.	MPR		Chainage as Per Site	Number and Length of Spans (m)	BYPASS	IN PROGRESS						COMPLETED													
	APRIL	2020				Protection Work	Slab	Wall	Raft	PCC	Excavation	Excavation	Raft	Wall	Slab	Protection Work									
						LHS						RHS													
1	147.917	147.951	1 X 7 m	BYPASS																					
2	149.988	150.023	1 X 7 m	BYPASS																					

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

Table 4.2 - 6 : Strip Chart for status of FLYOVER				IN PROGRESS										COMPLETED									
MPR APRIL 2020				LHS										RHS									
Sr.No.	FO at Chainage	Span		Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abtc op	Pier/Abt	Pile Cap	PCC	Pile	Pile	PCC	Pile Cap	Pier/Abt	Piercap/Abtc op	Girder Casting	Girder Launching	Slab	Crash Barrier		
1	117+600	1 x 30 m	BYPASS+ EXISTING	A1																			
				A2																			
2	120+000	1 x 30 m	BYPASS+ EXISTING	A1																			
				A2																			
3	127+300	1 x 30 m	EXISTING	A1																			
				A2																			
4	134+000	1 x 30 m	BYPASS+ EXISTING	A1																			
				A2																			
5	145+140	1 x 30 m	BYPASS	A1																			
				A2																			
6	157+100	1 x 30 m	BYPASS	A1																			
				A2																			

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

Table 4.2 - 7 : Strip Chart for status of VUP

SR.NO.	VUP at Chainage	Span	Status	MPR APRIL 2020																			
				Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap/Abtc	ap	Pier/Abt	Pile Cap	PCC	Pile	Completed									
				LHS					RHS														
1	126+100	1x25	EXISTING																				
2	126+600	1x25	EXISTING																				
3	128+700	1x25	EXISTING																				
4	130+335	1x25	EXISTING																				
5	131+500	1x25	EXISTING																				
6	136+282	1x25	BYPASS																				
7	138+720	1x25	BYPASS																				
8	139+440	1x25	BYPASS																				
9	141+450	1x25	BYPASS																				
10	156+446	1x25	BYPASS																				

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

Table 4.2 - 8 : Strip Chart for status of ROB

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

	IN PROGRESS										COMPLETED								
	Crash Barrier	Slab	Steel Girder Launching	Steel Girder Erection	Girder Launching	Girder Casting	Pier Cap/Abt	Pier Cap	Pier/Abt	Pier Cap/Abt	Girder Casting	Girder Launching	Steel Girder Erection	Steel Girder Launching	Steel Girder Erection	Girder Launching	Steel Girder Erection	Crash Barrier	
MPR APRIL 2020																			
A1																			
P1																			
P2																			
A2																			

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

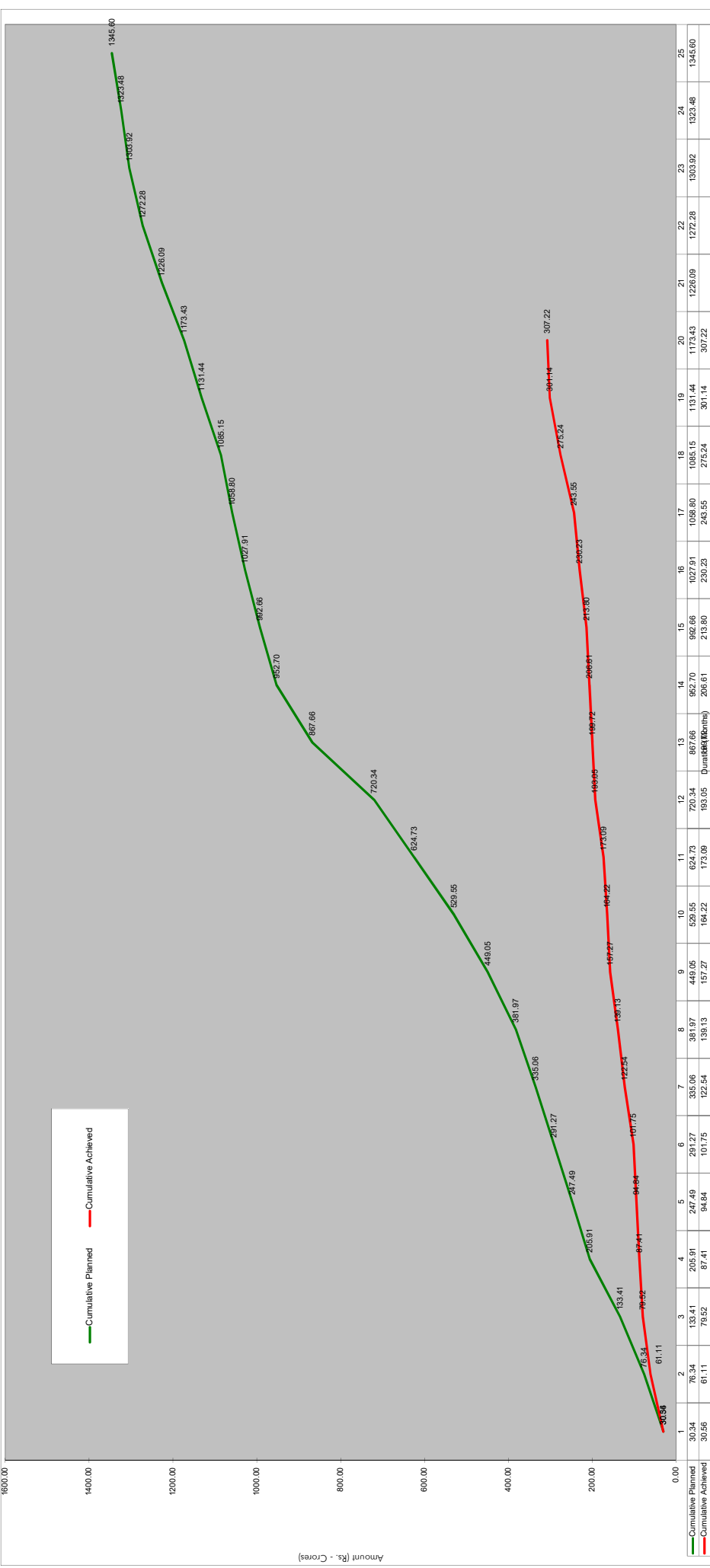
Table 4.2 - 5 : Strip Chart for status of MJB (Main Carriageway)													
MPR APRIL 2020												COMPLETED	
MIB at Chainage 146+902 (4x20) -BYPASS													
LHS/LSR												RHS/LSR	
Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier/Abt	Pier Cap/Abt Cap	Crash Barrier
A1													
P1													
P2													
P3													
A2													
MIB 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/Abt	Pier Cap/Abt Cap	Crash Barrier
A1													
P1													
P2													
A2													
MIB 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/Abt	Pier Cap/Abt Cap	Crash Barrier
A1													
P1													
P2													
A2													
MIB 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/Abt	Pier Cap/Abt Cap	Crash Barrier
P2													
P3													
P4													
P5													
P6													
A2													
MIB 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/Abt	Pier Cap/Abt Cap	Crash Barrier
A1													
P1													
P2													
P3													
P4													
P5													
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 NHDPIV on Hybrid Annuity Mode

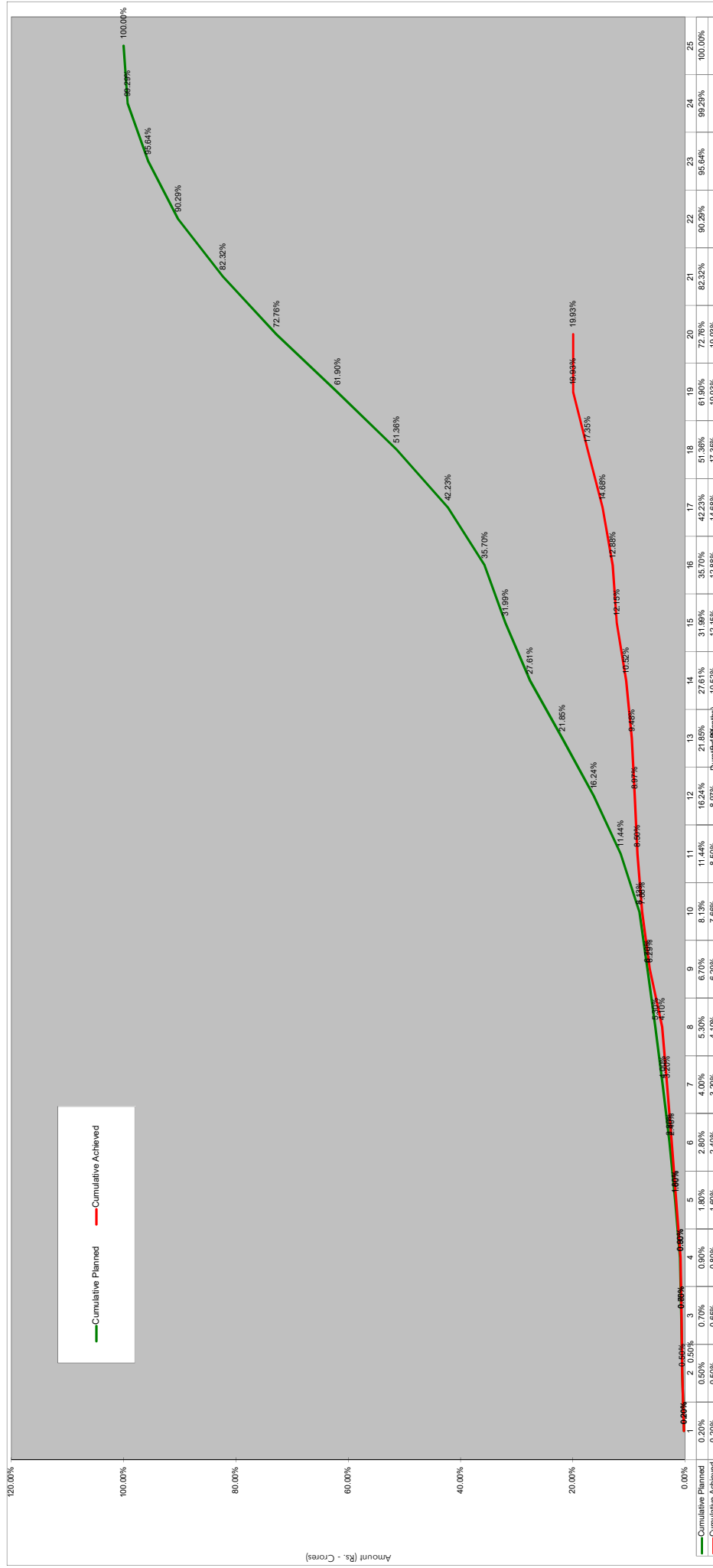
Fig. 03a- Financial Progress (S-Curve)



Schedule	2019												2020											
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Monthly Planned	30.34	46.00	57.07	72.50	41.58	43.78	46.91	67.08	80.50	95.17	95.61	147.32	85.04	39.97	35.24	30.90	26.34	46.29	41.99	52.67	46.19	31.64	19.56	22.12
Monthly Achieved	30.56	30.56	18.41	7.89	7.43	6.90	20.79	16.59	18.14	6.95	8.87	6.67	6.89	7.18	16.43	13.33	31.69	25.90	6.08					
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	824.73	927.70	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	122.84	139.13	157.27	184.22	173.09	193.05	206.61	213.80	230.23	243.55	275.24	301.14	307.22					
Monthly Planned (%)	2.3%	3.4%	4.2%	5.4%	3.1%	3.3%	3.3%	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%	1.5%	1.2%	1.3%	0.5%	0.7%	0.7%	0.5%	0.5%	0.5%	1.2%	1.0%	2.4%	1.9%	0.5%					
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%	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%	17.1%	18.1%	20.5%	22.4%	22.8%					

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

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



Schedule	2019												2020												
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Monthly Planned	0.20%	0.30%	0.20%	0.20%	0.90%	1.00%	1.20%	1.30%	1.40%	1.43%	3.31%	4.80%	5.61%	5.76%	4.38%	3.71%	6.53%	9.13%	10.54%	10.86%	9.56%	7.97%	5.35%	3.65%	0.71%
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%					
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%					

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 absorotion test apparatus with Electronic balance	1
69	DLC Compaction vibrating hammer	1
70	Cement mortar cube mould 5.0 cm	12
71	Sandard Sand Grade-1 bag of 25 kg	2
72	Sandard Sand Grade-2 bag of 25 kg	2
73	Sandard Sand Grade-3 bag of 25 kg	2
C) BITUMINOUS WORKS		
74	Specific Gravity Bottels (50 ml)	2

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

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

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

6.2 Quality Control Test Summary

GSB material, soil samples from borrow areas, aggregates, cement and bitumen are being tested regularly. Trial mix design for concrete with different admixtures is also in progress. The detailed list of quality control test conducted up to the month of April - 2020 are tabulated below -

Four Lining 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 : April-2020

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month			Tests conducted during reporting month upto April-2020			Test conducted upto this month				
				No. of test Conducted (1, Test =3Sph)	Passed	Failed	Nos. of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos. of test witnessed by IE	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	421	421	0	224
1.2	Atterberg Limits	IS:2720 (Part5)	1 test/ 250 meters	421	421	0	224	0	0	0	421	421	0	224
1.3	Proctor	IS:2720 (Part8)	1 test/ 250 meters	233	233	0	68	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	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
2.0 Cutting portion & Existing for EMB/SG (MoRT&H 305)														
2.1	Grain size analysis	IS:2720 (Part4)	1 test/1500 m ³	83	83	0	40	1	1	0	84	84	0	41
2.2	Atterberg Limits	IS:2720 (Part5)	1 test/1500 m ³	83	83	0	40	1	1	0	84	84	0	41
2.3	Proctor	IS:2720 (Part8)	1 test/1500 m ³	83	83	0	40	1	1	0	84	84	0	41
2.4	Free Swell index	IS:2720 (Part40)	1 test/1500 m ³	83	83	0	40	1	1	0	84	84	0	41
2.5	California bearing ratio	IS:2720 (Part16)	1 test/ 3000 m ³	69	69	0	35	8	8	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	749	749	0	223	75	75	0	824	824	0	273
3.2	Atterberg Limits	IS:2720 (Part5)	1 test/1500 m ³	749	749	0	223	75	75	0	824	824	0	273
3.3	Proctor	IS:2720 (Part8)	1 test/1500 m ³	749	749	0	223	75	75	0	824	824	0	273
3.4	Free Swell index	IS:2720 (Part40)	1 test/1500 m ³	749	749	0	223	75	75	0	824	824	0	273
3.5	California bearing ratio	IS:2720 (Part16)	1 test/ 3000 m ³	142	142	0	59	48	48	0	142	142	0	84
3.6	Water Soluble Sulphate	IS:2720 (Part27)	As required	2	2	0	0	0	0	0	0	0	0	0
3.7	Angle of Internal Friction(φ)	IS:2720 (Part13)	As required	5	5	0	10	0	0	0	0	0	0	10
4.0 Field Density Test MoRT&H 305														
4.1	Field density (OGL)	IS:2720 (Part28)	10 test /3000 sqm	4649	4649	15	1855	362	362	0	5011	5011	15	2055
4.2	Field density (EMB)	IS:2720 (Part28)	10 test /3000 sqm	12388	12388	36	3526	2738	2738	0	15126	15126	36	4026
4.3	Field density (SG)	IS:2720 (Part28)	10 test / 2000 sqm	1259	946	3	220	430	430	0	1689	946	3	320
4.4	Field density (Shoulder)	IS:2720 (Part28)	10 test / 2000 sqm	0	0	0	0	0	0	0	0	0	0	0
5.0 Safe Bearing capacity of soil														
5.1	Grain size analysis	IS:2720 (Part40)	As required	151	151	0	39	1	1	0	152	152	0	40
5.2	Atterberg Limits	IS:2720 (Part4)	As required	151	151	0	39	1	1	0	152	152	0	40
5.3	Proctor	IS:2720 (Part5)	As required	151	151	0	38	1	1	0	152	152	0	39
5.4	Free Swell index	IS:2720 (Part8)	As required	151	151	1	39	1	1	0	152	152	1	40
5.5	Bearing Capacity	IS:6403 / IS 1888	As required	151	151	150	40	1	0	1	152	151	151	41
5.6	Plate Load Test	IS:6403 / IS 1888	As required	27	27	0	22	2	2	0	29	29	0	24
6.0 Filter Media & Back filling MoRT&H 2500(Design)														
6.1	Gradation		As required	69	69	0	44	15	15	0	84	84	0	54
6.2	Backfilling field density		1 test/1000 m ³	20	20	0	20	15	15	0	35	35	0	30
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	15	15	0	15
7.2	Atterberg Limits	IS:2720 (Part5)	As required	13	13	0	7	0	0	0	13	13	0	7
7.3	Proctor	IS:2720 (Part8)	As required	9	9	0	9	0	0	0	9	9	0	9
7.4	CBR Test	IS:2720 (Part16)	As required	3	3	0	3	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	9	9	0	9

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month			Tests conducted during reporting month upto April-2020			Test conducted upto this month					
				No. of test Conducted (1 Test =3sets)	Passed	Failed	No. of test witnessed by IE	Passed	Failed	No. of test witnessed by IE	Passed	Failed	Nos. of test witnessed by IE		
8.0 Granular Bedding Material (For Structures-Ground Improvement)- Stock & Site Testing															
8.1	Gradation	Table 400-1	As required	102	102	39	45	15	15	0	5	117	117	39	50
8.2	Atterberg Limits	IS:2720 (Part5)	As required	102	102	39	45	15	15	0	5	117	117	39	50
8.3	Proctor	IS:2720 (Part8)	As required	12	12	10	10	1	1	0	1	13	13	10	11
8.4	CBR Test	IS:2720 (Part16)	As required	12	12	10	10	1	1	0	1	13	13	10	11
8.5	Aggregate Impact value	IS:2386 Part-4	As required	11	11	8	7	3	3	0	3	14	14	8	10
8.6	Field Density	IS:2720 (Part28)	As required	1234	1234	295	268	45	45	0	15	1279	1279	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 SO4 Content	IRC SP 89 (2010)	As required	2	2	0	0	0	0	0	0	2	2	0	0
9.11	Chloride Content	IRC SP 89 (2010)	As required	1	1	0	0	0	0	0	0	1	1	0	0
9.12	10% Fines Value	BS:812 (111)	As required	2	2	0	0	0	0	0	0	2	2	0	0
9.13	Durability Test	IRC SP 89 (2010)	As required	6	6	0	6	0	0	0	0	6	6	0	6
9.14	Permeability Test	IS 2720 (Part 36)	As required	1	1	0	0	0	0	0	0	1	1	0	0
10.0 CTSB Site Frequency															
10.1	Gradation	Table 400-4	1 test/400m ³	56	56	0	34	21	21	0	10	77	77	0	44
10.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m ³	54	54	0	32	21	21	0	10	75	75	0	42
10.3	Proctor	IS:2720 (Part8)	As required	3	3	0	3	2	2	0	1	5	5	0	4
10.4	Aggregate Impact value	IS:2386 Part-4	As required	53	53	0	31	27	27	0	22	80	80	0	53
10.5	Field Density	IS:2720 (Part28)	1 set of 2 Test per 500Sq.m	487	487	12	239	256	256	0	100	743	743	12	339
10.6	Specific gravity & Water absorption	IS:2386 (Part2)	As required	2	2	0	2	2	2	0	2	4	4	0	4
10.7	Cubes casting & Testing (Sets)	IRC SP 89 (2010)	Minimum 5 Cubes	96	96	0	51	27	27	0	20	123	123	0	71
10.8	CBR Test	IS:2720 (Part16)	As required	3	3	0	3	1	1	0	1	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 & Elongation 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 sets	0	0	0	0	0	0	0	0	0	0	0	0
12.0 WMM Site Frequency MoRT&H 406															
12.1	Individual / Combined Gradation	Table 400-3	1 test/200m ³	22	22	0	12	11	11	0	6	33	33	0	18

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month			Tests conducted during reporting month upto April-2020			Test conducted upto this month				
				No. of test Conduct ed (1 Test =3sets)	Passed	Failed	Nos. of test witness ed by IE	No. of test Conduct ed	Passed	Failed	Nos. of test witness ed by IE	No. of test Conduct ed	Passed	Failed
12.2	Aggregate Impact Value	IS:2386 Part-4	1 test/ 1000 m ³	20	20	0	10	11	11	0	6	31	0	16
12.3	Flakiness & Elongation index	IS:2386 Part1	1 test/ 500 m ³	20	20	0	20	2	2	0	1	22	0	21
12.4	Atterberg Limits	IS:2720 (Part5)	1 test/200m ³	22	22	0	12	11	11	0	6	33	0	18
12.5	Proctor	IS:2720 (Part8)	As required	2	2	0	2	1	1	0	1	3	0	3
12.6	CBR	IS:2720 (Part16)	As required	2	2	0	2	0	0	0	0	2	0	2
12.7	Field Density	IS:2720 (Part28)	1 set Test per 1000Sq.m / 3 pits	120	120	0	91	78	78	0	40	198	0	131
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	57	57	0	53	15	15	0	10	72	0	63
13.2	Flakiness & Elongation Index	IS: 2386 (Part 1)/1963	1 Test for 350 m ³	16	16	0	12	5	5	0	5	21	0	17
13.3	Aggregate Impact Value Test	IS: 2386 (Part 4)/1963	1 Test for 350 m ³	16	16	0	12	5	5	0	5	21	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 subjects for stability & void value density and void contents for each 400 tonnes of mix subject to minimum of 1 set Test per 700 Sq.m / 1 pits	23	23	0	16	10	10	0	5	33	0	21
13.5	Marshall Stability of mix	ASTM D 2726/1188	One Test for each source	24	24	0	17	10	10	0	10	34	0	27
13.6	Coru Cutting and Density Of Compacted Layer	Table 900-4 of Morth	One Test for each source	42	42	0	40	36	36	0	36	78	0	76
13.7	Sand Equivalent Test	IS: 2720 Part 37/1963	One Test for each source	12	12	0	12	0	0	0	0	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	0	9
13.9	Stripping	IS : 6241	One Test for each source	3	3	0	3	0	0	0	0	3	0	3
14	Retained Satllality	AASHTO 283	One Test for each source	8	8	0	8	0	0	0	0	8	0	8
14.1	Retained Tensile Strength	AASHTO 284	One Test for each source	8	8	0	8	0	0	0	0	8	0	8
14.2	Refusal	AASHTO 285	One Test for each source	10	5	0	5	0	0	0	0	10	0	5
14.3	Plasticity Index	IS: 2720(Part 5)	One Test for each source	3	3	0	3	0	0	0	0	3	0	3
14.4	Cleanliness (Dust)	IS: 2386 (Part 1)	One Test for each source	3	3	0	3	0	0	0	0	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	9	9	0	7	4	4	0	4	13	0	11
15.2	Penetration Test at 25°C, 100gr.0.1mm,5sec	IS: 1203-1978	As per table 2 of IS 73-2013	9	9	0	7	4	4	0	4	13	0	11
15.3	Softening point(R&B) Min	IS: 1205-1978	As per table 2 of IS 73-2013	9	9	0	7	4	4	0	4	13	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	0	3
15.5	Test on Residue from TFOT													

S. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month			Tests conducted during reporting month upto April-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	No. of test Conducted	Passed	Failed
15.6	Viscosity ratio at 60°C max	IS: 1206-1978 part-2	1 Test per Lot	4	4	0	4	1	0	1	5	0	5
15.7	Ductility at 25°C ,cm.Min	IS: 1208-1978	1 Test per Lot	4	4	0	4	1	0	1	5	0	5
16.0 EMULSION SS1&RS1													
16.1	Saybolt furol Viscosity	IS: 13117	1 Test per Lot	5	5	0	4	1	1	0	6	0	4
16.2	Residue on 600 micron is sieve	IS: 8887	1 Test per Lot	5	5	0	4	1	1	0	6	0	4
16.3	Water Content, Percent by mass	IS: 8887	1 Test per Lot	5	5	0	4	1	1	0	6	0	4
17.0 EMULSION Prime coat & Tack Coat													
17.1	Rate of Spread of Binder	IRC: SP 16	Three test per Day	30	30	0	23	15	0	15	45	0	38
18.0 Coarse Aggregate MoRT&H 1007													
18.1	Gradation	IS:2386 (Part2)	As required	716	716	0	258	20	0	10	736	0	268
18.2	Specific gravity& Water absorption	IS:2386 (Part3)	As required	28	28	0	14	1	0	1	29	0	15
18.3	Aggregate Impact Value	IS:2386 (Part4)	As required	90	90	0	32	5	0	2	95	0	34
18.4	Flakiness index	IS:2386 (Part1)	As required	90	90	0	30	5	0	2	95	0	32
18.5	Soundness	IS:2386 (Part5)	As required	1	1	0	1	0	0	0	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	1	0	1
18.7	Deleterious constituents	IS:2386 (Part2)	1 test per source	1	1	0	1	0	0	0	1	0	1
18.8	Petrographic Examination	IS:2386 (Part8)	1 test per source	1	1	0	1	0	0	0	1	0	1
19.0 Cement MoRT&H 1006													
19.1	Chemical test	IS:4031,4032	1 test per source	12	12	0	7	4	0	4	16	4	11
19.2	Fineness	IS:4031 (Part1)	500mt (or) Every week	112	112	0	53	4	0	4	116	0	57
19.3	Normal Consistency	IS:4031 (Part4)	500mt (or) Every week	112	112	0	53	4	0	4	116	0	57
19.4	Initial,Final setting time	IS:4031 (Part5)	500mt (or) Every week	112	112	0	53	4	0	4	116	0	57
19.5	Soundness of Cement	IS:4031 (Part3)	500mt (or) Every week	112	112	0	53	4	0	4	116	0	57
19.6	Compressive Strength-set	IS:4031 (Part6)											
	3 days		500mt (or) Every week	131	131	0	65	3	0	3	134	0	68
	7 days		500mt (or) Every week	128	128	0	65	2	0	2	130	0	67
	28 days		500mt (or) Every week	128	128	0	41	1	0	1	129	0	42
20	Chemical test	IS 2386	1 test per source	7	7	0	3	0	0	0	7	0	3
21.0 Admixture													
21.1	Chemical Test	IS 9103	1 test per source	4	4	0	2	0	0	0	4	0	2
22.0 Steel													
22.1	8 mm Dia	IS 1786	Physical &Chemical Properties (1) Test on first lot.(2) Further supply will be provided with mtc. (3) As required by engineer.	15	15	0	7	0	0	0	15	0	7
22.2	10 mm Dia	IS 1786		15	15	0	8	0	0	0	15	0	8
22.3	12 mm Dia	IS 1786		20	20	0	10	0	0	0	20	0	10
22.4	16 mm Dia	IS 1786		21	21	0	10	0	0	0	21	0	10
22.5	20 mm Dia	IS 1786		21	21	0	9	0	0	0	21	0	9
22.6	25 mm Dia	IS 1786		23	23	0	13	0	0	0	23	0	13
22.7	32 mm Dia	IS 1786		8	8	0	5	0	0	0	8	0	5
23.(A) Concrete Cube Strength of Design Mix													

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				No. of test Conducted (1. Test =3sets)	Passed	Failed	Nos. of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos. of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos. of test witnessed by IE
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	0	62	63	0
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	0	59	59	0
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	0	8	8	0
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	0	59	56	0
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	0	63	59	0
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	0	37	35	0
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	0	58	56	0
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	0	58	58	0
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	0	37	35	0
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	0	55	55	0
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	0	22	18	0
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	0	43	43	0
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	0	26	22	0
23.(B) Concrete Cube Strength of Site Cubes															
M15 PCC				249	249	0	126	16	16	0	10	265	265	0	136
7Days Compressive Strength															

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				No. of test Conducted (1 Test =3sets)	Passed	Failed	Nos. of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos. of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos. of test witnessed by IE
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	466	466	0	242	14	14	0	8	480	0	250	
	M20 PCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	3	3	0	2	2	2	0	2	5	0	4	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	8	8	0	4	2	2	0	2	10	0	6	
	M20 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	0	0	0	0	5	5	0	5	5	0	5	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	0	0	0	0	3	3	0	2	3	0	2	
	M20 KERB														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	21	21	0	11	8	8	0	4	29	0	15	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	15	15	0	8	14	14	0	10	29	0	18	
	M25 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	12	12	0	7	11	11	0	6	23	0	13	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	18	18	0	12	0	0	0	0	18	0	12	
	M30 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	468	468	0	195	19	19	0	10	487	0	205	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	874	874	0	345	45	45	0	35	919	0	380	
	M30 RCC PUMPABLE														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	15	15	0	174	11	11	0	7	26	0	181	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	26	26	0	29	29	29	0	20	55	0	49	
	M35 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	306	306	0	133	15	15	0	10	321	0	143	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	628	628	0	270	34	34	0	30	662	0	300	
	M35 RCC PILING														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	522	522	0	180	20	20	0	10	542	0	190	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	1626	1626	0	733	76	76	0	50	1702	0	783	
	M35 RCC PUMPABLE														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	352	352	0	189	19	19	0	10	371	0	199	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	965	965	0	515	97	97	0	86	1062	0	601	
	M35 RE BLOCK														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	846	846	0	304	23	23	0	10	869	0	314	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	1470	1470	0	487	47	47	0	35	1517	0	522	
	M40 RCC														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	5	5	0	5	0	0	0	0	5	0	5	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	5	5	0	5	0	0	0	0	5	0	5	
	M45 PUMP														
	7Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	19	19	0	6	15	15	0	10	34	0	16	
	28Days Compressive Strength	IS:516 / IS:456	MORT&H Sec. 1700	15	15	0	7	34	34	0	10	49	0	17	
	24.0 BENTONITE														
20.1	Density			276	276	0	104	15	15	0	7	291	0	111	
20.2	Marsh Cone Viscosity			276	276	0	104	15	15	0	7	291	0	111	
20.3	pH Value	MORT&H Sec. 1115.2.3	As required	276	276	0	104	15	15	0	7	291	0	111	
20.4	Silt Content			15	15	0	6	0	0	0	0	15	0	6	
20.5	Liquid Limit			18	18	0	7	0	0	0	0	18	0	7	
	25.0 Fine Aggregate MoRT&H 1008-(RE-Block)														

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				No. of test Conducted (1 Test =3sets)	Passed	Failed	Nos. of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos. of test witnessed by IE	No. of test Conducted	Passed	Failed	Nos. of test witnessed by IE
21.1	Grade / Sieve analysis	IS:2386 (Part1)	As required	517	517	0	166	20	20	0	10	537	537	0	176
21.2	Fineness Modulus	MORT&H Sec. 1008&383	As required	517	517	0	166	20	20	0	10	537	537	0	176
21.3	Specific gravity & Water absorption	IS:2386 (Part2)	As required	12	12	0	5	0	0	0	1	12	12	0	6
26.0 Coarse Aggregate MORT&H 1007-(RE-Block)															
22.1	Gradation	IS:2386 (Part2)	As required	473	473	0	121	20	20	0	20	493	493	0	141
22.2	Specific gravity & Water absorption	IS:2386 (Part3)	As required	17	17	0	11	0	0	0	0	17	17	0	11
22.3	Aggregate Impact Value	IS:2386 (Part4)	1 test / each source monthly	21	21	0	8	5	5	0	5	26	26	0	13

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

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

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

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



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. 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	Thiruvalanzuli	Mr.Dharmalingam
2	138+500	138+540		Court Stay	-	Thiruvalanzuli	Mr.Shanmugam
3	138+750	138+850	500 m	Court Stay		Thiruvalanzuli	Mr.Dhahshnamoorthy , Mr.Rajini, Mr.nagaraj
4	142+100	142+200	500 m	Payment Issue	326/1, 326/2, 326/3, 326/4, 326/5, 326/ 6	Gopurajapuram	Mr.Pakir Mohammed
5	161+100	161+200	1000 m	LA issues	3/1A,3/1B	Kadakadapai	Ms Tamilselvei
Total Effectd Length in Meters			2520				

17. 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-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)(l) 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 & Machinerics 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.

But so far we have not received the requisite permission from the District Administration for commencement of works and the entire construction activities are standstill since 21.03.2020 and the mobilised manpower and machineries are in idle conditions which the Concessionaire facing the huge losses of valuable time and cost due to occurrence of this Force Majeure under the Article-28 of Concession Agreement.

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 - ORGANIZATION CHART - EPC TEAM

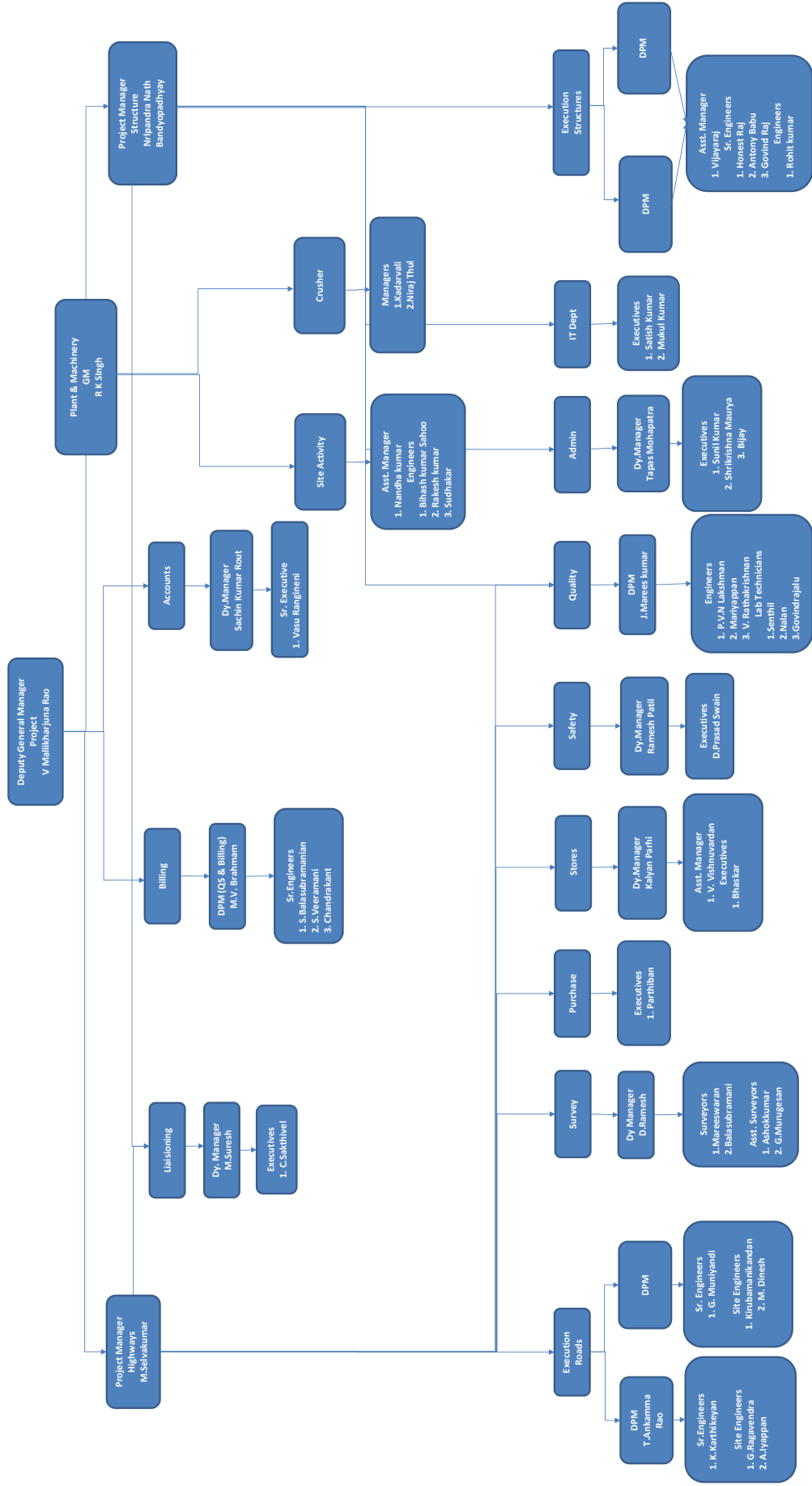
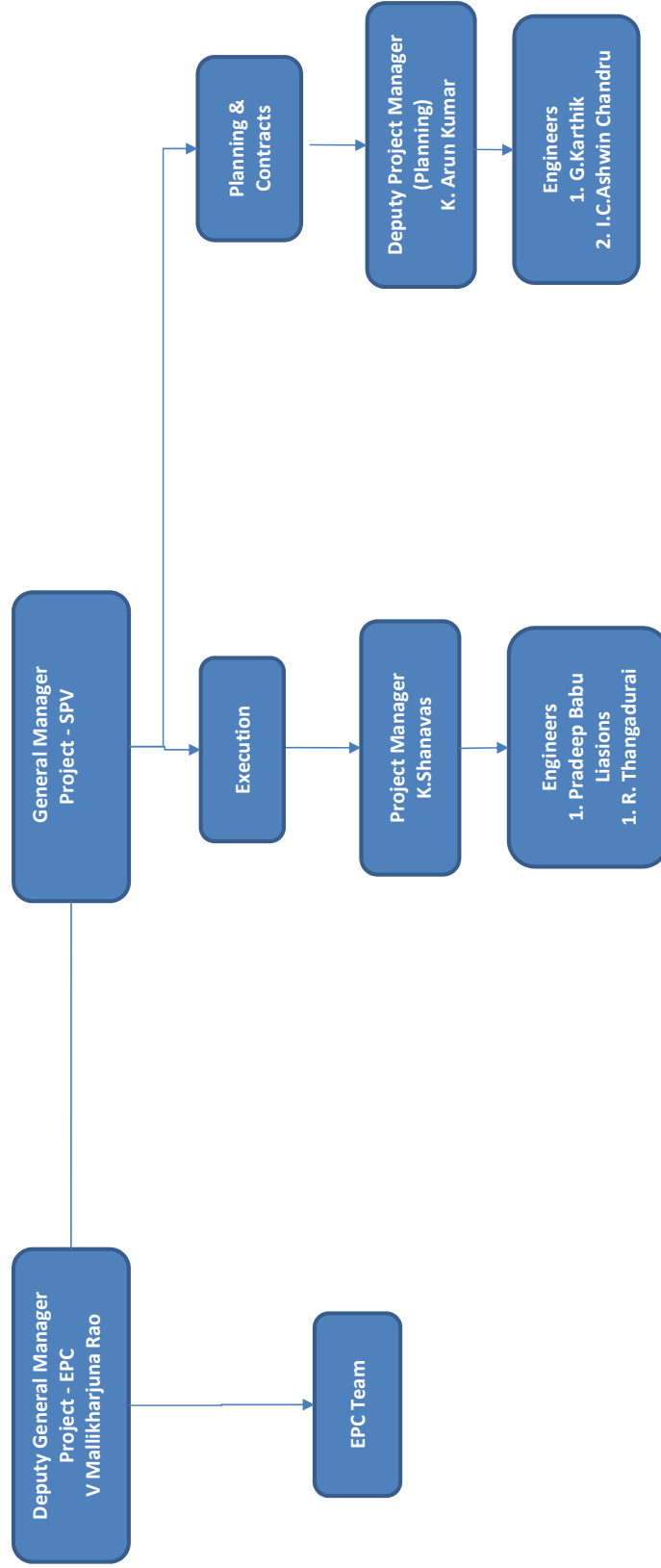


Figure 5 - ORGANAIZATION CHART - SPV TEAM



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	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
2	Construction of Major Bridge at Km 131+963- under Change of Scope	01.06.2019	IE recommended to Authority vide ref.141 for issuance under COS.	NA	NA

14. Details of Correspondences

The following tables list out the correspondences between the parties.

Table 14.1. - Concessionaire to NHAI

Table 14.2. - NHAI to Concessionaire

Table 14.3. - Concessionaire to Independent Engineer

Table 14.4. - Independent Engineer to Concessionaire

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

TABLE 14.1 - CORRESPONDANCE - CONCESSIONAIRE TO NHAI

S.No	Date	Letter No	Subject	Remarks
1	4/2/2020	PCTHPL/HO/CTP/PIU/017/2020	Regarding Lock down of the Project Site due to Novel Coronavirus Disease (COVID-19)- "Four laning of Cholopuram-Thanjavur section of NH-45 C in the state of Tamil Nadu project on HAM	
2	4/17/2020	PCTHPL/HO/CTP/PIU/018/2020	Request to provide concurrence for replacement of Bank guarantee against Performance Security for "Four laning of Cholopuram-Thanjavur section of NH-45 C in the state of Tamil Nadu project on HAM	
3	4/17/2020	PCTHPL/HO/CTP/PIU/019/2020	Request to provide concurrence for replacement of Bank guarantee against Performance Security for "Four laning of Cholopuram-Thanjavur section of NH-45 C in the state of Tamil Nadu project on HAM	
4	4/18/2020	PCTHPL/HO/CTP/PIU/020/2020	Regarding Lock down of the Project Site due to Novel Coronavirus Disease (COVID-19)- "Four laning of Cholopuram-Thanjavur section of NH-45 C in the state of Tamil Nadu project on HAM	
5	4/23/2020	PCTHPL/HO/CTP/NHAI/19/2020	Regarding Lock down of the Project Site due to Novel Coronavirus Disease (COVID-19)	
6	4/27/2020	PCTHPL/HO/CTP/NHAI/20/2020	Extension of Bank guarantee submitted for Performance Guarantee	
7	4/28/2020	PCTHPL/HO/CTP/NHAI/21/2020	Regarding consent for the execution of supplementary agreement to adopt Dispute Review Board Mechanism for the early resolution of disputes	

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

TABLE 14.2 - CORRESPONDANCE - NHAI TO CONCESSIONAIRE

S.No	Date	Letter No	Subject	Remarks
1	4/10/2020	NHAI/PIU/Thanj/11019/51/2017/632	Independent Consultancy Services for the period from Feb'20 to Mar,20-50% Claim	
2	4/13/2020	NHAI/PIU/Thanj/11026/15/2018/641	Extension of Bank guarantee submitted for Performance Guarantee	

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
3	4/3/2020	PCTHPL/CTP/IE/2020/692	Submission of Monthly Progress Report for the Month of March 2020
			Remarks

Project Name:- Four Laning of Cholopuram – Thanjavur from Km. 116.440 to 164.275 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity				
TABLE 14.4 - CORRESPONDANCE - INDEPENDENT ENGINEER TO CONCESSIONAIRE / NHAI				
S.No	Date	Letter No	Subject	Remarks
1	4/1/2020	THEME/NHAI/CHO-TNJR/CON/0420/578	Submission of Design and drawings for 05 Nos of Minor Bridge in Service road portion	
2	4/8/2020	THEME/NHAI/CHO-TNJR/CON/0420/579	Review of Design and Drawing for MNB at ch 143+115, 144+880, 155+049, 162+618	
3	4/20/2020	THEME/NHAI/CHO-TNJR/CON/0420/582	Road Maintenance and pothole repairing for onset monsoon	

Due to the effect of prevailing lockdown situation in the Project location, all the construction activities are standstill.