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

National Highways Authority of India
(Ministry of Road Transport & Highways)

Four Laning of Sethiyahopu-Cholopuram from Km. 65.960 to Km. 116.440 Section of NH-45C under NHDP-IV on Hybrid Annuity Mode Basis.

PATEL SETHIYAHOPU-CHOLOPURAM HIGHWAY PRIVATE LIMITED

MONTHLY PROGRESS REPORT

MAY 2023

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The old National Highway (NH -45C) 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 45C (NH-45C). 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 36. It links Chennai with Thanjavur and is 418 km long.

The Sethiyahopu to Cholopuram section of NH-45C is an important link to connect Metropolitan city of Chennai to religious and tourist places of Cholopuram, Thanjavur, kumbakonam, Puducherry. The project is also expected to provide improved connectivity to other religious places & other major cities like Rameswaram, Madurai, Tiruchirappalli, etc. The Project stretches passing through the 03 nos. of districts of Cuddalore, Ariyalur and Thanjavur.

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 65.960 to Km 116.440 (approx. 50.480 Km). The Authority had resolved to augment for four Laning of Sethiyahopu - Cholopuram from Km 65.960 to Km 116.440 section of NH - 45C in the State of Tamil Nadu under NHDP Phase-IV on design, build, operate and transfer (the "DBOT Annuity" or "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

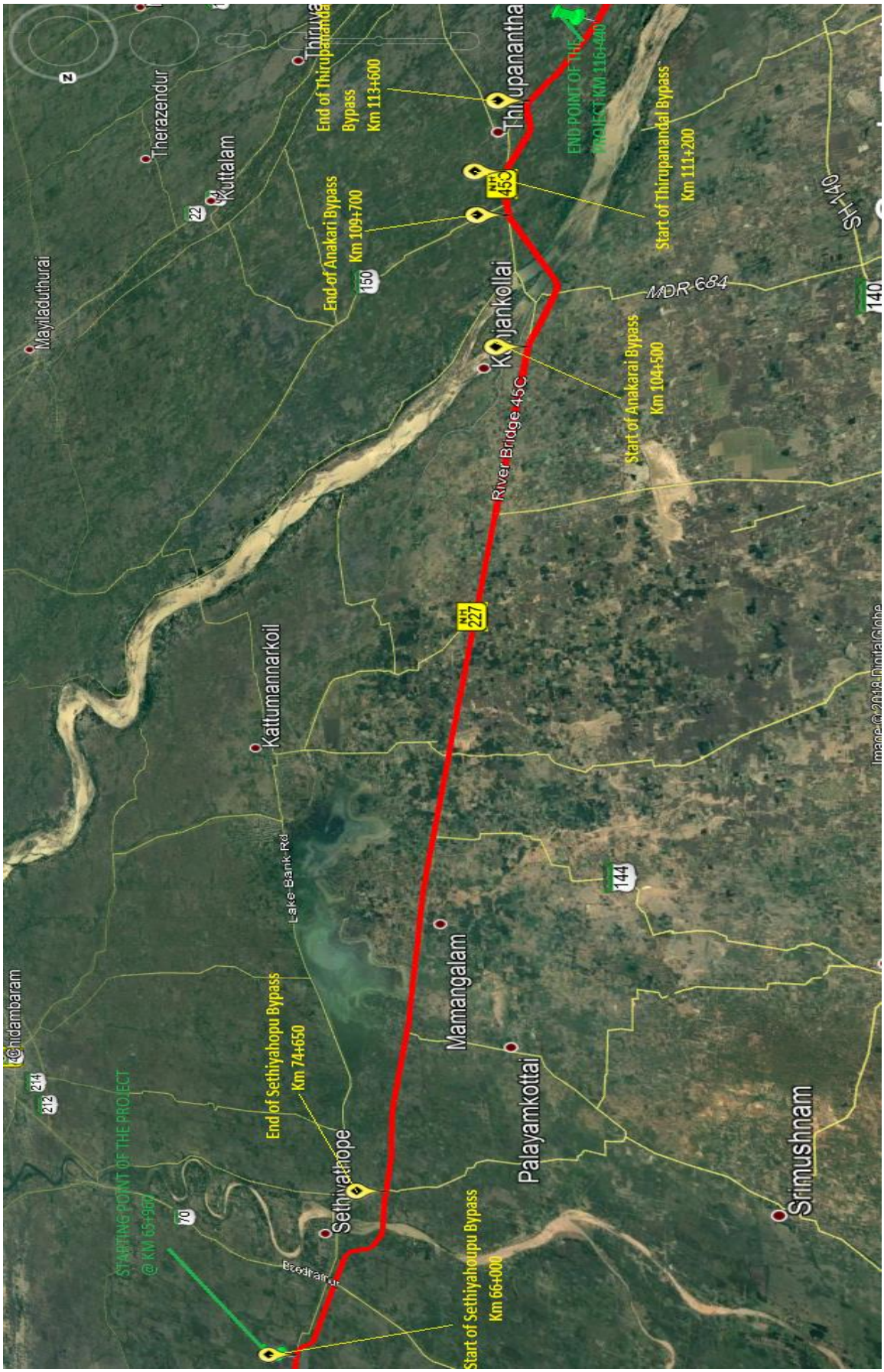
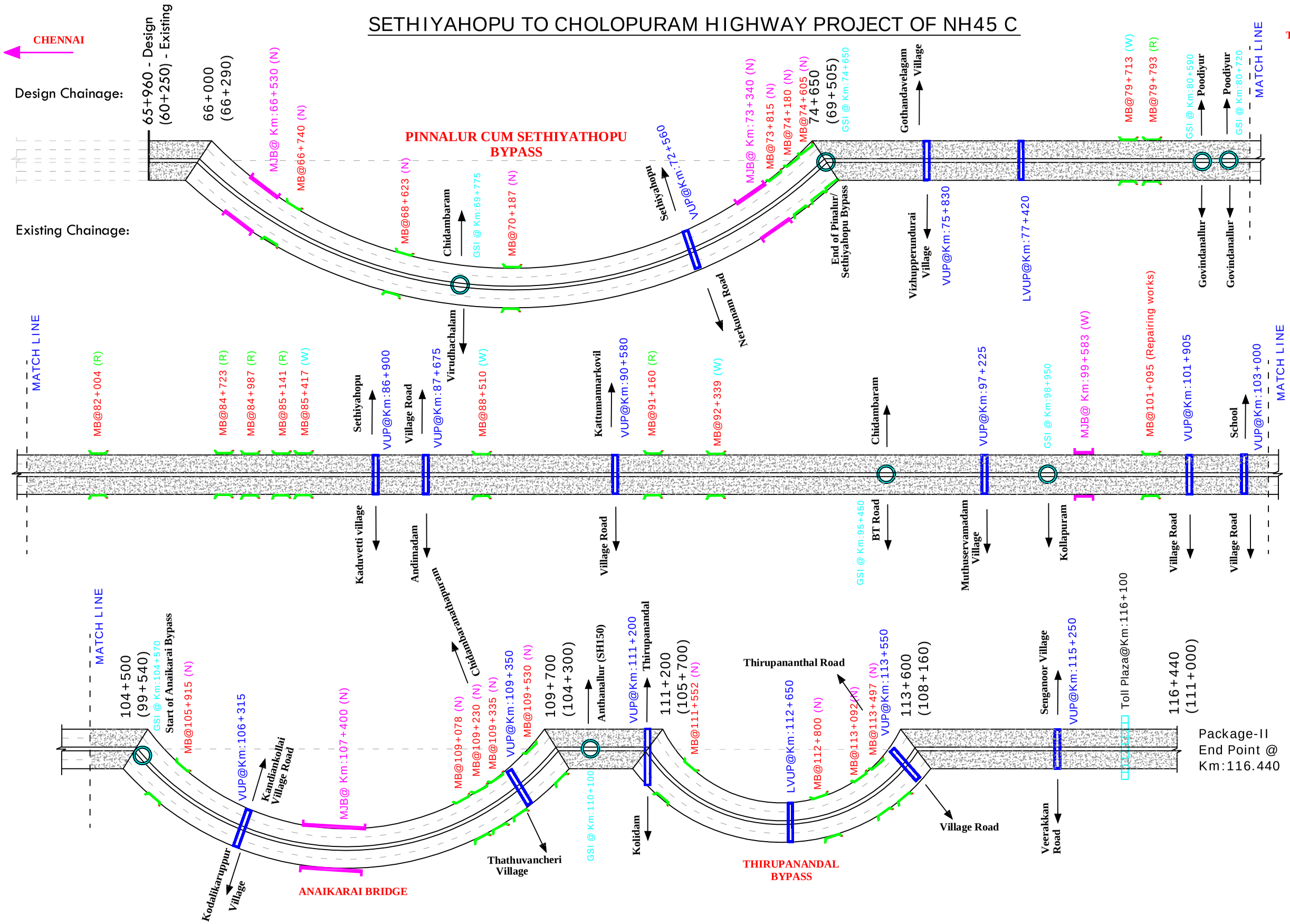


Figure 2: Project Alignment Map

SETHIYAHOPU TO CHOLOPURAM HIGHWAY PROJECT OF NH45 C



Pinnalur /Sethiyathopu Bypass Km:66+000 to 74+650			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	05
2.	Minor Bridge	Nos.	06
3.	Major Bridge	Nos.	02
4.	VUP/LVUP	Nos.	01
5.	Grade Separator	Nos.	02

Widening of Existing Road Km:74+650 to 104+500			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	29
2.	Minor Bridge	Nos.	10
3.	Major Bridge	Nos.	01
4.	VUP/LVUP	Nos.	08
5.	Grade Separator	Nos.	04

Anaikarai Bypass Km:104+500 to 109+700			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	12
2.	Minor Bridge	Nos.	05
3.	Major Bridge	Nos.	01
4.	VUP/LVUP	Nos.	02
5.	Grade Separator	Nos.	01

Widening of Existing Road Km:109+700 to 111+200			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	6
2.	Minor Bridge	Nos.	-
3.	Major Bridge	Nos.	-
4.	VUP/LVUP	Nos.	01
5.	Grade Separator	Nos.	01

Thirupanandal Bypass Km:111+200 to 113+600			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	-
2.	Minor Bridge	Nos.	04
3.	Major Bridge	Nos.	-
4.	VUP/LVUP	Nos.	02
5.	Grade Separator	Nos.	-

Widening of Existing Road Km:113+600 to 116+440			
Sl No	Description	Unit	Quantity
1.	Culvert	Nos.	08
2.	Minor Bridge	Nos.	-
3.	Major Bridge	Nos.	-
4.	VUP/LVUP	Nos.	01
5.	Toll Plaza	Nos.	01

LEGENT:

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

Salient Features of Project:

Sl No	Description	Unit	Scope
1.	Total Length of Project	Km	50.480
2.	Length of Widening Portion	Km	34.230
3.	Length of Bypass	Km	16.250
4.	Length of service/Slip Road	Km	27.100
5.	Culverts		
	Box Culvert	Nos.	53

Sl No	Description	Unit	Scope
	Slab Culvert	Nos.	07
6.	Minor Bridge	Nos.	25
7.	Major Bridge	Nos.	04
8.	VUP/LVUP	Nos.	15
9.	Grade Separated Structure	Nos.	08
10.	Toll Plaza	Nos.	01

Sl No	Description	Unit	Scope
11.	Minor Intersection	Nos.	100
12.	Major Intersection	Nos.	07
13.	Bus Bays and Shelters	Nos.	09

Drawing Title

Strip Plan - Sethiyahopu to Cholopuram Highway Project

Date.	Project No.
31-08-2018	PSCHP/NHAI/TN/001

Table - 1.1: Details of Project Alignments

Existing and Proposed Alignments							
Sl. no.	Existing Chainage (Km)		Design Chainage (Km)		LENGTH (Km)	TCS Type	Remarks
	From	To	From	To			
1	60.250	Bypass	65.960	69.460	3.500	Type-A-3 (Fig 2.4 of the manual)	Bypass
2	Bypass	Bypass	69.460	70.090	0.630	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
3	Bypass	Bypass	70.090	72.350	2.260	Type-A-3 (Fig 2.4 of the manual)	Bypass
4	Bypass	Bypass	72.350	72.775	0.425	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
5	Bypass	Bypass	72.775	74.335	1.560	Type-A-3 (Fig 2.4 of the manual)	Bypass
6	Bypass	69.820	74.335	74.960	0.625	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
7	69.820	70.375	74.960	75.520	0.560	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
8	70.375	71.010	75.520	76.150	0.630	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
9	71.010	71.855	76.150	76.900	0.750	Type-B (Fig 2.6 of the manual) with both side service road	Eccentric Widening
10	71.855	72.170	76.900	77.220	0.320	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
11	72.170	72.570	77.220	77.620	0.400	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
12	72.570	72.800	77.620	77.850	0.230	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
13	72.800	73.230	77.850	78.300	0.450	Type-B (Fig 2.6 of the manual) with both side service road	Eccentric Widening
14	73.230	75.105	78.300	80.150	1.850	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
15	75.105	76.080	80.150	81.120	0.970	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
16	76.080	76.460	81.120	81.500	0.380	TCS-1	Concentric Widening
17	76.460	77.000	81.500	82.240	0.740	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening

18	77.000	78.115	82.240	83.150	0.910	Type-B (Fig 2.6 of the manual) with both side service road	Eccentric Widening
19	78.115	79.110	83.150	84.150	1.000	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
20	79.110	79.510	84.150	84.550	0.400	Type-B (Fig 2.6 of the manual) with both side service road	Eccentric Widening
21	79.510	80.610	84.550	85.650	1.100	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
22	80.610	81.555	85.650	86.580	0.930	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
23	81.555	82.170	86.580	87.210	0.630	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
24	82.170	82.320	87.210	87.360	0.150	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
25	82.320	82.910	87.360	87.990	0.630	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
26	82.910	83.180	87.990	88.265	0.275	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
27	83.180	83.660	88.265	88.745	0.480	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
28	83.660	85.220	88.745	90.265	1.520	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
29	85.220	85.850	90.265	90.895	0.630	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
30	85.850	86.555	90.895	91.600	0.705	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
31	86.555	87.015	91.600	92.050	0.450	TCS-1	Concentric Widening
32	87.015	87.525	92.050	92.560	0.510	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
33	87.525	90.000	92.560	95.035	2.475	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
34	90.000	90.830	95.035	95.865	0.830	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
35	90.830	91.350	95.865	96.400	0.535	Type-B (Fig 2.6 of the manual) with both side service road	Concentric Widening
36	91.350	91.970	96.400	96.910	0.510	TCS-1	Concentric Widening

37	91.970	92.460	96.910	97.535	0.625	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
38	92.460	93.550	97.535	98.535	1.000	TCS-1	Concentric Widening
39	93.550	94.370	98.535	99.335	0.800	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
39A	94.370	94.875	99.335	99.840	0.505	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
40	94.875	95.350	99.840	100.300	0.460	Type-B (Fig 2.6 of the manual) with both side service road	
41	95.350	96.630	100.300	101.590	1.290	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
42	96.630	97.260	101.590	102.225	0.635	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
43	97.260	97.720	102.225	102.685	0.460	Type-B (Fig 2.6 of the manual) with both side service road	Eccentric Widening
44	97.720	98.360	102.685	103.315	0.630	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
45	98.360	99.190	103.315	104.160	0.845	Type-B (Fig 2.6 of the manual) with both side service road	Eccentric Widening
46	99.190	Bypass	104.160	104.990	0.830	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
47	Bypass	Bypass	104.990	106.000	1.010	Type-A-3 (Fig 2.4 of the manual)	Bypass
48	Bypass	Bypass	106.000	106.625	0.625	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
49	Bypass	Bypass	106.625	109.035	2.410	Type-A-3 (Fig 2.4 of the manual)	Bypass
50	Bypass	104.260	109.035	109.660	0.625	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
51	104.260	105.015	109.660	110.515	0.855	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
52	105.015	105.390	110.515	110.890	0.375	Type-B (Fig 2.6 of the manual) with both side service road	Eccentric Widening
53	105.390	Bypass	110.890	111.515	0.625	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	

54	Bypass	Bypass	111.515	112.430	0.915	Type-A-3 (Fig 2.4 of the manual)	Bypass
55	Bypass	Bypass	112.430	112.840	0.410	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
56	Bypass	Bypass	112.840	113.225	0.385	Type-A-3 (Fig 2.4 of the manual)	Bypass
57	Bypass	108.410	113.225	113.850	0.625	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
58	108.410	109.395	113.850	114.835	0.985	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening
59	109.395	110.220	114.835	115.660	0.825	Figure 7.8- Grade separator and its approaches with RE wall and both side 5.5 m wide Slip road	
60	110.220	111.000	115.660	116.440	0.780	Type-A-3 (Fig 2.4 of the manual)	Eccentric Widening

1.1. Project Overview

Name of Work	Four Laning of Sethiyahopu-Cholopuram from Km. 65.960 to Km. 116.440 Section 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 Sethiyahopu – Cholopuram Highway Pvt Ltd, Patel House, Beside Prakruti Resorts, Channi Road, Vadodara. Gujarat– 391740 Tel: +91-265 277 6678 Fax: +91-265 277 7878
Independent Engineer	M/s. Theme Engineering Services Pvt. Ltd, Plot No. 2, Annai Anjugam Nagar, Ullur, Chettimandapam, Kumbakonam – 612001.
EPC Contractor	M/s. Patel Infrastructure Limited, Patel House, Beside Prakruti Resort, Channi 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)	50.480 Kms
Total Bid Project Cost	Rs. 1461.00 Crores (as per concession agreement)
Date of Concession Agreement	November 9, 2017
Concession Period	17 Years (Construction Period 2 Years from Appointed date, Operation period 15 years from COD)
Appointed Date	16.08.2018
Construction Period	2 years from Appointed date
Completion Date	15.08.2020
Date of Settlement Agreement No. 01	04.03.2021
Date of Settlement Agreement No. 02	20.03.2023
Maintenance Period	15 years from COD

1.2. Salient Project Features

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

4 - Lane Divided Carriage Way	50.48 Km.
Service Road/ Slip Road	26.595 Km (Slip Road = 14.510 Kms & Service Road = 12.085 Kms)
Major Bridge	04 Nos.
Minor Bridge	25 Nos.
Grade Separate Intersection	08 Nos.
Vehicular Underpass	13 Nos.
Light Vehicular Underpass	2 Nos.
Culverts	60 Nos.
Major Intersections	07 Nos.
Minor Intersections	100 Nos.
Bus Bays	09 Nos.
Toll Plaza	01 Nos.

1.3. Contractual Project Milestones

Following is a listing of the Key Project Milestones:-

Mile Stone	Description	Target Dates as per CA	Dates as per Settlement Agreement signed on dated 04.03.2021	Revised target dates as per Settlement Agreement signed on dated 20.03.2023
Mile Stone -I	Concessionaire shall expended not less than 20 % of the Total capital cost and shall have commenced construction of the project and achieved 20% of physical progress on 214th day from the Appointed Date.	18th March 2019	➢ 31st May'2021- Total 28.345 Km. four lane to be completed for PCOD-I. ➢ 30th Nov'2021- Total 35.940 Km. four lane to be completed for PCOD-II. ➢ 31st July'2022- Total 50.480 Km. four lane to be completed for final completion.	➢ 10th December'2021- Total 28.345 Km. four lane to be completed for PCC-I . ➢ 28th February'2023- Total 35.240 Km. four lane to be completed for PCC-II . ➢ 10th August'2023- Total 40.140 Km. four lane to be completed for PCC-III. ➢ 30th June'2024- Total 50.480 Km four lane to be completed for final completion.
Mile Stone -II	Concessionaire shall expended not less than 35% of the Total capital cost and shall have commenced construction of the project and achieved 35% of physical progress on 334th day from the Appointed Date.	16th July 2019		
Mile Stone -III	Concessionaire shall expended not less than 75 % of the Total capital cost and shall have commenced construction of the project and achieved 75% of physical progress on 584th day from the Appointed Date.	22nd March 2020		
Scheduled Completion	Concessionaire shall have completed Project on 730th day from the Appointed Date.	15th August 2020		

Note: The Settlement Agreement was signed between Concessionaire and Authority on dated 04.03.2021 with the target of completion of 28.345 Kms length by 31.05.2021, and further completion of additional 7.595 Kms length by 30.11.2021 i.e. up to Payment Date of 1st Annuity. The non-workable length/non-handed over length is 14.54 Km as per joint site verification by Concessionaire, IE and NHAI. This 14.54 Km length shall be handed over to the Concessionaire by 31.05.2021 and shall be completed by 31.07.2022.

However, out of 14.540 Kms, only 4.180 Kms was handed over to the Concessionaire by 31.05.2021. Out of the balance length equal to 10.360 Kms (i.e. 14.540 kms - 4.180 kms), Concessionaire considered 4.230 Kms length as workable length and remaining length equal to 6.130 Kms (i.e. 10.360 kms - 4.230 kms) was under approval of descope proposal at NHAI, HQ from the scope of work of Concessionaire.

The Competent Authority has communicated extension of time approval for 105 days due to occurrence of Force Majeure event on account of 2nd wave of COVID-19.

The Concessionaire had also requested to Authority/IE for the extension of time for PCOD-2 up to 28.02.2023 and PCOD-3 upto 10.08.2023 due to constraints of issue in obtaining permission for extracting soils from borrow area and also due to interruption in the availability of pond ash.

The Concessionaire had also submitted the proposal for additional descope to Authority / IE in 3.51 Km length in addition to the already proposed descoping of 6.13 Km length due to interruption in the availability of pond ash required for the construction of RE Wall stretches and also due to local villagers were not allowing the concessionaire to continue the construction activities in some stretches. Hence, the concessionaire was not able to execute any construction activity in 3.51 Km length up to 31.05.2021 and submitted the proposal of additional de scope to Authority/IE.

In line of the submission done by the concessionaire, Independent Engineer has examined both the proposals submitted by the concessionaire and Independent Engineer vide IE letter no. 4906 & 4897 Dt. 04.11.2022 has recommended both the proposals to PIU, NHAI (i.e. total comprehensive descope proposal in 9.640 Km length (6.13Km+3.51Km) and extension of time proposal for PCOD-02 (completion of 35.940 Km) up to 28.02.2023 and extension of time proposal for PCOD-03 (completion of 40.840 Km duly considering the descope proposal of 9.640 Km length) up to 10.08.2023 for the approval of competent authority.

In line of the recommendation done by IE, PIU NHAI vide letter no. 3153 Dt. 04.11.2022 has also recommended both the proposals to RO, NHAI (i.e. total comprehensive descope proposal in 9.640 Km length (6.13Km+3.51Km) and extension of time proposal for PCOD-02 (completion of 35.940 Km) up to 28.02.2023 and extension of time proposal for PCOD-03 (completion of 40.840 Km duly considering the descope proposal of 9.640 Km length) up to 10.08.2023) for getting the approval from the competent authority.

In line of the recommendation given by PIU, NHAI regarding total comprehensive descope proposal in 9.640 Km length & additional EOT for 270 days, Settlement Agreement has been signed between NHAI (Authority) & PSCHPL (Concessionaire) on dated 20.03.2023 and the following has been finalized between NHAI (Authority) & PSCHPL (Concessionaire):-

1. The cumulative length for the completion of PCC-2 has been revised from 35.940 Km to 35.240 Km due to local public not allowing the concessionaire to execute the construction activities & demanding for the construction of additional scope of work and hence the same need to be considered under the proposal of change of scope.

2. The cumulative length for the completion of PCC-3 has been revised from 40.840 Km (duly considering the descope proposal of 9.640 Km length) to 40.140 Km due to local public not allowing the concessionaire to execute the construction activities & demanding for the construction of additional scope of work and hence the same need to be considered under the proposal of change of scope.

3. It was acknowledged by both the parties i.e. NHAI (Authority) & PSCHPL (Concessionaire) that 100% encumbrance free land is now available for the completion of entire project. Hence, from the project completion point of view, the descope length (i.e. 9.64 Km) & the length affected due to additional change of scope (i.e. 0.70 Km) has been considered for PCC-4 and the target date finalized for the completion of PCC-4 (i.e. 9.64 Km + 0.70 Km = 10.34 Km) is 30.06.2024.

Status of Progress of Work as per Settlement Agreement signed on Dated 20.03.2023:-

Sr. No.	Description	Target length & Date	Tentative BPC	Achieved as on date	Remarks
1	PCC-01	Completion of 28.345 Kms by 10.12.2021	803.60 Cr.	73.44%	Presently, Work is in Progress in the PCC-03 Stretches by concessionaire.
2	PCC-02	Completion of 35.240 Kms by 28.02.2023	1055.57 Cr.*		
3	PCC-03	Completion of 40.140 Kms by 10.08.2023	1189.40 Cr.*		
4	PCC-04	Completion of 50.480 Kms by 30.06.2024	1461.00 Cr.*		
*NOTE:- Approximate amount mentioned for PCC-02, PCC-03 & PCC-04. The revised BPC would be derived for PCC-02, PCC-03 & PCC-04 and accordingly the subsequent payment would be paid to the concessionaire.					

1. IE vide letter no. 1144 dated 02.06.2022 has issued the Provisional Completion Certificate-1 (PCC-01) after the completion of 28.345 Kms w.e.f. 10.12.2021.

2. IE vide letter no. 589 dated 15.05.2023 & PIU, NHAI vide letter no. 1424 dated 23.05.2023 has communicated the recommendation regarding the issuance of Provisional Completion Certificate-2 to the concessionaire in respect of cumulative completion of project highway in 35.240 Kms length w.e.f. 18.02.2023 for the approval from the competent authority.

1.4. Payment milestone during Construction Period

Payment Mile Stone	Eligibility Criteria	Payment Amount (Rs.)	Claimed Amount (Rs.)	Date of release of payment
Mile Stone-I	On Achievement of 10% of Physical Progress	116.88 Crs.	110.94 Crs.	04.10.2019
Mile Stone-II	On Achievement of 30% of Physical Progress	116.88 Crs.	110.94 Crs.	25.09.2020
IPC No. 01 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 31.856% of Physical Progress	10.85 Crs.	10.29 Crs.	29.09.2020
IPC No. 02 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 32.758% of Physical Progress	5.27 Crs.	5.00 Crs.	10.11.2020
IPC No. 03 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 34.484% of Physical Progress	10.09 Crs.	9.57 Crs.	10.11.2020
IPC No. 04 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 35.144% of Physical Progress	3.86 Crs.	3.66 Crs.	10.12.2020
IPC No. 05 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 36.052% of Physical Progress	5.31 Crs.	5.04 Crs.	12.02.2021
IPC No. 06 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 37.886% of Physical Progress	10.72 Crs.	10.17 Crs.	18.03.2021
IPC No. 07 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 39.452% of Physical Progress	9.15 Crs.	8.69 Crs.	31.03.2021
IPC No. 08 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 40.979% of Physical Progress	8.92 Crs.	8.47 Crs.	10.05.2021
IPC No. 09 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 41.432% of Physical Progress	2.65 Crs.	2.51 Crs.	09.06.2021
IPC No. 10 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 43.429% of Physical Progress	11.67 Crs.	11.08 Crs.	16.07.2021
IPC No. 11 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 46.976% of Physical Progress	20.73 Crs.	19.67 Crs.	27.08.2021
IPC No. 12 of Mile Stone-III (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 49.966% of Physical Progress	17.47 Crs.	16.59 Crs.	20.09.2021

Payment Mile Stone-III & IPC No. 01 of Mile Stone-IV (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On achievement of 63.787% of physical progress	22.32 Crs.	21.20 Crs.	30.06.2022
IPC No. 02 of Mile Stone-IV (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 66.181% of physical progress	13.99 Crs.	13.28 Crs.	22.08.2022
IPC No. 03 of Mile Stone-IV (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 67.868% of physical progress	9.86 Crs.	9.36 Crs.	29.12.2022
IPC No. 04 of Mile Stone-IV (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 69.633% of physical progress	10.31 Crs.	9.79 Crs.	02.03.2023
IPC No. 05 of Mile Stone-IV (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 70.071% of physical progress	2.56 Crs.	2.43 Crs.	29.03.2023
IPC No. 06 of Mile Stone-IV (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 71.347% of physical progress	7.46 Crs.	7.08 Crs.	28.04.2023

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 executed an agreement with Mr. Thiru V. Sekar for supply of boulders that is having a valid license for extraction of boulders for the quarry at Padalur Village, Perambalur District.
2	Installation of Crusher	Village Panchayat Head	Obtained	
3	-----D O------	Pollution Control Board	Obtained	
4	Use of Explosives	District Collector	Obtained	
5	Labour License	Labour Commissioner	Obtained	
6	Environmental Clearance		NA	
7	Trees Cutting Permission	Forest department through NHAI	Obtained	Work Completed
8	Electric Poles Shifting	Tamil Nadu Electricity Board	Obtained	Work in Progress
9	Water Pipes Shifting	Tamilnadu Water Supply and Drainage Board	Obtained	Work in Progress
10	Drawing Water from river/ reservoir		NA	

2. Right of Way Status

2.1. Land Acquisition

As per the Schedule – A of Concession Agreement, the Proposed Right of Way (ROW) is of 45, 52.50 & 60 meters as mentioned in the table below:-

Table 2.1-1: Details of proposed ROW as per Schedule-A

	Design Chainage (Km)	Design Length (Km)	Width (m)	Remarks
Full Right of Way (full width)				
Stretch	65.960 to 75.150	9.190	60.00	Within 15 days of date of Agreement.
Stretch	75.150 to 82.380	7.230	45.00	
Stretch	82.380 to 83.080	0.700	60.00	
Stretch	83.080 to 84.050	0.970	45.00	
Stretch	84.050 to 86.440	2.390	60.00	
Stretch	86.440 to 87.660	1.220	52.50	
Stretch	87.660 to 91.730	4.070	45.00	
Stretch	91.730 to 93.730	2.000	52.50	
Stretch	93.730 to 95.900	2.170	45.00	
Stretch	95.900 to 99.700	3.800	60.00	
Stretch	99.700 to 104.500	4.800	30.00	
Stretch	104.500 to 109.700	5.200	60.00	
Stretch	109.700 to 110.980	1.280	30.00	
Stretch	110.980 to 113.700	2.720	60.00	
Stretch	113.700 to 116.440	2.740	30.00	
Total Length		50.480		

Balance Right of way (width)				
	Design Chainage (Km)	Design Length (Km)	Width (m)	Within 90(Ninety) days of the Appointed date
Stretch	099.700 to 104.500	4.800	15.00	
Stretch	109.700 to 110.980	1.280	15.00	
Stretch	113.700 to 116.400	2.740	15.00	

Besides this, the Authority has to acquire additional land at Bus bays/Bus Shelter locations, turning radius at Minor & Major junctions. The location of Bus bays/Bus Shelter as per Schedule C of Concession Agreement is given below in the tabular form:-

Sr. No.	Design Chainage	Side	Remarks
1	76.700	Both Hand Side	
2	79.350	Both Hand Side	
3	80.400	Both Hand Side	
4	81.450	Both Hand Side	
5	84.350	Both Hand Side	
6	92.250	Both Hand Side	
7	93.150	Both Hand Side	
8	94.250	Both Hand Side	
9	97.850	Both Hand Side	

The status of compensation disbursed for land and structures are given below in the tabular form:-

Table 2.1-2:Compensation disbursement for land					
SL. No.	Name of the District	Total No. of Land cases	Amount paid (in Nos.)	Balance to be Paid (in Nos.)	Remarks
1	Cuddalore	710	710	0	
2	Ariyalur	355	355	0	
3	Thanjavur	102	102	0	
	Total in Nos.	**1167**	**1167**	**0**	
	Total in %		**100%**	**0%**	

Table 2.1-3 - Compensation disbursement for Structures					
Sl. No.	Name of the District	Total No. of structures	Amount paid (in Nos.)	Balance to be Paid (in Nos.)	Remarks
1	Cuddalore	383	383	0	
2	Ariyalur	461	461	0	
3	Thanjavur	148	148	0	
	Total in Nos.	**992**	**992**	**0**	
	Total in %		**100%**	**0%**	

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	Cuddalore	10	10	0
2	Ariyalur	10	10	0
3	Thanjavur	2	2	0
	Total in Nos.	**22**	**22**	**0**

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						
Sr. No.	Name of the District	Chainages			Total Number of Estimates	Remarks
		From	To	Length in Km		

1	Cuddalore	65+960	86+440	20.48	25	Work is in Progress
2	Ariyalur	86+440	106+860	20.42	46	
3	Thanjavur	106+860	116+440	9.58	4	

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

Sr. No	Name of the District	Chainages			Number of Estimates	Present Status	Remarks
		From	To	Length in Km			
1	Cuddalore	65+960	86+440	20.48	10	Estimate Approved	Supervision charges are paid and work in progress
2	Ariyalur	86+440	106+860	20.42	5	Estimate Approved	
3	Thanjavur	106+860	116+440	9.58	5	Estimate Approved	
4	Cuddalore & Thanjavur	Km:70+020, Km:73+470 and Km:113+720			3	Estimate Approved	Supervision Charges paid

Estimates for shifting of the above Electric lines have been prepared. The estimated cost is Rs. 17.45 Crores.

Estimates have been done for the shifting of the water supply pipeline & related items mentioned above. The final amount of Rs. 15.87 Crores sanctioned by RO, NHAI, Madurai.

Table 2.3-3: Status of Utility Relocation

Sl. No.	Authority	Description	Unit	Total Length/ Nos.	Work done	Balance work to be done	Remarks
1	BDO & EE,TWAD	Water Supply Pipe Line	Kms.	72.695	32.635	40.060	Work is in progress
2	BDO of Concern Union	Hand Pump/Pump Room with Bore well	Nos.	24	16	8	
3	BDO of Concern Union	Over Head Tank	Nos.	15	13 Nos Completed	2	
4	TNEB	Electrical Lines	Kms.	6.83	6.13	0.70	
5	TNEB	Erection of HT Tower at Ch. 73+470	Nos.	2	2	0	

Sl. No	Authority	Description	Remarks
1	CMWSSB	Shifting of Veeranam Pipeline	Work is in progress
2	PWD	Shifting of weir located at Ch. 103+990	Work Completed

2.4. Tree felling

Table 2.4-1: Status of Tree felling

Sl. No.	Name of the District	Chainages			Effected Length in Kms.	Completed as on Date	Balance as on Date	Balance no. of Trees	Remarks
		From	To	Length in Km					
1	Cuddalore	65+960	86+440	20.48	6.535	6.535	0	0	
2	Ariyalur	86+440	106+860	20.42	8.385	8.385	0	0	
3	Thanjavur	106+860	116+440	9.58	2.515	2.515	0	0	
Total				50.48	17.435	17.435	0	0	

3.1. Pre-construction Activities

Detailed Design & Drawings

The Plan and Profile, as well as the Pavement Design for the entire 50.480 km project length has been completed, reviewed and accepted 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 Highway Design and Drawings as per Concession Agreement

Sr. No.	Description	Unit	Total Scope As per Sch. B	Design & Drawing Submitted	Design & Drawing Approved
1	Pavement Design	Km	50.48	50.48	50.48
2	Plan & Profile	Km	50.48	50.48	50.48
3	Typical Cross Sections	Type	7	7	7
4	Major Intersections	No	07	02	-
5	Minor Intersections	No	100	65	-
6	Toll Plaza (Typical Details)	No	01	01	-
7	Slip/Service Roads	Km	26.595	26.595	26.595

Table 3.1-2 : Status of Structure Design and Drawings as per Concession Agreement

Sr. No.	Description	Unit	Total Scope As per Sch. B	Design & Drawing Submitted	Design & Drawing Approved
1	Major Bridges	No	04	04	04
2	Minor Bridges	No	25	25	25
3	Grade Separated Intersection	No	08	08	08
4	VUP/LVUP	No	15	15	15
5	Box /Slab Culvert	No	60	60	60

Table 3.1-3 : Status of Structure Design and Drawings additionally included under Positive Change of Scope due to demand of local public

Sr. No.	Structure Location	Type of Structure	Unit	Design & Drawing Submitted	Design & Drawing Approved
1	66+185	LVUP	Nos.	-	-
2	71+900	Box Culvert	Nos.	-	-
3	72+250	Minor Bridge	Nos.	-	-
4	72+780	Minor Bridge	Nos.	01	01
5	72+820	Minor Bridge	Nos.	01	01
6	72+860	Minor Bridge	Nos.	01	01
7	73+040	Minor Bridge	Nos.	01	01
8	80+300	PUP	Nos.	-	-
9	81+900	Box Culvert	Nos.	-	-
10	95+200	PUP	Nos.	01	01
11	95+700	PUP	Nos.	01	01
12	105+220	PUP	Nos.	01	01
13	106+900	PUP	Nos.	-	-
14	106+915	Box Culvert	Nos.	-	-

4.1. Physical Progress of Work:

The Progress of the Major works carried out at the Site till the month of May 2023 is as follows:-

CUMMULATIVE STATEMENT

For Main Carriageway

Sr. No.	Description	Total Length of Project (in. Km.)	Progress up to Previous Month (in Km.)	Progress during this Month (in Km.)	Cumulative Progress Achieved up to this Month (in Km.)	Work in Progress (In Km.)	Balance Length to be Completed	Cumulative % of Progress Achieved
1	Clearing and Grubbing							
	LHS	50.480	41.745	3.805	45.550	0.000	4.930	90.23%
	RHS	50.480	41.385	3.655	45.040	0.000	5.440	89.22%
2	Embankment Top							
	LHS	50.480	37.850	0.695	38.545	3.850	11.935	76.36%
	RHS	50.480	37.530	0.780	38.310	3.755	12.170	75.89%
3	Subgrade Top							
	LHS	50.480	37.745	0.425	38.170	0.105	12.310	75.61%
	RHS	50.480	37.530	0.650	38.180	0.000	12.300	75.63%
4	GSB/ Cement Treated Sub Base							
	LHS	50.480	36.725	1.415	38.140	0.000	12.340	75.55%
	RHS	50.480	36.665	1.475	38.140	0.000	12.340	75.55%
5	Wet Mix Macadam							
	LHS	50.480	36.715	1.425	38.140	0.000	12.340	75.55%
	RHS	50.480	36.645	1.495	38.140	0.000	12.340	75.55%
6	Dense Bituminous Macadam							
	LHS	50.480	36.665	1.475	38.140	0.000	12.340	75.55%
	RHS	50.480	36.645	1.495	38.140	0.000	12.340	75.55%
7	Bituminous Concrete							
	LHS	50.480	36.635	0.020	36.655	0.000	13.825	72.61%
	RHS	50.480	36.615	0.040	36.655	0.000	13.825	72.61%

For Service road

Sr. No.	Description	Total Length of Service Road (in Km.)	Progress up to Previous Month (in Km.)	Progress during this Month (in Km.)	Cumulative Progress Achieved up to this Month (in Km.)	Work in Progress (in Km.)	Balance Length to be Completed	Cumulative % of Progress Achieved
1	Embankment	53.190	38.030	1.940	39.970	0.000	13.220	75.15%
2	Sub grade	53.190	38.030	1.940	39.970	0.000	13.220	75.15%
3	GSB/ Cement Treated Base	53.190	37.640	1.650	39.290	0.000	13.900	73.87%
4	Wet Mix Macadam	53.190	36.070	2.320	38.390	0.000	14.800	72.18%
5	Dense Bituminous Macadam	53.190	34.135	2.475	36.610	0.000	16.580	68.83%
6	Bituminous Concrete	53.190	28.905	0.200	29.105	0.000	24.085	54.72%

Structure Work

Sr. No.	Type of Structure	Total No. of Structures	Nos. of Structures			
			Completed	Work in Progress	Balance to be taken up	Remarks
1	Culvert	60	51.50	1.50	7.00	
2	Light Vehicular Underpass	2	1	1	0	
3	Vehicular Underpass	13	11.50	1.00	0.50	Balance 0.5 No. has been included under Negative Change of Scope.
4	Minor Bridges	25	25.00	0	0	
5	Major Bridge	4	2.00	2.00	0	
6	Flyover	8	6.00	1.00	1.00	Balance 1.00 No. has been included under Negative Change of Scope.

The Physical Progress of the Project up to the month of May 2023 as per the weightages finalized in the Approved Schedule G is as follows:-

Item	Stage for Payment	Unit	Qty.	Weightage in percentage to Contract Price	Completed up to May'2023	Physical Progress (%)	Remarks
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	66.96	9.517%	51.620	7.337%	
	(2) Granular work (sub-base, base, shoulders)						
	(a) GSB/ Cement Treated Base	Km	65.52	3.373%	51.590	2.656%	
	(b) WMM/ Cement Treated Base	Km	65.52	4.046%	51.570	3.184%	
	(3) Shoulders	Km	17.65	0.112%	17.190	0.109%	
	(4) Bituminous work	Km					
	(a) DBM	Km	65.52	3.344%	51.570	2.632%	
	(b) BC	Km	65.52	3.023%	51.490	2.376%	
	(5) Rigid Pavement						
	(6) Widening and repair of culverts	Nos.	16	0.440%	14.300	0.393%	
	(7) Widening and repair of minor bridges	Nos.	4	0.959%	4.000	0.959%	
	B- New realignment/bypass						
	(1) Earthwork up to top of the sub-grade	Km	28.68	6.437%	20.909	4.693%	
	(2) Granular work (sub-base, base, shoulders)						
	(a) GSB/ Cement Treated Base	Km	28.68	1.615%	20.024	1.128%	
	(b) WMM/ Cement Treated Base	Km	28.68	1.436%	20.024	1.003%	
	(3) Shoulders	Km	24.63	0.112%	15.470	0.071%	
	(4) Bituminous work						
	(a) DBM	Km	28.68	1.279%	20.024	0.893%	
	(b) BC	Km	28.68	1.158%	20.024	0.809%	
	(5) Rigid Pavement						
	C- New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:						
	(1) Culverts	Nos.	44	2.070%	37.10	1.745%	
	(2) Minor bridges						
	(a) Foundation	Nos.	58	3.953%	58.00	3.953%	
	(b) Substructure	Nos.	134	2.623%	134.00	2.623%	

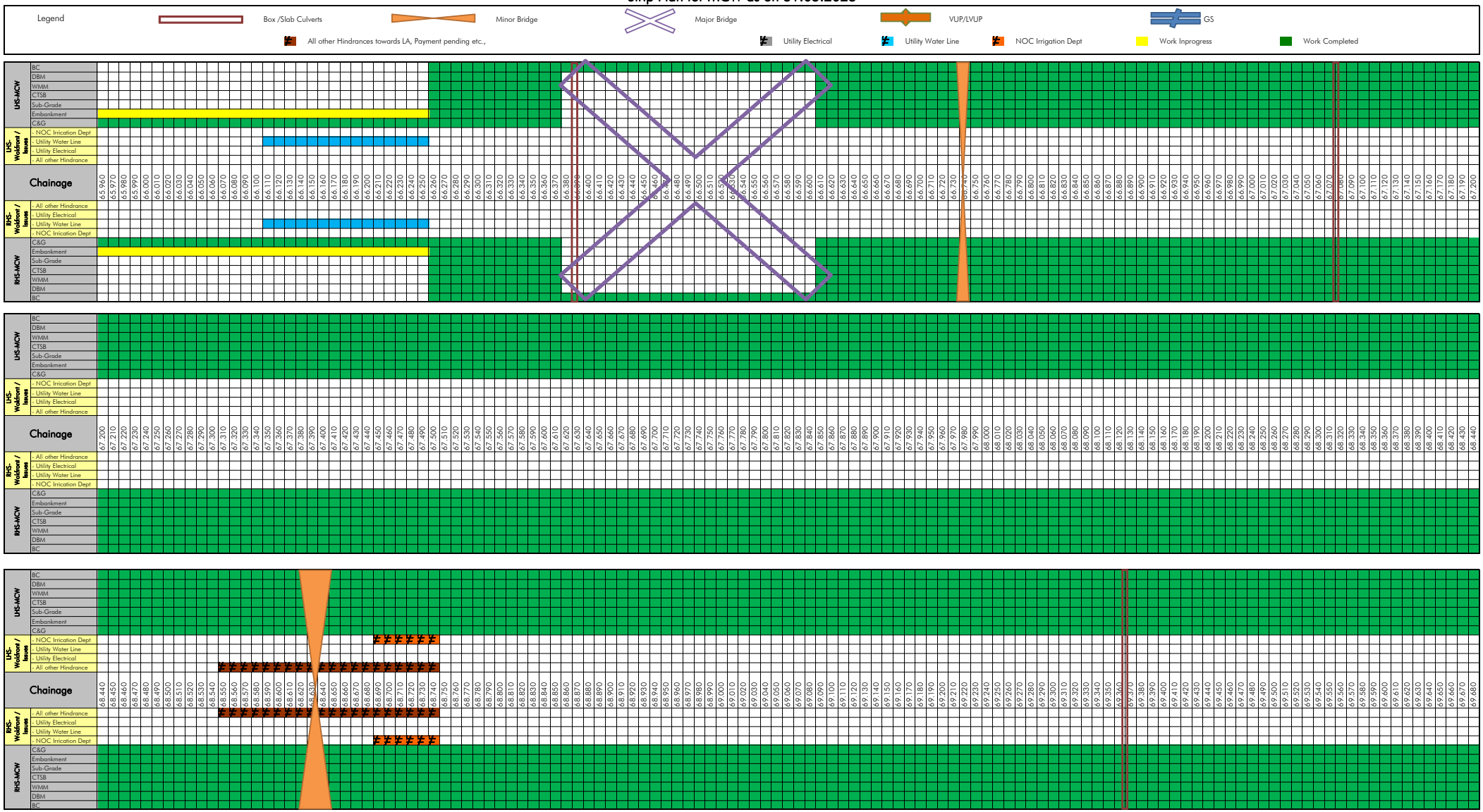
	(c) Superstructure (including crash barrier etc. complete)	Nos.	50	1.559%	47.00	1.466%	
	(5) Grade separated structures						
	(a) Underpass (13 VUP, 2 LVUP)						
	(i) Foundation	Nos.	56	2.574%	51.00	2.344%	
	(ii) Substructure	Nos.	60	0.751%	51.00	0.639%	
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	30	1.289%	23.725	1.019%	
	(c) Flyover						
	(i) Foundation	Nos.	36	2.426%	30.00	2.021%	
	(ii) Substructure	Nos.	36	0.470%	29.00	0.379%	
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	20	1.244%	16.00	0.996%	
	(d) Foot over Bridge						
Major Bridge works and ROB/RUB	C- New Major Bridges						
	(1) Foundation			0.000%			
	(a) Open Foundation			0.000%			
	(b) Pile Foundation/ Well Foundation						
	(i) Pile Foundation	Nos.	84	9.699%	84.00	9.699%	
	(2) Sub-structure	Nos.	84	4.576%	84.00	4.576%	
	(3) Super-structure (including crash barriers etc. complete)						
	(i) For MJB at Km. 107+400						
	(a) Casting of Superstructure (Box Segment)	Nos.	666	1.450%	666.00	1.450%	
	(b) Erection of Superstructure (Box Segment)	Nos.	666	1.050%	367.00	0.579%	
	(i) For other Major Bridges						
	(a) Super-structure (including crash barriers etc. complete)	Nos.	37	2.500%	29.20	1.973%	
	D- New rail-road bridges						
	(a) ROB						
	(1) Foundation	Nos.		0.000%			
	(2) Sub-structure	Nos.		0.000%			
	(3) Super-structure (including crash barriers etc. complete)	Nos.		0.000%			
	(b) RUB						
	(1) Foundation	Nos.		0.000%			
	(2) Sub-structure	Nos.		0.000%			
	(3) Super-structure (including crash barriers etc. complete)	Nos.		0.000%			
Structures (elevated sections, reinforced earth)	A- Elevated Structures						
	(1) Foundation	Nos.		0.000%			
	(2) Sub-structure	Nos.		0.000%			
	(3) Super-structure (including crash barriers etc. complete)	Nos.		0.000%			
	B- Reinforced earth Wall (includes Approaches of ROB, Underpasses, Overpasses, Flyover etc)	Sqm	196027	7.604%	61,561	2.388%	

Other Works	(i) Service roads/ Slip Roads	Km	53.19	4.690%	29.105	2.566%	
	(ii) Toll Plaza	Nos.	1	1.821%			
	(iii) Road side drains	Km	28.85	5.429%	11.450	2.155%	
	(iv) Road signs, markings, km stones, safety devices, ...						
	(a) Road signs, markings, km stones, ...	Km	100.96	2.558%	71.880	1.821%	
	(b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work						
	(i) Concrete Crash Barrier	Km	26.5	1.179%	8.660	0.385%	
	(ii) W-Beam Crash Barrier	Km	10.03	0.788%	4.182	0.329%	
	(v) Project facilities						
	(a) Bus Bays	No.	18	0.009%	6.000	0.003%	
	(b) Truck Lay-byes	No.		0.000%			
	(c) Rest areas	No.		0.000%			
	(vi)Repairs to bridges/structures	Nos.					
	(vii) Road side plantation	Km	23.66	0.451%	1.607	0.031%	
	(viii) Protection works						
	(a) Boulder pitching on slopes	Km	10.03	0.218%	2.856	0.062%	
	(b) Toe/Retaining wall	Km	10.03	0.000%			
	(x) Miscellaneous	Ls.	100%	0.164%			
	Total Progress			100.000%		73.44%	

Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

Strip Plan for MCW as on 31.05.2023



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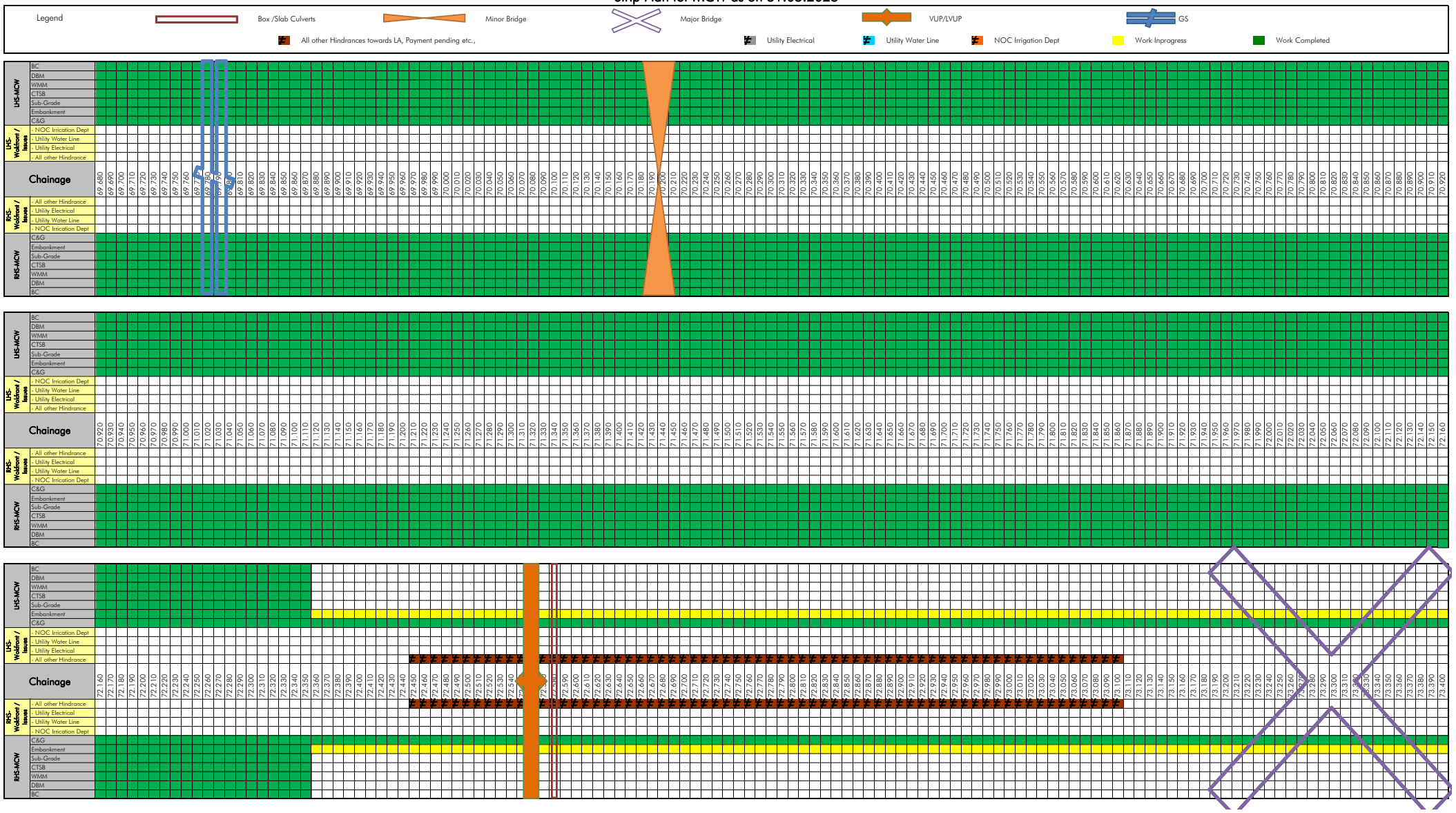
Sethiyahopu - Cholopuram Road Projects

Strip Plan for MCW as on 31.05.2023



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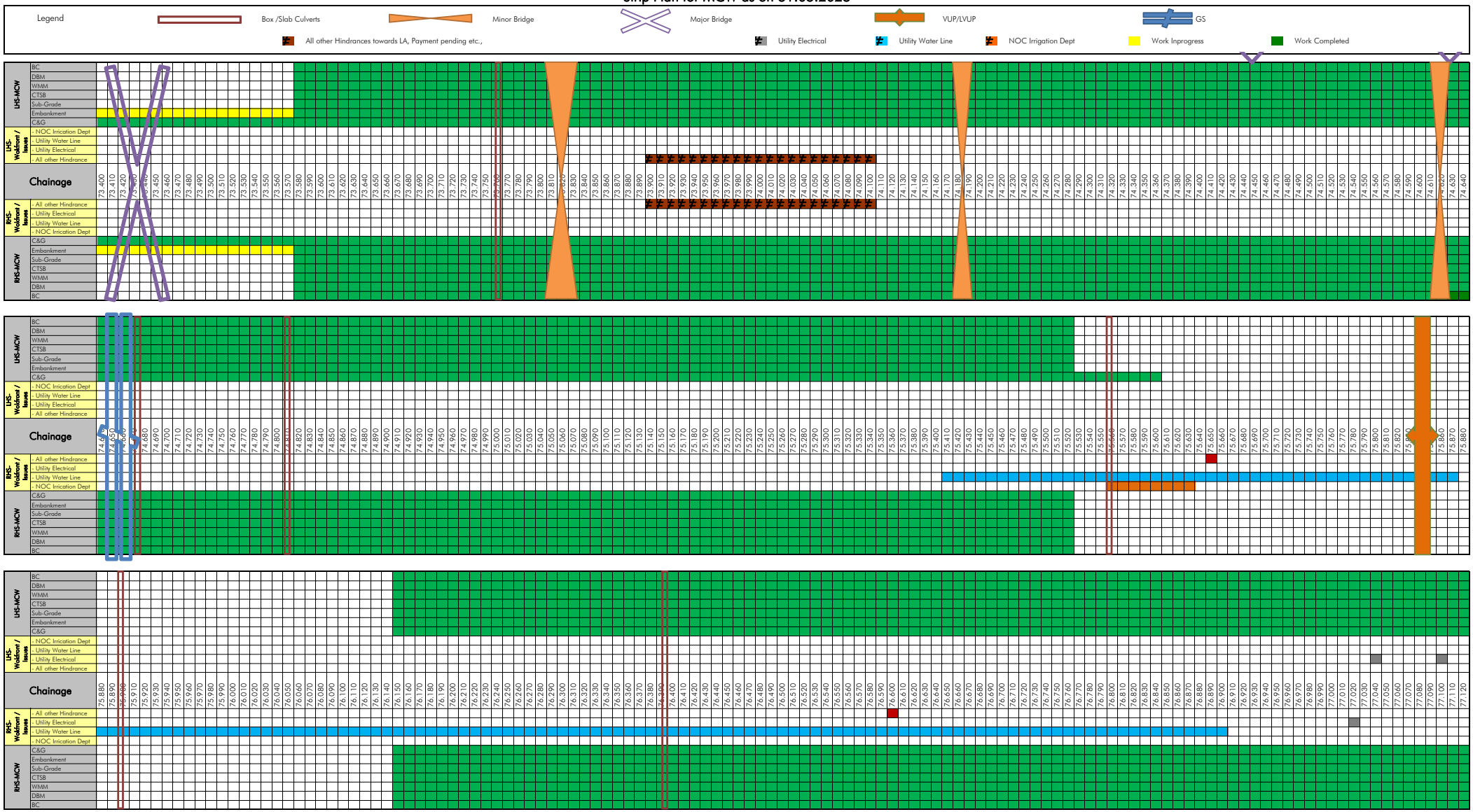
Sethiyahopu - Cholopuram Road Projects

Strip Plan for MCW as on 31.05.2023



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Sethiyahopu - Cholopuram Road Projects

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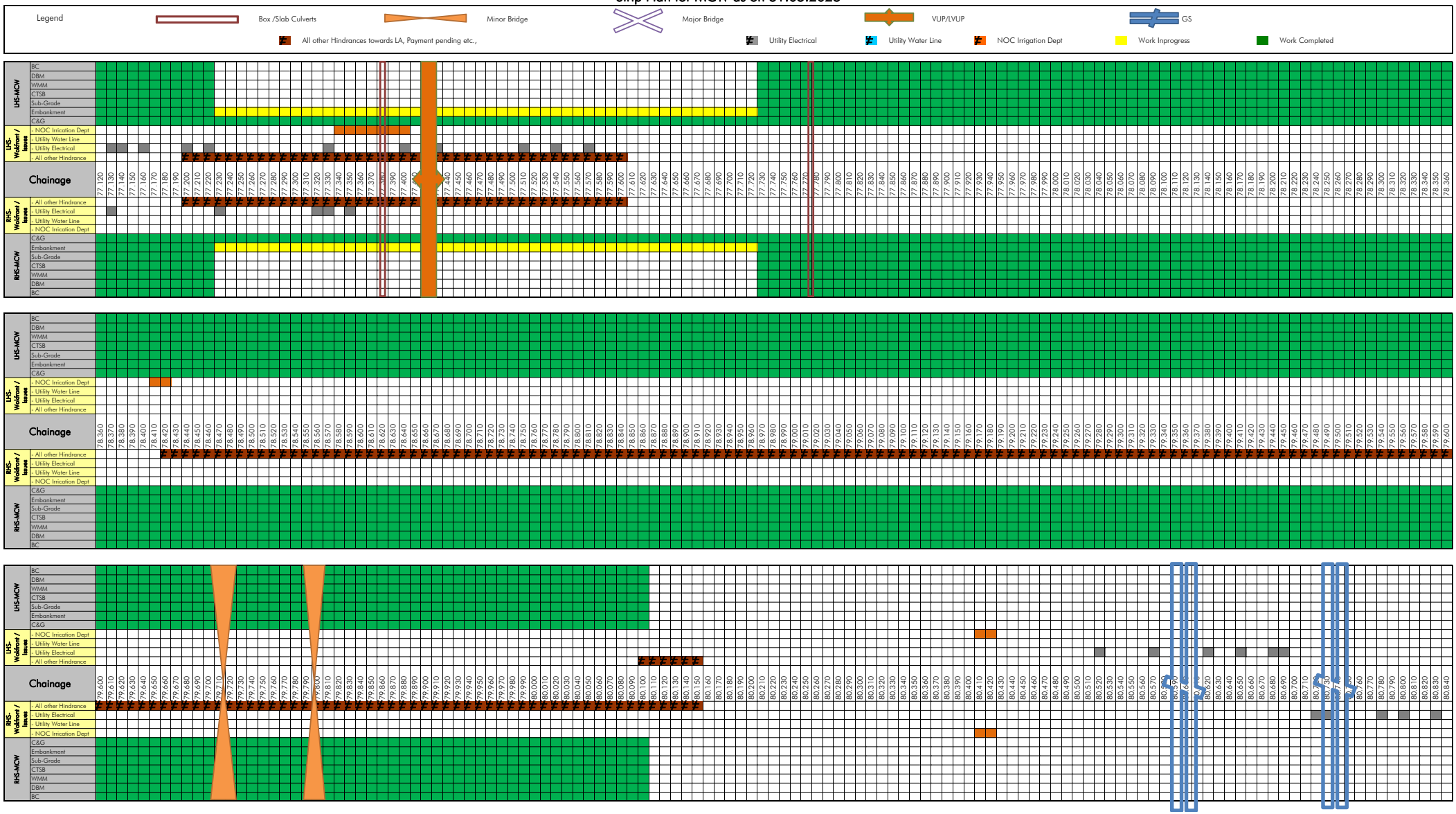

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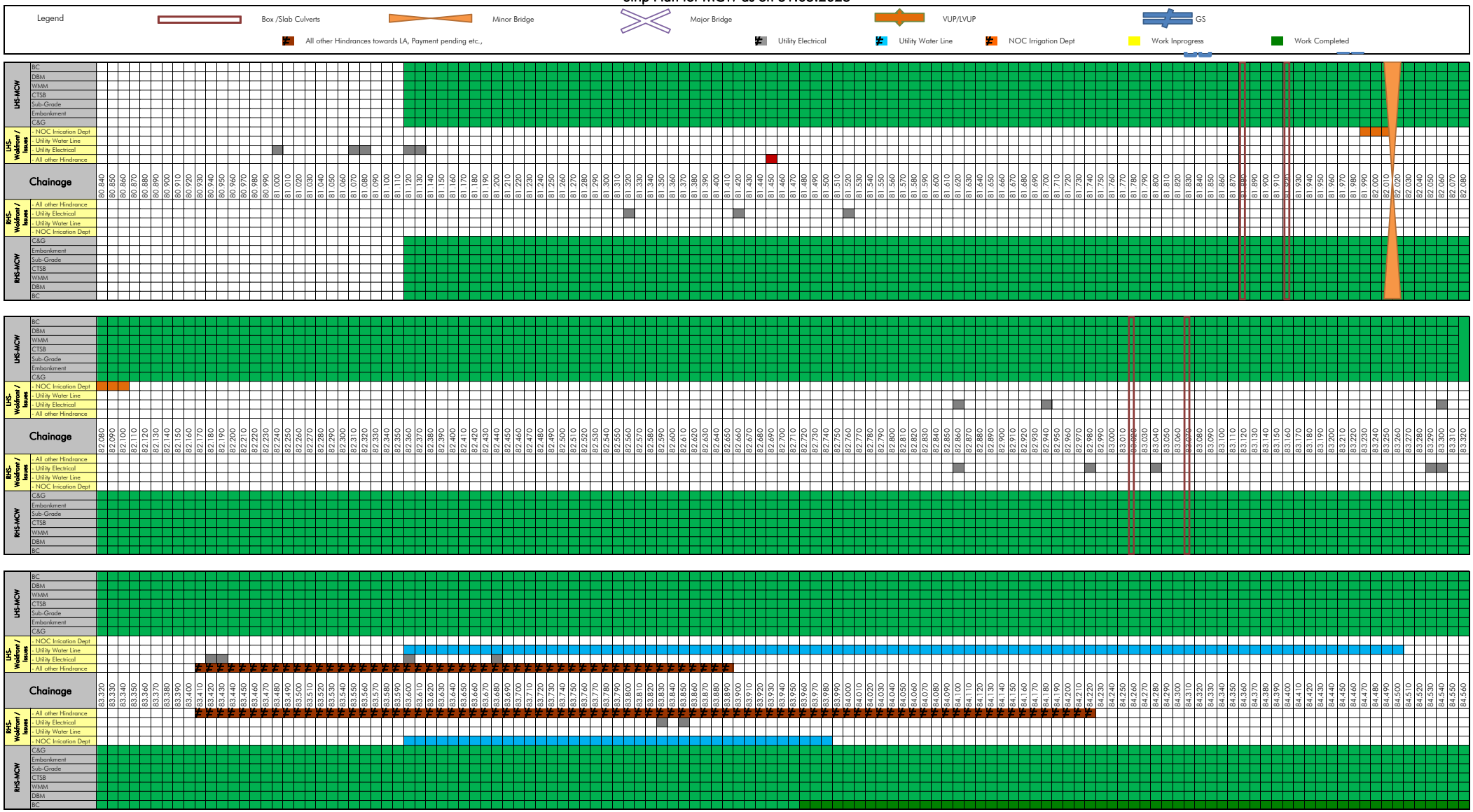
Sethiyahopu - Cholopuram Road Projects

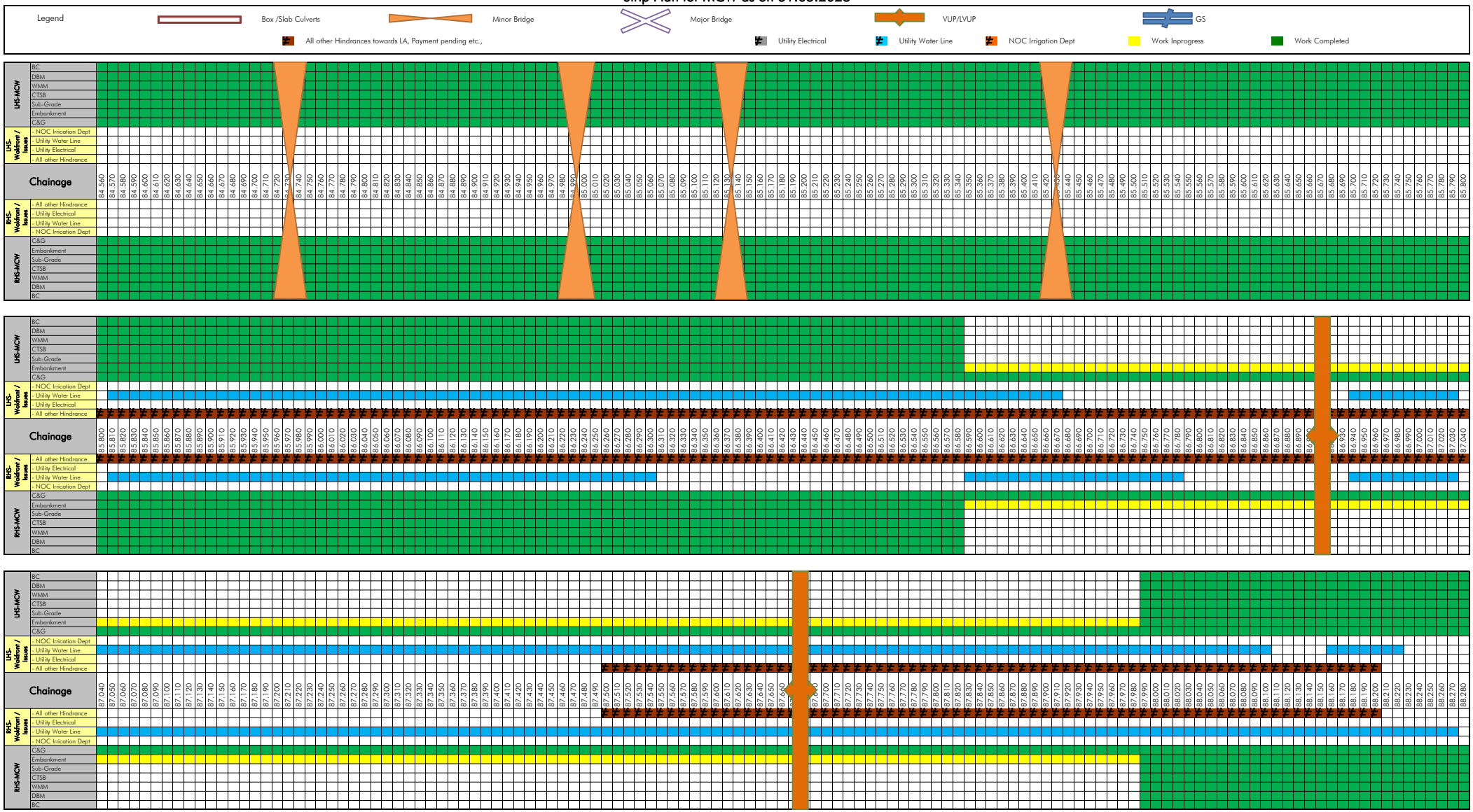
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

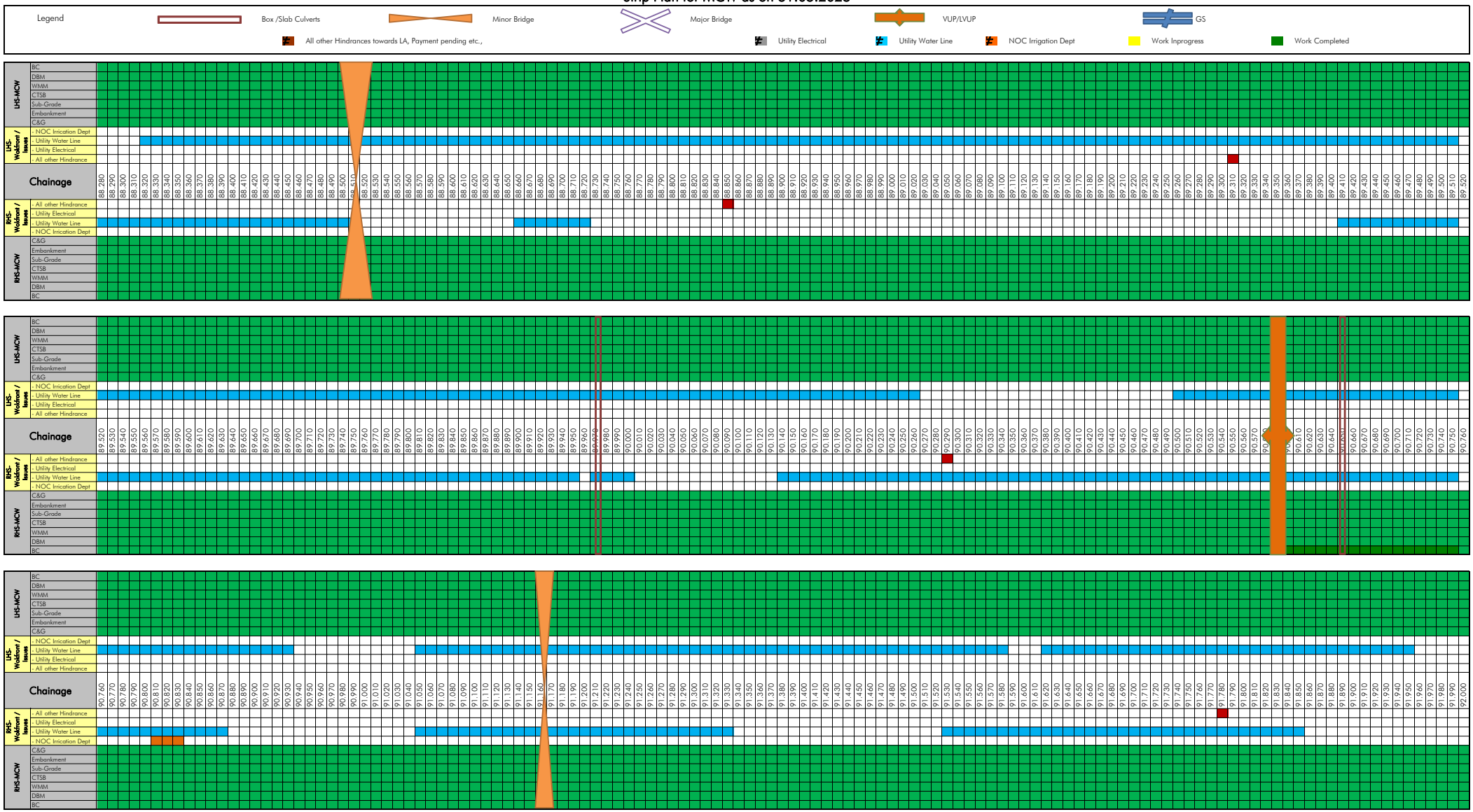
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

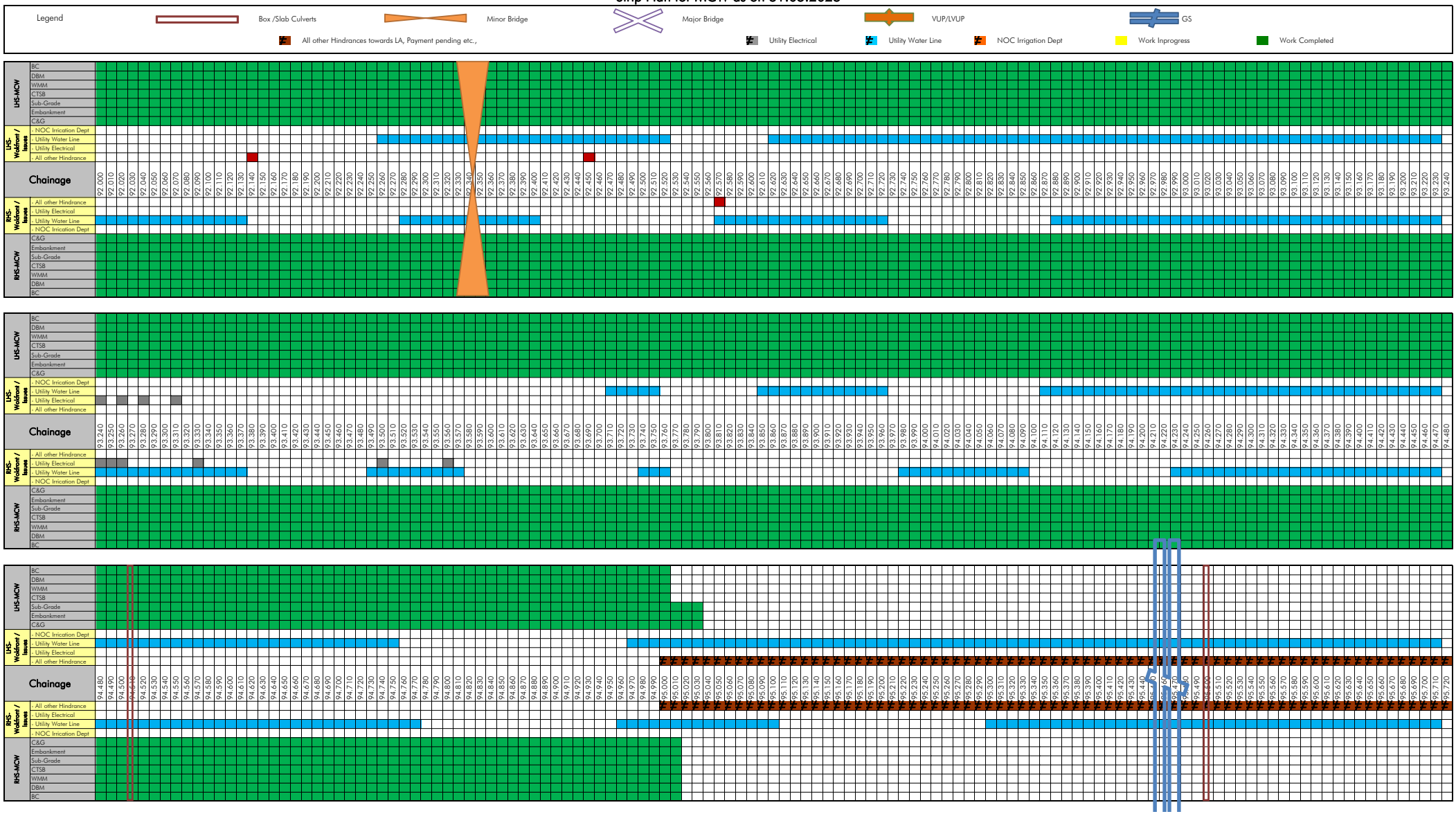
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

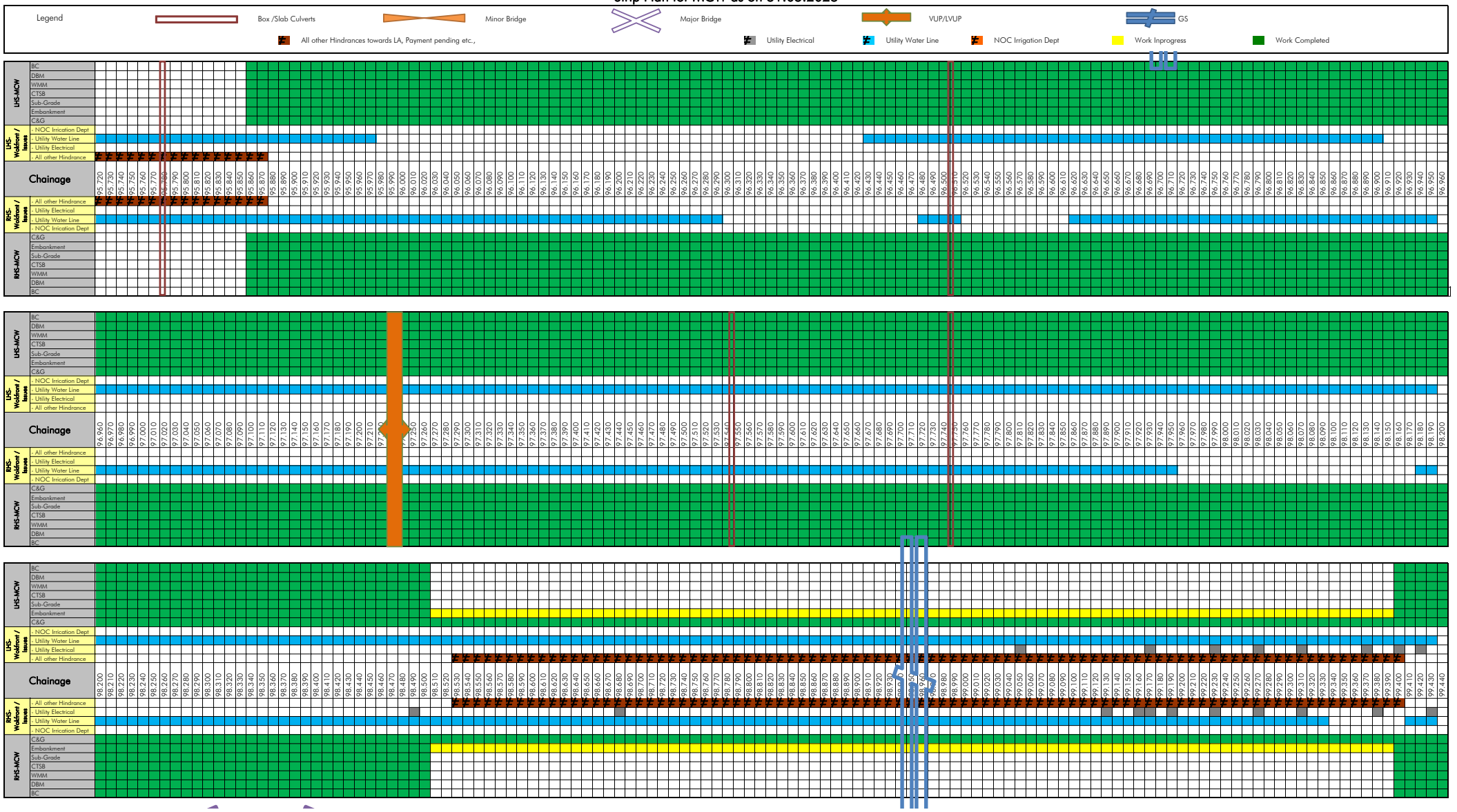
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

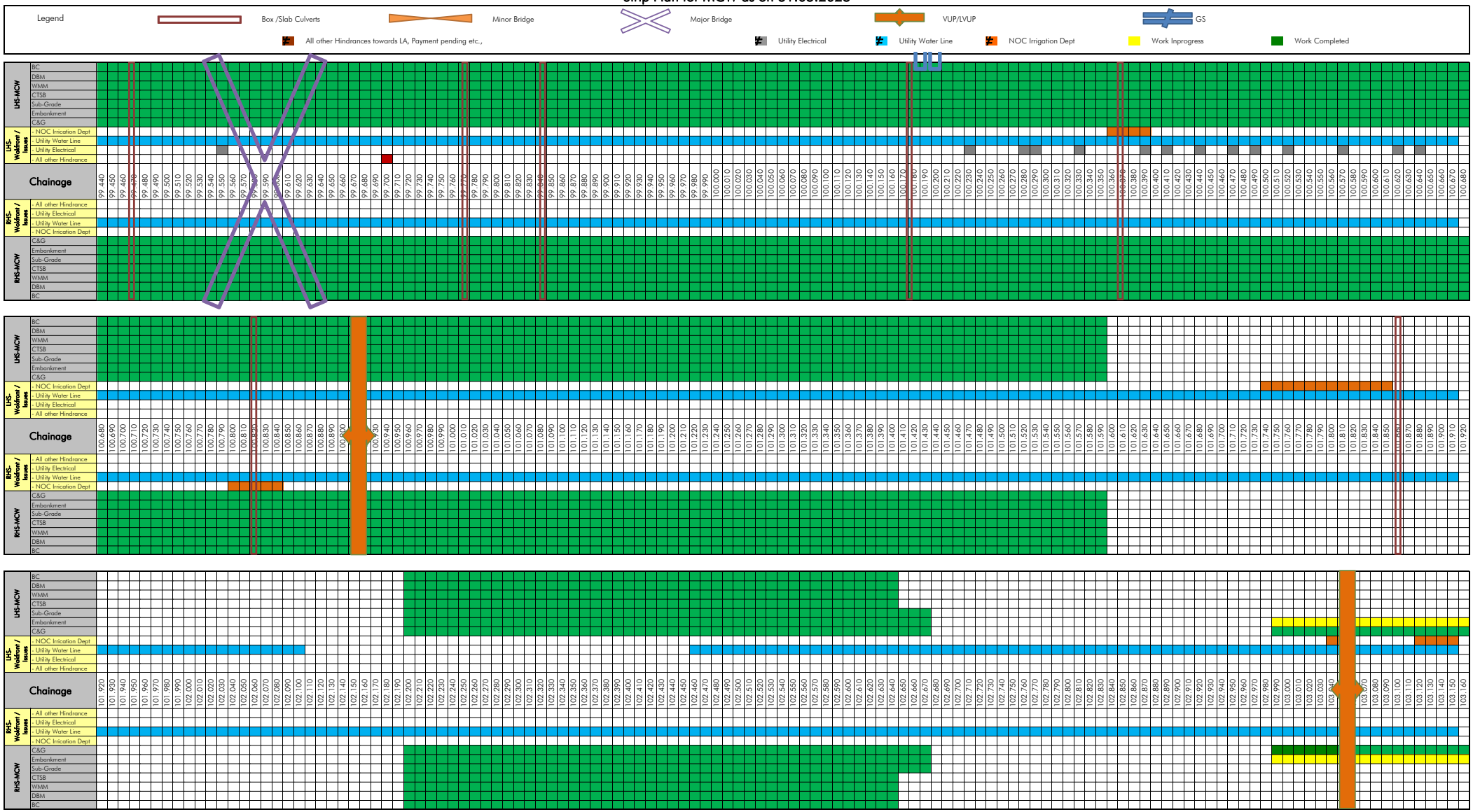
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

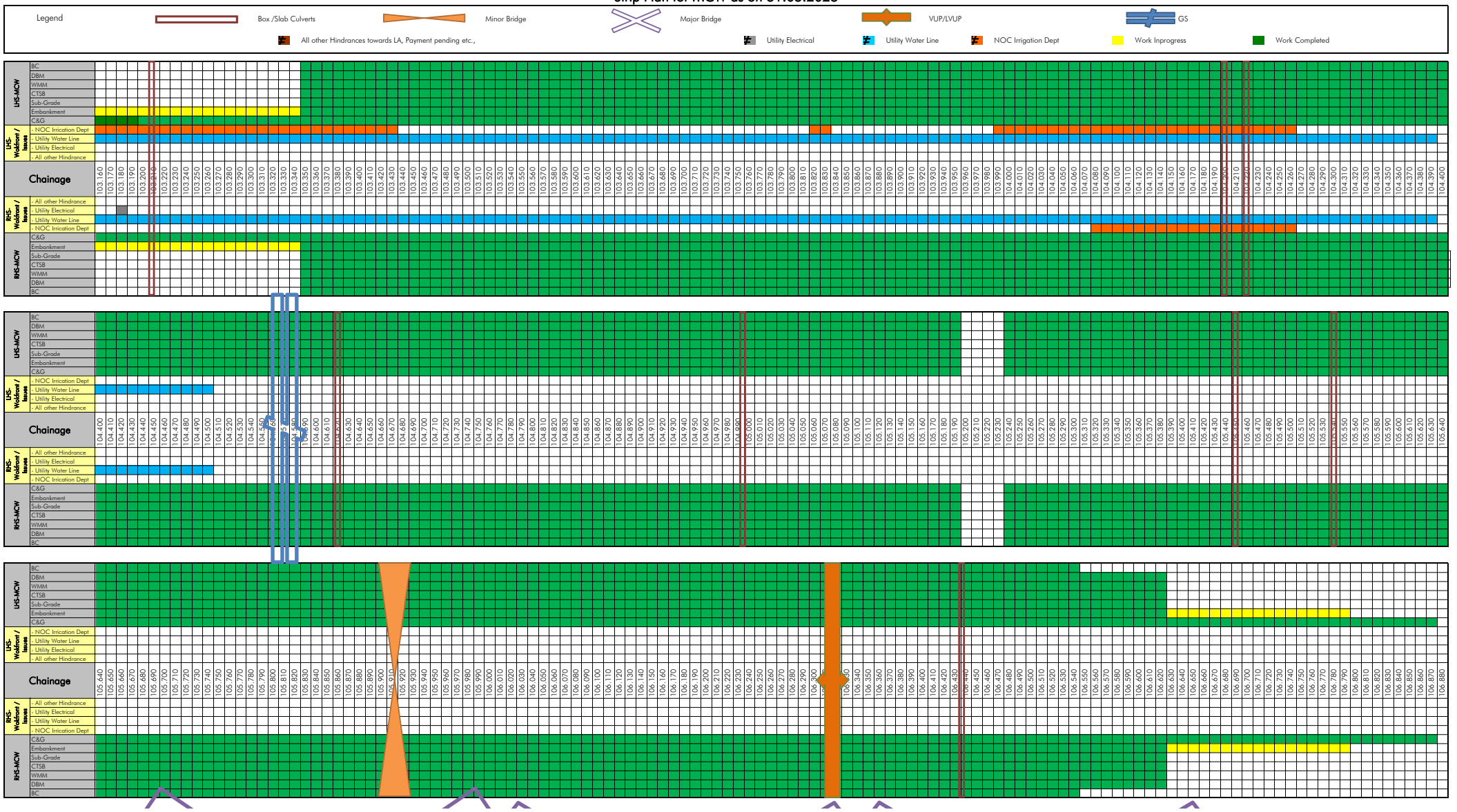
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

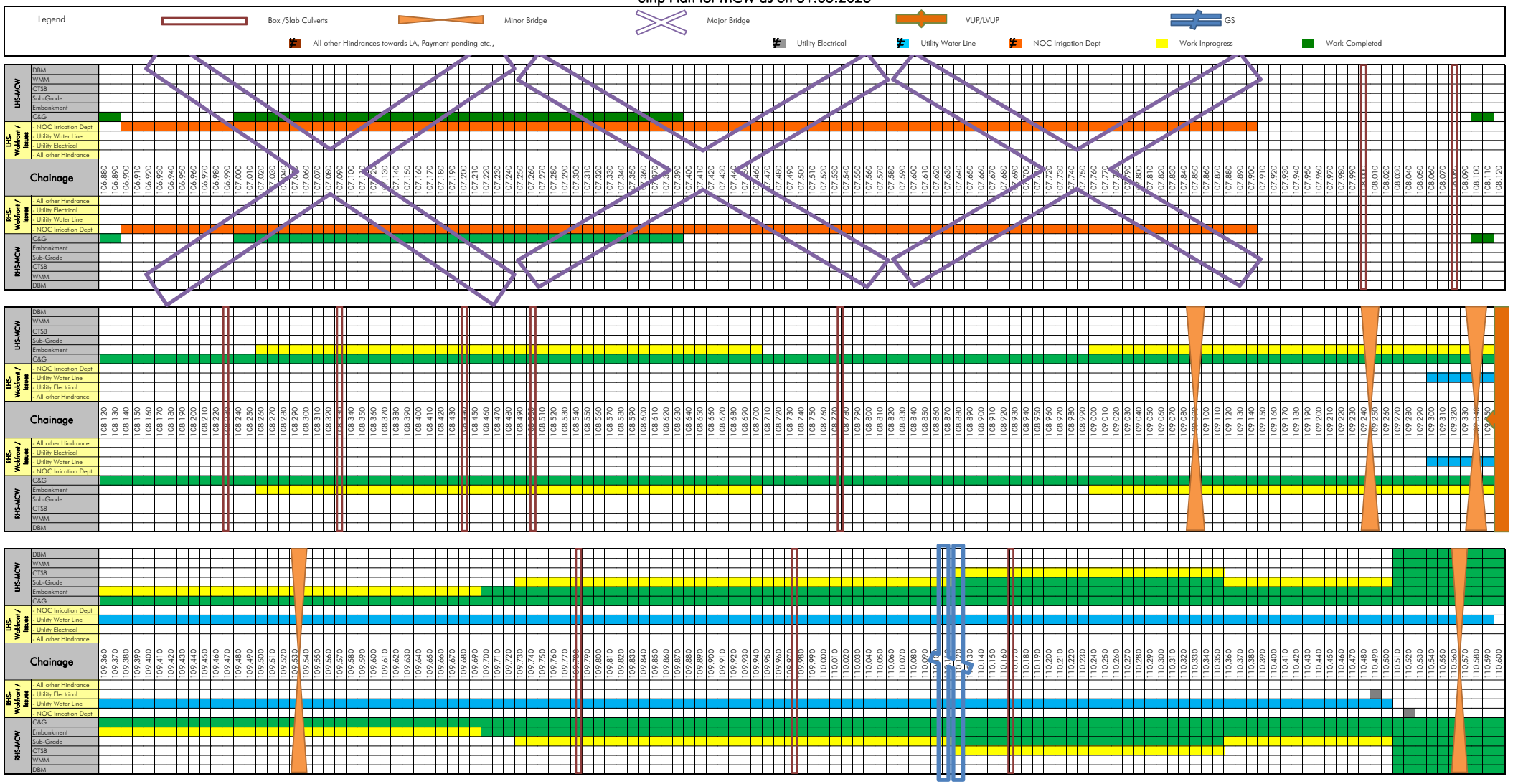
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

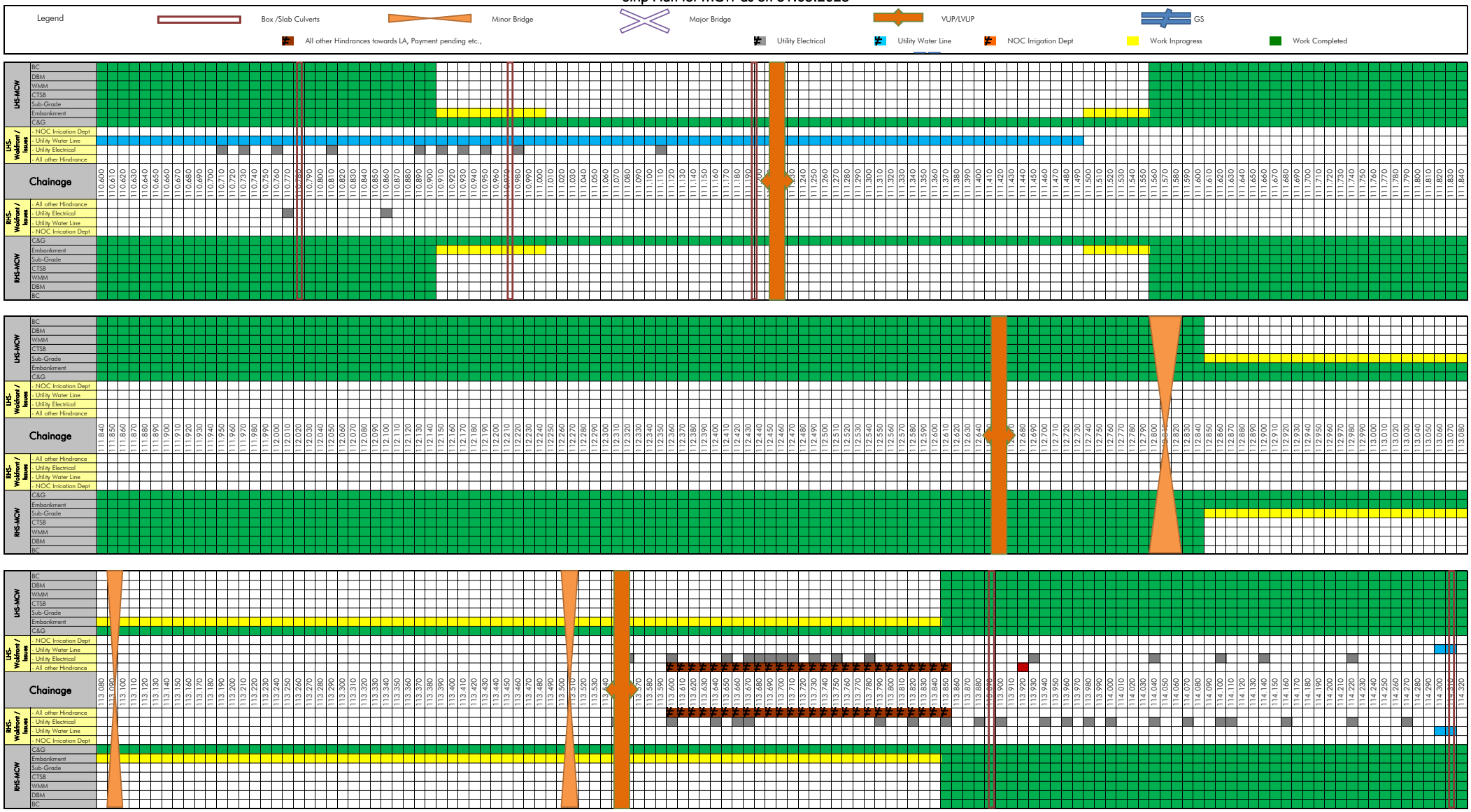
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

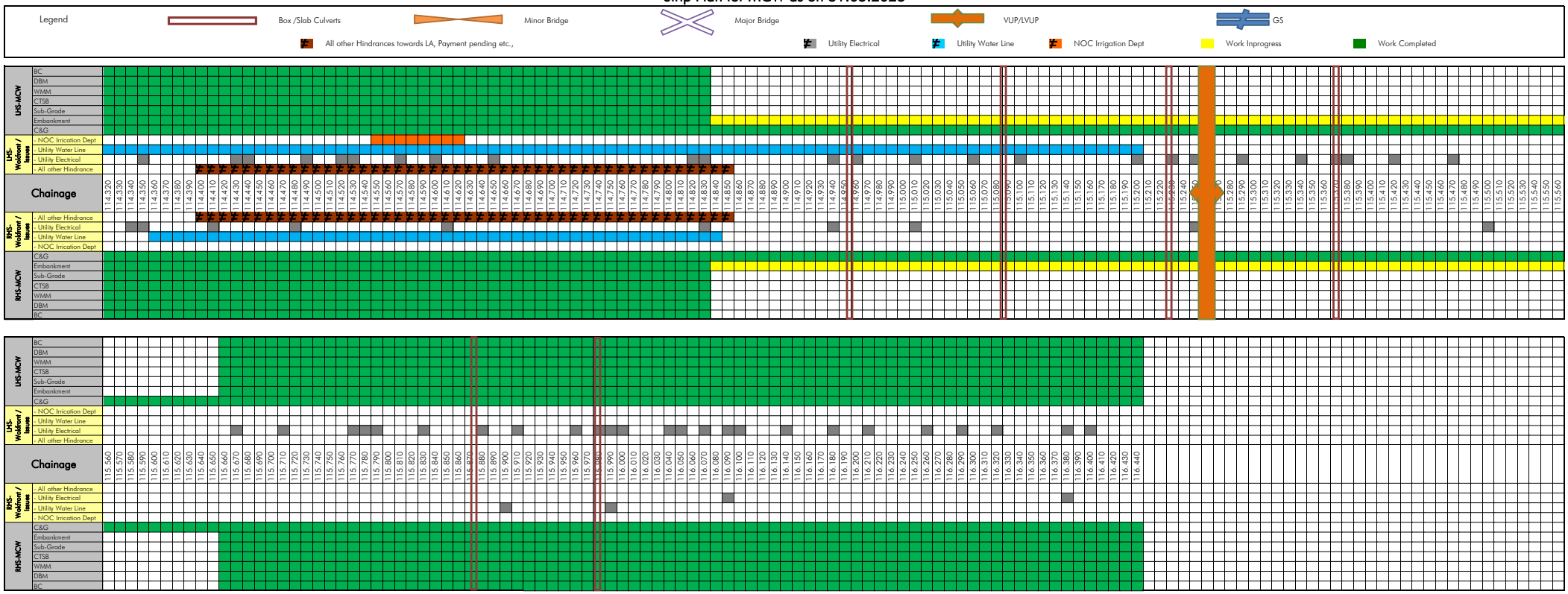
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

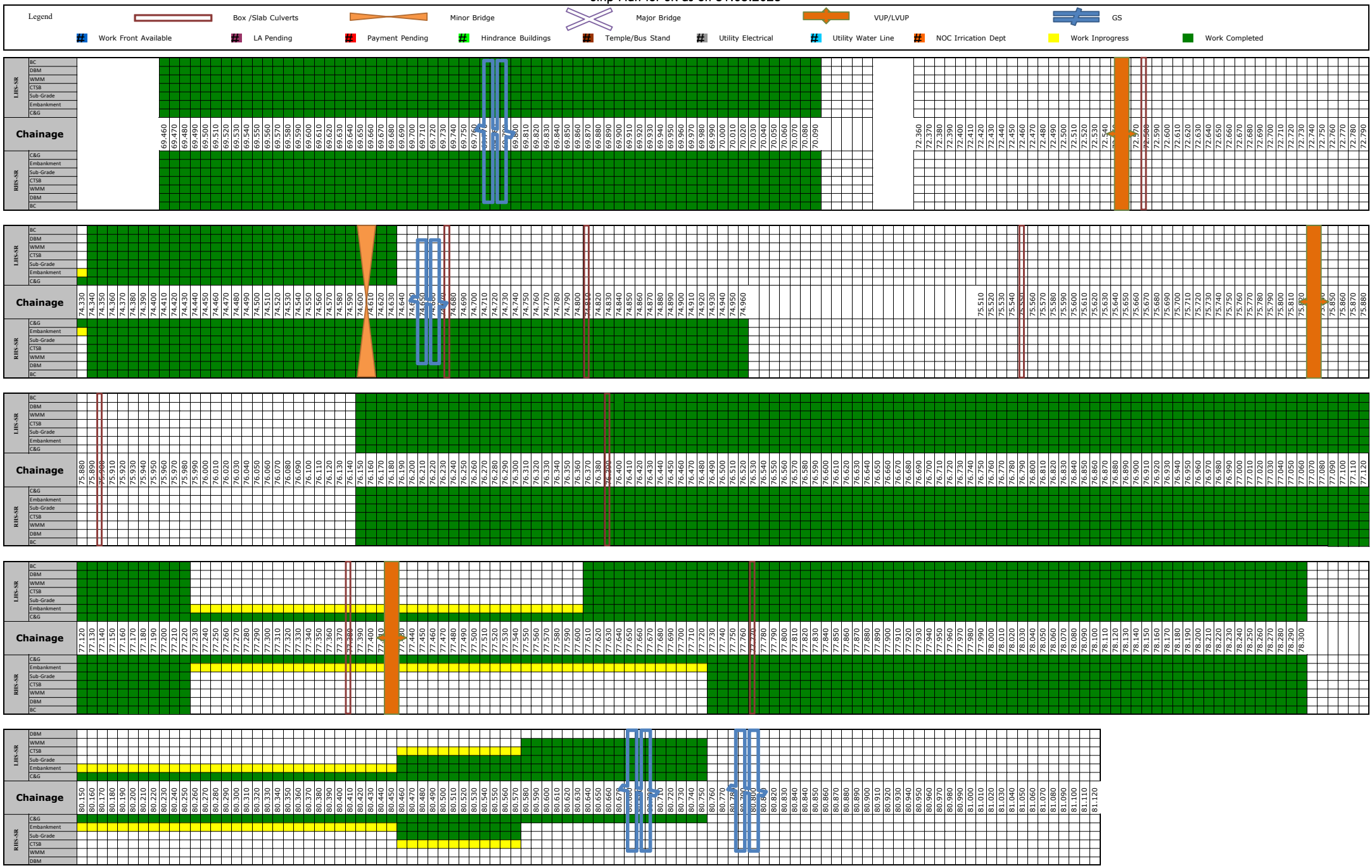
Strip Plan for MCW as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

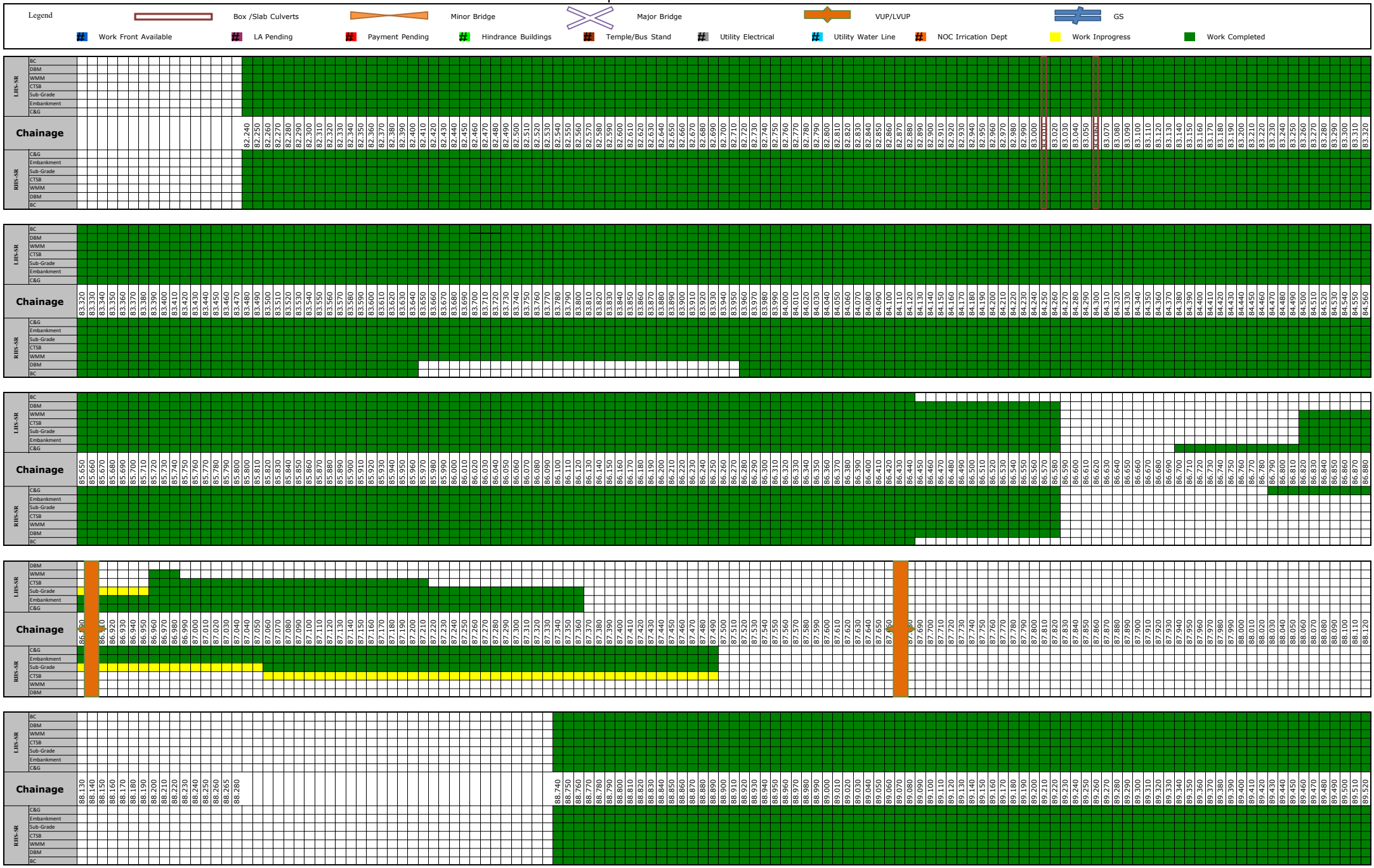
Strip Plan for SR as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

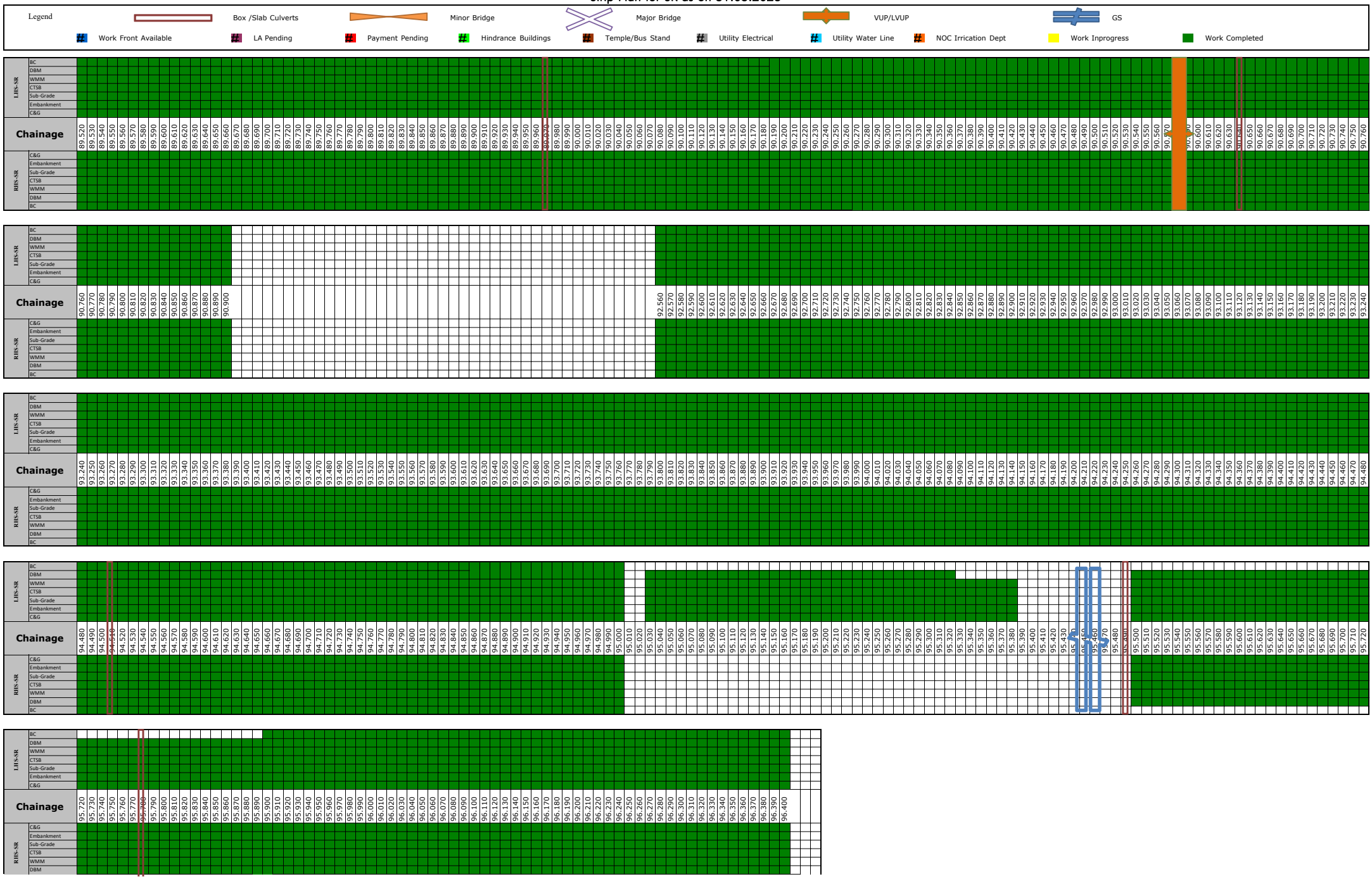
Strip Plan for SR as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

Strip Plan for SR as on 31.05.2023



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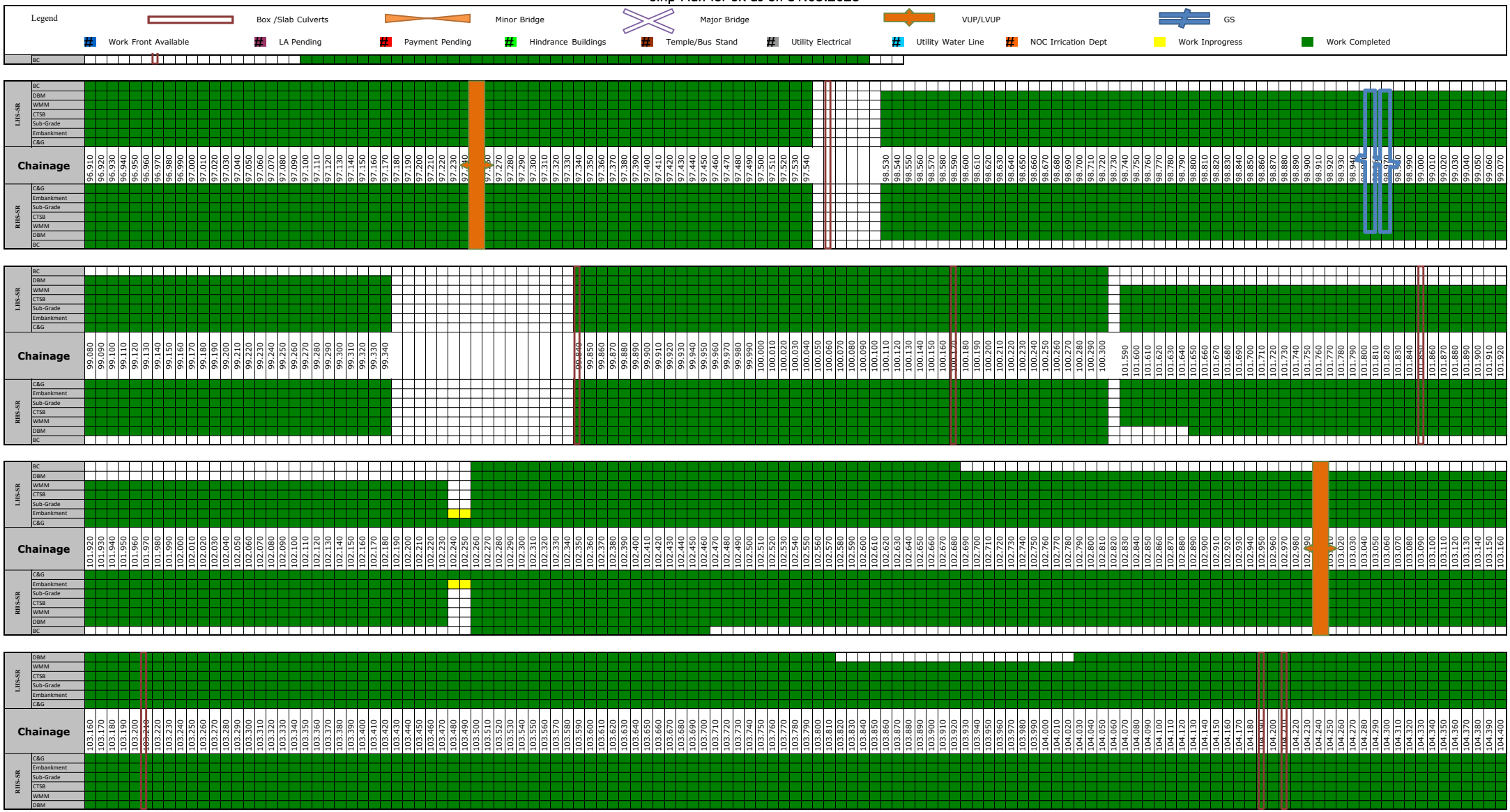
Sethiyahopu - Cholopuram Road Projects

Strip Plan for SR as on 31.05.2023



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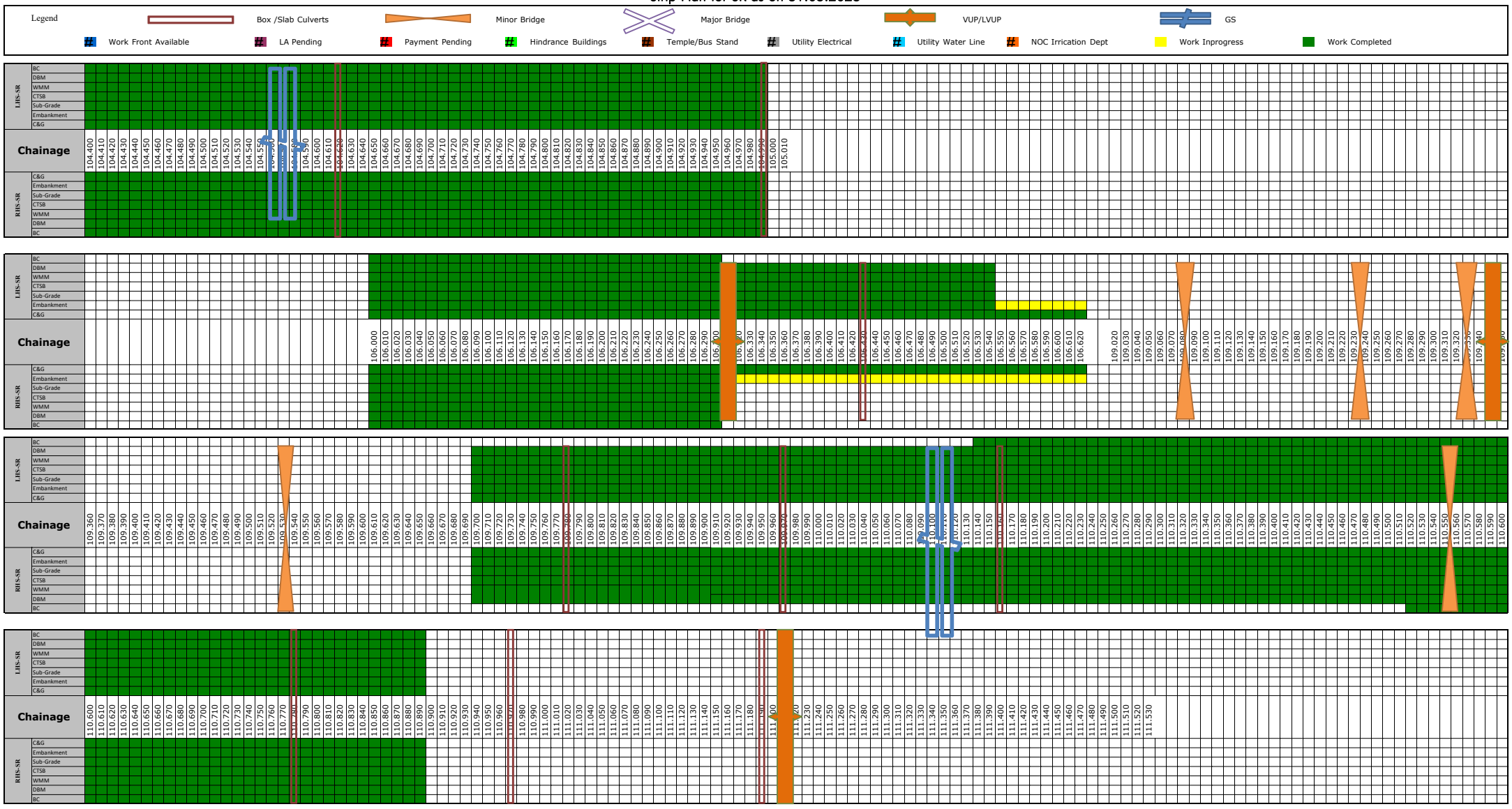
Sethiyahopu - Cholopuram Road Projects

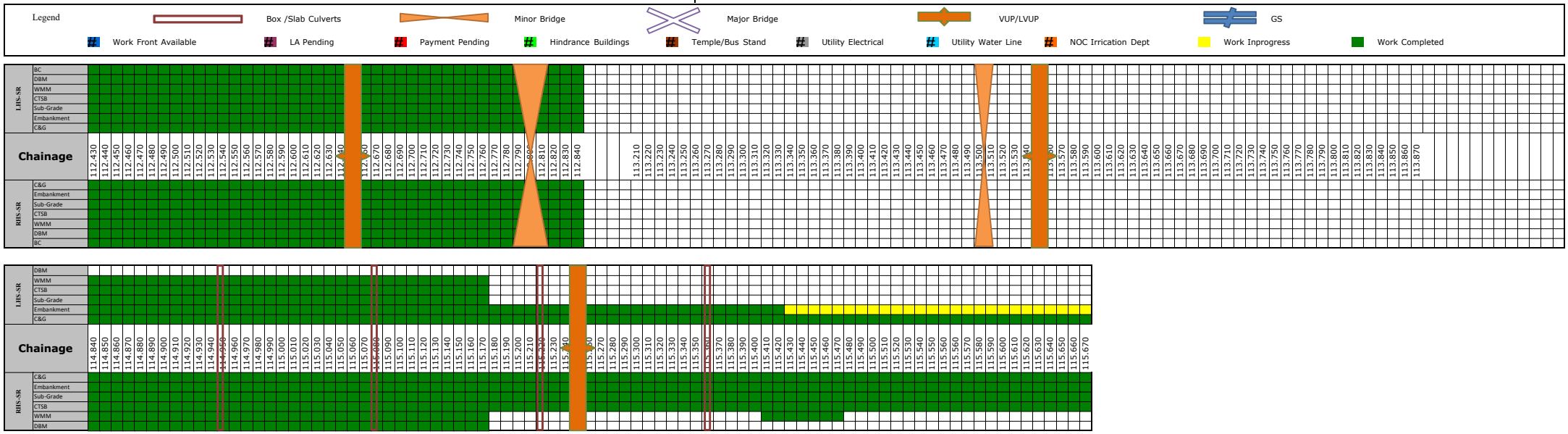
Strip Plan for SR as on 31.05.2023



Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

Strip Plan for SR as on 31.05.2023



SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF BOX CULVERTS ON EXISTING ROAD - MCW

Completed | In Progress

Status Upto: 31.05.2023

Sr. No.	As Approved by IE	Design Chainage As per CA		Number and Length of Spans (m)	Remarks	Type of Structure	LHS								RHS							
							Protection Work	Fly wing wall	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Fly wing wall	Protection Work
1	74+675	74.670	EXISTING	1 x 3.0m x 2.0m	New Construction	BOX CULVERT																
2	74+800	74.808	EXISTING	1 x 1.20m	Reconstruction	BOX CULVERT																
3	75+558	75.555	EXISTING	1x3.0m	Reconstruction	BOX CULVERT																
4	75+902	75.897	EXISTING	1 x 2.0m x 2.0m	Reconstruction	BOX CULVERT																
5	76+390	76.387	EXISTING	1 x 3.0m	Reconstruction	BOX CULVERT																
6	77+382	77.379	EXISTING	1 x 4.0m	Reconstruction	BOX CULVERT																
7	77+767	77.764	EXISTING	1 x 2.0m	Widening	BOX CULVERT																
8	81+868	81.867	EXISTING	1 x 2.0m x 2.0m	Reconstruction	BOX CULVERT																
9	81+913	81.910	EXISTING	1 x 1.95m x 1.0m	Widening	BOX CULVERT																
10	83+012	83.007	EXISTING	2 x 2.0m x 2.0m	Reconstruction	BOX CULVERT																
11	83+065	83.062	EXISTING	1 x 2.0m x 2.0m	Reconstruction	BOX CULVERT																
12	89+973	89.969	EXISTING	4 x 0.75m	Widening	BOX CULVERT																
13	90+640	90.637	EXISTING	1 x 1.20m	Reconstruction	BOX CULVERT																
14	94+509	94.509	EXISTING	1 x 3.6m x 1.6m	Widening	BOX CULVERT																
15	95+495	95.490	EXISTING	1 x 1.2m x 0.9m	Reconstruction	BOX CULVERT																
16	95+794	95.787	EXISTING	1 x 1.20m	Reconstruction	BOX CULVERT																
17	96+511	96.505	EXISTING	1 x 5.0m	Reconstruction	BOX CULVERT																
18	97+530	97.534	EXISTING	1x2.0m	Reconstruction	BOX CULVERT																
19	97+742	97.738	EXISTING	1 x 3.0m x 1.0m	Widening	BOX CULVERT																
20	99+471	99.467	EXISTING	1 x 3.0m x 4.0m	Repair & Widening	BOX CULVERT																
21	99+776	99.769	EXISTING	1 x 2.0m x 2.0m	Repair & Widening	BOX CULVERT																
22	99+840	99.838	EXISTING	1 x 1.5m x 1.5m	Repair & Widening	BOX CULVERT																
23	100+177	100.173	EXISTING	1 x 1m	Repair & Widening	BOX CULVERT																
24	100+364	100.358	EXISTING	1 x 10m	Repair & Widening	BOX CULVERT																
25	100+823	100.817	EXISTING	1 x 3.5m x 2.5m	Repair & Widening	BOX CULVERT																
26	101+251	COS	EXISTING	1 x 2.0m x 2.0m	New Construction	BOX CULVERT																
27	101+851	101.851	EXISTING	1 x 1.5m x 1.5m	Repair & Reconstruction	BOX CULVERT																
28	103+220	103.214	EXISTING	1 x 4.0m x 2.5m	Repair & Reconstruction	BOX CULVERT																
29	104+197	104.190	EXISTING	1 x 1.0m	Repair & Reconstruction	BOX CULVERT																
30	104+215	104.208	EXISTING	1 x 1.0m	Reconstruction	BOX CULVERT																
31	109+786	109.779	EXISTING	1 x 1.0m	Repair & Reconstruction	BOX CULVERT																
32	109+975	109.967	EXISTING	1 x 2.0m x 1.7m	Repair & Reconstruction	BOX CULVERT																
33	110+167	110.160	EXISTING	2 x 1.0m	Repair & Reconstruction	BOX CULVERT																
34	110+402	COS	EXISTING	1 x 1.5m		BOX CULVERT																
35	110+795	110.785	EXISTING	1 x 1.2m x 2.0m	Repair & Widening	BOX CULVERT																
36	110+980	110.971	EXISTING	1 x 1.5m x 2.0m	Repair & Reconstruction	BOX CULVERT																
37	113+897	113.885	EXISTING	1 x 1.0m	Repair & Widening	BOX CULVERT																
38	114+313	114.300	EXISTING	1 x 1.0m	Repair & Widening	BOX CULVERT																
39	114+703	114.703	EXISTING			BOX CULVERT																
40	114+954	114.952	EXISTING	1 x 1.0m	Repair & Reconstruction	BOX CULVERT																
41	115+097	115.087	EXISTING	2 x 1.0m	Repair & Reconstruction	BOX CULVERT																
42	115+232	115.221	EXISTING	1 x 2.0m x 2.0m	Repair & Reconstruction	BOX CULVERT																
43	115+381	115.368	EXISTING	1 x 2.0m	Repair & Reconstruction	BOX CULVERT																
44	115+884	115.872	EXISTING	2 x 1.0m	Repair & Widening	BOX CULVERT																
45	115+978	115.978	EXISTING	1 x 2.0m x 2.0m	Repair & Widening	BOX CULVERT																

SETHIYAHOPU CHOLOPURAM PROJECT -
STATUS OF BOX CULVERTS ON EXISTING ROAD - SERVICE ROAD

Completed | In Progress

Status Upto	31.05.2023						LHS								RHS							
Sr. No.	As Approved by IE	Design Chainage As per CA		Number and Length of Spans (m)	Remarks	Type of Structure	Protection Work	Fly wing wall	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Fly wing wall	Protection Work
1	74+675	74.670	EXISTING	1 x 3.0m x 2.0m	New Construction	BOX CULVERT																
2	74+800	74.808	EXISTING	1 x 1.20m	Reconstruction	PIPE CULVERT																
3	75+558	75.555	EXISTING	1x3.0m	Reconstruction	BOX CULVERT																
4	75+902	75.897	EXISTING	1 x 2.0m x 2.0m	Reconstruction	BOX CULVERT																
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8	83+012	83.007	EXISTING	2 x 2.0m x 2.0m	Reconstruction	BOX CULVERT																
9	83+065	83.062	EXISTING	1 x 2.0m x 2.0m	Reconstruction	BOX CULVERT																
10	89+973	89.969	EXISTING	4 x 0.75m	Widening	PIPE CULVERT																
11	90+640	90.637	EXISTING	1 x 1.20m	Reconstruction	PIPE CULVERT																
12	94+509	94.509	EXISTING	1 x 3.6m x 1.6m	Widening	BOX CULVERT																
13	95+495	95.490	EXISTING	1 x 1.2m x 0.9m	Reconstruction	BOX CULVERT																
14	95+794	95.787	EXISTING	1 x 1.20m	Reconstruction	PIPE CULVERT																
15	96+511	96.505	EXISTING	1 x 5.0m	Reconstruction	BOX CULVERT																
16	97+530	97.534	EXISTING	1x2.0m	Reconstruction	BOX CULVERT																
17	99+776	99.769	EXISTING	1 x 2.0m x 2.0m	Repair & Widening	BOX CULVERT																
18	99+840	99.838	EXISTING	1 x 1.5m x 1.5m	Repair & Widening	BOX CULVERT																
19	100+177	100.173	EXISTING	1 x 1m	Repair & Widening	PIPE CULVERT																
20	100+364	100.358	EXISTING	1 x 10m	Repair & Widening	BOX CULVERT																
21	101+851	101.851	EXISTING	1 x 1.5m x 1.5m	Repair & Reconstruction	BOX CULVERT																
22	103+220	103.214	EXISTING	1 x 4.0m x 2.5m	Repair & Reconstruction	BOX CULVERT																
23	104+197	104.190	EXISTING	1 x 1.0m	Repair & Reconstruction	PIPE CULVERT																
24	104+215	104.208	EXISTING	1 x 1.0m	Reconstruction	PIPE CULVERT																
25	109+786	109.779	EXISTING	1 x 1.0m	Repair & Reconstruction	PIPE CULVERT																
26	109+975	109.967	EXISTING	1 x 2.0m x 1.7m	Repair & Reconstruction	BOX CULVERT																
27	110+167	110.160	EXISTING	2 x 1.0m	Repair & Reconstruction	PIPE CULVERT																
28	110+402	COS	EXISTING	1 x 1.5m		BOX CULVERT																
29	110+795	110.785	EXISTING	1 x 1.2m x 2.0m	Repair & Widening	BOX CULVERT																
30	110+980	110.971	EXISTING	1 x 1.5m x 2.0m	Repair & Reconstruction	BOX CULVERT																
31	113+897	113.885	EXISTING	1 x 1.0m	Repair & Widening	PIPE CULVERT																
32	114+313	114.300	EXISTING	1 x 1.0m	Repair & Widening	PIPE CULVERT																
33	114+954	114.952	EXISTING	1 x 1.0m	Repair & Reconstruction	PIPE CULVERT																
34	115+097	115.087	EXISTING	2 x 1.0m	Repair & Reconstruction	PIPE CULVERT																
35	115+232	115.221	EXISTING	1 x 2.0m x 2.0m	Repair & Reconstruction	BOX CULVERT																
36	115+381	115.368	EXISTING	1 x 2.0m	Repair & Reconstruction	BOX CULVERT																
37	115+884	115.872	EXISTING	2 x 1.0m	Repair & Widening	PIPE CULVERT																
38	115+978	115.978	EXISTING	1 x 2.0m x 2.0m	Repair & Widening	BOX CULVERT																

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF BOX CULVERTS ON BYPASS - MCW							Completed								In Progress							
Status Upto	31.05.2023					LHS								RHS								
Sr. No.	As Approved by IE	Design Chainage As per CA		Number and Length of Spans (m)	Type of Structure	Protection Work	Fly wing wall	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Fly wing wall	Protection Work
1	66+357	66.383	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
2	67+068	67.068	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
3	69+357	69.357	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
4	72+570	72.578	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
5	73+755	73.755	BYPASS	1x1.2.0mx2.0m	PIPE CULVERT																
6	104+622	104.618	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
7	104+998	104.992	BYPASS	1 x 4.0m x 2.0m	BOX CULVERT																
8	105+440	105.440	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
9	105+536	105.525	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
10	106+442	106.432	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
11	108+002	107.994	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
12	108+080	108.070	BYPASS	1 x 4.0m x 2.0m	BOX CULVERT																
13	108+225	108.225	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
14	108+345	108.334	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
15	108+441	108.441	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
16	108+540	108.500	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
17	108+767	108.767	BYPASS	1 x 4.0m x 2.0m	BOX CULVERT																
18	111+205	111.196	BYPASS	1 x 1.0m	PIPE CULVERT																
19	113+372	113.372	BYPASS		BOX CULVERT																

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF BOX CULVERTS ON BYPASS - SERVICE ROAD							Completed								In Progress							
Status Upto	31.05.2023					LHS								RHS								
Sr. No.	As Approved by IE	Design Chainage As per CA		Number and Length of Spans (m)	Type of Structure	Protection Work	Fly wing wall	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Fly wing wall	Protection Work
1	72+570	72.578	BYPASS	1 x 3.0m x 2.0m	BOX CULVERT																
2	104+622	104.618	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
3	104+998	104.992	BYPASS	1 x 4.0m x 2.0m	BOX CULVERT																
4	106+442	106.432	BYPASS	1 x 2.0m x 2.0m	BOX CULVERT																
5	111+205	111.196	BYPASS	1 x 1.0m	PIPE CULVERT																
6	113+372	113.372	BYPASS		BOX CULVERT																

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF MNB-BOX TYPE - MCW							Completed									In Progress							
Status Upto	31.05.2023					LHS								RHS									
Sr. No.	As Approved by IE	Design Chainage As per CA	Number and Length of Spans (m)	Type of Structure		Protection Work	Retaining wall	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Retaining wall	Protection Work
1	79+716	79.715	1 x 12.50m	MNBB	Widening																
2	79+795	79.795	2 x 12.50m	MNBB	Re-Const.																
3	82+007	82.006	2 x 12.50m	MNBB	Widening																
4	85+144	85.144	2 x 12.50m	MNBB	Re-Const.																
5	85+435	85.432	1 x 12.50m	MNBB	Widening																
6	88+513	88.513	1 x 12.50m	MNBB	Widening																
7	91+164	91.165	2 x 12.50m	MNBB	Re-Const.																
8	92+343	92.342	1 x 12.50m	MNBB	Widening																
9	101+101	101.100		MNBB	EXISTING									NA	NA	NA	NA	NA	NA	NA	
10	66+757	66.730	2 x 12.5m	MNBB	BYPASS																
11	68+644	68.650	2 x 12.5m	MNBB	BYPASS																
12	72+820	COS	1 x 10.00m	MNBB	BYPASS																
13	74+173	74.175	2 x 12.5m	MNBB	BYPASS																
14	74+605	74.600	2 x 12.5m	MNBB	BYPASS																
15	105+915	105.915	2 x 12.5m	MNBB	BYPASS																
16	109+090	109.088	2 x 12.5m	MNBB	BYPASS																
17	109+195	109.208	2 x 12.5m	MNBB	BYPASS																
18	109+365	109.365	2 x 12.5m	MNBB	BYPASS																
19	109+540	109.540	2 x 12.5m	MNBB	BYPASS																
20	111+563	111.565	2 x 12.5m	MNBB	BYPASS																
21	112+807	112.807	1 x 25m	MNBB	BYPASS																
22	113+100	113.100	2 x 12.5m	MNBB	BYPASS																
23	113+505	113.505	2 x 12.5m	MNBB	BYPASS																

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF MNB-BOX TYPE - SERVICE ROAD							Completed								In Progress							
Status Upto	31.05.2023					LHS								RHS								
Sr. No.	As Approved by IE	Design Chainage As per CA	Number and Length of Spans (m)	Type of Structure		Protection Work	Retaining wall	Slab	Wall	Raft	PCC	Granular Filling	Excavation	Excavation	Granular Filling	PCC	Raft	Wall	Slab	Retaining wall	Protection Work
1	74+605	74.600	2 x 12.5m	MNBB	BYPASS																
2	105+915	105.915	2 x 12.5m	MNBB	BYPASS																
3	109+090	109.088	2 x 12.5m	MNBB	BYPASS																
4	109+195	109.208	2 x 12.5m	MNBB	BYPASS																
5	109+365	109.365	2 x 12.5m	MNBB	BYPASS																
6	109+540	109.540	2 x 12.5m	MNBB	BYPASS																
7	111+563	111.565	2 x 12.5m	MNBB	BYPASS																
8	112+807	112.807	1 x 25m	MNBB	BYPASS																
9	113+100	113.100	2 x 12.5m	MNBB	BYPASS																
10	113+505	113.505	2 x 12.5m	MNBB	BYPASS																

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF LVUP						Completed						In Progress					
Status Upto	31.05.2023				LHS						RHS						
Sr. No.	As Approved by IE	Number and Length of Spans (m)	Type of Structure		Protection Work	Slab	Wall	Raft	PCC	Excavation	Excavation	PCC	Raft	Wall	Slab	Protection Work
1	77+420	1X10.5	LVUP	EXISTING												
2	112+643	1X10.5	LVUP	BYPASS												

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF MNB - GIRDER TYPE					Completed										In Progress									
Status upto	31.05.2023				LHS										RHS									
Sr. No.	MNB at Chainage	Span			Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap /Abtcap	Pier/Abt	Open Foundation	PCC	Excavation		Excavation	PCC	Open Foundation	Pier/Abt	Piercap /Abtcap	Girder Casting	Girder Launching	Slab	Crash Barrier	
1	70+185	2 x 20	BYPASS	A1																				
				P1																				
				A2																				
2	73+815	1 x 15	BYPASS	A1																				
				A2																				
3	84+725	1 x 15	EXISTING	A1																				
				A2																				
4	84+987	2 x 15	EXISTING	A1																				
				P1																				
				A2																				

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF MJB																		
MJB at Chainage 66+530 (8x30) - BYPASS																		
Status Upto 31.05.2023	LHS/LSR								RHS/RSR									
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier		
A1																		
P1																		
P2																		
P3																		
P4																		
P5																		
P6																		
P7																		
A2																		

Completed

In Progress

MJB at Chainage 73+340 (9x30) - BYPASS																		
Status Upto 31.05.2023	LHS/LSR								RHS/RSR									
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier		
A1																		
P1																		
P2																		
P3																		
P4																		
P5																		
P6																		
P7																		
P8																		
A2																		

Completed

In Progress

MJB at Chainage 99+583 (3x25) - EXISTING ROAD

Completed

In Progress

Status Upto 31.05.2023	LHS/LSR								RHS/RSR							
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier
A1									Existing Major Bridge need to be retained.							
P1																
P2																
A2																

MJB at Chainage 107+400 - BYPASS

Completed

In Progress

Status Upto 31.05.2023	LHS/LSR								RHS/RSR							
	Crash Barrier	Slab	Girder Launching	Girder Casting	Pier Cap/Abt Cap	Pier/Abt	Pile Cap	Pile	Pile	Pile Cap	Pier/Abt	Pier Cap/Abt Cap	Girder Casting	Girder Launching	Slab	Crash Barrier
A1																
P1																
P2																
P3																
P4																
P5																
P6																
P7																
P8																
P9																
P10																
P11																
P12																
P13																
P14																
P15																
P16																
P17																
P18																
P19																
A2																

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF FLYOVER					Completed									In Progress								
Status upto	31.05.2023				LHS									RHS								
Sr.No.	FO at Chainage	Span			Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap /Abtcap	Abt Shaft	Pile Cap	PCC	Pile	Pile	PCC	Pile Cap	Abt Shaft	Piercap /Abtcap	Girder Casting	Girder Launching	Slab	Crash Barrier
1	69+785	1x30	BYPASS	A1																		
				A2																		
2	74+655	1x30	BYPASS+EXISTING	A1																		
				A2																		
3	80+556	1x30	EXISTING	A1																		
				A2																		
4	80+720	1x30	EXISTING	A1	Negative Change of Scope									Negative Change of Scope								
				A2																		
5	95+455	2x30	EXISTING	A1																		
				P1																		
				A2																		
6	98+950	2x30	EXISTING	A1																		
				P1																		
				A2																		
7	104+570	1x30	BYPASS	A1																		
				A2																		
8	110+110	1x30	EXISTING	A1																		
				A2																		

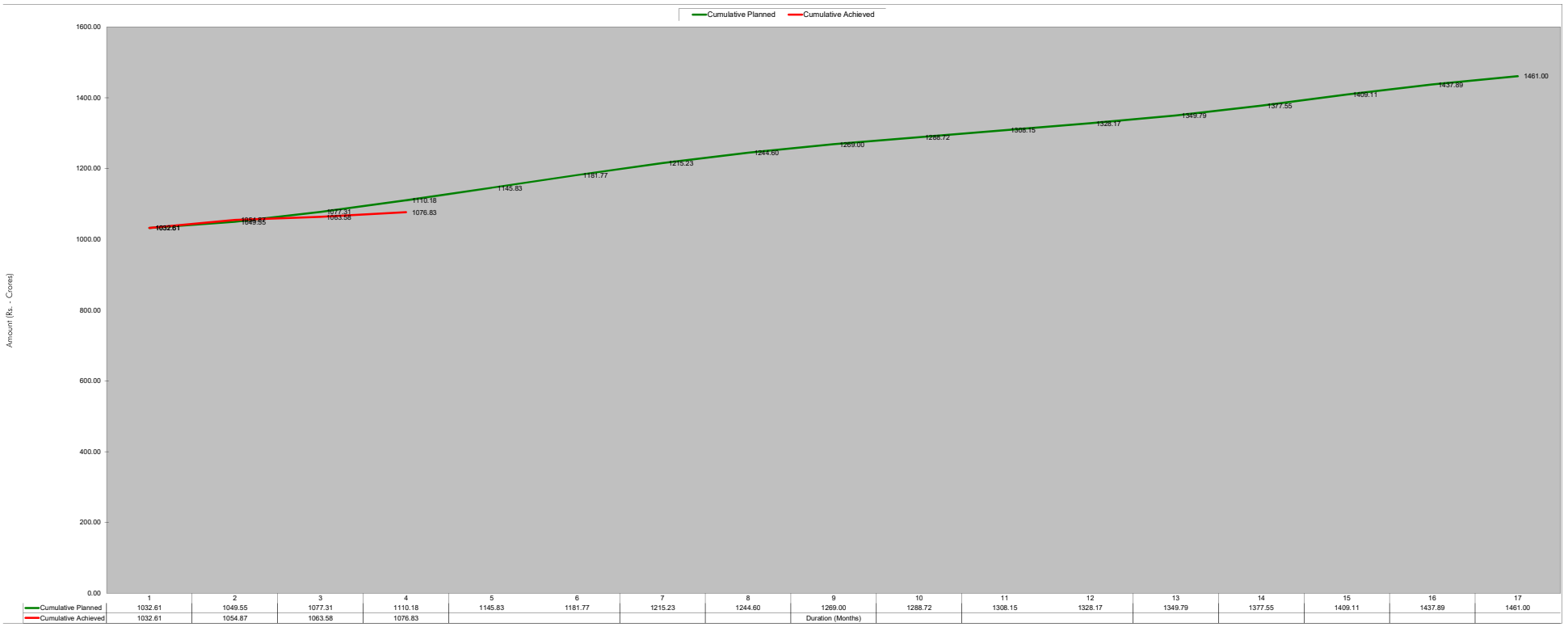
SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF VUP					Completed									In Progress								
Status upto	31.05.2023				LHS									RHS								
SR.NO.	VUP at Chainage	Span			Crash Barrier	Slab	Girder Launching	Girder Casting	Piercap /Abtcap	Abt Shaft	Pile Cap	PCC	Pile	Pile	PCC	Pile Cap	Abt Shaft	Piercap /Abtcap	Girder Casting	Girder Launching	Slab	Crash Barrier
1	72+545	1x25	BYPASS	A1																		
				A2																		
2	75+830	1x25	EXISTING	A1																		
				A2																		
3	86+900	1x25	EXISTING	A1																		
				A2																		
4	87+670	1x25	EXISTING	A1																		
				A2																		
5	90+580	1x25	EXISTING	A1																		
				A2																		
6	97+225	1x25	EXISTING	A1																		
				A2																		
7	101+910	1x25	EXISTING	A1																		
				A2																		
8	102+975	1x25	EXISTING	A1																		
				A2																		
9	106+318	1x25	BYPASS	A1																		
				A2																		
10	109+350	1x25	BYPASS	A1																		
				A2																		
11	111+235	1x25	BYPASS+EXISTING	A1																		
				A2																		
12	113+550	1x25	BYPASS+EXISTING	A1										Negative Change of Scope								
				A2																		
13	115+258	1x25	EXISTING	A1																		
				A2																		

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

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

Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to 116.440 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode.

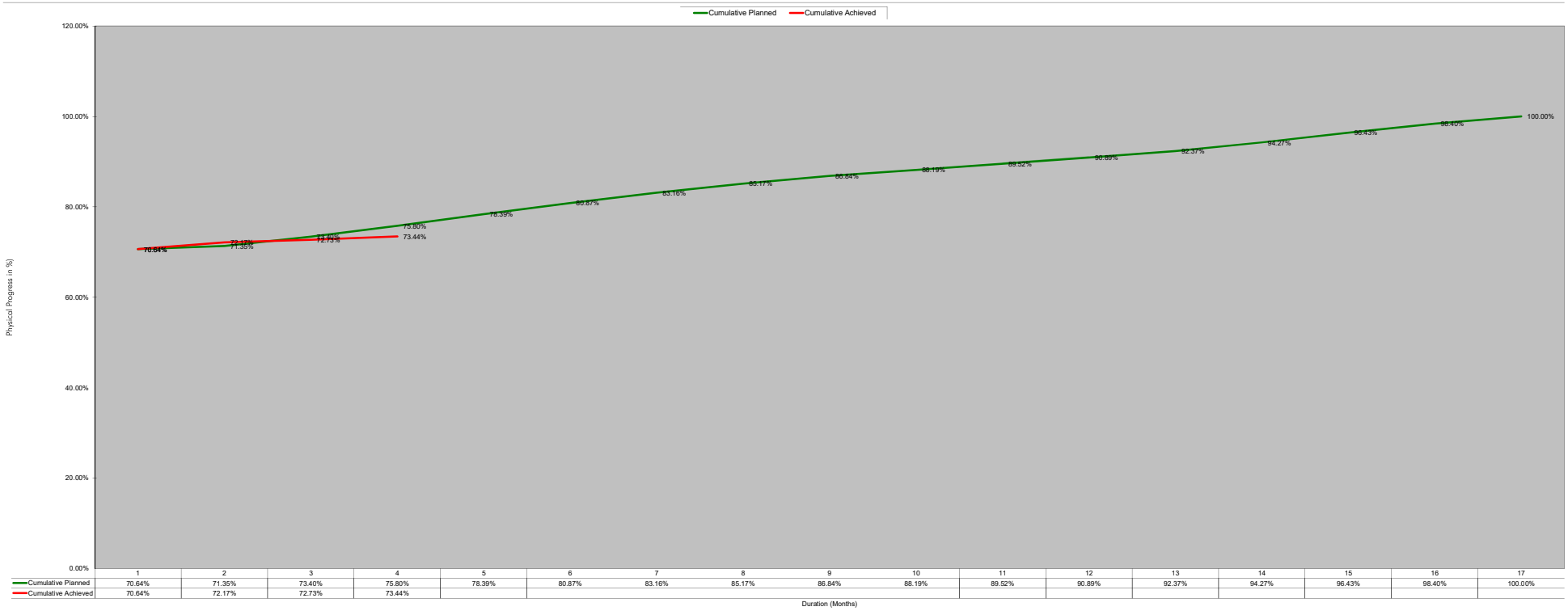
Fig. 03a- Financial Progress (Revised S-Curve) as per Settlement Agreement signed on dated 20.03.2023.



	Schedule	2023											2024					
		Up to February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Revised Target vs Achieved as per Revised Target set forth in the Settlement Agreement signed on dated 20.03.2023	Monthly Planned	1032.61	16.95	27.76	32.87	35.65	35.94	33.46	29.37	24.40	19.72	19.43	20.02	21.62	27.76	31.56	28.78	23.11
	Monthly Achieved	1032.61	22.26	8.71	13.25													
	Cumulative Planned	1032.61	1049.55	1077.31	1110.18	1145.83	1181.77	1215.23	1244.60	1269.00	1288.72	1308.15	1328.17	1349.79	1377.55	1409.11	1437.89	1461.00
	Cumulative Achieved	1032.61	1054.87	1063.58	1076.83													
	Monthly Planned (%)	70.68%	1.2%	1.9%	2.3%	2.4%	2.5%	2.3%	2.0%	1.7%	1.4%	1.3%	1.4%	1.5%	1.9%	2.2%	2.0%	1.6%
	Monthly Achieved (%)	70.68%	1.5%	0.6%	0.9%													
	Cumulative Planned (%)	70.68%	71.8%	73.7%	76.0%	78.4%	80.9%	83.2%	85.2%	86.9%	88.2%	89.5%	90.9%	92.4%	94.3%	96.4%	98.4%	100.0%
	Cumulative Achieved (%)	70.68%	72.20%	72.80%	73.71%													

Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to 116.440 Section of NH45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode.

Fig. 03b- Physical Progress (Revised S-Curve) as per Settlement Agreement signed on dated 20.03.2023.



		2023											2024					
	Schedule	Up to February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Revised Target vs Achieved as per Revised Target set forth in the Settlement Agreement signed on dated 20.03.2023	Monthly Planned	70.64%	0.71%	2.05%	2.40%	2.59%	2.48%	2.29%	2.01%	1.67%	1.35%	1.33%	1.37%	1.48%	1.90%	2.16%	1.97%	1.60%
	Monthly Achieved	70.64%	1.53%	0.56%	0.71%													
	Cumulative Planned	70.64%	71.35%	73.40%	75.80%	78.39%	80.87%	83.16%	85.17%	86.84%	88.19%	89.52%	90.89%	92.37%	94.27%	96.43%	98.40%	100.00%
	Cumulative Achieved	70.64%	72.17%	72.73%	73.44%													

6.1. List of Lab Equipment's

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

Table 6.1 - 1 QA/QC Lab Equipment's at Annaikarai Lab

SI. NO	EQUIPMENT LIST'S	QUANTITY
1	compression testing machine 2000 kN	1
2	cement mortar vibrating machine	1
3	AIV Apparatus	1
4	electronic weighing balance (50 kg)	1
5	electronic weighing balance (600 gm)	1
6	Hot Air Oven(250◦ c)	1
7	Hot plate	1
8	Rain Gauge	1
9	Sieve: as per IS 460 -1962 200 dia Brass frame	
10	4.75 mm	1
11	1.18 mm	1
12	600 mic	1
13	300 mic	1
14	90 mic	1
15	75 mic	1
16	Pan with Lid	1
17	Sieve: as per IS 460 -1962 200 dia GI frame	
18	40 mm	1
19	20 mm	1
20	12.5 mm	1
21	10 mm	1
22	4.75 mm	1
23	2.36 mm	1
24	Pan with Lid	1

25	Thickness Gauge	1
26	Glass Rain measuring jar (200CM^2)	2
27	GI Tray (18 x24 x50)	5
28	Enamel Tray (medium)	4
29	Enamel Tray (small)	6
30	spactula wooden handle	8
31	GI Tray ()	1
32	Iron tray	1
33	slump cone apparatus with tamping rod	2

Table 6.1 - 2 QA/QC Lab Equipment's at Meensurity Lab

Sl. NO	EQUIPMENT LIST'S	QUANTITY
1	Test Sieves Set 450mm internal diameter as per IS complete with lid & pan of hole sizes	
a	100mm	2 Nos
b	75mm	2 Nos
c	90mm	2 Nos
d	63mm	2 Nos
e	53mm	2 Nos
f	50mm	2 Nos
g	45mm	2 Nos
h	40mm	2 Nos
i	37.5mm	2 Nos
j	31.5mm	2 Nos
k	26.5mm	2 Nos
l	25mm	2 Nos
m	22.4mm	2 Nos
n	20.0mm	2 Nos
o	19.0mm	2 Nos
p	18mm	2 Nos
q	16mm	2 Nos
r	14mm	2 Nos
s	13.2mm	2 Nos

t	12.5mm	2 Nos
v	11.2mm	2 Nos
u	10mm	2 Nos
w	9.5mm	2 Nos
x	6.3mm	2 Nos
y	5.6mm	2 Nos
z	4.75mm	2 Nos
2	Test Sieves Set 200mm internal diameter (Brass frame & steel or brass wire cloth mesh) as per IS complete with lid & pan of sieve	
a	37.5mm	2 Nos
b	26.5mm	2 Nos
c	22.4mm	2 Nos
d	19mm	2 Nos
e	16mm	2 Nos
f	14mm	2 Nos
g	13.2mm	2 Nos
h	12.5	2 Nos
i	11.2mm	2 Nos
j	10mm	2 Nos
k	9.5mm	2 Nos
l	4.75mm	2 Nos
m	2.8mm	2 Nos
n	2.36mm	2 Nos
o	2.0mm	2 Nos
p	1.80mm	2 Nos
q	1.7mm	2 Nos
r	1.4mm	2 Nos
s	1.18mm	2 Nos
t	1.0mm	3 Nos
v	0.600mm	2 Nos
u	0.425mm	2 Nos
w	0.355mm	2 Nos
x	0.300mm	2 Nos

y	0.180	2 Nos
z	0.090mm	2 Nos
aa	0.075mm	6 Nos
3	Measuring cylinder - Borosilicate glass - 100ML	40 Nos
4	Glass Thermometer 00c to 3000c	10 Nos
5	Flash filtering borosil glass - 2000ML	1 No
6	Flash filtering borosil glass - 5000ML	1 No
7	Round hot Plate	2 Nos
8	Measuring cylinder - Borosilicate glass - 1000ML	4 Nos
9	Measuring cylinder - Borosilicate glass - 250ML	4 Nos
10	Measuring cylinder- Borosilicate glass - 500ML	4 Nos
11	Beakers - glass borosil - low from cap 600ML	4 Nos
12	Compaction pedestal - 4"	4 Nos
13	Extractor plate - 6" dia for marshal test	1 No
14	Rammer marshal - 4"	4 Nos
15	Thermometer Infra red - MTX - 2	2 Nos
16	LE - Chatlier mould one set of six	2 Nos
17	Cone penetrometer	1 No
18	Los angeles abrasion testing machine	1 No
19	Marshal Mould - 4" dia	51 nos
20	G.I Tray - 1500*1500*100MM	4 Nos
21	Compaction pedestal - 6"	1 No
22	Marshal stability apparatus	1 No
23	Measuring cylinder- Plastic - 50ML	4 Nos
24	Measuring cylinder- Plastic - 250ML	2 Nos
25	Measuring cylinder- Plastic - 500ML	2 Nos
26	Measuring cylinder- Plastic - 1000ML	2 Nos
27	Vibrating machine with digital timer	1 No
28	Hot Air Oven - Thermostatic - NoN Digital - 45*45*45 CM	1 No
29	Hot Air Oven - Thermostatic - NoN Digital - 90*60*60 CM	1 No
30	Penetration cup - 55*70 MM	2 Nos
31	Penetration cup - 55*35MM	6 Nos

32	Standard Penetrometer - Automatic with digital timer	1 No
33	proctor compaction mould 100mm dia with 2.69kg Rammer mid steel	4 Nos
34	proctor compaction mould 150mm dia with 4.89kg Rammer mid steel	6 Nos
35	proving ring compression type 10kn	1 Nos
36	proving ring compression type 2.5kn	1 Nos
37	proving ring compression type 25kn	1 Nos
38	proving ring compression type 50kn	1 Nos
39	pycnometter bottle	4 Nos
40	Rapid moisture meter-0-25%	4 Nos
41	Riffle sample divider -G.I-20mm , no of slot ;16	1 nos
42	Riffle sample divider -G.I-40mm , no of slot ;12	1 Nos
43	Pipette borosilicate glass - 10 ml	4 Nos
44	Sand equivalent value test apparaus with accessories	1 Nos
45	fileld density test app - sand replacement method small	2 Set
46	shrinkage limit set W/O mercury	1 Nos
47	Mercury 250 Gm	1 Nos
48	Buoyancy balance	1 Nos
49	Spatula 8"	10 Nos
50	Spatula 4"	10 Nos
51	Standard sand - grade III - Bag of 25 kg	2 Nos
52	Standard sand - grade I - Bag of 25 kg	2 Bag
53	Standard sand - grade II - Bag of 25 kg	2 Bag
54	standard penetrometer - automatic with digital timer	1 Nos
55	Beaking head assembly - 6'	1 Nos
56	Bulk density cylindrical metal measure - 15 LTR	1 Nos
57	Bulk density cylindrical metal measure - 5 LTR	1 Nos
58	Bulk density cylindrical metal measure - 30 LTR	1 Nos
59	Calcium carbide - 500 GM for rapid moisture meter	10 Nos
60	Liquid limits device - hand operated	1 Nos
61	CBR mould mild steel 150mm dia eith collar and base plate	60 Nos
62	Perforated plate - for CBR test AS per 1377	57 Nos

63	Spacer disc - for CBR test	4 nos
64	surcharge weight 2.5kg annular for cbr test	120 nos
65	cbr load frame electrical single speed	1 nos
66	chisel 25mm wide *300mm long	20 nos
67	compression testing machine 2000kn digital manual pace	1 nos
68	cube moulds 7.06cm isi marked for cement	12
69	Concrete mixer - Tilting drum type	1 No
70	Constant temperature water bath for marshal test with digital	2 Nos
71	Core drilling machine with diesel engine	1 No
72	Electronic weighing balance - 10KG	1 No
73	Cube moulds - 10CM	18 Nos
74	Cube moulds - 5CM	12 Nos
75	Electronic weighing balance - 600Gms	2 Nos
76	Dial gauge 0.01*30mm	4 Nos
77	Electronic platform balance - 100KG	1 Nos
78	Electronic weighing balance - 30KG	2 Nos
79	Electronic weighing balance - 50KG	2 Nos
80	Electronic weighing balance - 5KG	1 No
81	Stop watch - digital	4 Nos
82	Direct shear apparatus	1 No
83	Bottle wash plastic - 1000ML	4 Nos
84	Length gauge	1 No
85	Tray - G.I 300*300MM (12"*12")	6 Nos
86	Enamel tray -300*250*40 mm (10"*12")	9 Nos
87	Tray G.I -300*250*40 mm (10"*12")	9 Nos
88	Enamel tray -450*600*40 mm (18"*12")	12 Nos
89	Field density test app -sand replacement method medium	2 Set
90	Field density test app -sand replacement method Large	2 Set
91	Filter paper for marshal test 100mm dia	10 PKT
92	Filter paper for CBR test 15cm dia PKT of 100 circles	10 PKT
93	Flakiness gauge - M.S .Chrome / powder coated	1 Nos
94	Pensky marten flash pivot apparatus	1 Nos

95	Flexural strength testing machine curve	1 Nos
96	French curve	2 Nos
97	Slump test apparatus with tamping rod 16mm dia *600mm long	9 Nos
98	Thermometer dial 100mm dia * 300mm long 00 - 3000c	10 Nos
99	Tripod stand for CBR test	4 Nos
100	Gauging trowel 6" (150mm)	4 Nos
101	U tube glass viscometer	1 Nos
102	Saybolt viscometer with energy regulator	1 Nos
103	Vacuum pump -Singal Stage	1 Nos
104	Vibrating table -60*60 CM	1 Nos
105	Needle final setting time for vicat needle apparatus	1 Nos
106	Needle Initial setting time for vicat needle apparatus	1 Nos
107	Vicat Needle apparatus	2 Nos
108	Hammer with Handle - 1000 GM	4 Nos
109	Aggregate Impact testing machine	1 Nos
110	Beakers - glass borosil - low form cap ; 600ML	2 Nos
111	Beam mould -15*15*70 CM - Mild steel	17 Nos

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 May - 2023 are tabulated below:-

Monthly Progress Report : Summary of Quality Control Report : Month of May-2023

Sr. No.	Item Description	IS Specification Clause	Frequency of Tests	*Test conducted upto Previous month*				*Tests conducted during reporting month May 2023*						*Test conducted upto this month*			
								Tested		Passed		Failed					
				No. of test Conducted EPC/ Concessionaire	Passed	Failed	Nos. of test witnessed by IE	Concessionaire	IE	Concessionaire	IE	Concessionaire	IE	No. of test Conducted EPC/ Concessionaire	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	345	345	0	97	0	0	0	0	0	0	345	345	0	97
1.2	Atterberg Limits	IS:2720 (Part5)	1 test / 250 meters	345	345	0	97	0	0	0	0	0	0	345	345	0	97
1.3	Proctor	IS:2720 (Part8)	1 test / 250 meters	345	345	0	97	0	0	0	0	0	0	345	345	0	97
1.4	Free Swell index	IS:2720 (Part40)	1 test / 250 meters	345	338	7	97	0	0	0	0	0	0	345	338	7	97
1.5	California bearing ratio	IS:2720 (Part16)	As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0 Borrow Area for EMB/Subgrade (MoRT&H 305)																	
2.1	Grain size analysis	IS:2720 (Part4)	1 test /1500 m^3	1718	1718	0	932	22	10	22	10	0	0	1740	1740	0	942
2.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m^3	1718	1718	0	932	22	10	22	10	0	0	1740	1740	0	942
2.3	Proctor	IS:2720 (Part8)	1 test /1500 m^3	1718	1718	0	932	22	10	22	10	0	0	1740	1740	0	942
2.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m^3	1718	1718	0	932	22	10	22	10	0	0	1740	1740	0	942
2.5	California bearing ratio	IS:2720 (Part16)	1 test /3000 m^3	506	494	12	266	2	2	0	0	2	2	508	494	14	268
2.6	Direct shear Test	IS:2720 (Part13)	1 test /3000 m^3	333	330	3	171	10	5	10	5	0	0	343	340	3	176
3.0 Cutting & Existing Portion for EMB/SG site sampling (MoRT&H 305)																	
3.1	Grain size analysis	IS:2720 (Part4)	1 test /1500 m^3	89	87	2	47	0	0	0	0	0	0	89	87	2	47
3.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m^3	89	87	2	47	0	0	0	0	0	0	89	87	2	47
3.3	Proctor	IS:2720 (Part8)	1 test /1500 m^3	89	87	2	47	0	0	0	0	0	0	89	87	2	47
3.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m^3	89	87	2	47	0	0	0	0	0	0	89	87	2	47
3.5	California bearing ratio	IS:2720 (Part16)	1 test /3000 m^3	46	44	2	26	0	0	0	0	0	0	46	44	2	26
3.6	Direct shear Test	IS:2720 (Part13)	1 test /3000 m^3	1	1	0	1	0	0	0	0	0	0	1	1	0	1
4.0 Service Road																	
4.1	Grain size analysis	IS:2720 (Part4)	1 test /1500 m^3	27	27	0	20	0	0	0	0	0	0	27	27	0	20
4.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m^3	27	27	0	20	0	0	0	0	0	0	27	27	0	20
4.3	Proctor	IS:2720 (Part8)	1 test /1500 m^3	27	27	0	20	0	0	0	0	0	0	27	27	0	20
4.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m^3	27	27	0	20	0	0	0	0	0	0	27	27	0	20
4.5	California bearing ratio	IS:2720 (Part16)	1 test /3000 m^3	8	8	0	8	0	0	0	0	0	0	8	8	0	8
4.6	Direct shear Test	IS:2720 (Part13)	1 test /3000 m^3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0 Flyash for Embankment																	
5.1	Liquid Limit & Plastic limit	TABLE-1	1 test /1500 m^3	467	467	0	266	0	0	0	0	0	0	467	467	0	266
5.2	Maximum Dry Density	Clause 5.2	1 test /1500 m^3	467	467	0	278	0	0	0	0	0	0	467	467	0	278
5.3	Grain size analysis	IS:2720 (Part4)	1 test /3000 m^3	327	327	0	190	0	0	0	0	0	0	327	327	0	190
5.4	Direct shear Test	IS:2720 (Part13)	1 test /3000 m^3	212	212	0	118	0	0	0	0	0	0	212	212	0	118

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				No. of test Conducted EPC/ Concessionaire	Passed	Failed	Nos. of test witnessed by IE	Concessionaire	IE	Concessionaire	IE	Concessionaire	IE	No. of test Conducted EPC/ Concessionaire	Passed	Failed	Nos. of test witnessed by IE
6.0 Field Density Test (MoRT&H 305)																	
6.1	Field density (OGL)	IS:2720 (Part28)	1 test /3000 sqm	4272	4149	123	1058	180	20	180	20	0	0	4452	4329	123	1078
6.2	EMB field density	IS:2720 (Part28)	1 test /3000 sqm	96977	93872	3105	17793	3302	306	3230	300	72	6	100279	97102	3177	18099
6.3	SG field density	IS:2720 (Part28)	1 test /2000 sqm	20512	19993	519	6601	664	76	640	70	24	6	21176	20633	543	6677
6.4	Shoulder field density	IS:2720 (Part28)	1 test /2000 sqm	1213	1170	43	135	0	0	0	0	0	0	1213	1170	43	135
6.5	Ground improvement (Soil)	IS:2720 (Part28)	1 test /2000 sqm	5441	5358	83	611	803	53	800	50	3	3	6244	6158	86	664
6.6	Ground improvement & Median filling (Flyash)	IS:2720 (Part28)	1 test /2000 sqm	39693	38599	1094	5230	70	10	70	10	0	0	39763	38669	1094	5240
7.0 Filter Media & Back filling (MoRT&H 2500)																	
7.1	Gradation		As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	Backfilling field density		1 test /1000 m^3	993	990	3	58	0	0	0	0	0	0	993	990	3	58
7.3	RE Wall field density		As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.0 Safe Bearing capacity of soil																	
8.1	Free Swell index	IS:2720 (Part40)	As required	113	100	13	97	2	2	2	2	0	0	115	102	13	99
8.2	Grain size analysis	IS:2720 (Part4)	As required	113	106	7	97	2	2	2	2	0	0	115	108	7	99
8.3	Proctor	IS:2720 (Part8)	As required	113	106	7	97	2	2	2	2	0	0	115	108	7	99
8.4	Direct shear Test	IS:2720 (Part13)	As required	113	94	19	97	2	2	2	2	0	0	115	96	19	99
8.5	Bearing Capacity / Plate Load Test	IS:6403 / IS:1888	As required	110	56	54	66	2	2	2	2	0	0	112	58	54	68
9.0 CTSB Mix Design/Site Frequency (MoRT&H 403)																	
9.1	Gradation	Table 400-4	1 test/400m^3	1254	1254	0	514	45	25	45	25	0	0	1299	1299	0	539
9.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m^3	1133	1133	0	437	45	25	45	25	0	0	1178	1178	0	462
9.3	Proctor	IS:2720 (Part8)	As required	66	66	0	64	2	2	2	2	0	0	68	68	0	66
9.4	CBR Test or unconfined compressive strength test	IS:2720 (Part16)	As required	1	1	0	1	0	0	0	0	0	0	1	1	0	1
9.5	Quality of cement		Minimum 1 test/5 tons	2	2	0	2	0	0	0	0	0	0	2	2	0	2
9.6	Aggregate Impact value	IS:2386 (Part4)	As required	28	28	0	17	0	0	0	0	0	0	28	28	0	17
9.7	Field Density	IS:2720 (Part28)	1 set of 2 Test per 500 Sqm	6712	6712	0	3833	156	20	156	20	0	0	6868	6868	0	3853
9.8	Specific gravity & Water absorption	IS:2386 (Part2)	As required	2	2	0	2	0	0	0	0	0	0	2	2	0	2
9.9	Cubes	IRC:SP:89 (2010)	1 set 400MT	2264	2264	0	851	42	24	42	24	0	0	2306	2306	0	875
10.0 Granular Bedding Material (For Structures-Ground Improvement)- Mix Design																	
10.1	Gradation	Table 400-1	1 test/400m^3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m^3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.3	Proctor	IS:2720 (Part8)	As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.4	CBR Test	IS:2720 (Part16)	As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.5	Aggregate Impact value	IS:2386 (Part4)	As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.6	Field Density	IS:2720 (Part28)	1 Test per 1000 Sqm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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11.0 Granular Bedding Material (For Structures-Ground Improvement)- Site Frequency																	
11.1	Gradation	Table 400-1	1 test/400m^3	3	3	0	3	0	0	0	0	0	0	3	3	0	3
11.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m^3	3	3	0	3	0	0	0	0	0	0	3	3	0	3
11.3	Proctor	IS:2720 (Part8)	As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.4	CBR Test	IS:2720 (Part16)	As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.5	Aggregate Impact value	IS:2386 (Part4)	As required	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.6	Field Density	IS:2720 (Part28)	1 Test per 1000 Sqm	90	90	0	21	0	0	0	0	0	0	90	90	0	21
12.0 WMM Mix Design (MoRT&H 406)																	
12.1	Gradation	Table 400-3	1 test/200m^3	61	61	0	61	0	0	0	0	0	0	61	61	0	61
12.2	Aggregate Impact Value	IS:2386 (Part4)	1 test/1000 m^3	13	13	0	13	0	0	0	0	0	0	13	13	0	13
12.3	Flakiness & Elongation index	IS:2386 (Part1)	1 test/500 m^3	12	12	0	12	0	0	0	0	0	0	12	12	0	12
12.4	Atterberg Limits	IS:2720 (Part5)	1 test/200m^3	12	12	0	12	0	0	0	0	0	0	12	12	0	12
12.5	Water absorption & Sp.Gravity	IS:2386 (Part2)	As required	8	8	0	8	0	0	0	0	0	0	8	8	0	8
12.6	Proctor	IS:2720 (Part8)	As required	4	4	0	4	0	0	0	0	0	0	4	4	0	4
12.7	CBR	IS:2720 (Part16)	As required	2	2	0	2	0	0	0	0	0	0	2	2	0	2
13.0 WMM Site Frequency (MoRT&H 406)																	
13.1	Gradation	Table 400-3	1 test/200m^3	829	829	0	338	21	7	21	7	0	0	850	850	0	345
13.2	Aggregate Impact Value	IS:2386 (Part4)	1 test/1000 m^3	491	491	0	198	18	6	18	6	0	0	509	509	0	204
13.3	Flakiness & Elongation index	IS:2386 (Part1)	1 test/500 m^3	505	505	0	184	18	6	18	6	0	0	523	523	0	190
13.4	Atterberg Limits	IS:2720 (Part5)	1 test/200m^3	792	792	0	304	21	7	21	7	0	0	813	813	0	311
13.5	Water absorption	IS:2386 (Part2)	As required	4	4	0	4	0	0	0	0	0	0	4	4	0	4
13.6	Proctor	IS:2720 (Part8)	As required	31	31	0	29	1	1	1	1	0	0	32	32	0	30
13.7	CBR	IS:2720 (Part16)	As required	1	1	0	1	0	0	0	0	0	0	1	1	0	1
13.8	Field Density	IS:2720 (Part28)	1 set Test per 1000 Sqm/3 pits	1818	1818	0	1016	52	13	52	13	0	0	1870	1870	0	1029
14.0 Dense Bituminous Macadam (Grade - II)																	
14.1	Bitumen Extraction & Gradation		1 Test/400MT	500	500	0	229	16	12	16	12	0	0	516	516	0	241
14.2	Combined Gradation	Table 500 - 18, Grad.II	1 Test/400MT	487	487	0	206	16	12	16	12	0	0	503	503	0	218
14.3	Individual Gradation Sets	Table 500 - 18, Grad.II	1 Test/400MT	486	486	0	209	16	12	16	12	0	0	502	502	0	221
14.4	Flakiness & Elongation index	MoRT&H Table 900 - 4	1 test/350m^3	314	314	0	139	8	6	8	6	0	0	322	322	0	145
14.5	Aggregate Impact Value	MoRT&H Table 900 - 4	1 test/350m^3	361	361	0	159	8	6	8	6	0	0	369	369	0	165
14.6	Marshall Density	ASTM D 2726	1 Set/400MT	521	521	0	232	16	12	16	12	0	0	537	537	0	244
14.7	GMM	MoRT&H Table 900 - 4	1 Test/400MT	492	492	0	218	16	12	16	12	0	0	508	508	0	230
14.8	DBM Core Cutting	MoRT&H Table 900 - 4	1 Test/700M^2	1458	1458	0	831	37	37	37	37	0	0	1495	1495	0	868
Bitumen test (VG-40)																	
14.9	Softening Point	IS:1205 - 1978	1 Test/ 1 lot	248	248	0	113	5	3	5	3	0	0	253	253	0	116
14.10	Penetration	IS:1205 - 1978	1 Test/ 1 lot	248	248	0	113	5	3	5	3	0	0	253	253	0	116
14.11	Viscosity	IS:1205 - 1978	1 Test/ 1 lot	248	248	0	113	5	3	5	3	0	0	253	253	0	116

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15.0 Bituminous Concrete (Grade - II) PMB MCW																	
15.1	Bitumen Extraction & Gradation	IRC:SP:11	1 Test/400MT	293	293	0	167	2	2	2	2	0	0	295	295	0	169
15.2	Combined Gradation	Table 500 - 17, Grad.II	1 Test/400MT	293	293	0	181	2	2	2	2	0	0	295	295	0	183
15.3	Individual Gradation Sets	Table 500 - 17, Grad.II	1 Test/400MT	293	293	0	181	2	2	2	2	0	0	295	295	0	183
15.4	Flakiness & Elongation index	MoRT&H Table 900 - 4	1 test/350m^3	146	146	0	83	1	1	1	1	0	0	147	147	0	84
15.5	Aggregate Impact Value	MoRT&H Table 900 - 4	1 test/350m^3	148	148	0	85	1	1	1	1	0	0	149	149	0	86
15.6	Marshall Density	ASTM D 2726	1 Set/400MT	289	289	0	156	2	2	2	2	0	0	291	291	0	158
15.7	GMM	MoRT&H Table 900 - 4	1 Test/400MT	292	292	0	159	2	2	2	2	0	0	294	294	0	161
15.8	BC Core Cutting	MoRT&H Table 900 - 4	1 Test/700M^2	1102	1102	0	567	2	2	2	2	0	0	1104	1104	0	569
16.0 Bituminous Concrete (Grade - II) VG-40 S/R																	
16.1	Bitumen Extraction & Gradation	IRC:SP:11	1 Test/400MT	74	74	0	35	2	2	2	2	0	0	76	76	0	37
16.2	Combined Gradation	Table 500 - 17, Grad.II	1 Test/400MT	71	71	0	34	2	2	2	2	0	0	73	73	0	36
16.3	Individual Gradation Sets	Table 500 - 17, Grad.II	1 Test/400MT	71	71	0	34	2	2	2	2	0	0	73	73	0	36
16.4	Flakiness & Elongation index	MoRT&H Table 900 - 4	1 test/350m^3	41	41	0	22	1	1	1	1	0	0	42	42	0	23
16.5	Aggregate Impact Value	MoRT&H Table 900 - 4	1 test/350m^3	41	41	0	22	1	1	1	1	0	0	42	42	0	23
16.6	Marshall Density	ASTM D 2726	1 Set/400MT	71	71	0	34	2	2	2	2	0	0	73	73	0	36
16.7	GMM	MoRT&H Table 900 - 4	1 Test/400MT	71	71	0	34	2	2	2	2	0	0	73	73	0	36
16.8	BC Core Cutting	MoRT&H Table 900 - 4	1 Test/700M^2	256	256	0	156	2	2	2	2	0	0	258	258	0	158
Bitumen test (PMB)																	
16.9	Softening Point	IS:1205 - 1978	1 Test/ 1 lot	172	172	0	73	0	0	0	0	0	0	172	172	0	73
16.10	Elastic recovery	IS:15462 - 2019	1 Test/ 1 lot	172	172	0	73	0	0	0	0	0	0	172	172	0	73
17.0 Prime Coat																	
17.0	Rate of Spread of Binder		Three tests per day	1081	1081	0	470	36	12	36	12	0	0	1117	1117	0	482
17.1 Emulsion Test (SS-1)																	
17.1	Say bolt Viscometer	IS:8887-2004	1 Test/ 1 lot	25	25	0	18	1	1	1	1	0	0	26	26	0	19
17.2 Tack Coat																	
17.2	Rate of Spread of Binder		Three tests per day	1499	1499	0	546	54	12	54	12	0	0	1553	1553	0	558
17.3 Emulsion Test (RS-1)																	
17.3	Say bolt Viscometer	IS:8887-2004	1 Test/ 1 lot	16	16	0	13	0	0	0	0	0	0	16	16	0	13
18.0 Fine Aggregate (MoRT&H 1008)																	
18.1	Gradation/ Sieve analysis	IS:2386 (Part1)	1 test per day	2387	2387	0	840	31	12	31	12	0	0	2418	2418	0	852
18.2	Specific gravity & Water absorption	IS:2386 (Part3)	As required	16	16	0	15	0	0	0	0	0	0	16	16	0	15
18.3	Fineness Modulus	MoRT&H Sec. 1008 & 383	1 test per day	2245	2245	0	768	31	12	31	12	0	0	2276	2276	0	780
18.4	Alkali aggregate reactivity test	IS:2386 (Part7), IS: 456	1 test per source	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18.5	Deleterious material/silt	IS:2386 (Part2)	1 test per source	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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19.0 Coarse Aggregate (MoRT&H 1007)																	
19.1	Gradation	IS:2386 (Part1)	1 test per day	2301	2301	0	840	31	12	31	12	0	0	2332	2332	0	852
19.2	Specific gravity & Water absorption	IS:2386 (Part3)	As required	18	18	0	15	0	0	0	0	0	0	18	18	0	15
19.3	Aggregate Impact Value	IS:2386 (Part4)	1 test / each source & monthly	587	587	0	282	4	2	4	2	0	0	591	591	0	284
19.4	Flakiness index	IS:2386 (Part1)	1 test / each source & monthly	552	552	0	265	4	2	4	2	0	0	556	556	0	267
19.5	Soundness	IS:2386 (Part5)	As required	2	2	0	2	0	0	0	0	0	0	2	2	0	2
19.6	Alkali aggregate reactivity test	IS:2386 (Part7), IS: 456	1 test per source	2	2	0	2	0	0	0	0	0	0	2	2	0	2
19.7	Deleterious constituents	IS:2386 (Part2)	1 test per source	2	2	0	2	0	0	0	0	0	0	2	2	0	2
19.8	Petrograhic Examination	IS:2386 (Part8)	1 test per source	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.0 Cement (MoRT&H 1006)																	
20.1	Chemical test / Physical test	IS:4031, 4032	1 test per source	14	14	0	9	0	0	0	0	0	0	14	14	0	9
20.2	Fineness	IS:4031 (Part1)	Every batch	628	628	0	297	4	2	4	2	0	0	632	632	0	299
20.3	Normal Consistency	IS:4031 (Part4)	Every batch	600	600	0	297	4	2	4	2	0	0	604	604	0	299
20.4	Initial & Final setting time	IS:4031 (Part5)	Every batch	600	600	0	297	4	2	4	2	0	0	604	604	0	299
20.5	Soundness of Cement	IS:4031 (Part3)	Every batch	544	544	0	263	4	2	4	2	0	0	548	548	0	265
20.6	Compressive Strength-set	IS:4031 (Part6)															
	3 days		1 test per Lot	560	560	0	247	4	2	4	2	0	0	564	564	0	249
	7 days		1 test per Lot	552	552	0	246	5	3	5	3	0	0	557	557	0	249
	28 days		1 test per Lot	549	549	0	231	5	4	5	4	0	0	554	554	0	235
21.0 Concrete Cube Strength																	
	M15 PCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	862	862	0	300	22	1	22	1	0	0	884	884	0	301
	28Days Compressive Strength			1428	1428	0	618	19	16	19	16	0	0	1447	1447	0	634
	M20 KERB																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	355	355	0	83	1	0	1	0	0	0	356	356	0	83
	28Days Compressive Strength			916	916	0	218	2	0	2	0	0	0	918	918	0	218
	M20 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	471	471	0	126	22	10	22	10	0	0	493	493	0	136
	28Days Compressive Strength			907	907	0	271	20	5	20	5	0	0	927	927	0	276
	M20 PCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	44	44	0	19	0	0	0	0	0	0	44	44	0	19
	28Days Compressive Strength			54	54	0	20	3	3	3	3	0	0	57	57	0	23
	M25 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	82	82	0	22	0	0	0	0	0	0	82	82	0	22
	28Days Compressive Strength			140	140	0	81	2	2	2	2	0	0	142	142	0	83
	M30 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	915	915	0	319	7	5	7	5	0	0	922	922	0	324
	28Days Compressive Strength			1512	1512	0	604	18	6	18	6	0	0	1530	1530	0	610

Sr. No.	Item Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month May 2023						Test conducted upto this month			
								Tested		Passed		Failed					
				No. of test Conducted EPC/ Concessionaire	Passed	Failed	Nos. of test witnessed by IE	Concessionaire	IE	Concessionaire	IE	Concessionaire	IE	No. of test Conducted EPC/ Concessionaire	Passed	Failed	Nos. of test witnessed by IE
	M30 RCC PUMPABLE																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	199	199	0	79	10	7	10	7	0	0	209	209	0	86
	28Days Compressive Strength			494	494	0	252	4	4	4	4	0	0	498	498	0	256
	M35 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	416	416	0	195	1	0	1	0	0	0	417	417	0	195
	28Days Compressive Strength			857	857	0	439	3	3	3	3	0	0	860	860	0	442
	M35 PILING																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	1019	1019	0	537	0	0	0	0	0	0	1019	1019	0	537
	28Days Compressive Strength			2999	2999	0	1638	5	0	5	0	0	0	3004	3004	0	1638
	M35 RCC PUMPABLE																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	1401	1401	0	580	20	11	20	11	0	0	1421	1421	0	591
	28Days Compressive Strength			4209	4209	0	2066	54	43	54	43	0	0	4263	4263	0	2109
	M35 RE BLOCK																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	792	792	0	228	0	0	0	0	0	0	792	792	0	228
	28Days Compressive Strength			2270	2270	0	728	0	0	0	0	0	0	2270	2270	0	728
	M40 PUMP & M40 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	1033	1033	0	394	6	0	6	0	0	0	1039	1039	0	394
	28Days Compressive Strength			2256	2256	0	932	17	14	17	14	0	0	2273	2273	0	946
	M40 PQC																
	7 Days Flexural Strength	As Per IS:516	As Per IS:516	12	12	0	12	0	0	0	0	0	0	12	12	0	12
	28 Days Flexural Strength			30	30	0	30	0	0	0	0	0	0	30	30	0	30
	7Days Compressive Strength	As Per IS:516	As Per IS:516	12	12	0	12	0	0	0	0	0	0	12	12	0	12
	28Days Compressive Strength			30	30	0	30	0	0	0	0	0	0	30	30	0	30
	M40 PILING																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	306	306	0	92	0	0	0	0	0	0	306	306	0	92
	28Days Compressive Strength			997	997	0	271	0	0	0	0	0	0	997	997	0	271
	M45 PUMP																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	441	441	0	189	1	0	1	0	0	0	442	442	0	189
	28Days Compressive Strength			1116	1116	0	443	14	4	14	4	0	0	1130	1130	0	447
	M50 RCC PUMP																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	19	19	0	12	0	0	0	0	0	0	19	19	0	12
	28Days Compressive Strength			29	29	0	23	0	0	0	0	0	0	29	29	0	23
	M60 PUMP																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	659	659	0	218	0	0	0	0	0	0	659	659	0	218
	28Days Compressive Strength			2266	2266	0	743	0	0	0	0	0	0	2266	2266	0	743

Four Laning of Sethiyahopu - Cholopuram from km 65.960 to km 116.440 section of NH-45C in the state of Tamilnadu under NHDP Phase-IV on Hybrid Annuity Mode.												
CONSUMPTION OF BORROW AREA (UPTO 31/05/2023)												
S.NO	**B/A NO.**	**Chainage**	**Lead Form NH-45C**	**Side**	**Suitable For**	**Approved Qty In M^3**	**USED Qty In M^3**	**BALANCE Qty In M^3**	**Submission Letter No**	**Approved Letter No**	**Status**	**Remark**
1	1	Maruvay 61+090	1.5 km	LHS	EMB	18000	17964	36	PSCHPL/SCP/IE/2018/093	TES/IE/SCP/PIL/2018/059	Close	Approved
2	1	61+090 LHS (Maruvai) EX - 01	1.5km	LHS	EMB	30000	29946	54	PSCHPL/SCP/IE/2020/656	TES/IE/SC/PIL/2020/470	Close	Approved
3	1	61+090 LHS (Maruvai) EX - 02	1.5 KM	LHS	EMB&SUBGRADE	30000	30000	0	PSCHPL/SCP/IE/2020/656	TES/IE/SC/PIL/2020/470	Close	Approved
4	1	61+090 LHS (Maruvai) EX - 03	1.5km	LHS	EMB	30000	29970	30	PSCHPL/SCP/IE/2020/670	TES/IE/SC/PIL/2020/477	Close	Approved
5	1	61+090 LHS (Maruvai) EX - 04	1.5km	LHS	EMB&SUBGRADE	30000	28596	1404	PSCHPL/SCP/IE/2020/679	TES/IE/SC/PIL/2020/486	Close	Approved
6	1	61+090 LHS (Maruvai) EX - 05	1.5km	LHS	EMB	30000	29890	110	PSCHPL/SCP/IE/2020/679	TES/IE/SC/PIL/2020/486	Close	Approved
7	1	61+090 LHS (Maruvai) EX - 06	1.5km	LHS	EMB	45000	45000	0	PSCHPL/SCP/IE/2020/683	TES/IE/SC/PIL/2020/500	Close	Approved
8	2	106+350 RHS Kodali	4.0 km	RHS	EMB	18000	15000	3000	PSCHPL/SCP/IE/2018/084	TES/IE/SCP/PIL/2018/061	Close	Approved
9	2	106+350 RHS (Kodali) EX - 01	4.0 km	RHS	EMB	30000	12041	17959	PSCHPL/SCP/IE/2020/670	TES/IE/SC/PIL/2020/477		Approved
10	2	106+350 RHS (Kodali) EX - 02	4.0 km	RHS	EMB	30000	10561.4	19438.6	PSCHPL/SCP/IE/2020/689	TES/IE/SC/PIL/2020/490		Approved
11	3	113+250 LHS Paalur	2.0 km	LHS	EMB	15000	0	15000	PSCHPL/SCP/IE/2018/101	TES/IE/SCP/PIL/2018/098		Approved
12	4	113+250 LHS Kattanakaram	4.0 km	LHS	EMB	15000	0	15000	PSCHPL/SCP/IE/2018/147	TES/IE/SCP/PIL/2018/122		Approved
13	5	113+250 LHS Manikudi	5.0 km	LHS	EMB	15000	0	15000	PSCHPL/SCP/IE/2018/116	TES/IE/SCP/PIL/2018/099		Approved
14	6	112+250 RHS Ammiyapan	8.0 km	RHS	EMB	15000	0	15000	PSCHPL/SCP/IE/2018/160	TES/IE/SCP/PIL/2018/131		Approved
15	7	80+500 RHS Palayan kottai	6.0 km	RHS	EMB	30000	149947	53	PSCHPL/SCP/IE/2018/160	TES/IE/SCP/PIL/2018/129		Approved
16	7	80+500 RHS Palayan kottai EX-01	6.0 km	RHS	EMB	60000			PSCHPL/SCP/IE/2019/374	TES/IE/SCP/PIL/2019/300		Approved
17	7	80+500 RHS Palayan kottai EX-02	6.0 km	RHS	EMB	60000			PSCHPL/SCP/IE/2019/396	TES/IE/SCP/PIL/2019/315		Approved
18	7	80+500 RHS Palayan kottai EX-03	6.0 km	RHS	EMB&SUBGRADE	60000	56527.5	3472.5	PSCHPL/SCP/IE/2019/435	TES/IE/SCP/PIL/2019/343		Approved
19	7	80+500 RHS Palayan kottai EX-04	6.0 km	RHS	EMB&SUBGRADE	30000	29994	6	PSCHPL/SCP/IE/2021/1005	TES/IE/SC/PIL/2021/645		Approved
20	7	80+500 RHS Palayan kottai EX-05	6.0 km	RHS	EMB&SUBGRADE	30000	26850	3150	PSCHPL/SCP/IE/2022/1083	TES/IE/SC/PIL/2022/682		Approved
21	7	80+500 RHS Palayan kottai EX-06	6.0 km	RHS	EMB&SUBGRADE	30000	25971	4029	PSCHPL/SCP/IE/2022/1101	TES/IE/SC/PIL/2022/736		Approved
22	7	80+500 RHS Palayan kottai EX-07	6.0 km	RHS	EMB&SUBGRADE	30000	23491	6509	PSCHPL/SCP/IE/2022/1107	TES/IE/SC/PIL/2022/724		Approved

23	7	80+500 RHS Palayan kottai EX-08	6.0 km	RHS	EMB	30000	5796	24204	PSCHPL/SCP/IE/2023/1449	TES/IE/SC/PIL/2023/877		
24	8	98+950 RHS Ponnery	5.0 km	RHS	EMB	30000	29679	321	PSCHPL/SCP/IE/2019/302	TES/IE/SCP/PIL/2019/247		Approved
25	8	98+950 RHS Ponnery EX-01	5.0 km	RHS	EMB&SUBGRADE	30000	11614	18386	PSCHPL/SCP/IE/2019/488	TES/IE/SCP/PIL/2019/386		Approved
26	9	106+320 RHS (Uthayanatham)	3.0 km	RHS	EMB	25500	39544	956	PSCHPL/SCP/IE/2019/302	TES/IE/SCP/PIL/2019/247		Approved
27	9	106+320 RHS (Uthayanatham EX-01)	3.0 km	RHS		15000			PSCHPL/SCP/IE/2019/472	TES/IE/SCP/PIL/2019/365		Approved
28	10	96+600 LHS (Pandianeery)	3.0 km	LHS	EMB	34500	63874	626	PSCHPL/SCP/IE/2019/302	TES/IE/SCP/PIL/2019/247		Approved
29	10	96+600 LHS (Pandianeery) EX-01	3.0 km	LHS		30000			PSCHPL/SCP/IE/2019/345	TES/IE/SCP/PIL/2018/268		Approved
30	10	96+600 LHS (Pandianeery) EX-02	3.0 km	LHS	EMB& RE WALL	18000		18000	PSCHPL/SCP/IE/2021/950	TES/IE/SC/PIL/2021/630		Approved
31	11	88+550 (Kaduvetti)	1.0 Km	LHS	EMB	25500	25816	-316	PSCHPL/SCP/IE/2019/335			Approved
32	11	88+550 (Kaduvetti) EX - 01	1.0 Km	LHS	EMB&SUBGRADE	30000	28498	1502	PSCHPL/SCP/IE/2019/352	TES/IE/SCP/PIL/2019/280		Approved
33	12	90+500 Puthueary	7.0 Km	RHS	EMB&SUBGRADE	30000	23157.4	6842.6	PSCHPL/SCP/IE/2019/390	TES/IE/SCP/PIL/2019/307		Approved
34	12	90+500 Puthueary EX-01	7.0 Km	RHS	RE WALL	30000	17933	12067	PSCHPL/SCP/IE/2019/510			
35	12	90+500 Puthueary EX-02	7.0 Km	RHS	EMB&SUBGRADE	30000	29782	218	PSCHPL/SCP/IE/2020/750			
36	13	87+900 Andi Madam	12.0 Km	RHS	Using For Filter Media							
37	14	87+900 Vilanthai	8.0 km	RHS								
38	15	87+600 Velaneary	4.0 km	RHS	EMB	18000	18193	-193	PSCHPL/SCP/IE/2019/387	TES/IE/SCP/PIL/2019/302		Approved
39	16	82+900 Aandi Palayam	2.0 Km	RHS	EMB	18000	4576	13424	PSCHPL/SCP/IE/2019/381	TES/IE/SCP/PIL/2019/299		Approved
40	16	82+900 Aandi Palayam EX-01	2.0 Km	RHS	RE WALL	36000	35953	47	PSCHPL/SCP/IE/2019/501	TES/IE/SC/PIL/2019/390		Approved
41	16	82+900 Aandi Palayam EX-02	2.0 Km	RHS	SUBGRADE& RE WALL	30000	30000	0	PSCHPL/SCP/IE/2020/758	TES/IE/SC/PIL/2020/528		Approved
42	16	82+900 Aandi Palayam EX-03	2.0 Km	RHS	SUBGRADE& RE WALL	30000	30000	0	PSCHPL/SCP/IE/2021/937	TES/IE/SC/PIL/2021/626		Approved
43	16	82+900 Aandi Palayam EX-04	2.0 Km	RHS	SUBGRADE& RE WALL	45000	44999.2	0.8	PSCHPL/SCP/IE/2021/977	TES/IE/SC/PIL/2021/637		Approved
44	16	82+900 Aandi Palayam EX-05	2.0 Km	RHS	SUBGRADE& RE WALL	30000	29923.2	76.8	PSCHPL/SCP/IE/2022/1126	TES/IE/SC/PIL/2022/740		Approved
45	16	82+900 Aandi Palayam EX-06	2.0 Km	RHS	SUBGRADE& RE WALL	30000	29568.8	431.2	PSCHPL/SCP/IE/2022/1139	TES/IE/SC/PIL/2022/749		Approved
46	16	82+900 Aandi Palayam EX-07	2.0 Km	RHS	SUBGRADE& RE WALL	30000	23580	6420	PSCHPL/SCP/IE/2022/1217	TES/IE/SC/PIL/2022/797		Approved
47	16	82+900 Aandi Palayam EX-08	2.0 Km	RHS	SUBGRADE& RE WALL	30000	3287	26713	PSCHPL/SCP/IE/2023/1418	TES/IE/SC/PIL/2023/866		Approved

48	17	94+400 kundaveli East	1.0 Km	LHS	EMB	30000	7428	22572	PSCHPL/SCP/IE/2019/408	TES/IE/SC/PIL/2019/320		Approved
49	18	83+000 Vanamadevi	1.0 Km	LHS	EMB	15000	5338	9662	PSCHPL/SCP/IE/2019/397	TES/IE/SC/PIL/2019/314		Approved
50	19	101+900 Thaluthalai Medu	1.0 Km	RHS	EMB	30000	22129	7871	PSCHPL/SCP/IE/2019/422	TES/IE/SC/PIL/2019/355		Approved
51	20	110+100 Athipakkam	6.0 km	RHS	EMB	15000	2580	12420	PSCHPL/SCP/IE/2019/452	TES/IE/SC/PIL/2019/354		Approved
52	21	103+200 Vembankudi	0.5 Km	LHS	SUBGRADE& RE WALL	30000	30000	0	PSCHPL/SCP/IE/2019/463	TES/IE/SC/PIL/2019/362		Approved
53	21	103+200 Vembankudi EX-01	0.5 Km	LHS	SUBGRADE& RE WALL	22500	20087	2413	PSCHPL/SCP/IE/2020/717	TES/IE/SC/PIL/2020/504		Approved
54	21	103+200 Vembankudi EX-02	0.5 Km	LHS	SUBGRADE& RE WALL	30000	27416	2584	PSCHPL/SCP/IE/2020/775	TES/IE/SC/PIL/2020/538		Approved
55	22	97+300 Muthuservamadam	2.0 Km	RHS	EMB	30000	20786	9214	PSCHPL/SCP/IE/2019/447	TES/IE/SC/PIL/2019/349		Approved
56	23	80+500 Kandiyankuppam	15.00	RHS	EMB&SUBGRADE	30000	59699	301	PSCHPL/SCP/IE/2019/561	TES/IE/SC/PIL/2019/418		Approved
57	23	80+500 Kandiyankuppam EX - 01	15.00	RHS	EMB&SUBGRADE	30000			PSCHPL/SCP/IE/2020/626	TES/IE/SC/PIL/2020/452		Approved
58	23	80+500 Kandiyankuppam EX - 02	15.00	RHS	EMB&SUBGRADE	30000	29538	462	PSCHPL/SCP/IE/2021/812	TES/IE/SC/PIL/2021/555		Approved
59	23	80+500 Kandiyankuppam EX - 03	15.00	RHS	EMB&SUBGRADE	30000	28380	1620	PSCHPL/SCP/IE/2021/845	TES/IE/SC/PIL/2021/576		Approved
60	24	106+900 Karaikuruchi	20.00	RHS	EMB	15000	15000	0	PSCHPL/SCP/IE/2020/636	TES/IE/SC/PIL/2020/453		Approved
61	24	106+900 Karaikuruchi EX - 01	20.00	RHS	SUBGRADE	30000	29711.5	288.5	PSCHPL/SCP/IE/2020/691	TES/IE/SC/PIL/2020/491		Approved
62	24	106+900 Karaikuruchi EX - 02	20.00	RHS	SUBGRADE	30000	29981.6	18.4	PSCHPL/SCP/IE/2021/961	TES/IE/SC/PIL/2021/632		Approved
63	24	106+900 Karaikuruchi EX - 03	20.00	RHS	SUBGRADE	30000	12384.4	17615.6	PSCHPL/SCP/IE/2021/1018	TES/IE/SC/PIL/2021/654		Approved
64	25	90+500 RHS (IDAIPALLAM)	6.00	LHS	EMB	15000	8255	6745	PSCHPL/SCP/IE/2020/637	TES/IE/SC/PIL/2020/454		Approved
65	25	90+500 RHS (IDAIPALLAM) EX-01	6.00	RHS	EMB&SUBGRADE	30000	20228	9772	PSCHPL/SCP/IE/2020/640	TES/IE/SC/PIL/2020/469		Approved
66	26	98+900 LHS (kommedu)	19.00	RHS	RE WALL	30000	28212	1788	PSCHPL/SCP/IE/2020/661	TES/IE/SC/PIL/2020/472		Approved
67	27	91+400RHS (pappakudi)	0.80	RHS	EMB	15000	14957	43	PSCHPL/SCP/IE/2020/657	TES/IE/SC/PIL/2020/471		Approved
68	28	92+600 RHS Chokalingapuram	0.70	RHS	EMB&SUBGRADE	30000	29982	18	PSCHPL/SCP/IE/2020/676	TES/IE/SC/PIL/2020/471		Approved
69	28	92+600 RHS Chokalingapuram EX-01	0.70	RHS	SUBGRADE	30000	26657	3343	PSCHPL/SCP/IE/2020/838	TES/IE/SC/PIL/2020/568		Approved
70	28	92+600 RHS Chokalingapuram EX-02	0.70	RHS	SUBGRADE	30000		30000	PSCHPL/SCP/IE/2022/1165	TES/IE/SC/PIL/2022/779		Approved
71	29	90+580 RHS Irudhayapuram	10.00	RHS	EMB	15000	13500	1500	PSCHPL/SCP/IE/2020/711	TES/IE/SC/PIL/2020/501		Approved
72	30	80+500 RHS Keelpathi	6.00	RHS	EMB & SUBGRADE	15000	14949	51	PSCHPL/SCP/IE/2020/711	TES/IE/SC/PIL/2020/501		Approved

73	30	80+500 RHS Keelpathi EX - 1	6.00	RHS	EMB & SUBGRADE	30000	29936	64	PSCHPL/SCP/IE/2021/926	TES/IE/SC/PIL/2021/618		Approved
74	30	80+500 RHS Keelpathi EX - 2	6.00	RHS	EMB & SUBGRADE	30000	27834	2166	PSCHPL/SCP/IE/2021/927	TES/IE/SC/PIL/2021/619		Approved
75	31	87+600 RHS Thirukalappur	10.00	RHS	SUBGRADE	30000	26955	3045	PSCHPL/SCP/IE/2020/717	TES/IE/SC/PIL/2020/504		Approved
76	32	106+300 RHS Keelnatham	35.00	RHS	SUBGRADE& RE WALL	30000	2947	27053	PSCHPL/SCP/IE/2020/725	TES/IE/SC/PIL/2020/505		Approved
77	33	87+600 RHS Thathur	10.00	RHS	EMB& RE WALL	30000	21273	8727	PSCHPL/SCP/IE/2020/736	TES/IE/SC/PIL/2020/511		Approved
78	35	115+250 RHS KADAMPANKUDI	6.00	RHS	EMB& RE WALL	30000	8811.2	21188.8	PSCHPL/SCP/IE/2020/812			
79	36	Thirukalapur kuppam	7.00	RHS	SUB & RE WALL	30000	29989	11	PSCHPL/SCP/IE/2020/838	TES/IE/SC/PIL/2020/569		Approved
80	36	Thirukalapur kuppam Ex - 1	7.00	RHS	SUB & RE WALL	30000	27334	2666	PSCHPL/SCP/IE/2021/887	TES/IE/SC/PIL/2021/598		Approved
81	36	Thirukalapur kuppam Ex - 2	7.00	RHS	SUB & RE WALL	30000	27563	2437	PSCHPL/SCP/IE/2021/936	TES/IE/SC/PIL/2021/625		Approved
82	37	Manalmedu(109+350)	10.00	RHS	EMB	18000	2249.5	15750.5	PSCHPL/SCP/IE/2021/844	TES/IE/SC/PIL/2021/574		Approved
83	38	Melur (98+900)	18.00	RHS	SUB & RE WALL	30000	23993.6	6006.4	PSCHPL/SCP/IE/2021/847	TES/IE/SC/PIL/2021/578		Approved
84	38	Melur (98+900) EX - 1	18.00	RHS	SUB & RE WALL	30000	5685	24315	PSCHPL/SCP/IE/2021/886	TES/IE/SC/PIL/2021/599		Approved
85	39	Thirukalapur South (87+600)	10.00	RHS	EMB	18000	2415	15585	PSCHPL/SCP/IE/2021/853	TES/IE/SC/PIL/2021/584		Approved
86	40	Kaduvetti (88+750)	0.5KM	RHS	EMB & RE Wall Median filling	30000	29715	285	PSCHPL/SCP/IE/2021/954	TES/IE/SC/PIL/2021/631		Approved
87	41	Simustnam	17KM	RHS	SUB GRADE & RE WALL	30000	29959	41	PSCHPL/SCP/IE/2022/1062	TES/IE/SC/PIL/2022/669		Approved
88	41	Simustnam (ex-01)	17KM	RHS	SUB GRADE & RE WALL	30000	29294	706	PSCHPL/SCP/IE/2022/1086	TES/IE/SC/PIL/2022/686		Approved
89	41	Simustnam (ex-02)	17KM	RHS	SUB GRADE & RE WALL	30000	29739	261	PSCHPL/SCP/IE/2022/1102	TES/IE/SC/PIL/2022/717		Approved
90	41	Simustnam (ex-03)	17KM	RHS	SUB GRADE & RE WALL	30000	15250	14750	PSCHPL/SCP/IE/2022/1118	TES/IE/SC/PIL/2022/784		Approved
91	41	Simustnam (ex-04)	17KM	RHS	SUB GRADE & RE WALL	30000		30000	PSCHPL/SCP/IE/2022/1201	TES/IE/SC/PIL/2022/803		Approved
92	42	Silal	12KM	RHS	EMB	18000	17790	210	PSCHPL/SCP/IE/2022/1139	TES/IE/SC/PIL/2022/746		Approved
93	43	Kodangudi	44KM	RHS	EMB,SUB	30000	6808	23192	PSCHPL/SCP/IE/2022/1170	TES/IE/SC/PIL/2022/783		Approved
94	44	Stahampadi	41KM	RHS	RE WALL	30000	23055	6945	PSCHPL/SCP/IE/2023/1300	TES/IE/SC/PIL/2023/828		Approved
95	45	Suthamalli	43KM	RHS	EMB	30000	30000	0	PSCHPL/SCP/IE/2023/1376	TES/IE/SC/PIL/2023/850		Approved
96	45	Suthamalli EX-01	43KM	RHS	EMB	30000	6603	23397	PSCHPL/SCP/IE/2023/1473	TES/IE/SC/PIL/2023/888		Approved
97	46	Kulathoor	24KM	RHS	RE WALL	30000		30000	PSCHPL/SCP/IE/2023/1498	TES/IE/SC/PIL/2023/889		Approved

98	47	Paravathipuram	3KM	RHS	RE WALL	30000		30000	PSCHPL/SCP/IE/2023/1506	TES/IE/SC/PIL/2023/891		Approved
					TOTAL QTY EMB M^3	961500						
					TOTAL QTY SUBGRADE M^3	150000						
					TOTAL QTY EMB&SUBGRADE M^3	495000						
					TOTAL QTY RE WALL M^3	66000						
					TOTAL QTY SUBGARDE&RE WALL M^3	412500						
					TOTAL EMB & RE WALL M^3	60000						
					TOTAL QTY M^3	2145000						
FLYASH CONSUMPTION (UPTO 31/05/2023)												
1	1	FLYASH Ex-01	30 Km	LHS		25500			PSCHPL/SCP/IE/2018/122	TES/IE/SC/PIL/2018/101		Approved
2	2	FLYASH EX-02	30 Km	LHS		25500			PSCHPL/SCP/IE/2019/303	TES/IE/SC/PIL/2019/255		Approved
3	3	FLYASH EX-03	30 Km	LHS		30000						Approved
4	4	FLYASH EX-04	30 Km	LHS		30000			PSCHPL/SCP/IE/2019/448	TES/IE/SC/PIL/2019/350		Approved
5	5	FLYASH EX-05	30 Km	LHS		45000			PSCHPL/SCP/IE/2019/489	TES/IE/SC/PIL/2019/385		Approved
6	6	FLYASH EX-06	30 Km	LHS		30000			PSCHPL/SCP/IE/2019/518	TES/IE/SC/PIL/2019/400		Approved
7	7	FLYASH EX-07	30 Km	LHS		30000			PSCHPL/SCP/IE/2019/570	TES/IE/SC/PIL/2019/430		Approved
8	8	FLYASH EX-08	30 Km	LHS		30000			PSCHPL/SCP/IE/2019/571	TES/IE/SC/PIL/2019/431		Approved
9	9	FLYASH EX-09	30 Km	LHS		30000			PSCHPL/SCP/IE/2020/728	TES/IE/SC/PIL/2020/512		Approved
10	10	FLYASH EX-10	30 Km	LHS		30000			PSCHPL/SCP/IE/2020/761	TES/IE/SC/PIL/2020/527		Approved
11	11	FLYASH EX-11	30 Km	LHS	RE WALL	30000	663873	32127	PSCHPL/SCP/IE/2021/814	TES/IE/SC/PIL/2021/554		Approved
12	12	FLYASH EX-12	31 Km	LHS		30000			PSCHPL/SCP/IE/2021/828	TES/IE/SC/PIL/2021/558		Approved
13	13	FLYASH EX-13	30 Km	LHS		30000			PSCHPL/SCP/IE/2021/846	TES/IE/SC/PIL/2021/577		Approved
14	14	FLYASH EX-14	31 Km	LHS		30000						
15	15	FLYASH EX-15	31 Km	LHS		30000			PSCHPL/SCP/IE/2021/919	TES/IE/SC/PIL/2021/613		Approved
16	16	FLYASH EX-16	32 Km	LHS		30000			PSCHPL/SCP/IE/2021/917	TES/IE/SC/PIL/2021/612		Approved
17	17	FLYASH EX-17	32 Km	LHS		30000			PSCHPL/SCP/IE/2021/949	TES/IE/SC/PIL/2021/629		Approved
18	18	FLYASH EX-18	32 Km	LHS		45000			PSCHPL/SCP/IE/2021/960	TES/IE/SC/PIL/2021/633		Approved
19	19	FLYASH EX-19	32 Km	LHS		60000			PSCHPL/SCP/IE/2021/964	TES/IE/SC/PIL/2021/634		Approved
20	20	FLYASH EX-20	32 Km	LHS		45000			PSCHPL/SCP/IE/2022/1092	TES/IE/SC/PIL/2022/690		Approved
21	21	FLYASH EX-21	32 Km	LHS		30000			PSCHPL/SCP/IE/2023/1371	TES/IE/SC/PIL/2023/846		Approved

Four Laning of Sethiyahopu - Cholopuram From km 65.960 to km 116.440 Section of NH-45C in the State of TamilNadu Under NHDP Phase-IV on Hybrid Annuity Mode

SOURCE APPROVAL SUMMARY

S.No	Item	Source	Submission Letter No	Approved Letter No	Remarks
1	Quality Assurance Plan (QAP)	M/s Patel Infrastructure Ltd	PSCHPL/SCP/IE/2018/019	TES/IE/SC/PIL/2018/034	Approved
2	Cement	M/s Ramco Cements Limited, Chennai.	PSCHPL/SCP/IE/2018/012	TES/IE/SC/PIL/2018/005	Approved
		M/s Dalmia Bharat Cement, Ariyalur	PSCHPL/SCP/IE/2018/009	TES/IE/SC/PIL/2018/006	Approved
		M/s Ultratech	PSCHPL/SCP/IE/2018/090	TES/IE/SC/PIL/2018/060	Approved
		M/s India Cement (Coremendal)	PSCHPL/SCP/IE/2018/063	TES/IE/SC/PIL/2018/040	Approved
		M/s Chettinad Cement, Chennai.	PSCHPL/SCP/IE/2018/009	TES/IE/SC/PIL/2018/052	Approved
		M/s Barathi Cement,	PSCHPL/SCP/IE/2018/154	TES/IE/SC/PIL/2018/128	Approved
		M/s JSW Cement,	PSCHPL/SCP/IE/2018/294	TES/IE/SC/PIL/2018/257	Approved
3	Steel	M/s Jindal Steel & Power Limited, New Delhi.	PSCHPL/SCP/IE/2018/202	TES/IE/SC/PIL/2018/010	Approved
		M/s shyam Steel	PSCHPL/SCP/IE/2018/202	TES/IE/SC/PIL/2018/016	Approved
		M/s Kamachi Industries limited, Chennai.	PSCHPL/SCP/IE/2018/301	TES/IE/SC/PIL/2018/056	Approved
		M/s SAIL	PSCHPL/SCP/IE/2018/202	TES/IE/SC/PIL/2018/173	Approved
		M/s VIZAG STEEL	PSCHPL/SCP/IE/2018/202	TES/IE/SC/PIL/2018/173	Approved
		M/s Tata Steel Limited,	PSCHPL/SCP/IE/2018/202	TES/IE/SC/PIL/2018/173	Approved
		M/s Essar Steel Ltd,	PSCHPL/SCP/IE/2018/202	TES/IE/SC/PIL/2018/173	Approved
		M/s Electrosteel Steels Limited,	PSCHPL/SCP/IE/2018/202	TES/IE/SC/PIL/2018/173	Approved
		M/s Agarwal Foundries pvt Limited,	PSCHPL/SCP/IE/2019/516	TES/IE/SC/PIL/2019/402	Approved
4	HT strands	M/s Usha Martin Limited	PSCHPL/SCP/IE/2018/286	Factory visit Required	
		M/s D.P.Wires Limited	PSCHPL/SCP/IE/2018/045	PSCHPL/SCP/IE/2018/028	Approved
		M/s Kataria industries Pvt Ltd,	PSCHPL/SCP/IE/2018/253	TES/IE/SC/PIL/2018/213	Approved
5	Prestressing Agency	M/s Dynamic Prestressing India Pvt. Ltd	PSCHPL/SCP/IE/2018/059	TES/IE/SC/PIL/2018/037	Approved
6	Mechanical couplers	M/s Unitech couplers India (P) ltd., Coimbatore.	PSCHPL/SCP/IE/2018/018	TES/IE/SC/PIL/2018/009	Approved
		M/s Spplicetek India Pvt Ltd., Mumbai.	PSCHPL/SCP/IE/2018/018	Factory visit Required	
7	Chemical Admixture	M/s Fosroc, Bangalore	PSCHPL/SCP/IE/2018/008	TES/IE/SC/PIL/2018/003	Approved
		M/s Kunal Conchem Pvt.Ltd, Faridabad	PSCHPL/SCP/IE/2018/008	TES/IE/SC/PIL/2018/067	Approved
		M/s Rheoplast Technology Pvt. Ltd, Mumbai	PSCHPL/SCP/IE/2018/008	TES/IE/SC/PIL/2018/066	Approved
		M/s BASF India Limited	PSCHPL/SCP/IE/2018/072	TES/IE/SC/PIL/2018/042	Approved
		M/s Sika India Pvt Ltd,	PSCHPL/SCP/IE/2018/272	TES/IE/SC/PIL/2018/234	Approved
		M/s B&B Specialities India Pvt ltd,	PSCHPL/SCP/IE/2018/233	TES/IE/SC/PIL/2018/179	Approved
		M/S CAC Pvt Ltd,	PSCHPL/SCP/IE/2018/219	TES/IE/SC/PIL/2018/180	Approved
		M/s CBS Chemicals,	PSCHPL/SCP/IE/2018/293	TES/IE/SC/PIL/2018/256	Approved
8	Curing Compound	M/s Kunal Conchem Pvt.Ltd, Faridabad	PSCHPL/SCP/IE/2018/094	TES/IE/SC/PIL/2018/067	Approved
		M/s CBS Chemicals Pvt.Ltd, Faridabad	PSCHPL/SCP/IE/2019/464	TES/IE/SC/PIL/2019/369	Approved
		M/s Indian Oil Corporation	PSCHPL/SCP/IE/2018/061	TES/IE/SC/PIL/2018/039	Approved
		M/s IWL India Limited	PSCHPL/SCP/IE/2018/073	TES/IE/SC/PIL/2018/054	Approved

9	**Emulsion**	M/s Hindustan Colas Private Limited	PSCHPL/SCP/IE/2018/062	TES/IE/SC/PIL/2018/035	**Approved**
		M/s Ooms Polymer Modified Bitumen Pvt Ltd,	PSCHPL/SCP/IE/2018/314	TES/IE/SC/PIL/2018/254	**Approved**
		M/s Tiki Tar and shell india pvt ltd	PSCHPL/SCP/IE/2020/674	TES/IE/SC/PIL/2020/485	**Approved**
10	**Bitumen**	M/s Indian Oil Corporation	PSCHPL/SCP/IE/2018/061	TES/IE/SC/PIL/2018/039	**Approved**
		M/s Hindustan Colas Private Limited	PSCHPL/SCP/IE/2018/282	TES/IE/SC/PIL/2018/0238	**Approved**
		M/s IWL India Limited	PSCHPL/SCP/IE/2018/073	TES/IE/SC/PIL/2018/054	**Approved**
		M/s Tiki Tar industries,	PSCHPL/SCP/IE/2018/250	TES/IE/SC/PIL/2018/0215	**Approved**
		M/s Ooms Polymer Modified Bitumen Pvt Ltd, (PMB)	PSCHPL/SCP/IE/2021/806	Factory visit Required	
		M/s BITCOL Corporation india Pvt.Ltd	PSCHPL/SCP/IE/2021/920	TES/IE/SC/PIL/2021/611	**Approved**
		M/s Hincol (HCPL) PMB 70 H10	PSCHPL/SCP/IE/2021/810	TES/IE/SC/PIL/2021/557	**Approved**
11	**Mastic Ashophalt**	M/s IWL India Limited	PSCHPL/SCP/IE/2018/073	TES/IE/SC/PIL/2018/053	**Approved**
12	**Micro Silica**	M/s Elkem South Asia pvt Ltd,	PSCHPL/SCP/IE/2018/201	TES/IE/SC/PIL/2018/170	**Approved**
13	**Anti Stripping**	M/s HCPL & Tiki Tar Pvt Ltd,	PSCHPL/SCP/IE/2019/495	TES/IE/SC/PIL/2019/384	**Approved**
14	**Micro Fine**	M/s Suyag Elements India Pvt Ltd	PSCHPL/SCP/IE/2020/614	TES/IE/SC/PIL/2020/449	**Approved**
15	**Expansion Joint**	M/s Kantaflex India Pvt Ltd	PSCHPL/SCP/IE/2020/784	TES/IE/SC/PIL/2021/544	**Approved**
		M/s Sanfield India Ltd	PSCHPL/SCP/IE/2020/781	TES/IE/SC/PIL/2021/543	**Approved**
		M/s Hercules Structural Systems Pvt Ltd	PSCHPL/SCP/IE/2020/782	TES/IE/SC/PIL/2021/545	**Approved**
16	**Road Marking**	M/s Solucio iffrasolutions Pvt	PSCHPL/SCP/IE/2021/894	TES/IE/SC/PIL/2021/607	**Approved**
17	**Metal Beam CrashBarrier**	M/s Roadshield Pvt	PSCHPL/SCP/IE/2021/893	TES/IE/SC/PIL/2021/608	**Approved**
18	**TRAFFIC SIGN BOARDS**	M/s S.N.I Infratech Pvt Ltd	PSCHPL/SCP/IE/2020/744	TES/IE/SC/PIL/2020/744	**Approved**
19	**Elastomeric Bearings**	M/s Polymer Products Pvt Ltd	PSCHPL/SCP/IE/2020/595	TES/IE/SC/PIL/2020/451	**Approved**
		M/s Sanfield India Ltd	PSCHPL/SCP/IE/2018/228,168	TES/IE/SC/PIL/2019/205	**Approved**
		M/s Ammenji Rubber pvt Ltd	PSCHPL/SCP/IE/2018/144	TES/IE/SC/PIL/2018/127	**Approved**
20	**Highway Lighting**	M/s PCP Powers pvt Ltd	PSCHPL/SCP/IE/2020/788	TES/IE/SC/PIL/2021/542	**Approved**
21	**Road Studs**	M/s 3M Indian Limited	PSCHPL/SCP/IE/2021/987		

PATEL SETHIYAHOPU CHOLOPURAM HIGHWAY PVT. LTD.

Four Laning of Sethiyahopu - Cholapuram from Km. 65.960 to 116.440 section of NH-45C in the state of Tamil Nadu under NHDP Phase-IV on Hybrid Annuity Mode

STATUS OF NCR

Sl No	NCR NO	Date	Location		Description of NCR	NCR Issued reference	Concessionaire Reply Reference	NCR Closed Reference	Remarks
			From	To					
1	NCR - 01	30.01.2019	Box Culver at Km:76+390 (LHS)		Improper Ground Improvement for Box culvert at Km:76+390	Lr.No.221_30.01.2019	Lr.No.280_14.02.2019	Lr.No.258_20.03.2019	Closed
2	NCR - 02	23.05.2019	Minor Bridge at Km:79+795 (LHS)		a) Improper compaction/vibration f Abtment -1 wall 2nd lift lead to honey combs. b) No cover to the reinforcement in Abutment - 1 wall 2nd lift	Lr.No.304_23.05.2019	Lr.No.956_13.08.2021	Lr.No.630A_13.08.2021	Closed
3	NCR - 03	23.05.2019	Abutment A2 of Minor Bridge at Km:85+435 (LHS)		Improper alignment (plumb) of Abutment-2 wall 2nd lift	Lr.No.305_23.05.2019	Lr.No.958_15.08.2021	Lr.No.631A_21.08.2021	Closed
4	NCR - 04	23.05.2019	Pile cap for Abutment A2 of VUP at Km.102+975 LHS		Honey combs in Pile cap for Abutment A2 of VUP at Km. 102+975 LHS	Lr.No.306_23.05.2019	Lr.No.959_15.08.2021	Lr.No.632A_31.08.2021	Closed
5	NCR - 05	15.11.2019	HW between Km:93+900 to Km.94+200 (RHS)		Rectification required in Median kerb	Lr.No.403_15.11.2019 Lr.No.478_09.07.2020	Lr.No.1008_22.11.2021	Lr.No.646_26.11.2021	Closed
6	NCR - 06	13.12.2019	HW between Km:82+850 to Km.82+970 (RHS)		WMM segregation	Lr.No.429_13.12.2019	Lr.No.786_23.12.2020	Lr.No.551_29.01.2021	Closed
7	NCR - 07	09.07.2020	Diversion road damaged at Km:97+300 to Km:97+600		Diversion road damaged	Lr.No.476_09.07.2020	Lr.No.727_02.10.2020	Lr.No.509_14.10.2020	Closed
8	NCR - 08	23.07.2020	95+990 to 96+100(RHS) 96+230 to Km:96+300(RHS)		Improper laying of Kerb and not as per approved drawings	Lr.No.482_23.07.2020	Lr.No.1009_22.11.2021	Lr.No.647_26.11.2021	Closed
9	NCR - 09	31.07.2020	96+300 to 96+400(RHS)		Kerb mould is not as per the approved drawings	Lr.No.484_31.07.2020	Lr.No.1010_22.11.2021	Lr.No.648_27.11.2021	Closed
10	NCR - 10	18.08.2020	96+100 to 96+220(RHS)		Kerb mould is not as per the approved drawings	Lr.No.489_18.08.2020	Lr.No.1011_22.11.2021	Lr.No.649_29.11.2021	Closed
11	NCR - 11	12.11.2020	Km.83+950 to Km.84+100		Excavated Embankment fill and used in Subgrade layer	Lr.No.523_12.11.2020	Lr.No.774_02.12.2020	Lr.No.552_29.01.2021	Closed
12	NCR - 12	02.12.2021	Km.83+940 to Km.84+080 (LHS)		Median kerb laying is not in line and level	Lr.No.531_02.12.2021	Lr.No.1012_22.11.2021	Lr.No.650_29.11.2021	Closed
13	NCR - 13	03.04.2021	Box Culvert at Km:77+766 (LHS)		Box Culvert without proper shuttering and reinforcement exposed.	Lr.No.587_03.04.2021	Lr.No.888_12.05.2021	Lr.No.597A_12.05.2021	Closed
14	NCR - 14	05.05.2021	RE wall of VUP at Km:90+580		Unsuitable soil is used in RE wall embankment filling at Km:90+580 (VUP)	Lr.No.596_05.05.2021	Lr.No.892_18.05.2021	Lr.No.603_22.06.2021	Closed
15	NCR - 15	20.09.2022	Km 70+160 to 70+200		Mismatching of FRL with approved Plan & Profile	Lr.No.788_20.09.2022	Lr.No.1323_07.01.2023	Lr.No.829_10.01.2023	Closed

7. Weather Report -Meensurutti

Date	Temperature (°C)		Rainfall in mm	Humidity in %		Remarks
	Max	Min		Max	Min	
1-May-2023	35.3	29.7	17.00	79	44	Rainy
2-May-2023	29.1	26.9	0.00	92	62	Cloudy
3-May-2023	33.4	29.3	0.00	86	70	Sunny
4-May-2023	32.7	29.0	0.00	80	66	Sunny
5-May-2023	32.8	27.9	0.00	81	56	Sunny
6-May-2023	33.6	29.7	20.00	79	48	Rainy
7-May-2023	32.7	28.2	8.00	83	42	Rainy
8-May-2023	33.2	26.3	0.00	76	46	Sunny
9-May-2023	33.7	30.3	20.00	77	50	Rainy
10-May-2023	33.4	30.4	0.00	82	52	Sunny
11-May-2023	32.9	29.8	0.00	85	50	Sunny
12-May-2023	33.1	30.5	0.00	73	48	Sunny
13-May-2023	33.7	31.2	0.00	73	49	Sunny
14-May-2023	33.6	31.4	0.00	68	47	Sunny
15-May-2023	34.0	31.6	0.00	72	45	Sunny
16-May-2023	40.1	31.8	0.00	67	41	Sunny
17-May-2023	40.9	31.6	0.00	74	40	Sunny
18-May-2023	40.7	32.1	0.00	77	39	Sunny
19-May-2023	41.1	31.8	0.00	74	40	Sunny
20-May-2023	41.2	32.5	0.00	75	39	Sunny
21-May-2023	41.9	31.8	0.00	69	40	Sunny
22-May-2023	40.8	32.5	0.00	71	42	Sunny
23-May-2023	40.9	31.2	0.00	72	41	Sunny
24-May-2023	39.8	31.1	0.00	73	43	Sunny
25-May-2023	40.2	31.7	0.00	74	40	Sunny
26-May-2023	40.1	32.5	20.00	73	41	Rainy
27-May-2023	40.4	29.9	0.00	76	41	Sunny
28-May-2023	41.1	29.7	0.00	75	39	Sunny
29-May-2023	41.7	30.4	0.00	74	40	Sunny
30-May-2023	40.3	31.5	0.00	72	39	Sunny
31-May-2023	40.7	31.2	0.00	70	39	Sunny

Date	Temperature (ºC)		Rainfall in mm	Humidity in %		Remarks
	Max	Min		Max	Min	
1-May-2023	31.4	23.9	22.00	85	60	Rainy
2-May-2023	30.2	24.7	0.00	89	62	Cloudy
3-May-2023	33.1	29.1	0.00	87	66	Sunny
4-May-2023	32.5	29.4	0.00	84	60	Sunny
5-May-2023	32.7	27.7	0.00	82	57	Sunny
6-May-2023	33.4	29.2	26.00	79	51	Rainy
7-May-2023	32.6	28.9	10.00	81	49	Rainy
8-May-2023	33.4	26.2	0.00	79	47	Sunny
9-May-2023	33.9	30.1	24.00	77	50	Rainy
10-May-2023	33.1	30.3	0.00	81	55	Sunny
11-May-2023	32.8	29.7	0.00	84	50	Sunny
12-May-2023	33.2	30.3	0.00	79	46	Sunny
13-May-2023	33.6	31.4	0.00	76	48	Sunny
14-May-2023	33.4	31.2	0.00	70	49	Sunny
15-May-2023	34.0	31.7	0.00	77	48	Sunny
16-May-2023	37.1	31.9	0.00	71	49	Sunny
17-May-2023	39.4	32.2	0.00	74	45	Sunny
18-May-2023	40.7	31.7	0.00	78	43	Sunny
19-May-2023	41.2	32.6	0.00	80	41	Sunny
20-May-2023	41.3	32.4	0.00	77	45	Sunny
21-May-2023	41.8	31.9	0.00	81	47	Sunny
22-May-2023	40.7	33.1	0.00	79	45	Sunny
23-May-2023	40.4	31.6	0.00	74	41	Sunny
24-May-2023	39.7	31.3	0.00	78	49	Sunny
25-May-2023	40.3	31.9	0.00	74	40	Sunny
26-May-2023	40.6	32.5	0.00	73	44	Sunny
27-May-2023	40.4	29.8	27.00	80	46	Rainy
28-May-2023	41.7	29.4	0.00	75	39	Sunny
29-May-2023	41.4	30.8	0.00	79	41	Sunny
30-May-2023	40.6	31.4	0.00	74	47	Sunny
31-May-2023	40.2	31.7	0.00	70	46	Sunny

8. Safety

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

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

Safety instructions given to labours at Km.107+400 (Major bridge)

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

1. Additional land acquisition for the construction of bus bays/bus shelter, turning radius of major junctions along the project highways.

2. Insufficient Right of Way with respect to the land handed over as per Clause 10.3.1 of Concession Agreement at the time of Signing of Joint Memorandum.

3. NOC from PWD/WRO, Govt. of Tamil Nadu for the construction of project highways in the existing pond locations as mentioned below in the tabular form:-

Sl No	Chainage		Length Affected (M)	Side	AVG Toe Width from CL "A"	Width/distance of Pond Edge from CL "C"
	From	To				
1	75+557	75+632	74.75	RHS	32.50	7.00
2	77+330	77+400	70.00	LHS	28.16	3.00
3	80+396	80+415	19.00	LHS	27.00	7.00
4	80+400	80+423	23.00	RHS	24.00	6.50
5	97+376	97+535	159.00	RHS	32.67	11.00
6	100+350	100+389	39.00	LHS	22.70	4.00
7	103+039	103+056	17.60	LHS	23.00	6.60
8	103+125	103+360	235.00	LHS	23.00	6.00
9	104+091	104+262	171.00	RHS	23.00	16.80
10	103+992	104+264	271.50	LHS	23.00	10.90
TOTAL			1079.85			

4. Removal/relocation of existing irrigation sluice and regulator at the following locations:-

Sl. No.	Chainage	Distance from PCL	Remarks/Action to be taken	Present Status
1	81+850	9.3m	To be shifted to edge of PROW	Deposit Amount remitted to PWD/WRO. Work in progress
2	81+870	1.8m	To be shifted to edge of PROW	
3	81+910	1.8m	To be shifted to edge of PROW	
4	82+010	1.8m	To be shifted to edge of PROW	
5	82+100	7.4m	To be shifted to edge of PROW	

5. Estimate for shifting of water supply utilities in Missing locations-Request Authority for earlier Approval.

6. Unprecedented/Unseasonal heavy rainfall within the project alignment affecting the construction activities and progress of work at site.

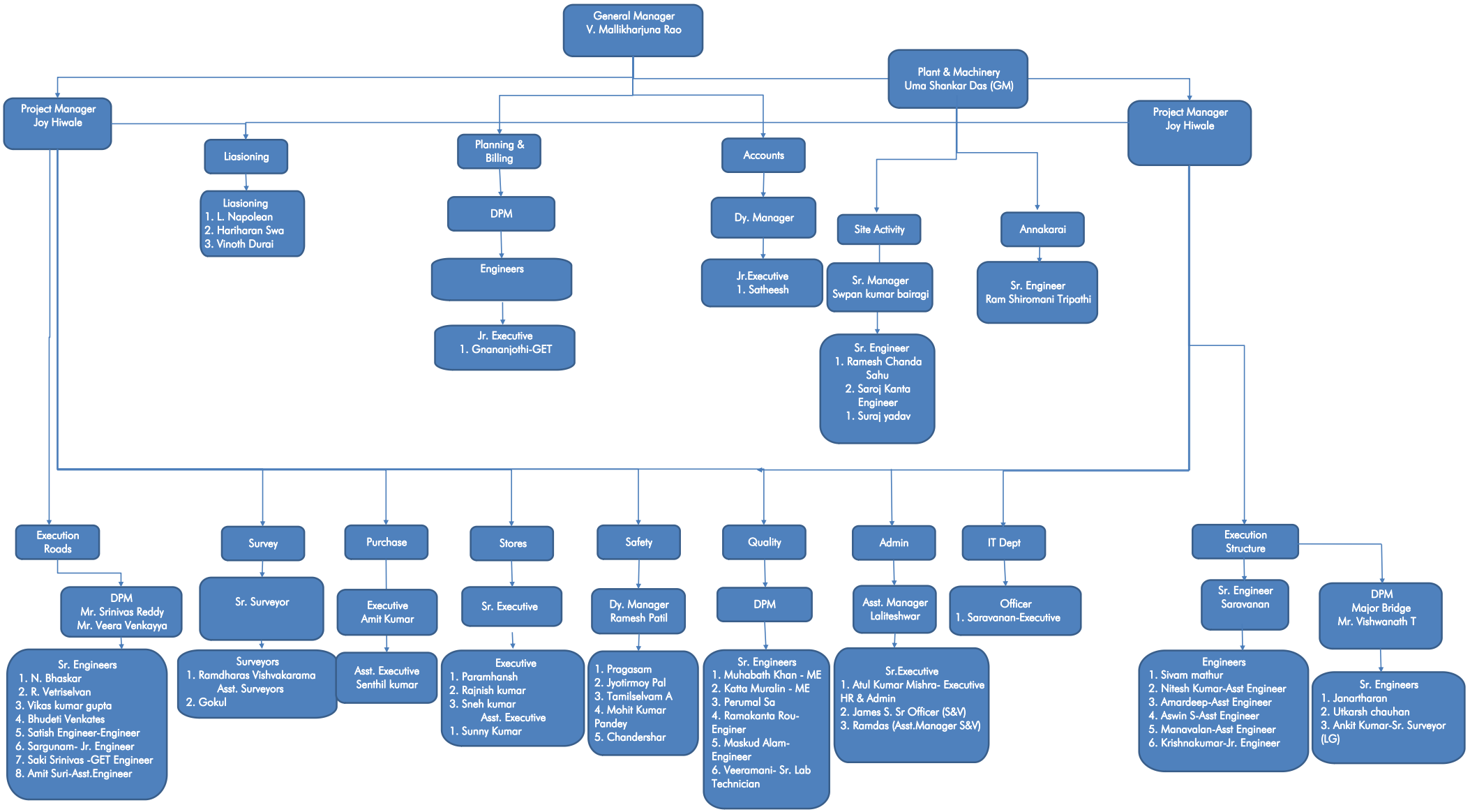
Table 10.1. Details of Important Events

Sl. No	Date of Events	Description of Events	Remarks
1	06.05.2023	Site visit by RO Madurai	
2	08.05.2023 & 09.05.2023	Safety Auditor visit	
3	21.05.2023	Site visit by RO Madurai	

The following figures represents the organization chart of the EPC and SPV Team.

1. Fig. 4 - Organization Chart - EPC Team
2. Fig. 5 - Organization Chart - SPV Team

ORGANIZATION CHART - EPC TEAM



ORGANIZATION CHART - SPV TEAM

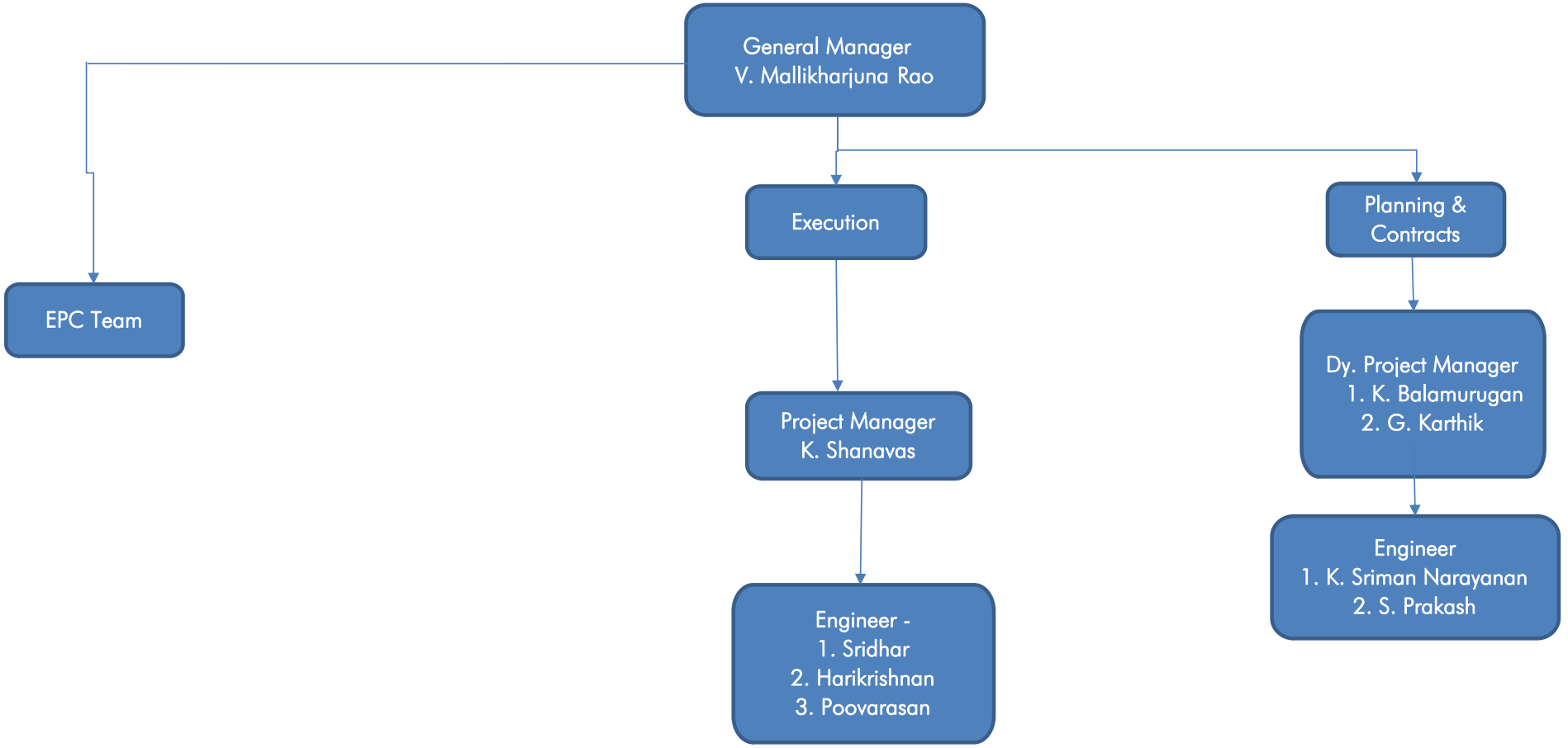


Table 12.1 Mobilization of Manpower

Sr. No.	Department	Manager	Engineer / Executive	Supervisor / Technician / Helper	Total	Remarks
A1	GENERAL MANAGER	2			2	
A2	SR/ PROJECT MANAGER	2			2	
B	Project Management					
B.1	Planning & Billing	4	5		9	
B.2	HR & Administration	1	1		2	
B.3	Accounts	1			1	
B.4	Safety	1	1	3	5	
B.5	QA / QC	1	5	1	7	
B.6	Legal & Liasioning	1	2		3	
B.7	Purchase	1	1		2	
B.8	Store		13	4	17	
B.9	Plant & Equipment	4	9	243	256	
B.10	Facility & House Keeping			10	10	
C	Project Execution					
C.1	Road	1	13	6	20	
C.2	Structures	2	7	7	16	
C.3	Survey	1	2	2	5	
D	Labours			171	171	
	Grand Total	22	59	447	528	

Table 13.1 - List of Plants, Machinery and Equipment's

Sr. No.	Name of the Machinery	Capacity / Model	Mobilized in Nos.	Remarks
1	Grader	120K2	5	
2	Excavator	JCB-220	8	
3	Dozer		4	
4	Soil Compactor	HAMM 311	7	
5	Backhoe Loader	JCB 3DX	8	
6	Tipper	Bharat Benz- 3128C	310	
7	Transit Mixture	2523C	9	
8	Loader	455 ZX	7	
9	Trailer		2	
10	Diesel Tanker		2	
11	Kerb Laying machine		1	
12	Light Moving Vehicles/Car/Jeep/Vans		30	
13	Milling Machine		1	
14	PT Roller		1	
15	Tandem Roller		3	
16	Water Tanker		9	
17	Boom Placer	S-36	1	
18	Baby Roller	VMT-330	2	
19	Bitumen Sprayer	Eicher	2	
20	Paver		3	
21	Tractor	5036 D V-2	6	
22	Mobile Service Van		1	
23	Tower Light	AJASKY	9	
24	Hydra Crane		3	
25	Asphalt Batch Mix Plant		1	
26	Wet Mix Plant	250 TPH	1	
27	Concrete Batch Mix Plant	45 cum	1	
28	Crusher Plant (3 Stage)	250 TPH	2	
29	Weigh Bridge for Camp 100MT	100MT	2	
30	Weigh Bridge for Crusher 100MT	100MT	2	
31	Genset Base Camp	25KV	2	
32	Genset 63KVA Boiler	63KVA Boiler	1	

33	Genset (H.M & B/P)	82.50KV	3	
34	Genset (B/P-CP-45)	125KV	4	
35	Genset Concrete Plant-180 KVA	180 KVA	3	
36	Genset (Crusher)	1010KVA	1	
37	Genset 63KVA	62.5 KVA	2	
38	Genset 650KV	650KV	1	
39	Genset 15KV	15KV	2	
40	Genset 80KV	80KV	2	
41	Genset 40KV	40KV	4	
42	Genset 82.5KV	82.50KV	3	
43	Gantry at Box Segment Casting Yard	100 MT	2	
44	Launching Girder		2	

Table 14.1 - Status of Change of Scope Proposals

Sl. No	Proposal Details	Date of Proposal	Current Status	COS Amount	Actual Date of Approval
1	Replacement of Pipe Culverts with Box Culverts	23.03.2018	Approved	3.21 Cr	21.02.2020
2	Strengthening/ upgrade the incident Management Service	10.05.2019	Required COS notice for Strengthening/upgrade the incident Management Service.	NA	NA
3	Comprehensive –COS 02	20.08.2018	Approved	(-) 4.69 Cr.	23.06.2021
4	Additional work required to be done as per demand of local public	17.03.2023	Tentative cost estimate recommended by IE for obtaining the receipt of Change of Scope notice from the competent authority.	18.43 Cr. (Tentative cost as recommended by IE)	

The following tables list out the correspondences between the parties:-

Table 15.1. - Concessionaire to NHAI

Table 15.2. - NHAI to Concessionaire

Table 15.3. - Concessionaire to Independent Engineer

Table 15.4. - Independent Engineer to Concessionaire

Four laning of Sethiyahopu to Cholapuram from Km 65.960 to 116.440 section of NH-45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode.				
TABLE 14.1 - CORRESPONDANCE - CONCESSIONAIRE TO NHAI				
Sr. No.	Date	Letter No	Subject	Remarks
1	02.05.2023	PSCHPL/SCP/NHAI/2023/1472	Submission of GST payment Auditor certificate for RA Bill-02-Veeranam	
2	04.05.2023	PSCHPL/SCP/NHAI/2023/1476	Recording of Drone video for the month of April 2023	
3	04.05.2023	PSCHPL/SCP/NHAI/2023/1477	Submission of RA Bill-04 for recording of drone video	
4	04.05.2023	PSCHPL/SCP/NHAI/2023/1478	Construction activities hampered due to unseasonal heavy rainfall	
5	05.05.2023	PSCHPL-HO-SCP-PIU-016-2023	Recovery of Advances - Reg	
6	09.05.2023	PSCHPL/SCP/NHAI/2023/1490	Submission of Extended CAR policy - Reg	
7	10.05.2023	PSCHPL/SCP/NHAI/2023/1493	Work hampered due to public protest at Km. 77+420	
8	13.05.2023	PSCHPL/SCP/NHAI/2023/1499	Work hampered due to local public objection to carry out the construction activities at Km. 105+210	
9	13.05.2023	PSCHPL/SCP/NHAI/2023/1500	Construction works hampered due to release of water in vellar river and kollidam river-reg	
10	15.05.2023	PSCHPL-HO-SCP-PIU-018-2023	GST impact calculation revision in GST under change in Law of Cl 35.1 of CA	
11	19.05.2023	PSCHPL-HO-SCP-PIU-020-2023	Sub of Extension Guarantee bond 2nd Mobilization advance BG	
12	19.05.2023	PSCHPL-HO-SCP-PIU-021-2023	Reimbursement of 50% Cost & Expenditure IEs payment month of March 2023	
13	20.05.2023	PSCHPL/SCP/NHAI/2023/1510	Work hampered from Km. 72+350 to Km. 73+180 due to delay in approval of COS	
14	25.05.2023	PSCHPL/SCP/NHAI/2023/1517	Work hampered due to delay in approval of proposed additional works	
15	30.05.2023	PSCHPL/SCP/NHAI/2023/1528	Additional details-Compliance for observation made by RO	

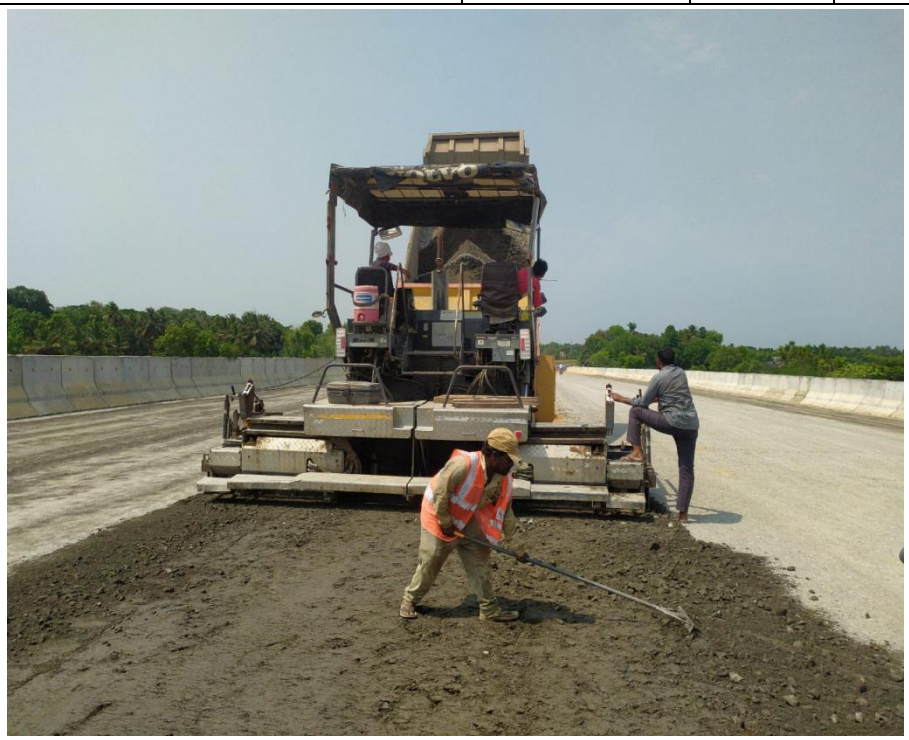
Four laning of Sethiyahopu to Cholapuram from Km 65.960 to 116.440 section of NH-45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode.				
TABLE 14.2 - CORRESPONDANCE - NHAI TO CONCESSIONAIRE				
Sr. No.	Date	Letter No	Subject	Remarks
1	01.05.2023	NHAI/PIU/Thanj/11011/37/2023/1166	Joining report of Shri. Binesh.M Manager (Tech)-PIU Thanjavur-reg	
2	02.05.2023	NHAI/PIU/Thanj/11025/11/2019/1190	Conducting of safety Audit as per cl.2.1 of Sch-I of CA-reg	
3	04.05.2023	NHAI/14013/19/2020/RO Madurai/718	Expedition of site preparaion activities & reservation of tall plants	
4	04.05.2023	NHAI/PIU/Thanj/11025/11/2018/1217	IPC-05 of PMS-04-payment intimation	
5	05.05.2023	C3/Pdl.102/2023	Agenda to be discussed on 12.05.2023 meeting	
6	08.05.2023	NHAI/PIU/Thanj/11025/09/2018/1231	Shifting of veranam pipeline-provision of syphon	
7	08.05.2023	NHAI/PIU/Thanj/11025/03/2018/1233	Drainage faciities at Vanamadevi village requested-reg	
8	08.05.2023	NHAI/PIU/Thanj/11025/11/2018/1239	Construction activities hampered due to unseasonal rainfall-report called for	
9	08.05.2023	NHAI/PIU/Thanjavur/11019/03/2009/1244	Acquisition of land in cholatharam village-Complaint made-reg	
10	08.05.2023	NHAI/11033/GM (F)/PIM/2020-21	Discrepancy in computation of completion cost and O&M payments	
11	10.05.2023	NHAI/PIU/Thanj/11025/09/2018/1270	Shifting of veeranam pipeline -Estimate submitted by CE-Approval requested	
12	12.05.2023	NHAI/PIU/Thanj/11019/52/2017/1293	50% claim for month of March-2023	
13	12.05.2023	NHAI/PIU/Thanj/11025/11/2018/1288	Compliance called for road safety report	
14	13.05.2023	NHAI/PIU/Thanj/11025/18/2018/1314	Removal of Temporary approach road in Coleroon river-reg	
15	17.05.2023	NHAI/PIU/Thanjavur/11025/09/2018/1325	NHAI_Shifting of veeranam pipeline-Communicated	
16	18.05.2023	NHAI/PIU/Thanj/11025/09/2018/1337	Shifting of veeranam RA Bill-03 payment intimation	
17	18.05.2023	NHAI/PIU/Thanj/11025/15/2018/1338	Reimbursement of GST TWAD RA Bill 13	
18	18.05.2023	NHAI/PIU/Thanj/11025/15/2018/1339	Reimbursement of GST for veeranam RA Bill-02	
19	18.05.2023	NHAI/PIU/Thanj/11025/18/2018/1354	Removal of Temporary approach road in Coleroon river-reg	
20	19.05.2023	NHAI/PIU/Thanj/11025/11/2018/1365	GST impact calculation-Remarks called for-reg	
21	19.05.2023	NHAI/PIU/Thanjavur/11025/33/2018/1362	Public demand at veeramundiyanatham village-peace committee meeting and IE comments	
22	19.05.2023	NHAI/PIU/Thanjavur/11025/17/2018/1371	Construction work affected due to release of water-report called for	
23	22.05.2023	NHAI/PIU/Thanjavur/11025/17/2018/1402	Local public made objection to carry out the constrution work at vembukudi village-intervention requested	
24	24.05.2023	NHAI/PIU/Thanj/11025/09/2018/1440	RA Bill-22 Payment intimation	
25	25.05.2023	NHAI/PIU/Thanjavur/11025/09/2018/1367	Damages caused by river bund-Estimate for restoration works-reg	
26	25.05.2023	NHAI/PIU/Thanj/11025/03/2018/1463	Press paper cutting-street lights not illuminating	
27	25.05.2023	NHAI/PIU/Thanj/TDS/16A/2022-23/Q3/1495	Form 16-A forwarding	
28	26.05.2023	NHAI/PIU/Thanj/11025/09/2018/1501	Shiting of Veerananm pipeline-requested	
29	27.05.2023	NHAI/PIU/Thanj/11025/28/2019/1518	Works hampered due to delay in approval-additional details requested	
30	31.05.2023	NHAI/PIU/Thanj/11019/52/2017/1571	Independent consultancy services- 50% claim for the month of April-2023	
31	31.05.2023	NHAI/PIU/Thanj/11025/33/2020/1587	Veeramundiyanatham village-Peace committee meeting and request to submit the estimate-reg	

Four laning of Sethiyahopu to Cholapuram from Km 65.960 to 116.440 section of NH-45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode.				
TABLE 14.3 - CORRESPONDANCE - CONCESSIONAIRE TO INDEPENDENT ENGINEER				
Sr. No.	Date	Letter No	Subject	Remarks
1	02.05.2023	PSCHPL/SCP/IE/2023/1473	Soil test report for the proposed borrow area of the project (BA No-45 Ex-01)-Reg	
2	05.05.2023	PSCHPL/SCP/IE/2023/1480	Submission of Design & drawings and P&P for PUP at Km. 95.200 & 95.700	
3	05.05.2023	PSCHPL/SCP/IE/2023/1481	Request to process issuance of PCC-2 -Submission of test reports.	
4	06.05.2023	PSCHPL/SCP/IE/2023/1483	Submission of monthly progress report for the month of April-2023	
5	06.05.2023	PSCHPL/SCP/IE/2023/1485	Submission of monthly management (O&M) report for the month of April-2023	
6	09.05.2023	PSCHPL/SCP/IE/2023/1491	Submission of company profile of M/s. Shree sagar & sons for construction of RE wall-reg	
7	11.05.2023	PSCHPL/SCP/IE/2023/1495	Compliance against IE Observation on submission of Revised D&D of 5 Nos of Box culverts	
8	12.05.2023	PSCHPL/SCP/IE/2023/1497	Submission of NSV report for PCC-1	
9	13.05.2023	PSCHPL/SCP/IE/2023/1498	Soil test report for the proposed borrow area of the project (BA No-46)	
10	14.05.2023	PSCHPL/SCP/IE/2023/1502	Submission of safety compliance report	
11	15.05.2023	PSCHPL/SCP/IE/2023/1503	Submission of IPC-07 of PMS-04	
12	18.05.2023	PSCHPL/SCP/IE/2023/1506	Soil test report for the proposed Borrow area (BA No-47)	
13	18.05.2023	PSCHPL/SCP/IE/2023/1507	Submission of D&D for LVUP located at Km. 77.420	
14	22.05.2023	PSCHPL/SCP/IE/2023/1514	Submission of Revised P&P for service road around VUP at Ch-72+545	
15	23.05.2023	PSCHPL/SCP/IE/2023/1515	Construction of Toll Plaza-Additional LA req	
16	26.05.2023	PSCHPL/SCP/IE/2023/1518	Compliance report for-Review and comments of IE on Concessionaire's MPR for the month of April-2023	
17	27.05.2023	PSCHPL/SCP/IE/2023/1520	Submission of Revised D&D of RE wall of GSI at Km. 95+455	
18	27.05.2023	PSCHPL/SCP/IE/2023/1522	Submission of Inspection report of strip seal expansion joint	
19	27.05.2023	PSCHPL/SCP/IE/2023/1523	Submission of inspection report of spherical bearings	
20	29.05.2023	PSCHPL/SCP/IE/2023/1526	Submission of work done bill executed for veeranam pipeline	

Four laning of Sethiyahopu to Cholapuram from Km 65.960 to 116.440 section of NH-45C in the state of Tamilnadu under NHDP-IV on Hybrid Annuity Mode.				
TABLE 14.4 - CORRESPONDANCE - INDEPENDENT ENGINEER TO CONCESSIONAIRE / NHAI				
Sr. No.	Date	Letter No	Subject	Remarks
1	06.05.2023	TES/IE/SCP/NHAI/2023/586	Shifting of infringement of veeranam pipeline-RA Bill-03	
2	06.05.2023	TES/IE/SCP/NHAI/2023/587	Shifting of construction of weir at Km.103.990 near kuzhavadaiyan periya eri-RA Bill No.01	
3	09.05.2023	TES/IE/SCP/NHAI/2023/588	IE Monthly Progress Report (MPR) for the month of April 2023-Reg.	
4	10.05.2023	TES/IE/SCP/PIL/2023/882	Review and Comments of IE on concessionaire MPR April 2023	
5	12.05.2023	TES/IE/SCP/PIL/2023/883	Issuance of PCC-Compliance called for Road safety Audit report	
6	15.05.2023	TES/IE/SCP/NHAI/2023/589	Issuance of PCC-Recommndation of IE	
7	15.05.2023	TES/IE/SCP/NHAI/2023/593	Submission of compliance for safety Audit observations-reg	
8	16.05.2023	TES/IE/SCP/NHAI/2023/590	IE O&M MSR April 2023-Reg.	
9	17.05.2023	TES/IE/SCP/PIL/2023/885	Monthly Site Inspection	
10	17.05.2023	TES/IE/SCP/PIL/2023/886	Site Review Meeting	
11	17.05.2023	TES/IE/SCP/PIL/2023/888	Soil test report for the Proposed Borrow area (BA NO-45 Ex-01) –Reg.	
12	18.05.2023	TES/IE/SCP/NHAI/2023/591	Drainage facilities at CH 83+740 to 83+960 RHS-reg.	
13	18.05.2023	TES/IE/SCP/PIL/2023/889	Soil test report for the Proposed Borrow Area (BA No - 46) –Reg	
14	20.05.2023	TES/IE/SCP/PIL/2023/890	Submission of company profile of M/s. Shree Sagar & Sons for construction of RE wall	
15	20.05.2023	TES/IE/SCP/PIL/2023/891	Soil test report for the proposed Borrow area (BA No-47)	
16	23.05.2023	TES/IE/SCP/NHAI/2023/594	Public representation for service road to manmalai village on NH 45C	
17	23.05.2023	TES/IE/SCP/NHAI/2023/595	IE Inspection report for the month of April-2023	
18	23.05.2023	TES/IE/SCP/PIL/2023/893	Construction of Toll Plaza at Ch-116+100-reg	
19	30.05.2023	TES/IE/SCP/NHAI/2023/597	Shifting of infringement of veeranam-requested	
20	30.05.2023	TES/IE/SCP/PIL/2023/895	Site inspection report	
21	30.05.2023	TES/IE/SCP/PIL/2023/896	Submission of D&D, revised P&P for PUP at 105+220	
22	30.05.2023	TES/IE/SCP/PIL/2023/897	Submission of D&D for 2 nos of MNB at Km. 72+920 and 72+980	
23	30.05.2023	TES/IE/SCP/PIL/2023/898	Submission of D&D for 2 nos of MNB at Km. 72+860 & 73+040	
25	30.05.2023	TES/IE/SCP/PIL/2023/900	Submission of D&D of 2 nos of PUP at Km. 95+200 and 95+700	
26	31.05.2023	TES/IE/SCP/NHAI/2023/598	Submission of compliance report-In principle approval requested.	
27	31.05.2023	TES/IE/SCP/PIL/2023/901	Submission of revised D&D for RE wall of VUP at 72+545-reg	
28	31.05.2023	TES/IE/SCP/PIL/2023/902	Submission of revised P&P for service road from Km. 85.650 to Km. 88.260	

Sl. No	Description	Location	Side	Remarks
1.	RE wall Embankment layer rolling work in progress	103+100	LHS	Existing Road
2.	Slip road Subgrade layer rolling work in progress	101+600	LSR	Existing Road

Sl. No	Description	Location	Side	Remarks
3.	CTSB Layer Laying Work in progress	110+240	LHS	Existing Road



Sl. No	Description	Location	Side	Remarks
4.	WMM Layer Laying Work in progress	106+560	LHS	Bypass
5.	WMM Layer Rolling Work in progress	101+980	RSR	Existing Road

Sl. No	Description	Location	Side	Remarks
6.	DBM Layer Laying Work in progress	99+000	RSR	Existing Road
7.	DBM Layer Rolling Work in progress	80+740	LSR	Existing Road

Sl. No	Description	Location	Side	Remarks
8.	Deck slab Concreting Work in progress	73+317	RHS	Major Bridge
9.	Raft Concreting Work in progress	108+767	LHS	Box Culvert

Sl. No	Description	Location	Side	Remarks
10.	Box Segment launching Work in Progress between Span P18 - P19	107+400	LHS	Major Bridge

Sl. No	Description	Location	Side	Remarks
11.	Deck slab Concreting Work in progress	95+455	LHS	GSI