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
JULY 2023

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Executive Summary

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

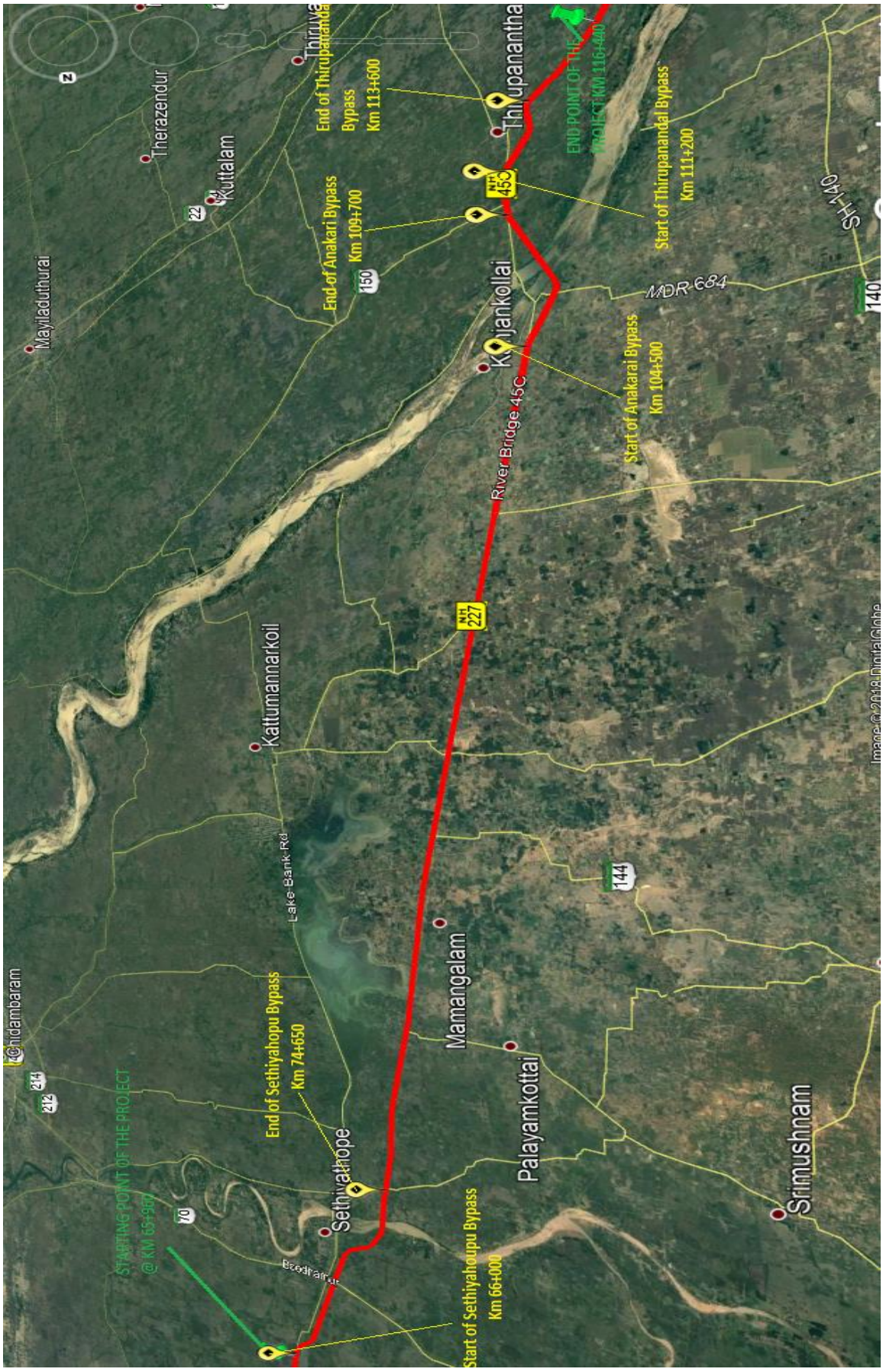
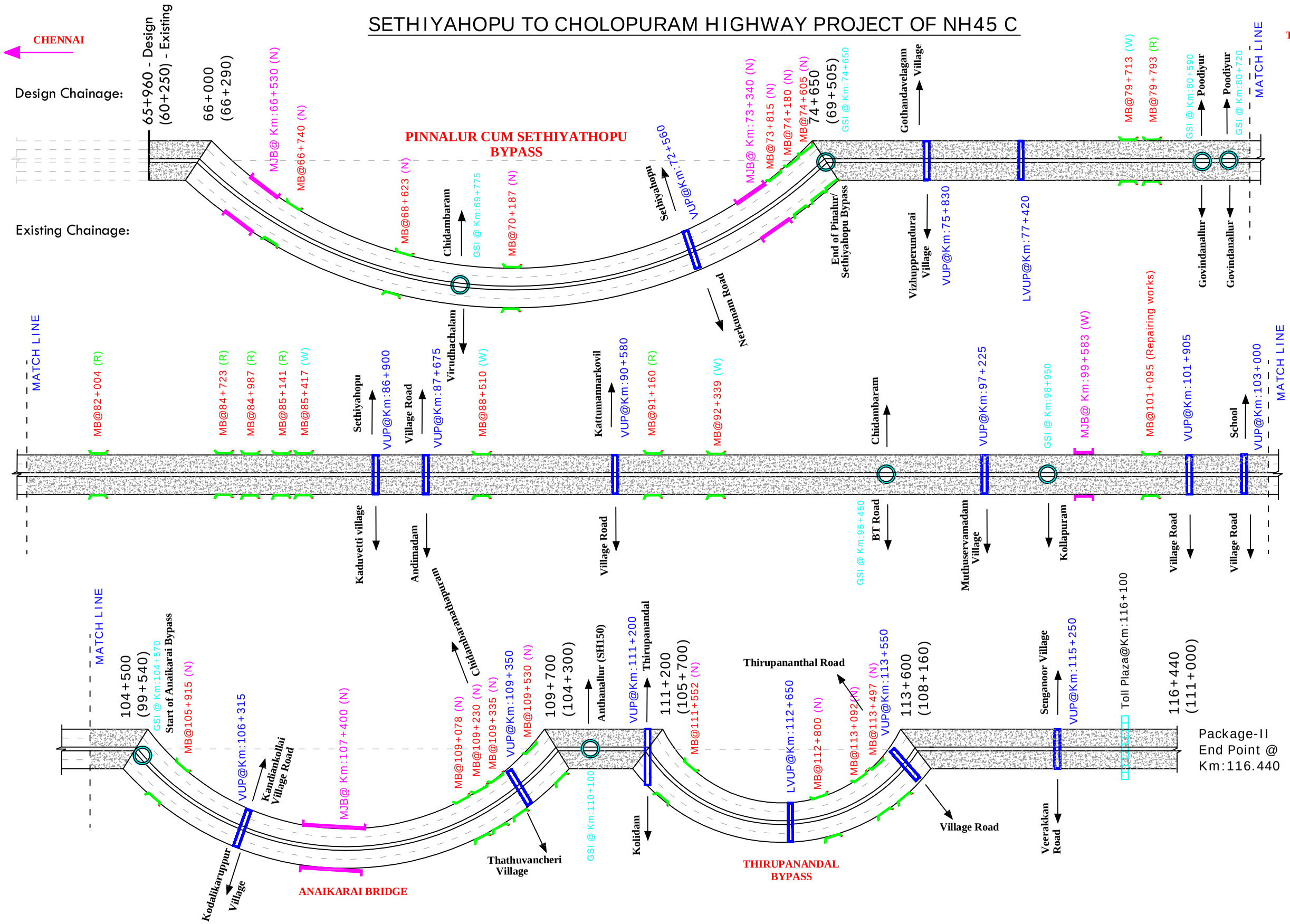


Figure 2: Project Alignment Map

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. Background and Project Details

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 Cr. (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 as per CA	15.08.2020
Date of Settlement Agreement No. 01	04.03.2021
Date of Settlement Agreement No. 02	20.03.2023
Revised Completion Date as per SA	30.06.2024
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.	76.05%	Presently, Work is in Progress in the PCC-03 Stretches by concessionaire.
2	PCC-02	Completion of 35.240 Kms by 28.02.2023	1045.91 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-03 & PCC-04. The revised BPC would be derived for 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. 1434 dated 16.06.2023 has issued the Provisional Completion Certificate-2 (PCC-02) after the completion of 35.240 Kms w.e.f. 18.02.2023.

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
Payment Mile Stone-IV & IPC No. 01 of Mile Stone-V (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 73.410% of physical progress	12.06 Crs.	11.44 Crs.	22.07.2023
IPC No. 02 of Mile Stone-V (as per NHAI Policy Guidelines/Atmnirbhar Bharat)	On Achievement of 75.078% of physical progress	9.75 Crs.	9.25 Crs.	Under review with Authority.
NOTE:- The Payment amount & claimed amount against the achievement of Physical Progress as mentioned above in the table does not include the escalation amount received to the concessionaire from the Authority.				

1.5. Permits & Approvals

Sr. No.	Details	Authority	Current Status	Remarks
1	Extraction of Boulders from Quarries	Dist. Mining Officer	Obtained	
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	
8	Electric Poles Shifting	Tamil Nadu Electricity Board	Obtained	Work is in Progress
9	Water Pipes Shifting	Tamilnadu Water Supply and Drainage Board	Obtained	Work is 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	Work Status
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	Work Completed
6	92.250	Both Hand Side	Work Completed
7	93.150	Both Hand Side	
8	94.250	Both Hand Side	
9	97.850	Both Hand Side	Work Completed

The status of compensation disbursement 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 includes water supply pipe line, hand pumps, overhead water tanks, 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 is 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

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	
6	CMWSSB	Veeranam Pipeline	Nos.	1	0	1	Work is in progress
7	PWD	Weir located at Ch. 103+990	Nos.	1	1	0	

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				50.480	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	-	-
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.	01	-
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+890	PUP	Nos.	01	-
14	106+905	Box Culvert	Nos.	01	-

4.1. Physical Progress of Work:

The Progress of the Major works carried out at the Site till the month of July 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	48.235	1.390	49.625	0.000	0.855	98.31%
	RHS	50.480	47.725	1.900	49.625	0.000	0.855	98.31%
2	Embankment Top							
	LHS	50.480	39.705	0.785	40.490	4.550	9.990	80.21%
	RHS	50.480	39.615	0.625	40.240	4.700	10.240	79.71%
3	Subgrade Top							
	LHS	50.480	39.600	0.386	39.986	0.504	10.494	79.21%
	RHS	50.480	39.615	0.130	39.745	0.495	10.735	78.73%
4	GSB/ Cement Treated Sub Base							
	LHS	50.480	39.140	0.460	39.600	0.000	10.880	78.45%
	RHS	50.480	39.160	0.460	39.620	0.000	10.860	78.49%
5	Wet Mix Macadam							
	LHS	50.480	39.140	0.460	39.600	0.000	10.880	78.45%
	RHS	50.480	39.140	0.200	39.340	0.000	11.140	77.93%
6	Dense Bituminous Macadam							
	LHS	50.480	39.140	0.200	39.340	0.000	11.140	77.93%
	RHS	50.480	39.140	0.200	39.340	0.000	11.140	77.93%
7	Bituminous Concrete							
	LHS	50.480	39.110	0.230	39.340	0.000	11.140	77.93%
	RHS	50.480	39.090	0.240	39.330	0.000	11.150	77.91%

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	42.000	0.270	42.270	0.000	10.920	79.47%
2	Sub grade	53.190	41.570	0.700	42.270	0.000	10.920	79.47%
3	GSB/ Cement Treated Base	53.190	41.140	0.980	42.120	0.000	11.070	79.19%
4	Wet Mix Macadam	53.190	40.640	0.880	41.520	0.000	11.670	78.06%
5	Dense Bituminous Macadam	53.190	39.530	1.230	40.760	0.000	12.430	76.63%
6	Bituminous Concrete	53.190	29.105	0.000	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	52.25	0.75	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	3.50	0.50	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 July 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 July'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%	52.250	7.426%	
	(2) Granular work (sub-base, base, shoulders)						
	(a) GSB/ Cement Treated Base	Km	65.52	3.373%	52.220	2.688%	
	(b) WMM/ Cement Treated Base	Km	65.52	4.046%	52.200	3.223%	
	(3) Shoulders	Km	17.65	0.112%	17.190	0.109%	
	(4) Bituminous work	Km					
	(a) DBM	Km	65.52	3.344%	52.200	2.664%	
	(b) BC	Km	65.52	3.023%	52.190	2.408%	
	(5) Rigid Pavement						
	(6) Widening and repair of culverts	Nos.	16	0.440%	15.150	0.417%	
	(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%	21.025	4.719%	
	(2) Granular work (sub-base, base, shoulders)						
	(a) GSB/ Cement Treated Base	Km	28.68	1.615%	20.544	1.157%	
	(b) WMM/ Cement Treated Base	Km	28.68	1.436%	20.284	1.016%	
	(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%	

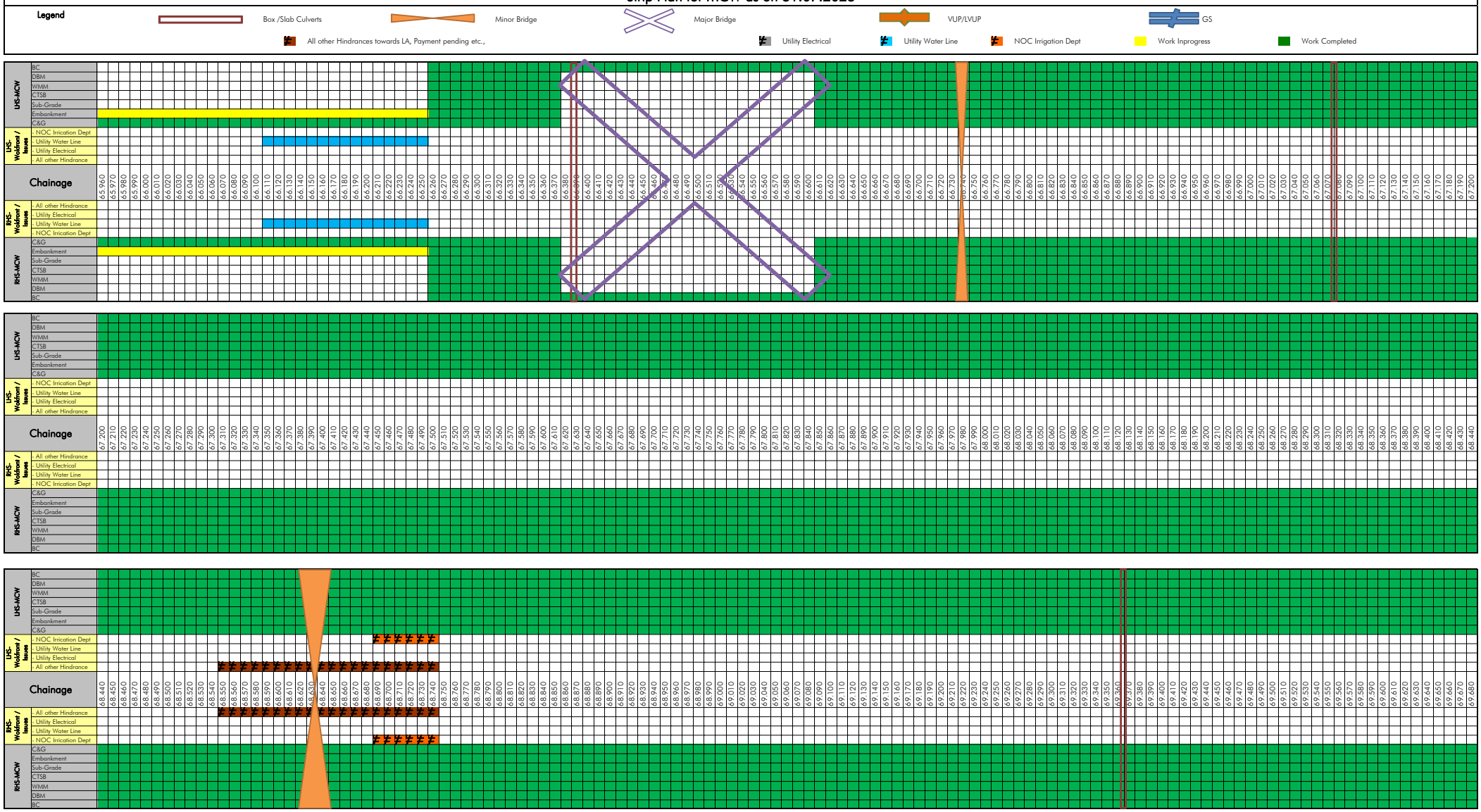
	(b) Substructure	Nos.	134	2.623%	134.00	2.623%	
	(c) Superstructure (including crash barrier etc. complete)	Nos.	50	1.559%	47.60	1.485%	
	(5) Grade separated structures						
	(a) Underpass (13 VUP, 2 LVUP)						
	(i) Foundation	Nos.	56	2.574%	51.00	2.344%	
	(ii) Substructure	Nos.	60	0.751%	51.00	0.639%	
	(iii) Superstructure (including crash barrier etc. complete)	Nos.	30	1.289%	25.00	1.074%	
	(c) Flyover						
	(i) Foundation	Nos.	36	2.426%	30.00	2.021%	
	(ii) Substructure	Nos.	36	0.470%	30.00	0.392%	
	(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%	401.00	0.632%	
	(i) For other Major Bridges						
	(a) Super-structure (including crash barriers etc. complete)	Nos.	37	2.500%	35.650	2.409%	
	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%	94625.00	3.671%	
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%	13.250	2.494%	
	(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%	10.050	0.447%	
	(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%	4.182	0.091%	
	(b) Toe/Retaining wall	Km	10.03	0.000%			
	(x) Miscellaneous	Ls.	100%	0.164%			
	Total			100.000%		76.05%	

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 31.07.2023



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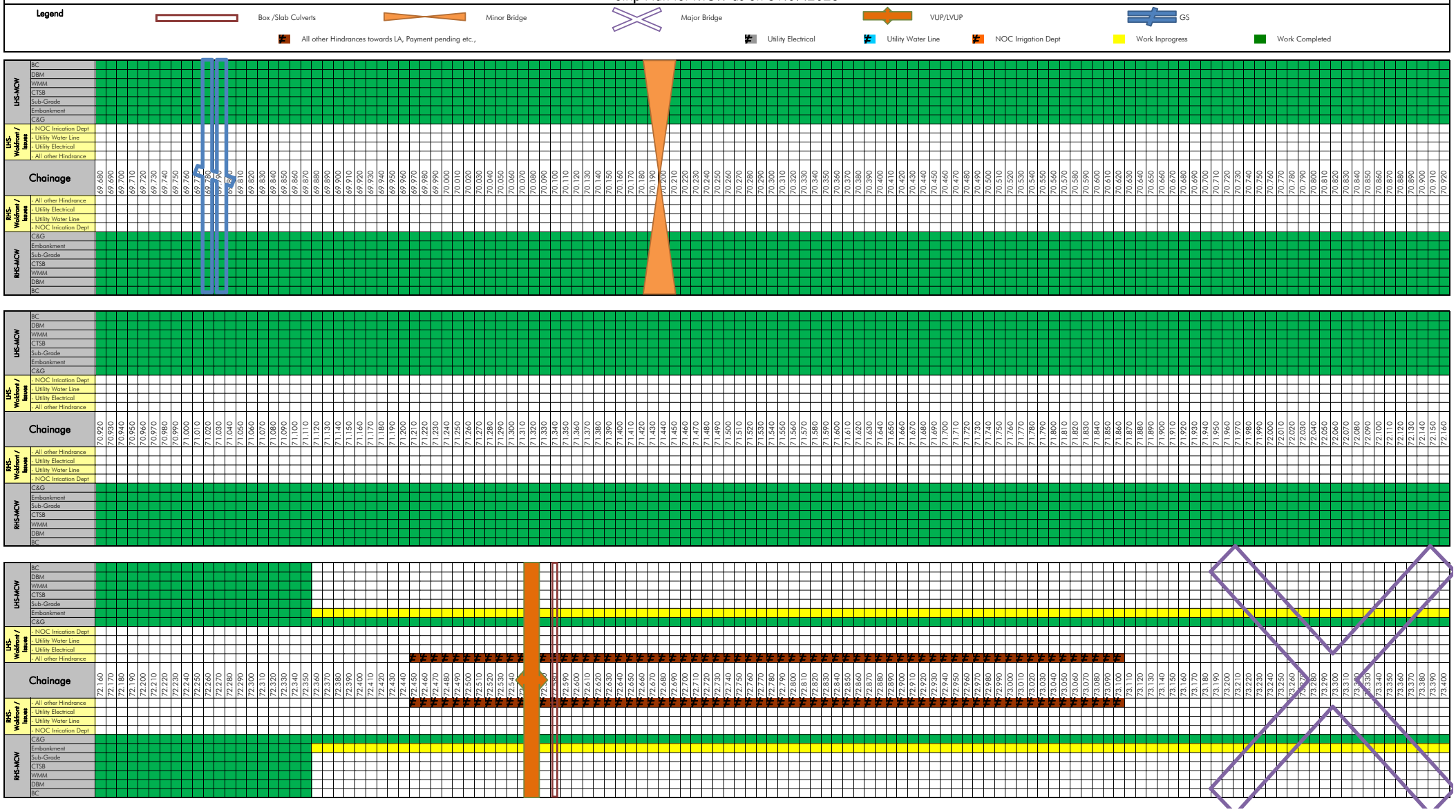
Sethiyahopu - Cholopuram Road Projects

Strip Plan for MCW as on 31.07.2023



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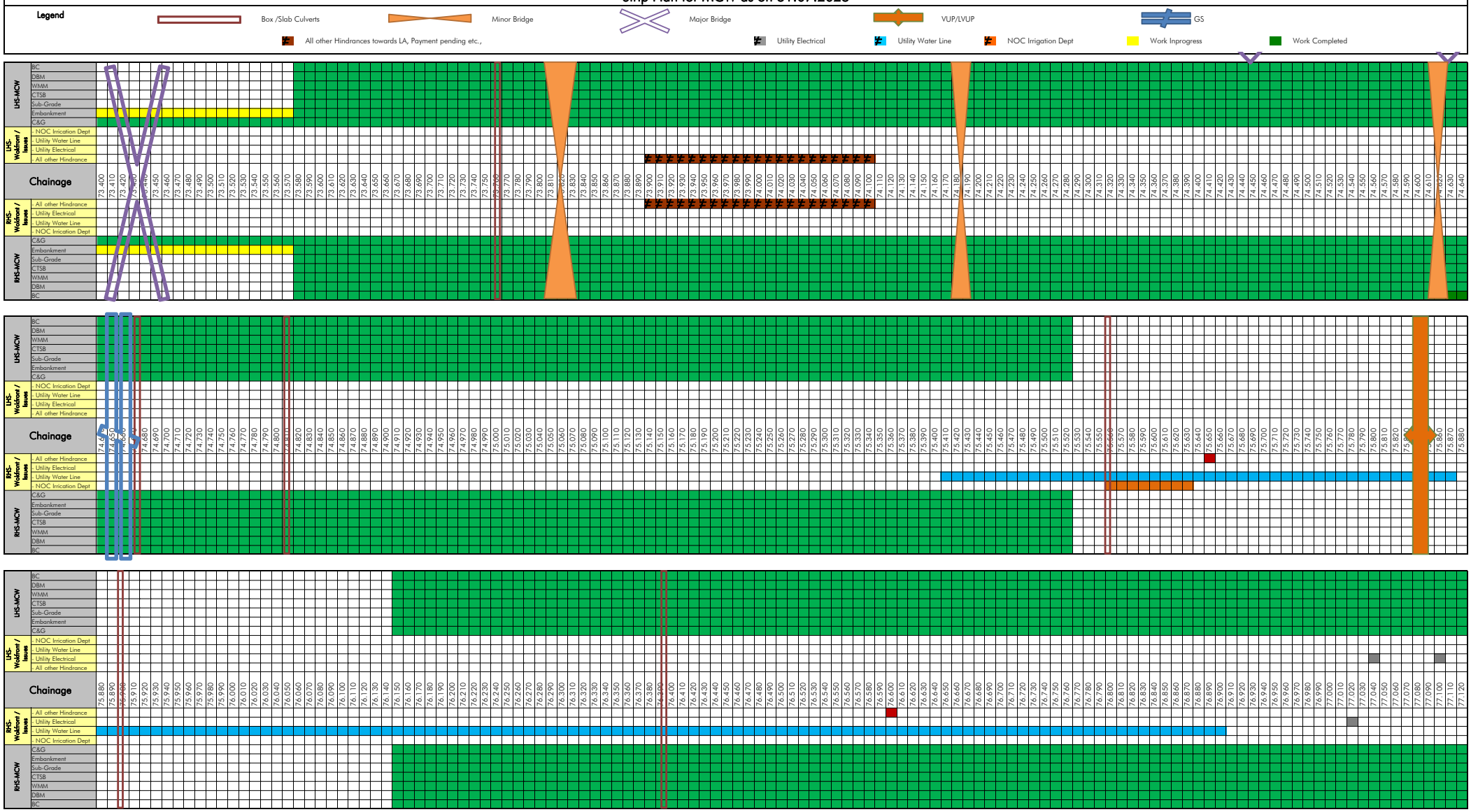
Sethiyahopu - Cholopuram Road Projects

Strip Plan for MCW as on 31.07.2023



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Sethiyahopu - Cholopuram Road Projects

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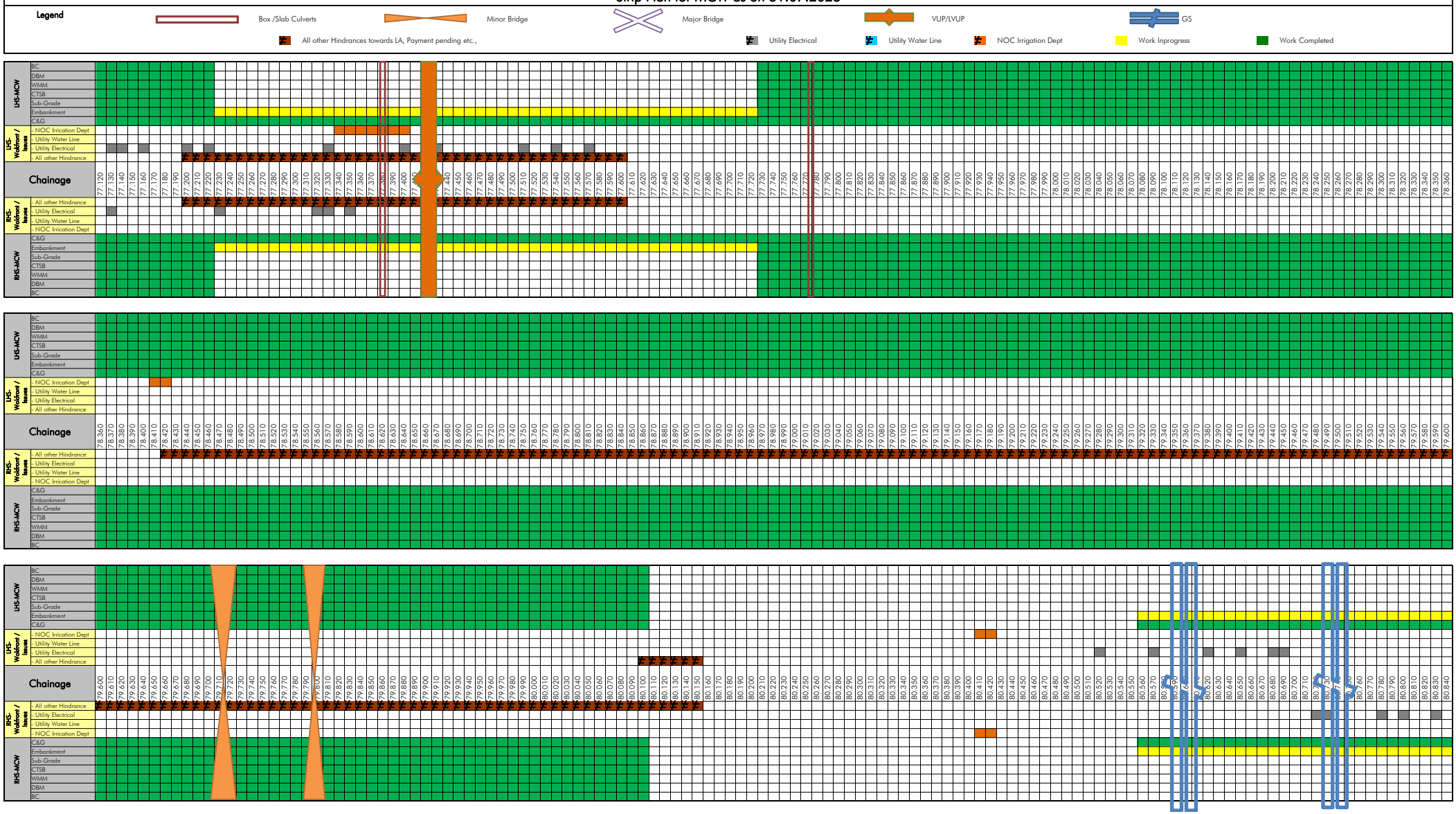
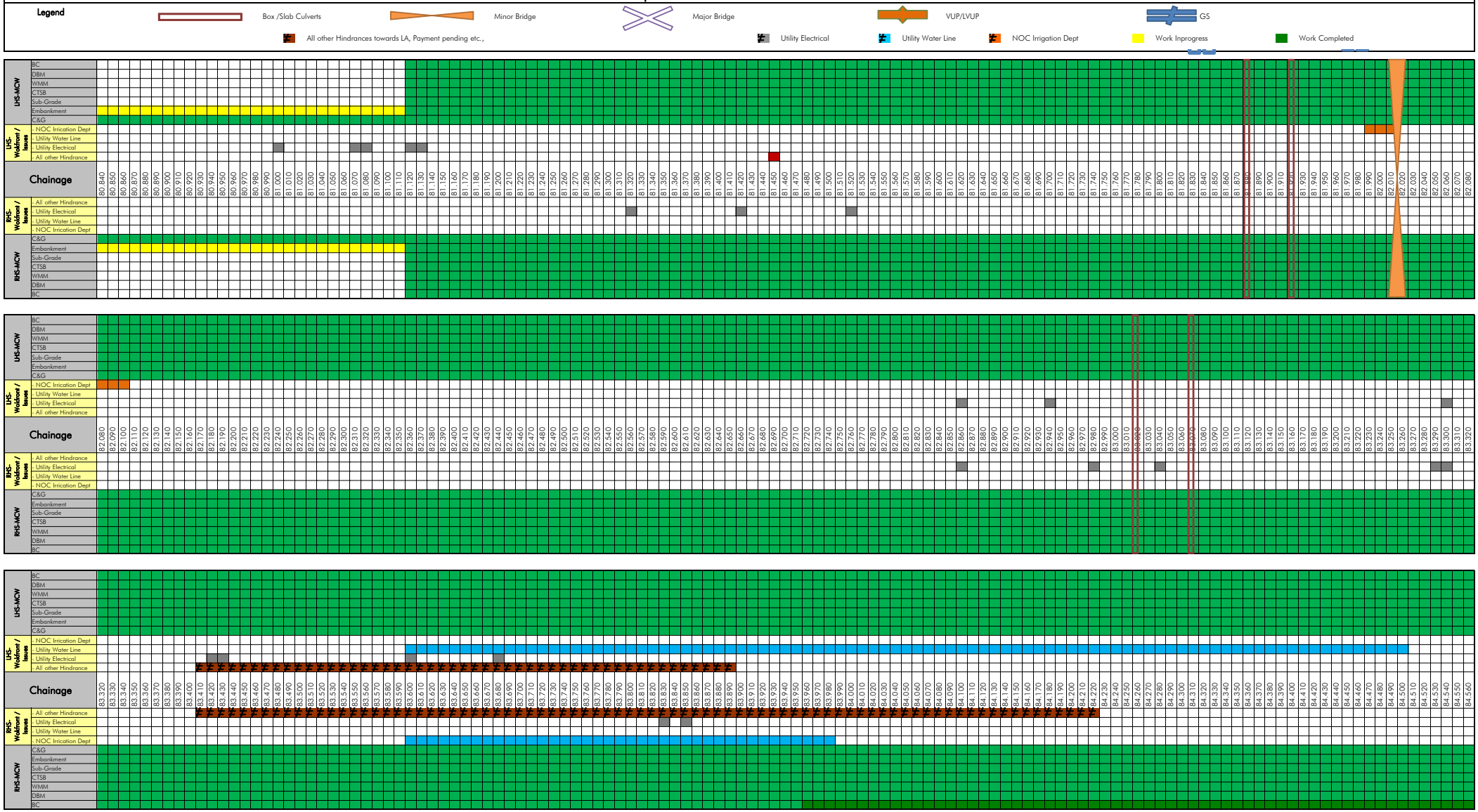


Four Laning of Sethiyahopu - Cholopuram from Km. 65.960 to Km. 116.440 Section of NH45C in the state of Tamil Nadu Under NHDP Phase-IV on Hybrid Annuity Mode.

Sethiyahopu - Cholopuram Road Projects

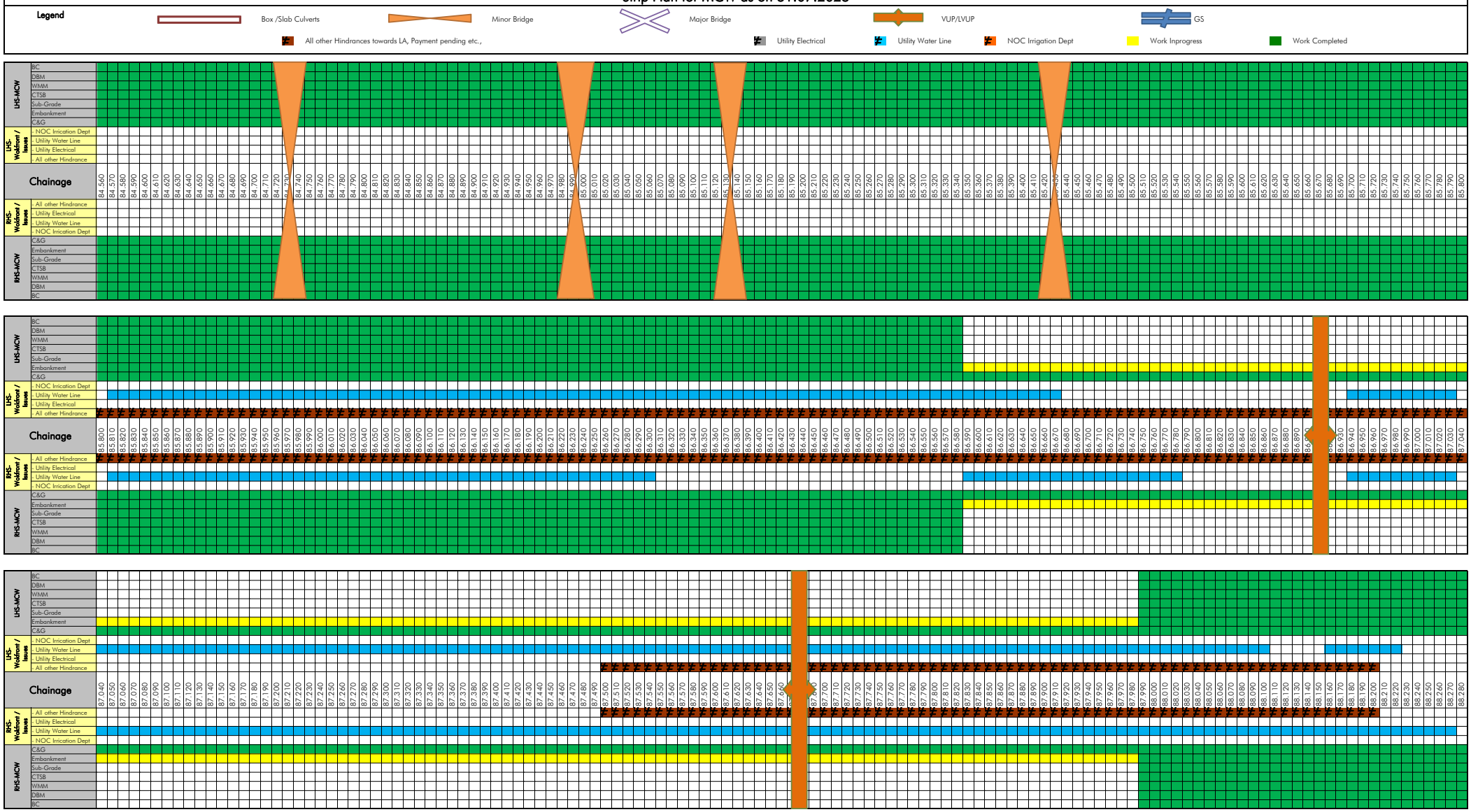
Strip Plan for MCW as on 31.07.2023



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

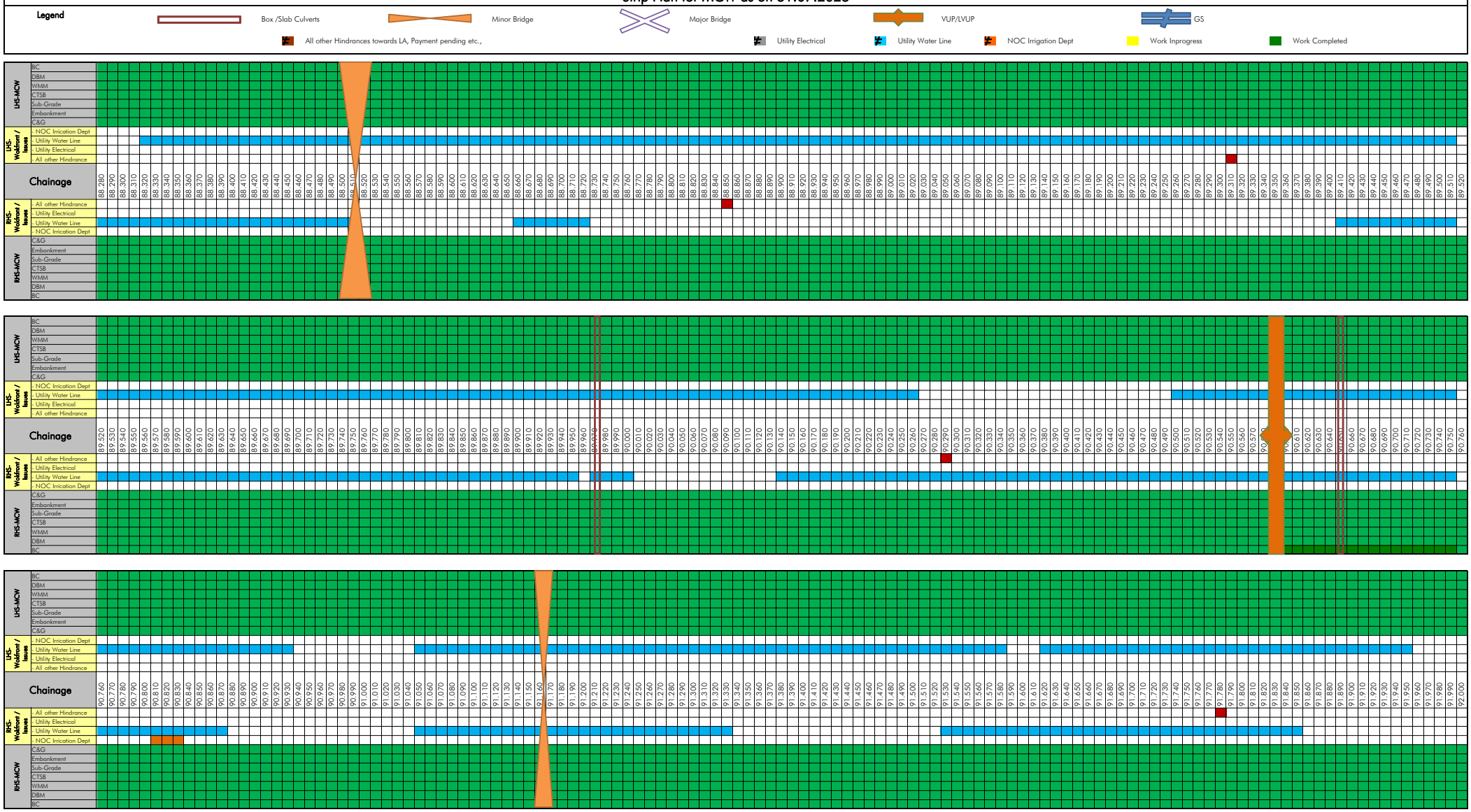
Strip Plan for MCW as on 31.07.2023



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

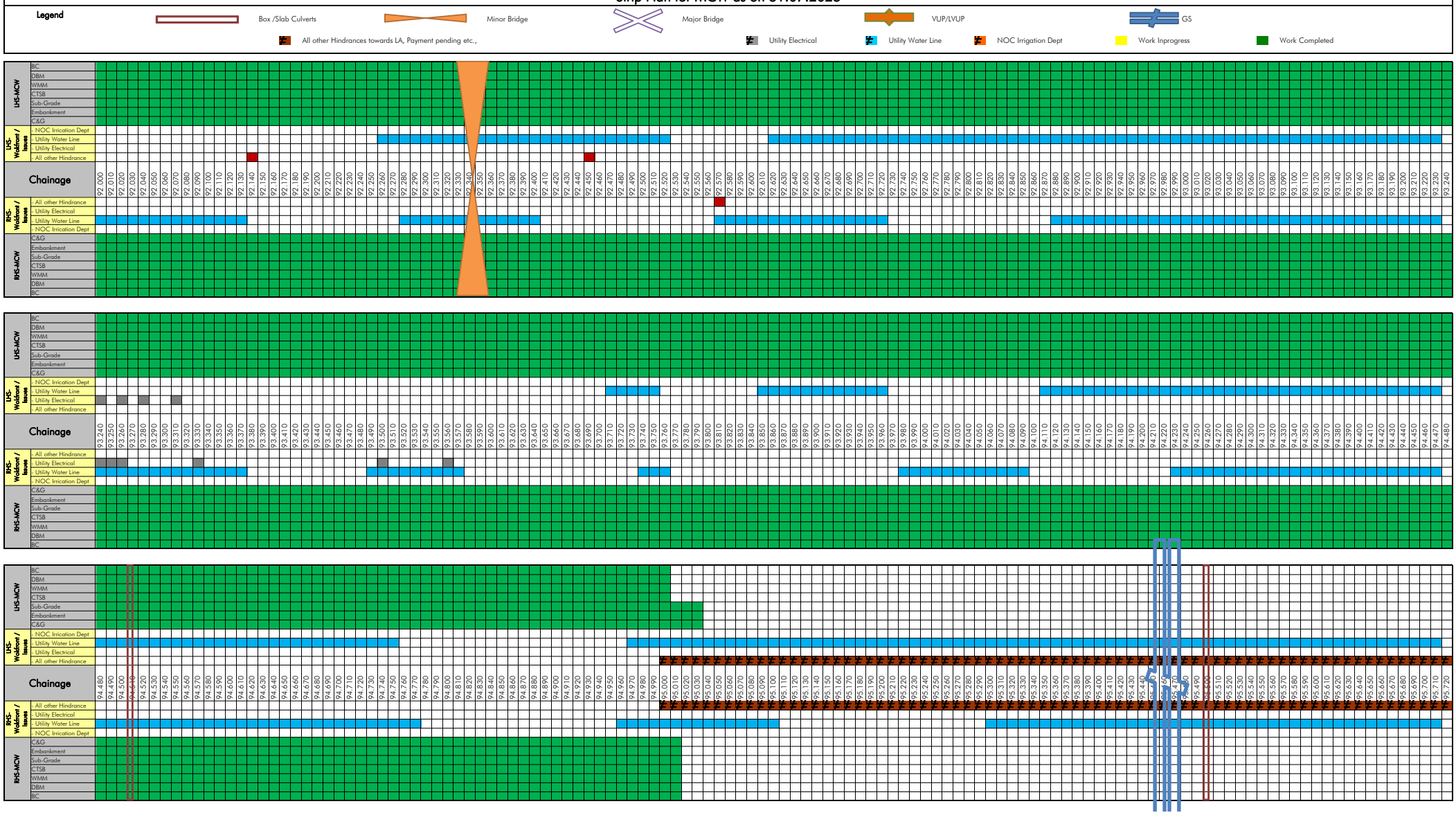
Strip Plan for MCW as on 31.07.2023



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

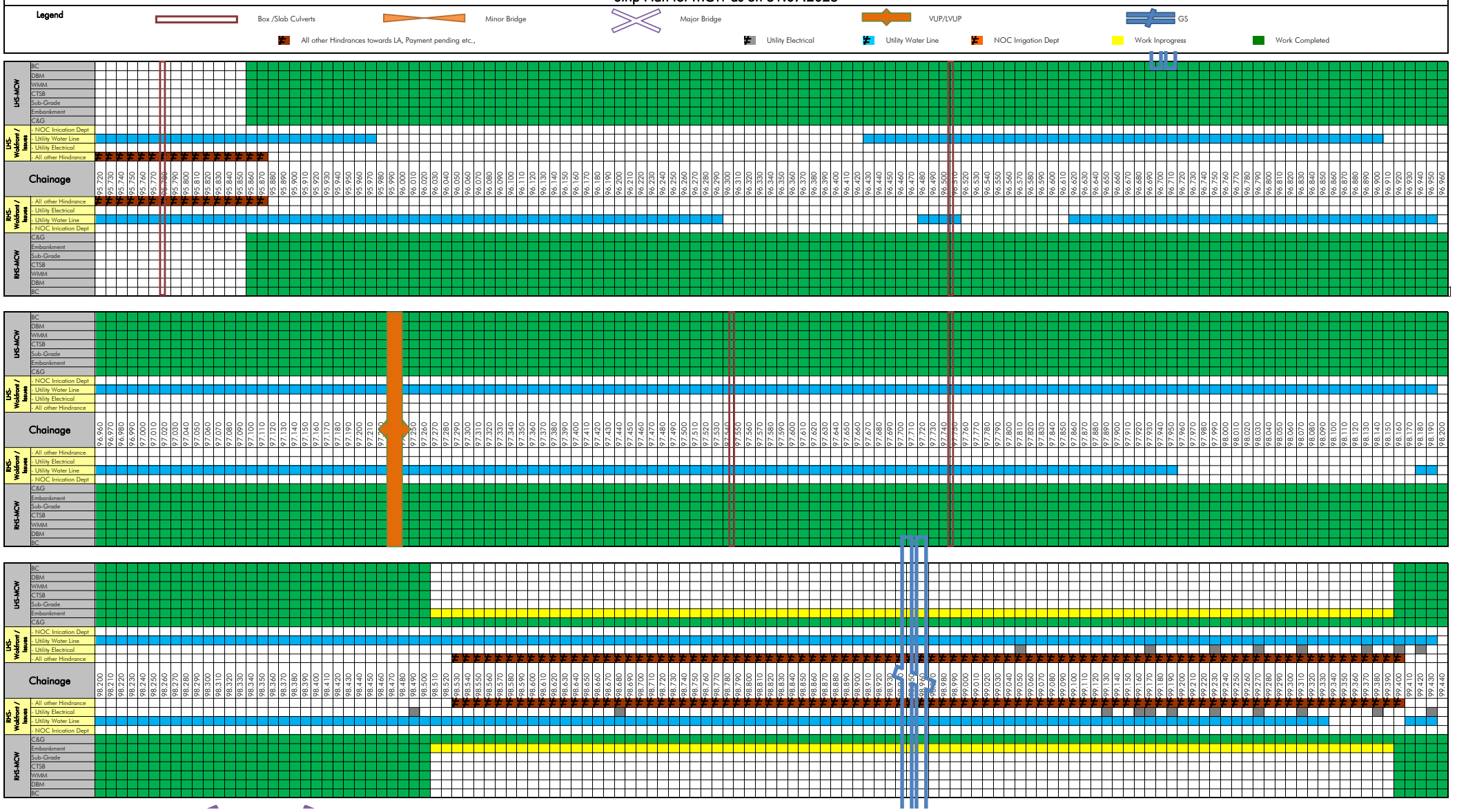
Strip Plan for MCW as on 31.07.2023



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

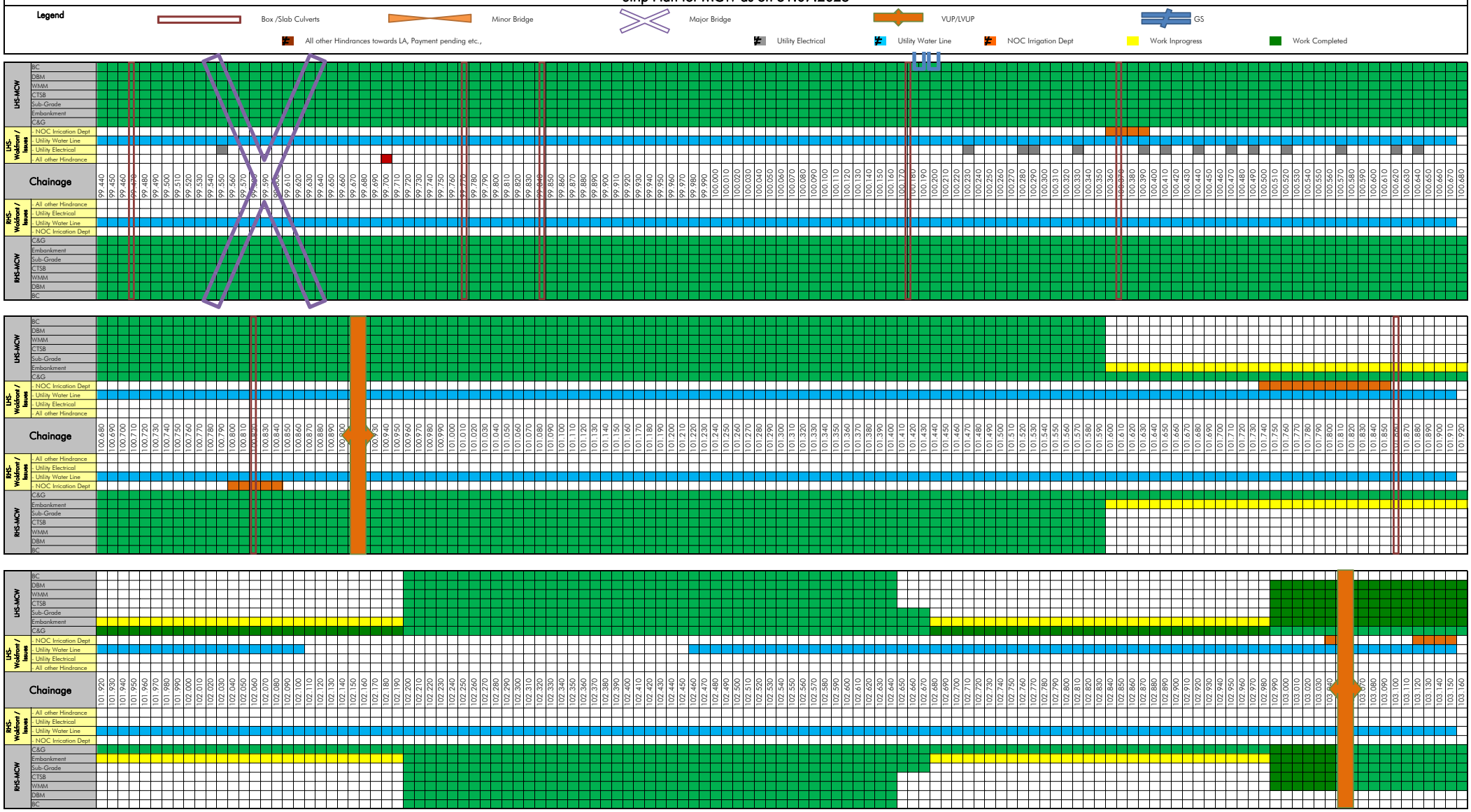
Strip Plan for MCW as on 31.07.2023



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

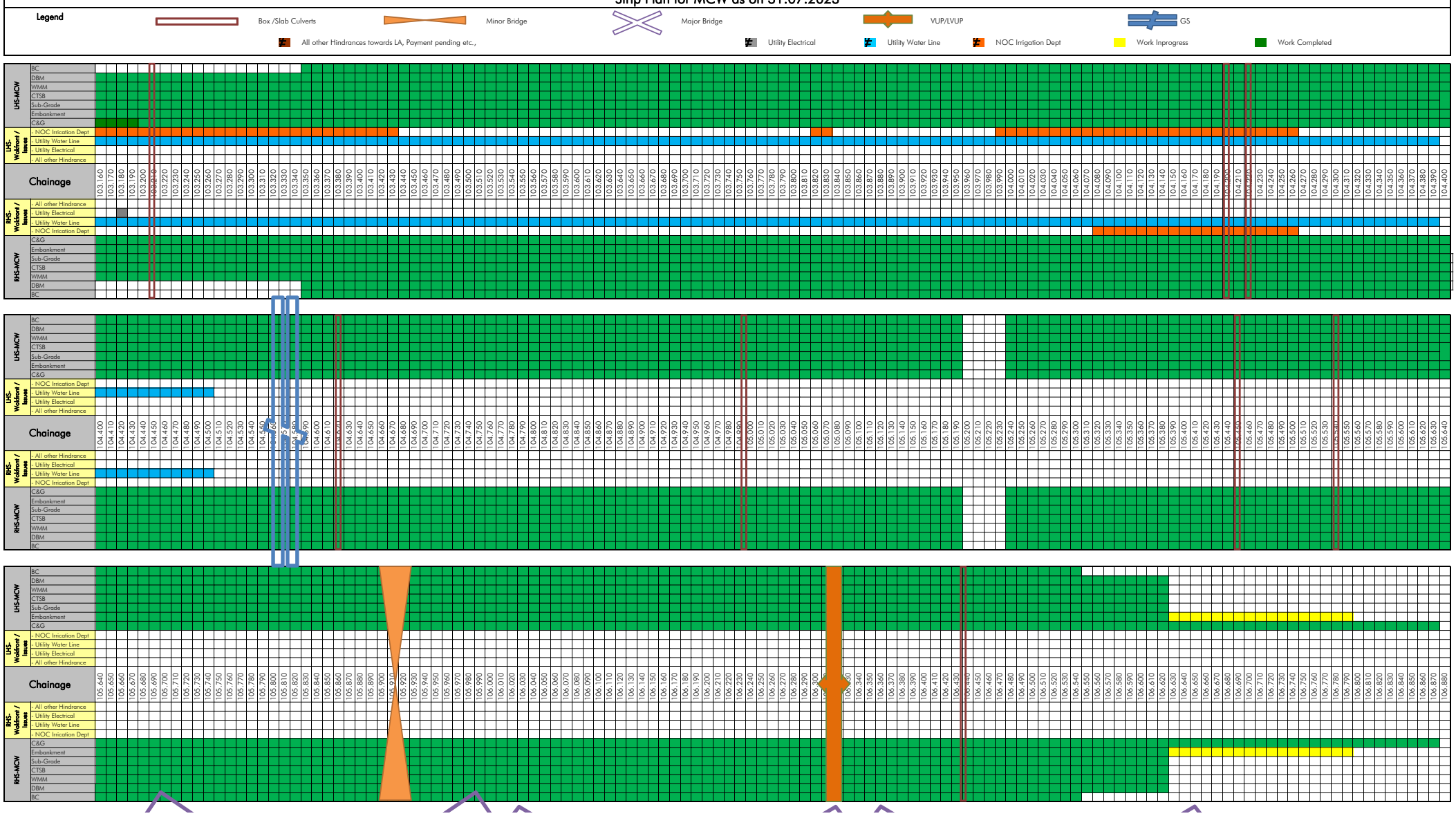
Strip Plan for MCW as on 31.07.2023



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

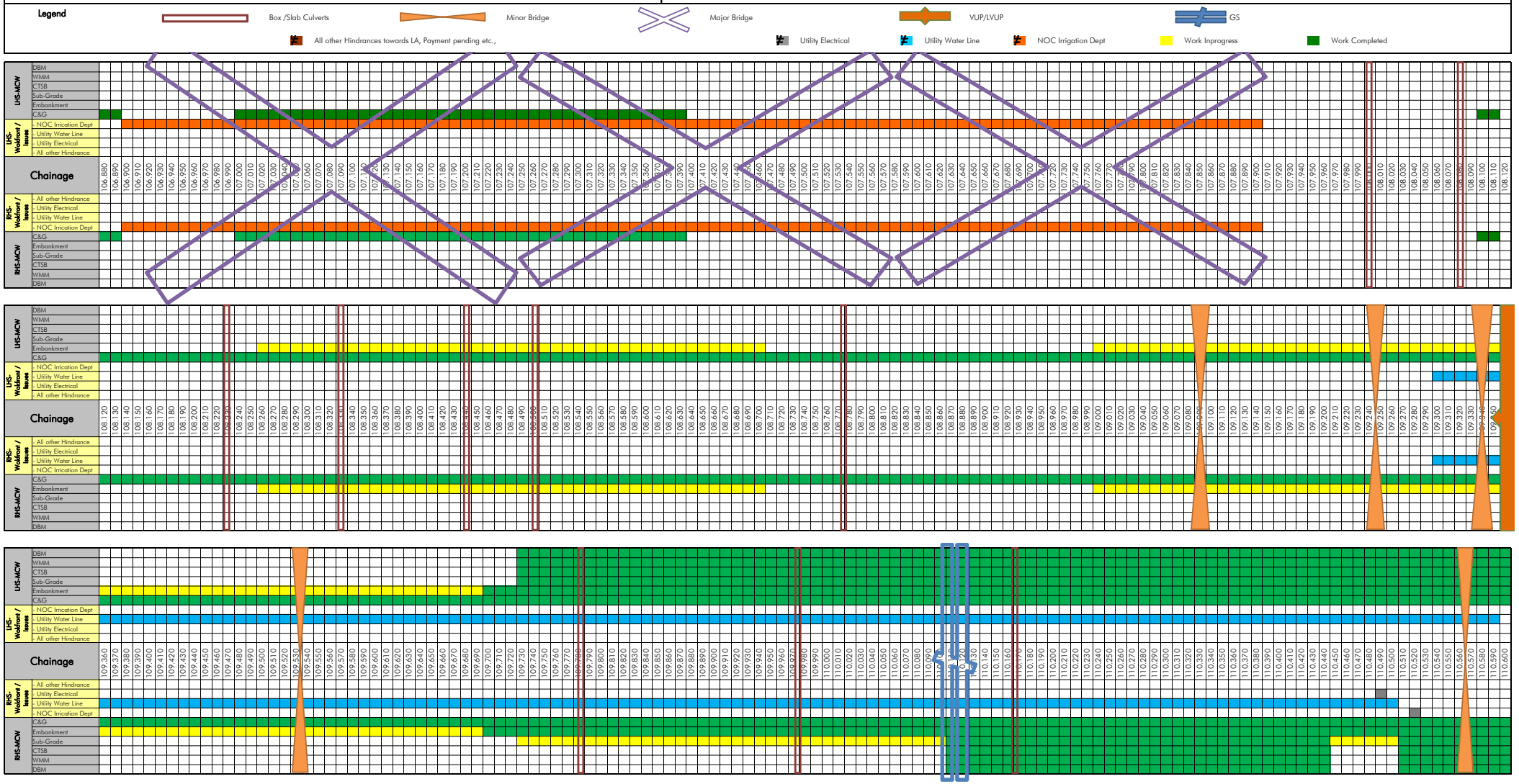
Strip Plan for MCW as on 31.07.2023



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

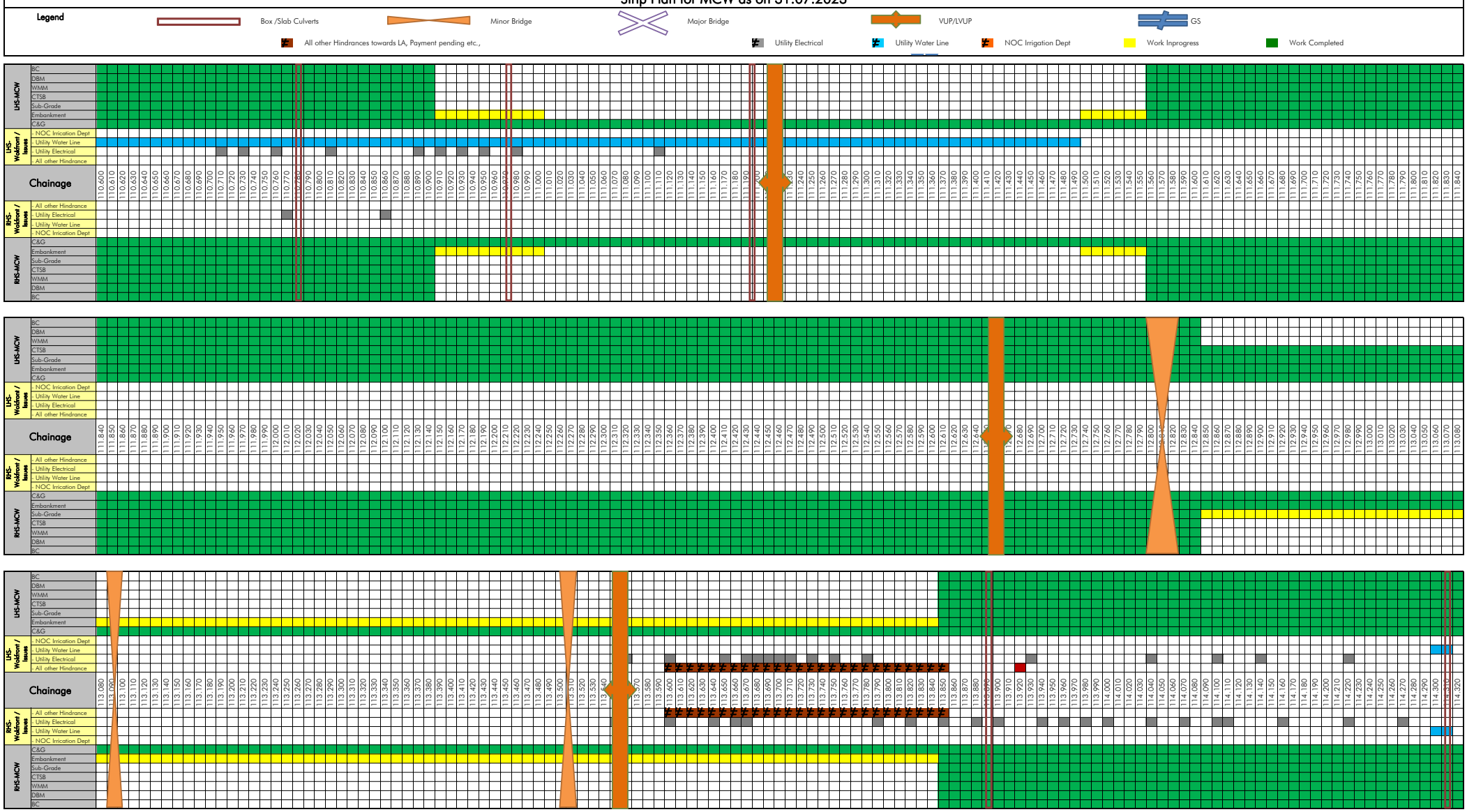
Strip Plan for MCW as on 31.07.2023



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

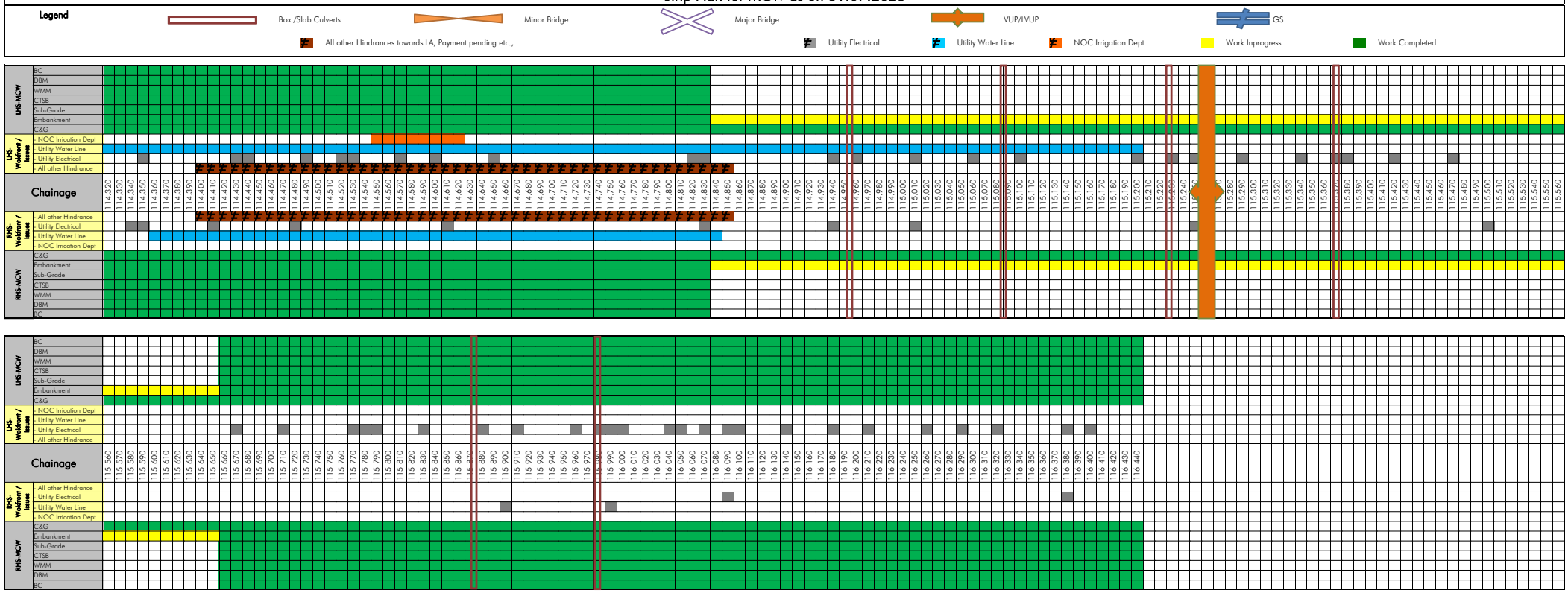
Strip Plan for MCW as on 31.07.2023



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

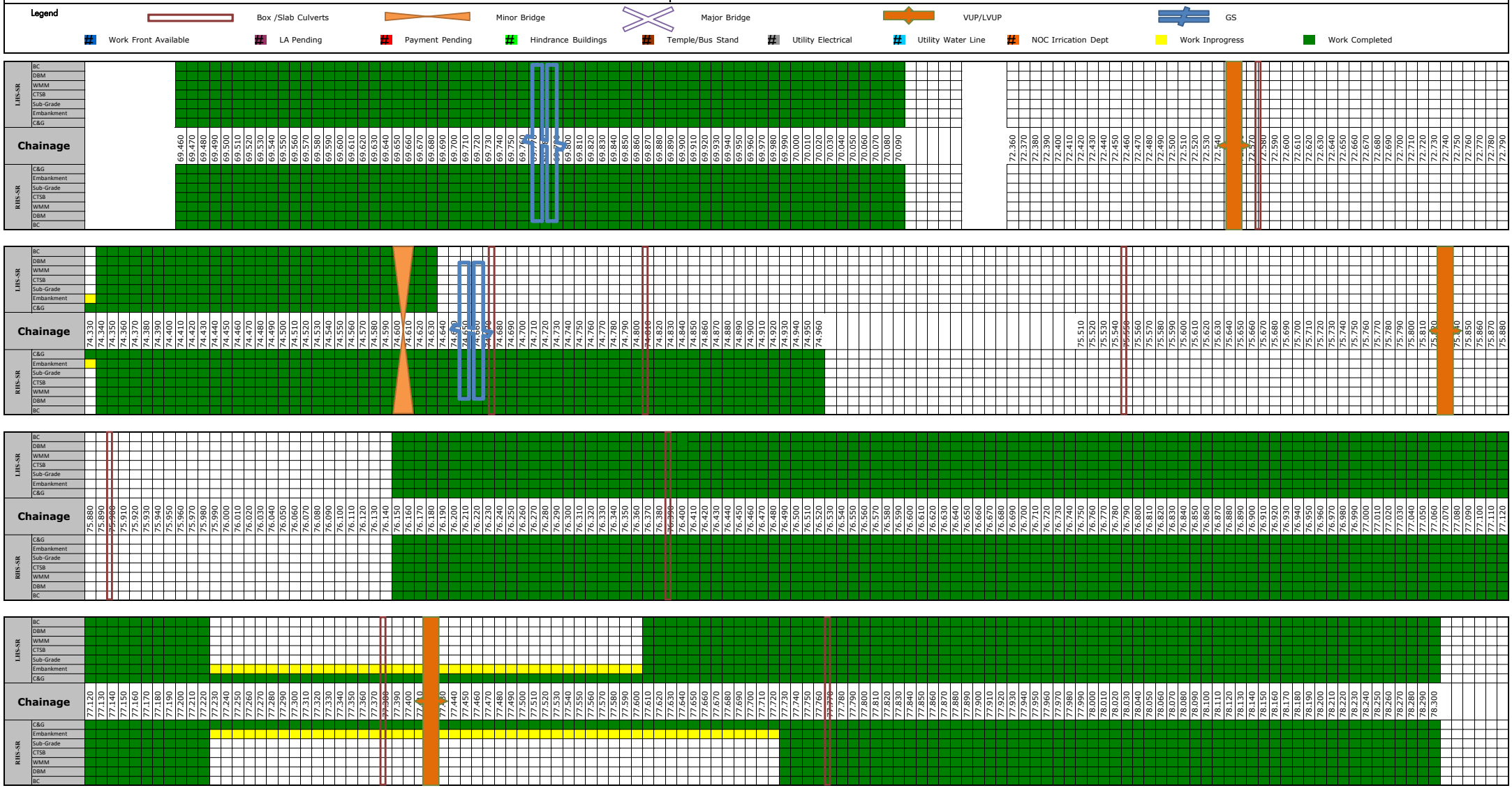
Strip Plan for MCW as on 31.07.2023



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

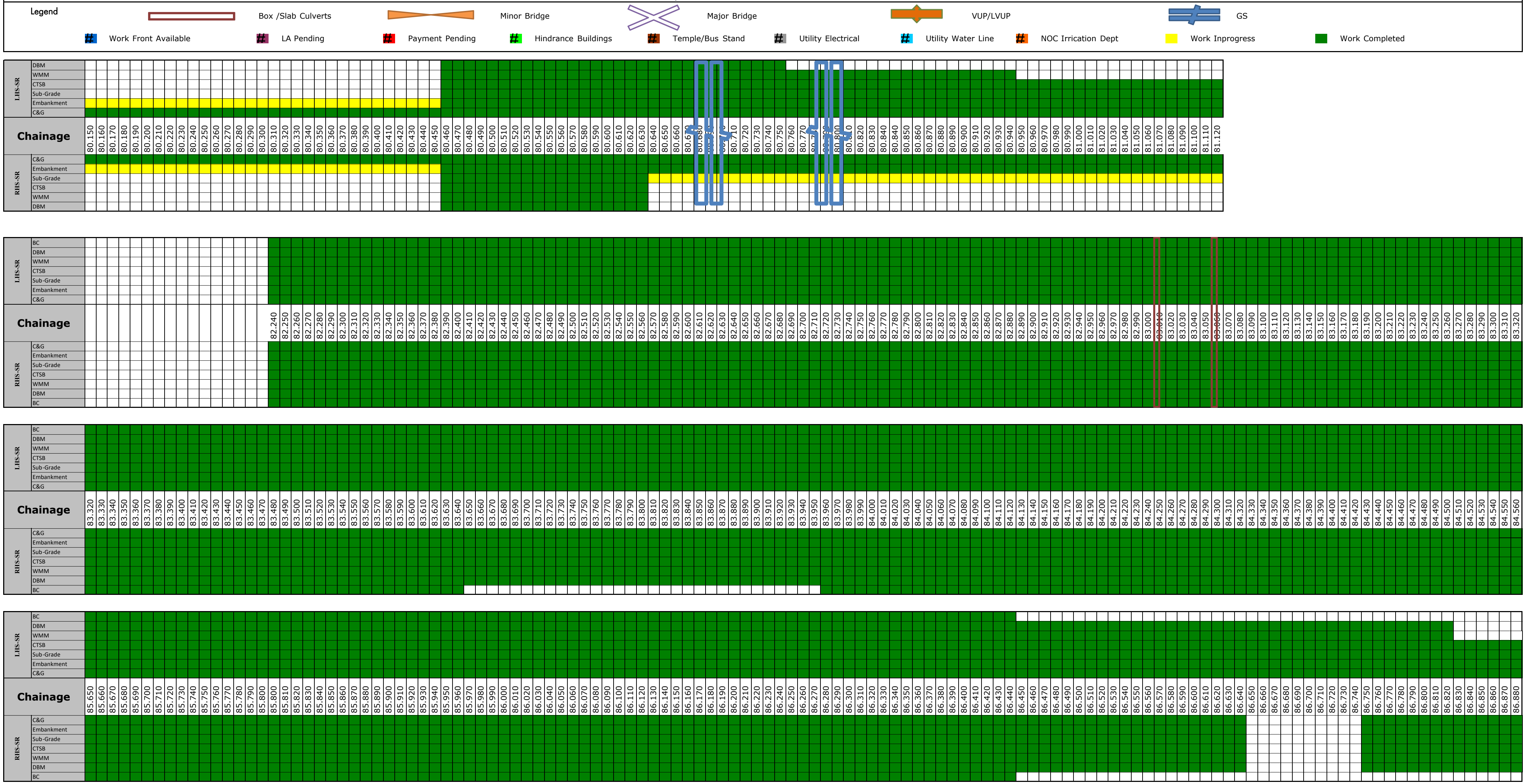
Strip Plan for SR as on 31.07.2023



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

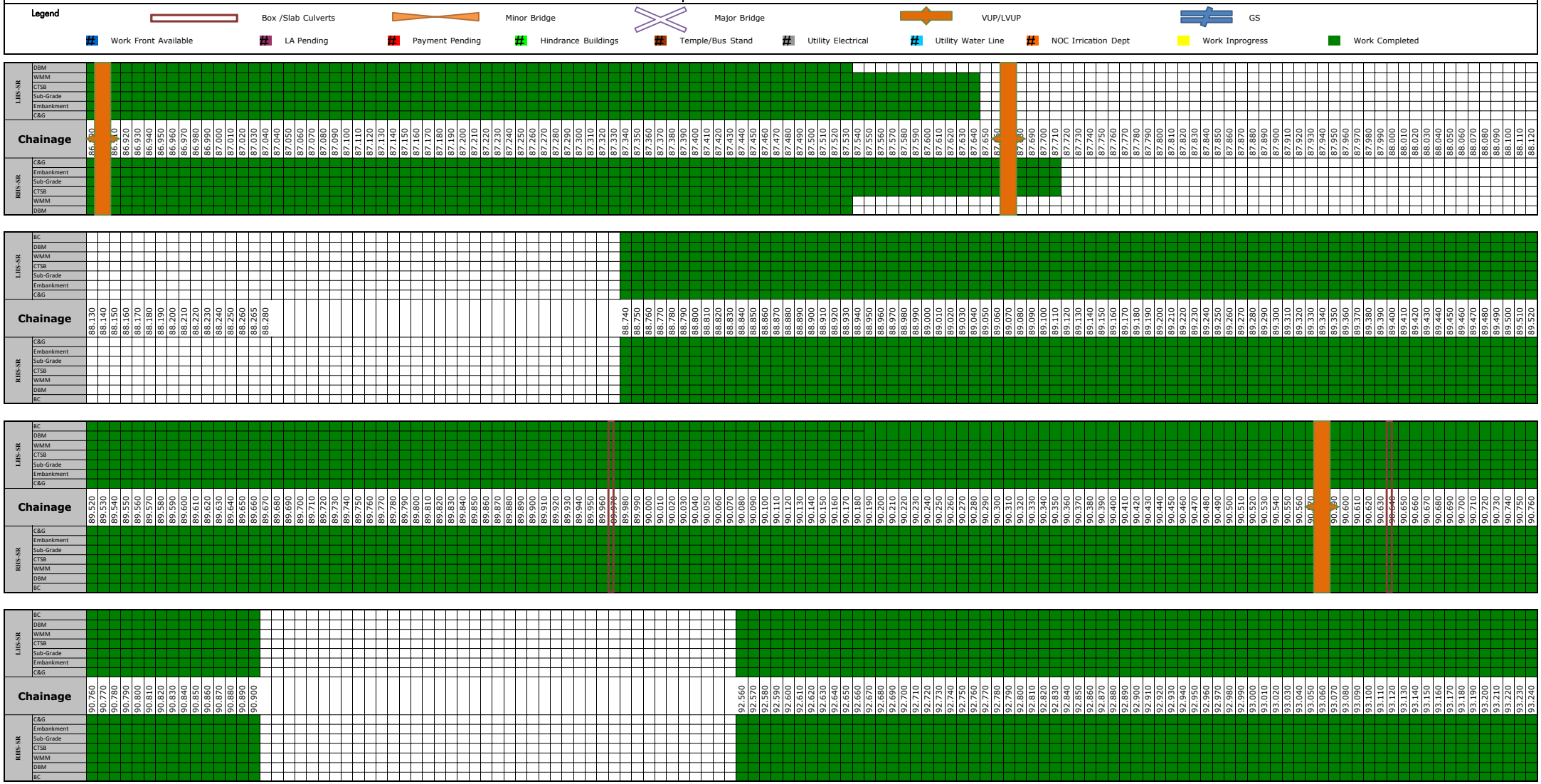
Strip Plan for SR as on 31.07.2023



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 31.07.2023



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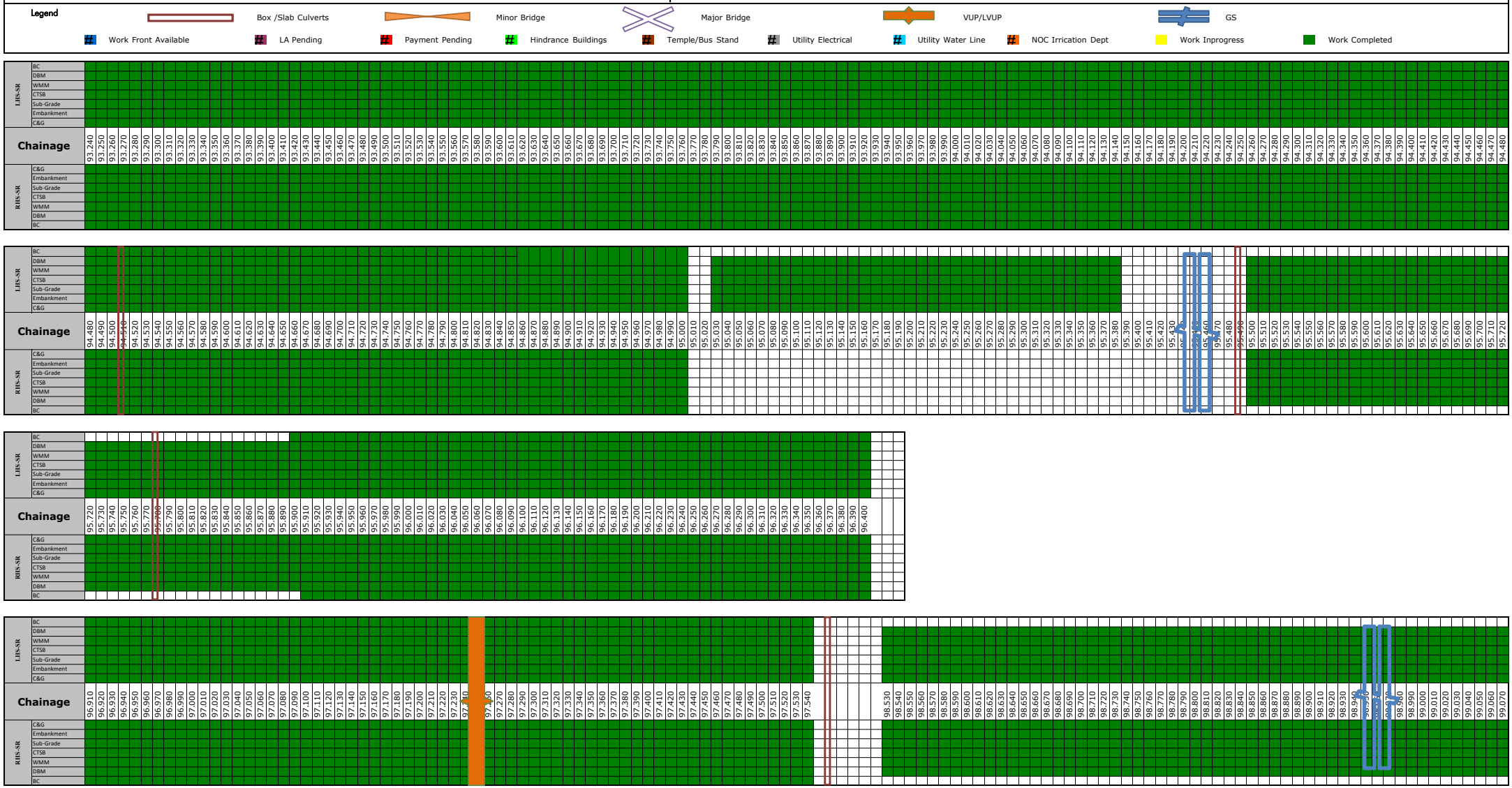
Sethiyahopu - Cholopuram Road Projects

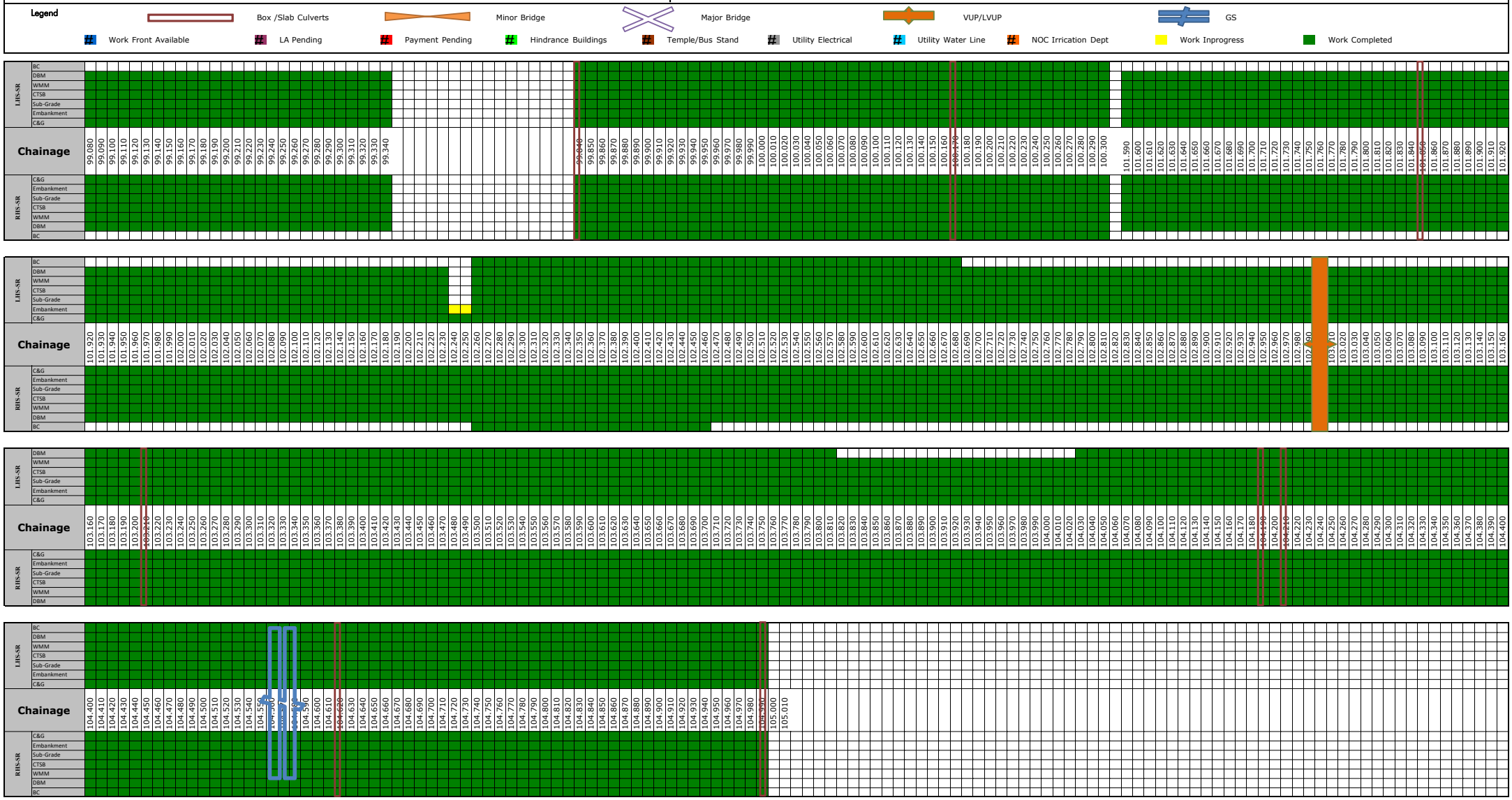
Strip Plan for SR as on 31.07.2023



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

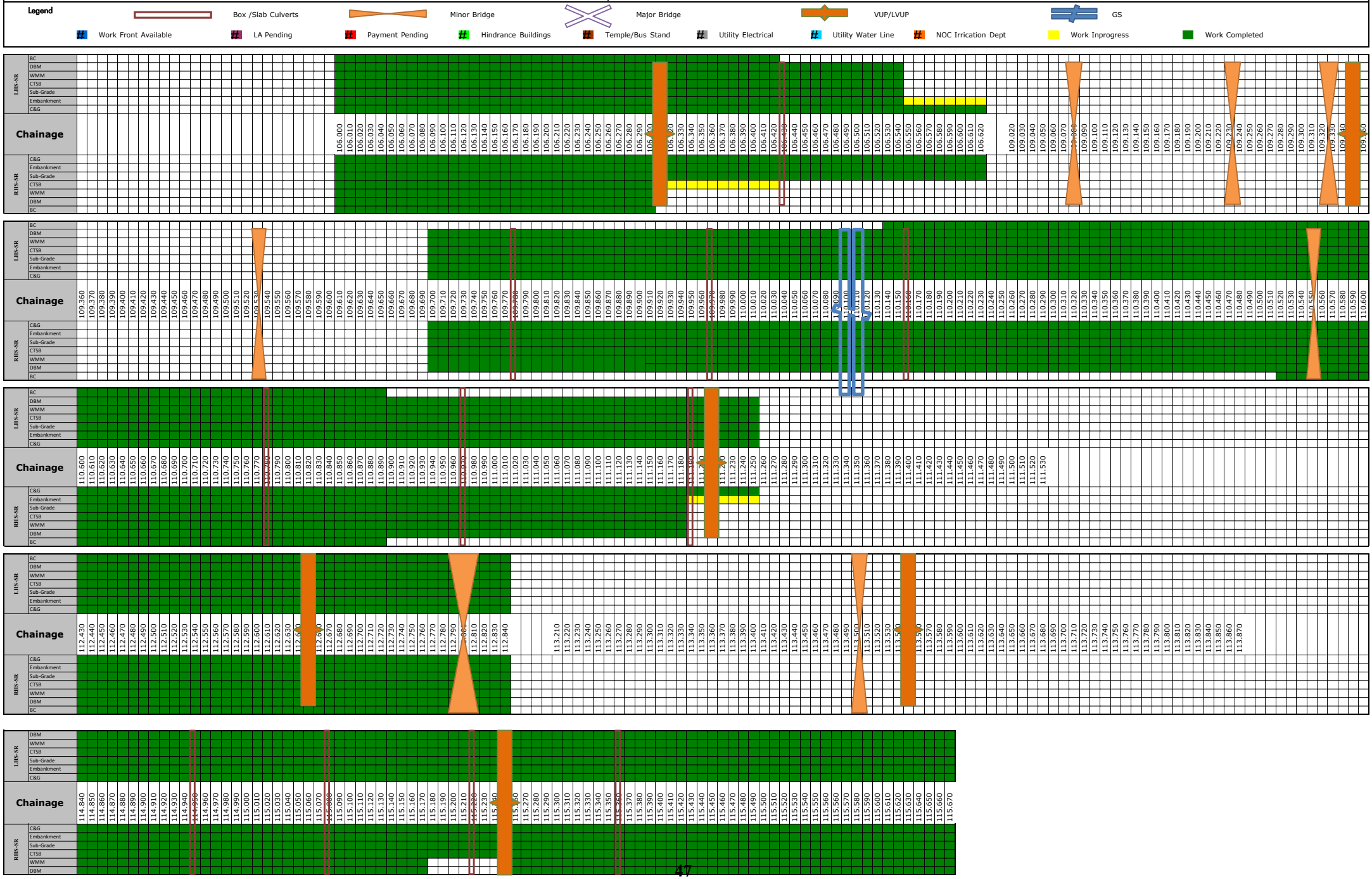
Strip Plan for SR as on 31.07.2023



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 31.07.2023



MPR JULY 2023

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

Completed | In Progress

Status Upto	31.07.2023						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	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	31.07.2023						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																
5	76+390	76.387	EXISTING	1 x 3.0m	Reconstruction	BOX CULVERT																
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7	77+767	77.764	EXISTING	1 x 2.0m	Widening	BOX CULVERT																
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	31.07.2023					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	31.07.2023					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	31.07.2023					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	74+173	74.175	2 x 12.5m	MNBB	BYPASS																
13	74+605	74.600	2 x 12.5m	MNBB	BYPASS																
14	105+915	105.915	2 x 12.5m	MNBB	BYPASS																
15	109+090	109.088	2 x 12.5m	MNBB	BYPASS																
16	109+195	109.208	2 x 12.5m	MNBB	BYPASS																
17	109+365	109.365	2 x 12.5m	MNBB	BYPASS																
18	109+540	109.540	2 x 12.5m	MNBB	BYPASS																
19	111+563	111.565	2 x 12.5m	MNBB	BYPASS																
20	112+807	112.807	1 x 25m	MNBB	BYPASS																
21	113+100	113.100	2 x 12.5m	MNBB	BYPASS																
22	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	31.07.2023					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 & PUP						Completed							In Progress					
Status Upto	31.07.2023				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	1 X 10.5	LVUP	EXISTING													
2	112+643	1 X 10.5	LVUP	BYPASS													

SETHIYAHOPU CHOLOPURAM PROJECT - STATUS OF MNB - GIRDER TYPE					Completed										In Progress									
Status upto	31.07.2023				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																		Completed
MJB at Chainage 66+530 (8x30) - BYPASS																		In Progress
Status Upto 31.07.2023	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																		

MJB at Chainage 73+340 (9x30) - BYPASS																		Completed
																		In Progress
Status Upto 31.07.2023	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																		

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

Completed
In Progress

Status Upto 31.07.2023	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 31.07.2023	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	31.07.2023				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	31.07.2023				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																		

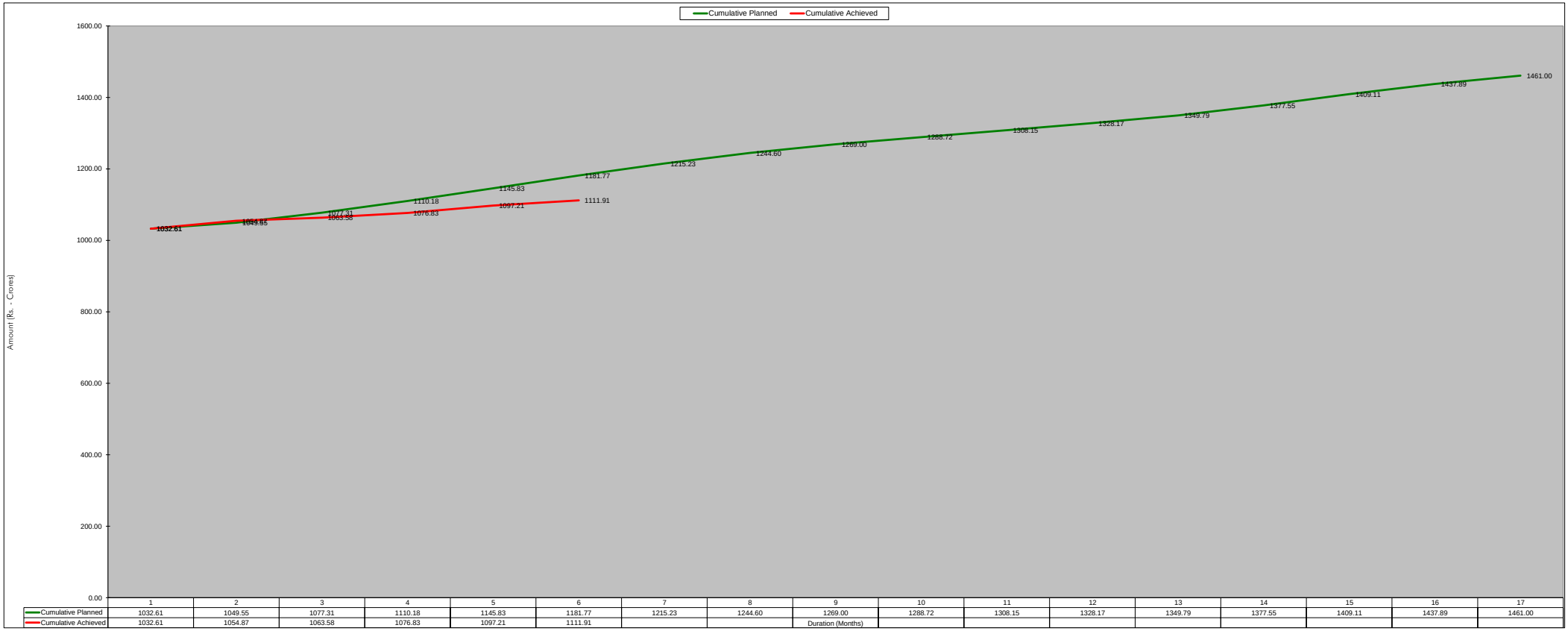
5. Financial & Physical Progress of Work

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

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

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

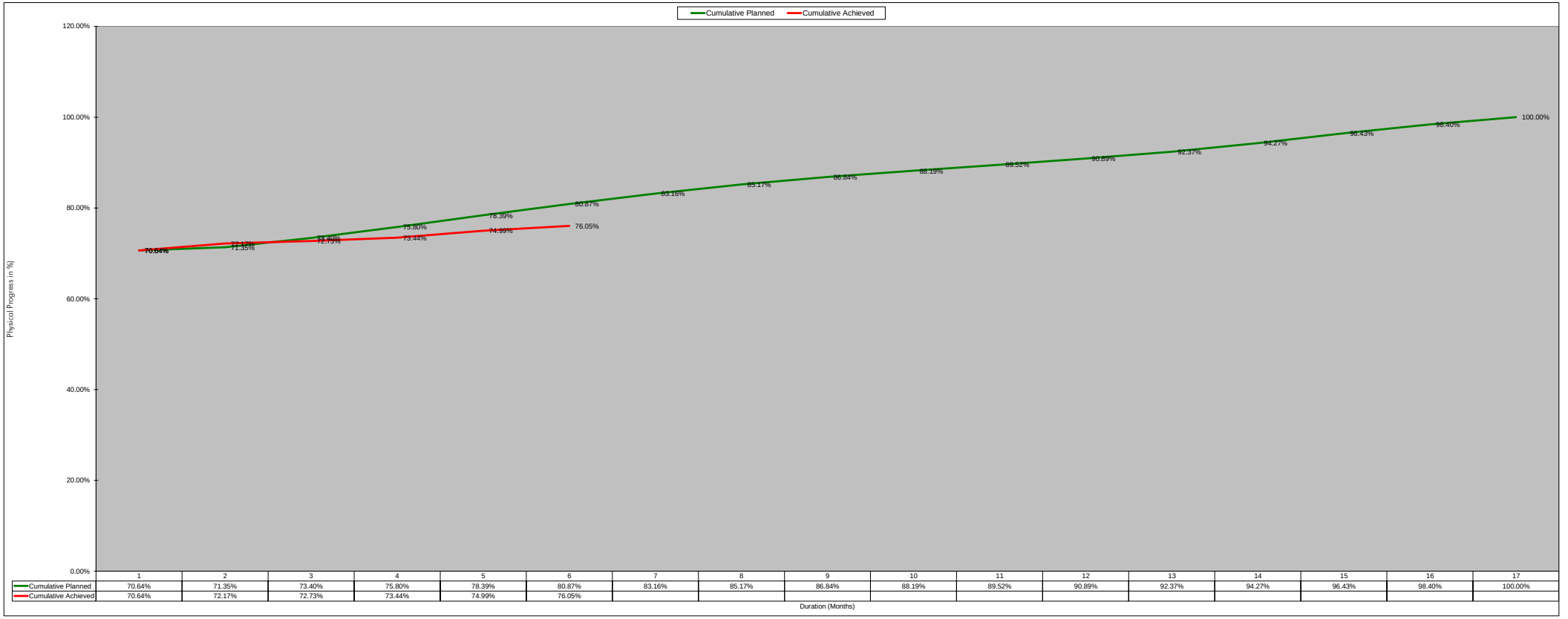
Fig. 03a- Financial Progress (Revised S-Curve) as per Settlement Agreement signed on dated 20.03.2023.



	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	20.37	14.70											
	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	1097.21	1111.91											
	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%	1.4%	1.0%											
	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%	75.10%	76.11%											

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.



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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%	74.99%	76.05%											

	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	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%	1.55%	1.06%											
	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%	74.99%	76.05%											

6. Quality Control and Quality Assurance

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	Spatula 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 2.69 kg Rammer mid steel	4 Nos

34	Proctor compaction mould 150mm dia with 4.89 kg 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	Pycnometer 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	Field 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 July - 2023 are tabulated below:-

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

Sr. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month July 2023						Test conducted upto this month			
								Tested		Passed		Failed					
				Nos. of test Conducted EPC/ Concessionaire	Passed	Failed	Nos. of test witnessed by IE	Concessionaire	IE	Concessionaire	IE	Concessionaire	IE	Nos. 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	1780	1780	0	962	40	20	40	20	0	0	1820	1820	0	982
2.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m^3	1780	1780	0	962	40	20	40	20	0	0	1820	1820	0	982
2.3	Proctor	IS:2720 (Part8)	1 test /1500 m^3	1780	1780	0	962	40	20	40	20	0	0	1820	1820	0	982
2.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m^3	1780	1780	0	962	40	20	40	20	0	0	1820	1820	0	982
2.5	California bearing ratio	IS:2720 (Part16)	1 test /3000 m^3	528	514	16	278	0	0	0	0	0	0	528	514	16	278
2.6	Direct shear Test	IS:2720 (Part13)	1 test /3000 m^3	363	360	3	186	20	10	20	10	0	0	383	380	3	196
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	113	111	2	57	20	5	20	5	0	0	133	131	2	62
3.2	Atterberg Limits	IS:2720 (Part5)	1 test /1500 m^3	113	111	2	57	20	5	20	5	0	0	133	131	2	62
3.3	Proctor	IS:2720 (Part8)	1 test /1500 m^3	113	111	2	57	20	5	20	5	0	0	133	131	2	62
3.4	Free Swell index	IS:2720 (Part40)	1 test /1500 m^3	113	111	2	57	20	5	20	5	0	0	133	131	2	62
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	25	25	0	11	0	0	0	0	0	0	25	25	0	11
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	497	497	0	282	0	0	0	0	0	0	497	497	0	282
5.2	Maximum Dry Density	Clause 5.2	1 test /1500 m^3	497	497	0	294	0	0	0	0	0	0	497	497	0	294
5.3	Grain size analysis	IS:2720 (Part4)	1 test /3000 m^3	357	357	0	206	0	0	0	0	0	0	357	357	0	206
5.4	Direct shear Test	IS:2720 (Part13)	1 test /3000 m^3	227	227	0	126	0	0	0	0	0	0	227	227	0	126

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								Concessionaire	IE	Concessionaire	IE	Concessionaire	IE				
6.0 Field Density Test (MoRT&H 305)																	
6.1	Field density (OGL)	IS:2720 (Part28)	1 test /3000 sqm	4492	4369	123	1098	0	0	0	0	0	0	4492	4369	123	1098
6.2	EMB field density	IS:2720 (Part28)	1 test /3000 sqm	103393	100102	3291	18354	5982	778	5832	760	150	18	109375	105934	3441	19132
6.3	SG field density	IS:2720 (Part28)	1 test /2000 sqm	21658	21073	585	6726	258	70	240	70	18	0	21916	21313	603	6796
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	6344	6258	86	674	768	50	720	50	48	0	7112	6978	134	724
6.6	Ground improvement & Median filling (Flyash)	IS:2720 (Part28)	1 test /2000 sqm	41271	39979	1292	5342	2356	205	1990	190	366	15	43627	41969	1658	5547
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	115	102	13	99	0	0	0	0	0	0	115	102	13	99
8.2	Grain size analysis	IS:2720 (Part4)	As required	115	108	7	99	0	0	0	0	0	0	115	108	7	99
8.3	Proctor	IS:2720 (Part8)	As required	115	108	7	99	0	0	0	0	0	0	115	108	7	99
8.4	Direct shear Test	IS:2720 (Part13)	As required	115	96	19	99	0	0	0	0	0	0	115	96	19	99
8.5	Bearing Capacity / Plate Load Test	IS:6403 / IS:1888	As required	112	58	54	68	0	0	0	0	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	1344	1344	0	564	50	14	50	14	0	0	1394	1394	0	578
9.2	Atterberg Limits	IS:2720 (Part5)	1 test/400m^3	1223	1223	0	487	50	14	50	14	0	0	1273	1273	0	501
9.3	Proctor	IS:2720 (Part8)	As required	70	70	0	68	2	2	2	2	0	0	72	72	0	70
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	7032	7032	0	3878	138	47	138	47	0	0	7170	7170	0	3925
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	2350	2350	0	899	45	13	45	13	0	0	2395	2395	0	912
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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								Concessionaire	IE	Concessionaire	IE	Concessionaire	IE				
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/1000m^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/500m^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	875	875	0	360	18	7	18	7	0	0	893	893	0	367
13.2	Aggregate Impact Value	IS:2386 (Part4)	1 test/1000m^3	527	527	0	214	10	5	10	5	0	0	537	537	0	219
13.3	Flakiness & Elongation index	IS:2386 (Part1)	1 test/500m^3	541	541	0	200	10	5	10	5	0	0	551	551	0	205
13.4	Atterberg Limits	IS:2720 (Part5)	1 test/200m^3	838	838	0	326	18	7	18	7	0	0	856	856	0	333
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	33	33	0	31	1	1	1	1	0	0	34	34	0	32
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	1936	1936	0	1042	28	8	28	8	0	0	1964	1964	0	1050
14.0 Dense Bituminous Macadam (Grade - II)																	
14.1	Bitumen Extraction & Gradation		1 Test/400MT	525	525	0	248	10	8	10	8	0	0	535	535	0	256
14.2	Combined Gradation	Table 500 - 18, Grad.II	1 Test/400MT	512	512	0	225	10	8	10	8	0	0	522	522	0	233
14.3	Individual Gradation Sets	Table 500 - 18, Grad.II	1 Test/400MT	511	511	0	228	10	8	10	8	0	0	521	521	0	236
14.4	Flakiness & Elongation index	MoRT&H Table 900 - 4	1 test/350m^3	327	327	0	149	5	4	5	4	0	0	332	332	0	153
14.5	Aggregate Impact Value	MoRT&H Table 900 - 4	1 test/350m^3	374	374	0	169	5	4	5	4	0	0	379	379	0	173
14.6	Marshall Density	ASTM D 2726	1 Set/400MT	546	546	0	251	10	8	10	8	0	0	556	556	0	259
14.7	GMM	MoRT&H Table 900 - 4	1 Test/400MT	517	517	0	237	10	8	10	8	0	0	527	527	0	245
14.8	DBM Core Cutting	MoRT&H Table 900 - 4	1 Test/700M^2	1526	1526	0	899	29	29	29	29	0	0	1555	1555	0	928
Bitumen test (VG -40)																	
14.9	Softening Point	IS:1205 - 1978	1 Test/ 1 lot	257	257	0	118	1	1	1	1	0	0	258	258	0	119
14.10	Penetration	IS:1205 - 1978	1 Test/ 1 lot	257	257	0	118	1	1	1	1	0	0	258	258	0	119
14.11	Viscosity	IS:1205 - 1978	1 Test/ 1 lot	257	257	0	118	1	1	1	1	0	0	258	258	0	119

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								Concessionaire	IE	Concessionaire	IE	Concessionaire	IE				
15.0 Bituminous Concrete (Grade - II) PMB MCW																	
15.1	Bitumen Extraction & Gradation	IRC SP 11	1 Test/400MT	297	297	0	171	2	2	2	2	0	0	299	299	0	173
15.2	Combined Gradation	Table 500 - 17, Grad.II	1 Test/400MT	297	297	0	185	2	2	2	2	0	0	299	299	0	187
15.3	Individual Gradation Sets	Table 500 - 17, Grad.II	1 Test/400MT	297	297	0	185	2	2	2	2	0	0	299	299	0	187
15.4	Flakiness & Elongation index	MoRT&H Table 900 - 4	1 test/350m^3	148	148	0	85	1	1	1	1	0	0	149	149	0	86
15.5	Aggregate Impact Value	MoRT&H Table 900 - 4	1 test/350m^3	150	150	0	87	1	1	1	1	0	0	151	151	0	88
15.6	Marshall Density	ASTM D 2726	1 Set/400MT	293	293	0	160	2	2	2	2	0	0	295	295	0	162
15.7	GMM	MoRT&H Table 900 - 4	1 Test/400MT	296	296	0	163	2	2	2	2	0	0	298	298	0	165
15.8	BC Core Cutting	MoRT&H Table 900 - 4	1 Test/700M^2	1112	1112	0	577	9	9	9	9	0	0	1121	1121	0	586
16.0 Bituminous Concrete (Grade - II) VG-40 S/R																	
16.1	Bitumen Extraction & Gradation	IRC SP 11	1 Test/400MT	76	76	0	37	0	0	0	0	0	0	76	76	0	37
16.2	Combined Gradation	Table 500 - 17, Grad.II	1 Test/400MT	73	73	0	36	0	0	0	0	0	0	73	73	0	36
16.3	Individual Gradation Sets	Table 500 - 17, Grad.II	1 Test/400MT	73	73	0	36	0	0	0	0	0	0	73	73	0	36
16.4	Flakiness & Elongation index	MoRT&H Table 900 - 4	1 test/350m^3	42	42	0	23	0	0	0	0	0	0	42	42	0	23
16.5	Aggregate Impact Value	MoRT&H Table 900 - 4	1 test/350m^3	42	42	0	23	0	0	0	0	0	0	42	42	0	23
16.6	Marshall Density	ASTM D 2726	1 Set/400MT	73	73	0	36	0	0	0	0	0	0	73	73	0	36
16.7	GMM	MoRT&H Table 900 - 4	1 Test/400MT	73	73	0	36	0	0	0	0	0	0	73	73	0	36
16.8	BC Core Cutting	MoRT&H Table 900 - 4	1 Test/700M^2	258	258	0	158	0	0	0	0	0	0	258	258	0	158
Bitumen test (PMB)																	
16.9	Softening Point	IS:1205 - 1978	1 Test/ 1 lot	173	173	0	74	1	1	1	1	0	0	174	174	0	75
16.10	Elastic recovery	IS:15462 - 2019	1 Test/ 1 lot	173	173	0	74	1	1	1	1	0	0	174	174	0	75
17.0 Prime Coat																	
17.0	Rate of Spread of Binder		Three tests per day	1144	1144	0	497	9	3	9	3	0	0	1153	1153	0	500
17.1 Emulsion Test (SS-1)																	
17.1	Say bolt Viscometer	IS:8887 - 2004	1 Test/ 1 lot	26	26	0	19	1	1	1	1	0	0	27	27	0	20
17.2 Tack Coat																	
17.2	Rate of Spread of Binder		Three tests per day	1574	1574	0	573	27	3	27	3	0	0	1601	1601	0	576
17.3 Emulsion Test (RS-1)																	
17.3	Say bolt Viscometer	IS:8887 - 2004	1 Test/ 1 lot	16	16	0	13	1	1	1	1	0	0	17	17	0	14
18.0 Fine Aggregate (MoRT&H 1008)																	
18.1	Gradation/ Sieve analysis	IS:2386 (Part1)	1 test per day	2448	2448	0	867	31	20	31	20	0	0	2479	2479	0	887
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	2306	2306	0	795	31	20	31	20	0	0	2337	2337	0	815
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	2362	2362	0	867	31	20	31	20	0	0	2393	2393	0	887
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	597	597	0	288	6	4	6	4	0	0	603	603	0	292
19.4	Flakiness index	IS:2386 (Part1)	1 test / each source & monthly	562	562	0	271	6	4	6	4	0	0	568	568	0	275
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	638	638	0	303	8	3	8	3	0	0	646	646	0	306
20.3	Normal Consistency	IS:4031 (Part4)	Every batch	610	610	0	303	8	3	8	3	0	0	618	618	0	306
20.4	Initial & Final setting time	IS:4031 (Part5)	Every batch	610	610	0	303	8	3	8	3	0	0	618	618	0	306
20.5	Soundness of Cement	IS:4031 (Part3)	Every batch	554	554	0	269	8	3	8	3	0	0	562	562	0	272
20.6	Compressive Strength-set	IS:4031 (Part6)															
	3 days		1 test per Lot	570	570	0	252	8	3	8	3	0	0	578	578	0	255
	7 days		1 test per Lot	562	562	0	250	8	3	8	3	0	0	570	570	0	253
	28 days		1 test per Lot	558	558	0	238	5	3	5	3	0	0	563	563	0	241
21.0 Concrete Cube Strength																	
	M15 PCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	897	897	0	302	16	2	16	2	0	0	913	913	0	304
	28Days Compressive Strength			1461	1461	0	642	30	8	30	8	0	0	1491	1491	0	650
	M20 KERB																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	362	362	0	85	2	2	2	2	0	0	364	364	0	87
	28Days Compressive Strength			918	918	0	218	12	4	12	4	0	0	930	930	0	222
	M20 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	512	512	0	150	24	10	24	10	0	0	536	536	0	160
	28Days Compressive Strength			957	957	0	288	39	12	39	12	0	0	996	996	0	300
	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			57	57	0	23	0	0	0	0	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			146	146	0	84	0	0	0	0	0	0	146	146	0	84
	M30 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	929	929	0	325	12	4	12	4	0	0	941	941	0	329
	28Days Compressive Strength			1542	1542	0	619	19	6	19	6	0	0	1561	1561	0	625

Sr. No.	Description	IS Specification Clause	Frequency of Tests	Test conducted upto Previous month				Tests conducted during reporting month July 2023						Test conducted upto this month			
								Tested		Passed		Failed					
				Nos. of test Conducted EPC/ Concessionaire	Passed	Failed	Nos. of test witnessed by IE	Concessionaire	IE	Concessionaire	IE	Concessionaire	IE	Nos. 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	217	217	0	88	1	1	1	1	0	0	218	218	0	89
	28Days Compressive Strength			524	524	0	268	22	7	22	7	0	0	546	546	0	275
	M35 RCC																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	418	418	0	196	0	0	0	0	0	0	418	418	0	196
	28Days Compressive Strength			860	860	0	442	2	2	2	2	0	0	862	862	0	444
	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			3004	3004	0	1638	0	0	0	0	0	0	3004	3004	0	1638
	M35 RCC PUMPABLE																
	7Days Compressive Strength	MoRT&H Sec. 1700	MoRT&H Sec. 1700 No of sets	1425	1425	0	594	19	8	19	8	0	0	1444	1444	0	602
	28Days Compressive Strength			4313	4313	0	2151	32	19	32	19	0	0	4345	4345	0	2170
	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	1057	1057	0	398	25	10	25	10	0	0	1082	1082	0	408
	28Days Compressive Strength			2305	2305	0	964	49	16	49	16	0	0	2354	2354	0	980
	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	447	447	0	190	8	4	8	4	0	0	455	455	0	194
	28Days Compressive Strength			1132	1132	0	448	11	5	11	5	0	0	1143	1143	0	453
	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	2	2	2	2	0	0	661	661	0	220
	28Days Compressive Strength			2266	2266	0	743	0	0	0	0	0	0	2266	2266	0	743

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

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 Hybrid Annuity Mode.					
SOURCE APPROVAL SUMMARY					
Sr. 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	TES/IE/SC/PIL/2020/671	Approved
		M/s D.P.Wires Limited	PSCHPL/SCP/IE/2018/045		
		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
9	Emulsion	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
		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
		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

10	Bitumen	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 Asphalt	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 Crash Barrier	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	Factory visit Required	

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 31/07/2023)									
Sr. No.	B/A NO.	Location	Lead From NH-45C	Side	Suitable For	Approved Qty In M^3	Submission Letter No	Approved Letter No	Remarks
1	1	Maruvay 61+090	1.5 km	LHS	EMB	18000	PSCHPL/SCP/IE/2018/093	TES/IE/SCP/PIL/2018/059	Approved
2	1	61+090 LHS (Maruvai) EX - 01	1.5 km	LHS	EMB	30000	PSCHPL/SCP/IE/2020/656	TES/IE/SC/PIL/2020/470	Approved
3	1	61+090 LHS (Maruvai) EX - 02	1.5 Km	LHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2020/656	TES/IE/SC/PIL/2020/470	Approved
4	1	61+090 LHS (Maruvai) EX - 03	1.5km	LHS	EMB	30000	PSCHPL/SCP/IE/2020/670	TES/IE/SC/PIL/2020/477	Approved
5	1	61+090 LHS (Maruvai) EX - 04	1.5km	LHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2020/679	TES/IE/SC/PIL/2020/486	Approved
6	1	61+090 LHS (Maruvai) EX - 05	1.5km	LHS	EMB	30000	PSCHPL/SCP/IE/2020/679	TES/IE/SC/PIL/2020/486	Approved
7	1	61+090 LHS (Maruvai) EX - 06	1.5km	LHS	EMB	45000	PSCHPL/SCP/IE/2020/683	TES/IE/SC/PIL/2020/500	Approved
8	2	106+350 RHS Kodali	4.0 km	RHS	EMB	18000	PSCHPL/SCP/IE/2018/084	TES/IE/SCP/PIL/2018/061	Approved
9	2	106+350 RHS (Kodali) EX - 01	4.0 km	RHS	EMB	30000	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	PSCHPL/SCP/IE/2020/689	TES/IE/SC/PIL/2020/490	Approved
11	3	113+250 LHS Paalur	2.0 km	LHS	EMB	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	PSCHPL/SCP/IE/2018/147	TES/IE/SCP/PIL/2018/122	Approved
13	5	113+250 LHS Manikudi	5.0 km	LHS	EMB	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	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	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	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	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	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	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	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	PSCHPL/SCP/IE/2023/1449	TES/IE/SC/PIL/2023/877	Approved
24	8	98+950 RHS Ponnery	5.0 km	RHS	EMB	30000	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	PSCHPL/SCP/IE/2019/488	TES/IE/SCP/PIL/2019/386	Approved
26	9	106+320 RHS (Uthayanatham)	3.0 km	RHS	EMB	25500	PSCHPL/SCP/IE/2019/302	TES/IE/SCP/PIL/2019/247	Approved
27	9	106+320 RHS (Uthayanatham EX-01)	3.0 km	RHS	EMB	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	PSCHPL/SCP/IE/2019/302	TES/IE/SCP/PIL/2019/247	Approved
29	10	96+600 LHS (Pandianeery) EX-01	3.0 km	LHS	EMB	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	PSCHPL/SCP/IE/2021/950	TES/IE/SC/PIL/2021/630	Approved
31	11	88+550 (Kaduvetti)	1.0 Km	LHS	EMB	25500	PSCHPL/SCP/IE/2019/335		Approved
32	11	88+550 (Kaduvetti) EX - 01	1.0 Km	LHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2019/352	TES/IE/SCP/PIL/2019/280	Approved
33	12	90+500 Puthueary	7.0 Km	RHS	EMB & SUBGRADE	30000	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	PSCHPL/SCP/IE/2019/510		
35	12	90+500 Puthueary EX-02	7.0 Km	RHS	EMB & SUBGRADE	30000	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	PSCHPL/SCP/IE/2019/387	TES/IE/SCP/PIL/2019/302	Approved
39	16	82+900 Aandi Palayam	2.0 Km	RHS	EMB	18000	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	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	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	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	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	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	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	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	PSCHPL/SCP/IE/2023/1418	TES/IE/SC/PIL/2023/866	Approved
48	16	82+900 Aandi Palayam EX-08	2.0 Km	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2023/1619	TES/IE/SC/PIL/2023/933	Approved
49	17	94+400 kundaveli East	1.0 Km	LHS	EMB	30000	PSCHPL/SCP/IE/2019/408	TES/IE/SC/PIL/2019/320	Approved
50	18	83+000 Vanamadevi	1.0 Km	LHS	EMB	15000	PSCHPL/SCP/IE/2019/397	TES/IE/SC/PIL/2019/314	Approved
51	19	101+900 Thaluthalai Medu	1.0 Km	RHS	EMB	30000	PSCHPL/SCP/IE/2019/422	TES/IE/SC/PIL/2019/355	Approved
52	20	110+100 Athipakkam	6.0 km	RHS	EMB	15000	PSCHPL/SCP/IE/2019/452	TES/IE/SC/PIL/2019/354	Approved
53	21	103+200 Vembankudi	0.5 Km	LHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2019/463	TES/IE/SC/PIL/2019/362	Approved
54	21	103+200 Vembankudi EX-01	0.5 Km	LHS	SUBGRADE & RE WALL	22500	PSCHPL/SCP/IE/2020/717	TES/IE/SC/PIL/2020/504	Approved
55	21	103+200 Vembankudi EX-02	0.5 Km	LHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2020/775	TES/IE/SC/PIL/2020/538	Approved
56	22	97+300 Muthuservamadam	2.0 Km	RHS	EMB	30000	PSCHPL/SCP/IE/2019/447	TES/IE/SC/PIL/2019/349	Approved
57	23	80+500 Kandiyankuppam	15.00	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2019/561	TES/IE/SC/PIL/2019/418	Approved
58	23	80+500 Kandiyankuppam EX - 01	15.00	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2020/626	TES/IE/SC/PIL/2020/452	Approved
59	23	80+500 Kandiyankuppam EX - 02	15.00	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2021/812	TES/IE/SC/PIL/2021/555	Approved
60	23	80+500 Kandiyankuppam EX - 03	15.00	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2021/845	TES/IE/SC/PIL/2021/576	Approved
61	24	106+900 Karaikuruchi	20.00	RHS	EMB	15000	PSCHPL/SCP/IE/2020/636	TES/IE/SC/PIL/2020/453	Approved
62	24	106+900 Karaikuruchi EX - 01	20.00	RHS	SUBGRADE	30000	PSCHPL/SCP/IE/2020/691	TES/IE/SC/PIL/2020/491	Approved
63	24	106+900 Karaikuruchi EX - 02	20.00	RHS	SUBGRADE	30000	PSCHPL/SCP/IE/2021/961	TES/IE/SC/PIL/2021/632	Approved
64	24	106+900 Karaikuruchi EX - 03	20.00	RHS	SUBGRADE	30000	PSCHPL/SCP/IE/2021/1018	TES/IE/SC/PIL/2021/654	Approved
65	25	90+500 RHS (IDAIPALLAM)	6.00	LHS	EMB	15000	PSCHPL/SCP/IE/2020/637	TES/IE/SC/PIL/2020/454	Approved
66	25	90+500 RHS (IDAIPALLAM) EX-01	6.00	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2020/640	TES/IE/SC/PIL/2020/469	Approved
67	26	98+900 LHS (kommedu)	19.00	RHS	RE WALL	30000	PSCHPL/SCP/IE/2020/661	TES/IE/SC/PIL/2020/472	Approved
68	27	91+400RHS (pappakudi)	0.80	RHS	EMB	15000	PSCHPL/SCP/IE/2020/657	TES/IE/SC/PIL/2020/471	Approved

69	28	92+600 RHS Chokalingapuram	0.70	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2020/676	TES/IE/SC/PIL/2020/471	Approved
70	28	92+600 RHS Chokalingapuram EX-01	0.70	RHS	SUBGRADE	30000	PSCHPL/SCP/IE/2020/838	TES/IE/SC/PIL/2020/568	Approved
71	28	92+600 RHS Chokalingapuram EX-02	0.70	RHS	SUBGRADE	30000	PSCHPL/SCP/IE/2022/1165	TES/IE/SC/PIL/2022/779	Approved
72	29	90+580 RHS Irudhayapuram	10.00	RHS	EMB	15000	PSCHPL/SCP/IE/2020/711	TES/IE/SC/PIL/2020/501	Approved
73	30	80+500 RHS Keelpathi	6.00	RHS	EMB & SUBGRADE	15000	PSCHPL/SCP/IE/2020/711	TES/IE/SC/PIL/2020/501	Approved
74	30	80+500 RHS Keelpathi EX - 1	6.00	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2021/926	TES/IE/SC/PIL/2021/618	Approved
75	30	80+500 RHS Keelpathi EX - 2	6.00	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2021/927	TES/IE/SC/PIL/2021/619	Approved
76	31	87+600 RHS Thirukalappur	10.00	RHS	SUBGRADE	30000	PSCHPL/SCP/IE/2020/717	TES/IE/SC/PIL/2020/504	Approved
77	32	106+300 RHS Keelnatham	35.00	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2020/725	TES/IE/SC/PIL/2020/505	Approved
78	33	87+600 RHS Thathur	10.00	RHS	EMB & RE WALL	30000	PSCHPL/SCP/IE/2020/736	TES/IE/SC/PIL/2020/511	Approved
79	35	115+250 RHS KADAMPANKUDI	6.00	RHS	EMB & RE WALL	30000	PSCHPL/SCP/IE/2020/812		
80	36	Thirukalapur kuppam	7.00	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2020/838	TES/IE/SC/PIL/2020/569	Approved
81	36	Thirukalapur kuppam Ex - 1	7.00	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2021/887	TES/IE/SC/PIL/2021/598	Approved
82	36	Thirukalapur kuppam Ex - 2	7.00	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2021/936	TES/IE/SC/PIL/2021/625	Approved
83	37	Manalmedu(109+350)	10.00	RHS	EMB	18000	PSCHPL/SCP/IE/2021/844	TES/IE/SC/PIL/2021/574	Approved
84	38	Melur (98+900)	18.00	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2021/847	TES/IE/SC/PIL/2021/578	Approved
85	38	Melur (98+900) EX - 1	18.00	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2021/886	TES/IE/SC/PIL/2021/599	Approved
86	39	Thirukalapur South (87+600)	10.00	RHS	EMB	18000	PSCHPL/SCP/IE/2021/853	TES/IE/SC/PIL/2021/584	Approved
87	40	Kaduvetti (88+750)	0.5KM	RHS	EMB & RE WALL	30000	PSCHPL/SCP/IE/2021/954	TES/IE/SC/PIL/2021/631	Approved
88	41	Simustnam	17KM	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2022/1062	TES/IE/SC/PIL/2022/669	Approved
89	41	Simustnam (ex-01)	17KM	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2022/1086	TES/IE/SC/PIL/2022/686	Approved
90	41	Simustnam (ex-02)	17KM	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2022/1102	TES/IE/SC/PIL/2022/717	Approved
91	41	Simustnam (ex-03)	17KM	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2022/1118	TES/IE/SC/PIL/2022/784	Approved
92	41	Simustnam (ex-04)	17KM	RHS	SUBGRADE & RE WALL	30000	PSCHPL/SCP/IE/2022/1201	TES/IE/SC/PIL/2022/803	Approved

93	42	Silal	12KM	RHS	EMB	18000	PSCHPL/SCP/IE/2022/1139	TES/IE/SC/PIL/2022/746	Approved
94	43	Kodangudi	44KM	RHS	EMB & SUBGRADE	30000	PSCHPL/SCP/IE/2022/1170	TES/IE/SC/PIL/2022/783	Approved
95	44	Stahampadi	41KM	RHS	RE WALL	30000	PSCHPL/SCP/IE/2023/1300	TES/IE/SC/PIL/2023/828	Approved
96	44	Stahampadi EX-01	41KM	RHS	RE WALL	30000	PSCHPL/SCP/IE/2023/1571	TES/IE/SC/PIL/2023/915	Approved
97	45	Suthamalli	43KM	RHS	EMB	30000	PSCHPL/SCP/IE/2023/1376	TES/IE/SC/PIL/2023/850	Approved
98	45	Suthamalli EX-01	43KM	RHS	EMB	30000	PSCHPL/SCP/IE/2023/1473	TES/IE/SC/PIL/2023/888	Approved
99	46	Kulathoor	24KM	RHS	RE WALL	30000	PSCHPL/SCP/IE/2023/1498	TES/IE/SC/PIL/2023/889	Approved
100	47	Paravathipuram	3KM	RHS	RE WALL	30000	PSCHPL/SCP/IE/2023/1506	TES/IE/SC/PIL/2023/891	Approved
TOTAL QTY EMB M^3						961500			
TOTAL QTY SUBGRADE M^3						180000			
TOTAL QTY EMB & SUBGRADE M^3						645000			
TOTAL QTY RE WALL M^3						216000			
TOTAL QTY SUBGRADE & RE WALL M^3						667500			
TOTAL EMB & RE WALL M^3						108000			
TOTAL QTY M^3						2778000			

FLYASH CONSUMPTION (UPTO 31/07/2023)									
1	1	FLYASH EX-01	30 Km	LHS	RE WALL	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		30000	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
22	22	FLYASH EX-22	32 Km	LHS		45000	PSCHPL/SCP/IE/2023/1587	TES/IE/SC/PIL/2023/932	Approved

7. Weather Report - Meensurutti

Date	Temperature (°C)		Rainfall in mm	Humidity in %		Remarks
	Max	Min		Max	Min	
1-Jul-2023	38.1	29.1	2.00	72	58	Rainy
2-Jul-2023	36.7	30.2	0.00	75	60	Cloudy
3-Jul-2023	37.1	28.1	0.00	74	58	Sunny
4-Jul-2023	37.9	29.7	0.00	62	56	Sunny
5-Jul-2023	38.1	30.2	0.00	62	46	Sunny
6-Jul-2023	39.6	29.8	0.00	60	48	Sunny
7-Jul-2023	39.8	30.6	0.00	61	44	Sunny
8-Jul-2023	39.2	30.7	0.00	63	43	Sunny
9-Jul-2023	40.2	29.4	65.00	64	44	Rainy
10-Jul-2023	35.1	29.3	8.00	76	56	Rainy
11-Jul-2023	31.5	27.1	0.00	82	62	Sunny
12-Jul-2023	33.7	28.3	0.00	79	60	Sunny
13-Jul-2023	35.3	30.2	0.00	77	56	Sunny
14-Jul-2023	36.2	29.9	0.00	67	58	Sunny
15-Jul-2023	36.9	29.1	0.00	67	54	Sunny
16-Jul-2023	37.3	30.4	0.00	70	52	Sunny
17-Jul-2023	37.8	30.1	0.00	72	55	Sunny
18-Jul-2023	38.2	29.8	0.00	65	58	Sunny
19-Jul-2023	37.9	30.4	0.00	61	52	Sunny
20-Jul-2023	38.2	30.5	0.00	62	50	Sunny
21-Jul-2023	38.8	30.3	0.00	64	51	Sunny
22-Jul-2023	39.4	30.7	0.00	68	58	Sunny
23-Jul-2023	38.3	31.6	16.00	59	54	Rainy
24-Jul-2023	36.3	28.1	0.00	75	60	Cloudy
25-Jul-2023	37.1	26.9	0.00	80	58	Cloudy
26-Jul-2023	36.0	28.4	0.00	71	62	Cloudy
27-Jul-2023	37.1	28.8	5.00	72	56	Rainy
28-Jul-2023	38.4	29.8	0.00	65	58	Sunny
29-Jul-2023	37.9	30.6	0.00	62	48	Sunny
30-Jul-2023	38.0	31.5	0.00	57	50	Sunny
31-Jul-2023	38.1	31.7	0.00	62	58	Sunny

Weather Report - Annakarai

Date	Temperature (°C)		Rainfall in mm	Humidity in %		Remarks
	Max	Min		Max	Min	
1-Jul-2023	38.2	29.2	3.00	70	59	Rainy
2-Jul-2023	36.9	30.4	0.00	74	61	Cloudy
3-Jul-2023	37.0	28.2	0.00	76	59	Sunny
4-Jul-2023	37.7	29.6	0.00	69	57	Sunny
5-Jul-2023	38.2	30.1	0.00	65	47	Sunny
6-Jul-2023	39.4	29.7	0.00	59	46	Sunny
7-Jul-2023	39.7	30.4	0.00	60	45	Sunny
8-Jul-2023	39.4	30.6	0.00	62	44	Sunny
9-Jul-2023	40.1	29.7	60.00	66	45	Rainy
10-Jul-2023	35.5	29.4	9.00	72	52	Rainy
11-Jul-2023	31.4	27.4	0.00	80	60	Cloudy
12-Jul-2023	33.6	28.4	0.00	77	59	Sunny
13-Jul-2023	35.4	30.1	0.00	78	57	Sunny
14-Jul-2023	36.1	29.7	0.00	66	59	Sunny
15-Jul-2023	36.7	29.2	0.00	67	55	Sunny
16-Jul-2023	37.4	30.6	0.00	69	53	Sunny
17-Jul-2023	37.7	30.2	0.00	72	56	Sunny
18-Jul-2023	38.3	29.7	0.00	66	59	Sunny
19-Jul-2023	37.7	30.8	0.00	60	61	Sunny
20-Jul-2023	38.3	30.6	0.00	62	51	Sunny
21-Jul-2023	38.7	30.4	0.00	63	50	Sunny
22-Jul-2023	39.4	30.5	0.00	69	57	Sunny
23-Jul-2023	38.4	31.2	14.00	60	52	Rainy
24-Jul-2023	36.4	28.3	0.00	74	59	Cloudy
25-Jul-2023	37.3	26.7	0.00	79	57	Cloudy
26-Jul-2023	36.1	28.5	0.00	74	63	Cloudy
27-Jul-2023	37.2	28.7	3.00	71	57	Rainy
28-Jul-2023	38.4	29.6	0.00	69	56	Sunny
29-Jul-2023	37.6	30.4	0.00	67	49	Sunny
30-Jul-2023	38.1	31.6	0.00	60	51	Sunny
31-Jul-2023	38.4	31.5	0.00	61	59	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 Ch. 92+000

9. Support required from NHAI

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.

7. Principle approval from the competent authority for the recommended additional scope of work by IE under Positive Change of Scope.

10. Important Events

Table 10.1. Details of Important Events

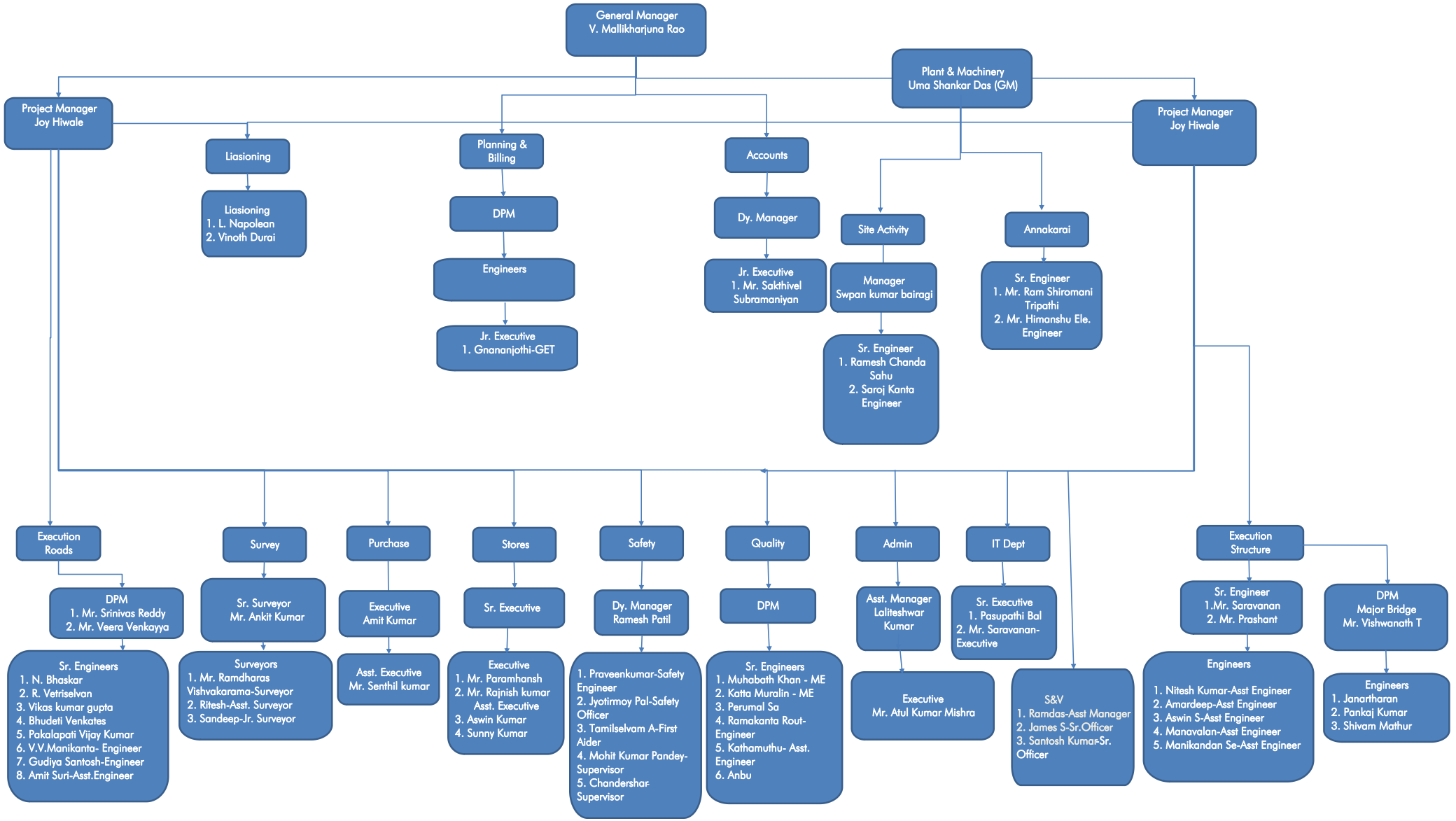
Sl. No	Date of Events	Description of Events	Remarks

11. Organization Chart

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

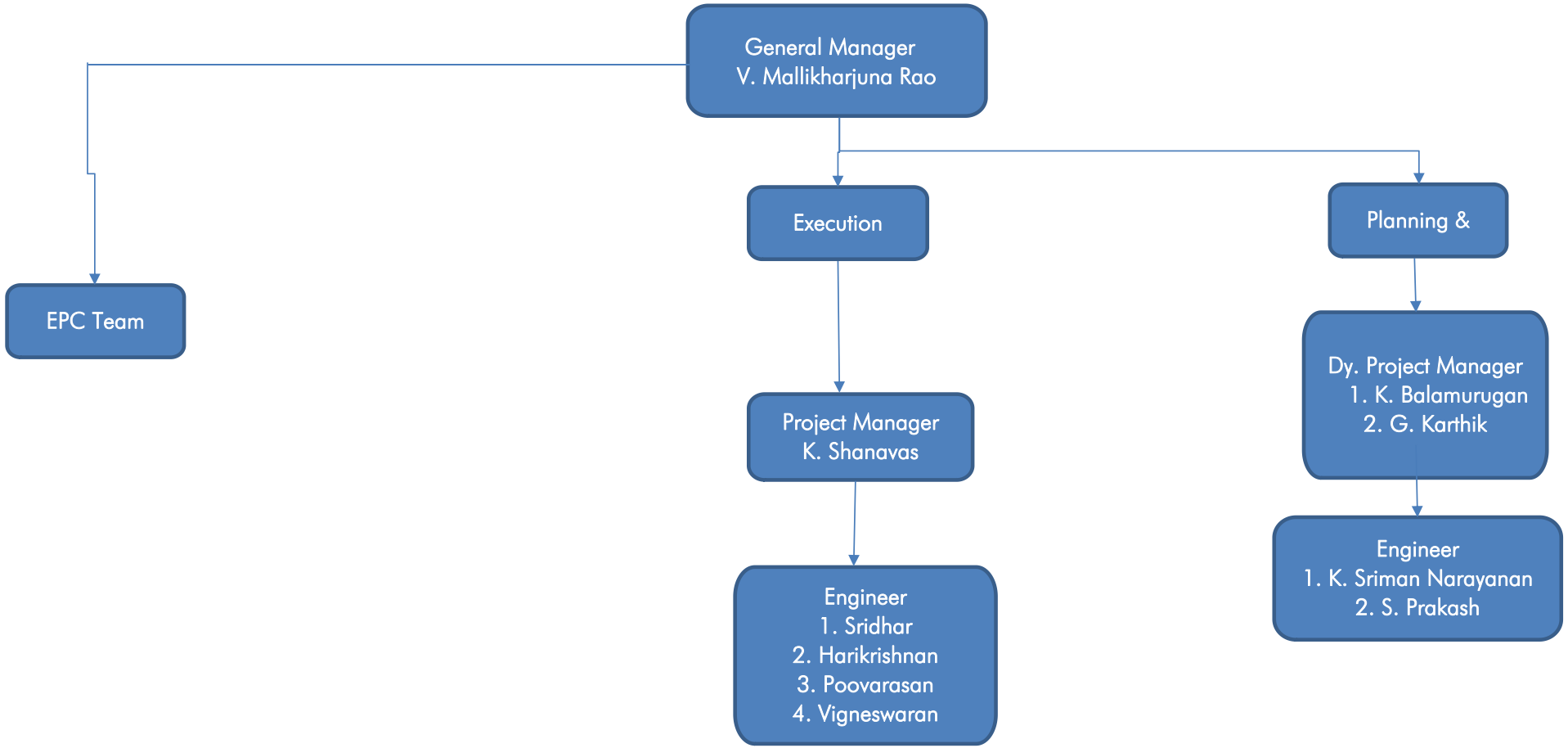


Table 12.1 Mobilization of Manpower

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	

13. List of Plants, Machinery and Equipment's

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 held between the parties in the particular month:-

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	04.07.2023	PSCHPL-HO-SCP-PIU-026-2023	Submission Audited Financial Report for FY 2021-22	
2	08.07.2023	PSCHPL/SCP/NHAI/2023/1591	Permission required for operating Borrow area during nighttime at Ariyalurr district	
3	11.07.2023	PSCHPL/SCP/NHAI/2023/1596	Work hampered at Km. 77+420 & Public demand for construction at grade junction	
4	12.07.2023	PSCHPL/SCP/NHAI/2023/1599	Recording of Drone video for the month of June 2023- Reg	
5	12.07.2023	PSCHPL/SCP/NHAI/2023/1600	Submission of RA Bill-06 for Recording of Drone video-reg	
6	18.07.2023	PSCHPL/SCP/NHAI/2023/1613	Borrow area permissiom yet to receive-Authoritys intervention requested-reg	
7	19.07.2023	PSCHPL/SCP/NHAI/2023/1616	Construction work hindered due to local public objection and continuos theft incident	
8	22.07.2023	PSCHPL-HO-SCP-PIU-029-2023	Reimbursement of expenditure of safety requirements as per Cl 18.1.2 & 18.2 of CA	
9	26.07.2023	PSCHPL/SCP/NHAI/2023/1637	Request to release withheld GST amount-reg	
10	26.07.2023	PSCHPL-HO-SCP-PIU-030-2023	Submission of Extension of Bank Guarantee	

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	03.07.2023	NHAI/F&A/IA/45/2016-17/RFEfor PIU/4/197679	LOA Ms Chatruvedi & Co., Patel-3 GST auditor	
2	05.07.2023	NHAI/PIU/Thanj/11025/11/2018/1872	75% of 3rd annuity payment intimation	
3	05.07.2023	NHAI/PIU/Thanjavur/11025/11/2018/1875	PMS 04 and IPC-01 of PMS-05-Approval requested	
4	05.07.2023	NHAI/PIU/Thanjavur/11025/11/2018/1876	1st installment of 2nd O&M payment-Req for approval	
5	05.07.2023	NHAI/PIU/Thanj/F&A unit/11013/15/2020/1877	Releasing of 3rd annuity balance payment	
6	06.07.2023	NHAI/11013/03/2017/RO Madurai/1119	Height concern at new bridge	
7	06.07.2023	NHAI/PIU/Thanj/11025/03/2018/1890	Representation received from Nangudi & Nandeeswaramangalam villagers for deletion of VUP	
8	06.07.2023	NHAI/PIU/Thanj/11021/112/CWSS-67/2022/1886	CWSS Issuance of NOC-signing of agreement	
9	06.07.2023	NHAI/PIU/Thanj/11021/112/CWSS-134/2022/1895	CWSS Issuance of NOC-signing of ageement	
10	07.07.2023	NHAI/PIU/Thanj/11025/03/2018/1906	Request to speed up work of bridge in nangudi village	
11	07.07.2023	NHAI/PIU/Thanj/11025/03/2018/1912	Drainage facilities at thazhuthazhaimedu village-requested-reg	
12	10.07.2023	NHAI/PIU/Thanj/11025/17/2018/1941	Supply of fly ash from TPPs-Requested	
13	10.07.2023	NHAI/PIU/Thanj/11019/03/2008/1944	Restoration of tank requested- Reg	
14	12.07.2023	NHAI/PIU/Thanj/TDS/16-A/2022-23/Q4/1978	Form 16A-forwarding	
15	13.07.2023	NHAI/14013/49/2023/RO Madurai/1159	Daily reports on the problem arising from heavy rains	
16	13.07.2023	NHAI/PIU/Thanj/11025/09/2018/2007	Shifting of water supply utilities	
17	13.07.2023	NHAI/SRD&Q/Flyash/Part file-2/353	Issue related to supply of flyash in NHAI projects	
18	19.07.2023	NHAI/PIU/Thanjavur/11025/33/2020/2056	Veeramundiyanatham village-Hydraulic particulars-requested	
19	19.07.2023	NHAI/14013/50/2023/RO Madurai/1201	Minutes of meeting dated 21.06.2023	
20	22.07.2023	NHAI/14013/38/2021/RO Madurai/1248	Supply of flyash-pond ash requested	
21	24.07.2023	NHAI/PIU/Thanj/11025/03/2018/2090	Petition received from AE, WRD-Report requested	
22	25.07.2023	NHAI/PIU/Thanj/11025/08/2015/2098	Shifting of HT line & towers at Km. 73+470 in SE (O) vilupuram	
23	26.07.2023	NHAI/RO-Madurai/BG/1305	Extension of bank guarantee	
24	27.07.2023	NHAI/PIU/Thanjavur/11021/117/NH-45C/2009/2082	Underground OFC cable Remarks called for	
25	27.07.2023	NHAI/PIU/Thanj/11021/112/CWSS-667/2022/2134	Jal jeevan mission- Issuance of NOC	
26	26.07.2023	NHAI/PIU/Thanj/11021/31/2009/2122	Underground OFC cable Remarks called for	
27	28.07.2023	NHAI/PIU/Thanj/11025/25/2018/2149	Construction work hindered due to theft- Police protection requested- Reg	
28	31.07.2023	NHAI/PIU/Thanj/11025/03/2018/2176	Panchayat president Pudaiyur representtaion- Request to provide underpass and widening of road at Cholatharam.	
29	31.07.2023	NHAI/PIU/Thanj/11017/02/2009/2173	UTM petition- reg	
30	31.07.2023	NHAI/PIU/Thanj/11025/11/2018/2162	PMS-04 and IPC-01 of PMS-05- Payment intimation	

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	06.07.2023	PSCHPL/SCP/IE/2023/1585	Submission of MPR for June 2023	
2	07.07.2023	PSCHPL/SCP/IE/2023/1587	Submission of test report for fly ash Ex. No-22	
3	08.07.2023	PSCHPL/SCP/IE/2023/1590	Revised P&P by matching FRL at Km. 65+960 with Pkg-1	
4	12.07.2023	PSCHPL/SCP/IE/2023/1601	Submission of IPC-02 of PMS-05	
5	14.07.2023	PSCHPL/SCP/IE/2023/1606	Submission of D&D of Box culvert located at Km. 106+905	
6	14.07.2023	PSCHPL/SCP/IE/2023/1607	Submission of D&D of MNB at Km. 73+040	
7	14.07.2023	PSCHPL/SCP/IE/2023/1605	Submission of compliance for F&A RO Madurai on PMS 04 & IPC 01 of PMS05	
8	14.07.2023	PSCHPL/SCP/IE/2023/1606	Submission of D&D of Box culvert located at Km. 106+905	
9	14.07.2023	PSCHPL/SCP/IE/2023/1607	Submission of D&D of MNB at Km. 73+040	
10	19.07.2023	PSCHPL/SCP/IE/2023/1619	Soil test report for the propsed BA No-16 Ex-09	
11	20.07.2023	PSCHPL/SCP/IE/2023/1622	Resubmission of IPC-02 of PMS-05	
12	26.07.2023	PSCHPL/SCP/IE/2023/1630	Compliance report-IE comments on concessionaire MPR June 2023	
13	26.07.2023	PSCHPL/SCP/IE/2023/1631	Compliance report-IE comments on concessionaire MSR June 2023	
14	26.07.2023	PSCHPL/SCP/IE/2023/1632	Submission of revised drawings of COS Box culvert at Ch. 106+905	
15	26.07.2023	PSCHPL/SCP/IE/2023/1633	Submission of revised P&P for Km. 71+000 to 74+000	
16	26.07.2023	PSCHPL/SCP/IE/2023/1634	Submision of D&D of COS PUP at Ch. 106+890	
17	26.07.2023	PSCHPL/SCP/IE/2023/1635	Submission of revised P&P from Km. 106+000 to 107+000	
18	26.07.2023	PSCHPL/SCP/IE/2023/1636	Submission of revised P&P from Km. 65.960 to Km. 67.000-Matching FRL-incorporating COS structure	
19	28.07.2023	PSCHPL/SCP/IE/2023/1641	Submission of D&D of MNB proposed at Km. 72+250 under COS	

TABLE 14.4 - CORRESPONDANCE - INDEPENDENT ENGINEER TO CONCESSIONAIRE / NHAI

Sr. No.	Date	Letter No	Subject	Remarks
1	04.07.2023	TES/IE/SCP/NHAI/2023/614	1st installment of 2nd O&M payment-Recommendation of IE	
2	05.07.2023	TES/IE/SCP/NHAI/2023/615	Shifting of Water Supply Utilities (RA Bill No.14)– reg.	
3	06.07.2023	TES/IE/SCP/NHAI/2023/616	IE MPR for June 2023	
4	06.07.2023	TES/IE/SCP/PIL/2023/915	IE_Soil test report for the proposed BA-44 Ex.No-01	
5	07.07.2023	TES/IE/SCP/PIL/2023/916	Conformance of inspection report of strip seal expansion joint	
6	07.07.2023	TES/IE/SCP/PIL/2023/917	Conformance of inspection report of spherical bearing	
7	13.07.2023	TES/IE/SCP/NHAI/2023/620	Damages caused to the river bund-Estimate for restoration works	
8	13.07.2023	TES/IE/SCP/PIL/2023/919	Matching of FRL at CH 65+960 Revising Plan & Profile-reg.	
9	13.07.2023	TES/IE/SCP/PIL/2023/920	IE Review and comments on concessionaire MPR for the month of June-2023	
10	13.07.2023	TES/IE/SCP/PIL/2023/921	Minutes of Meeting dated 07.07.2023-reg	
11	13.07.2023	TES/IE/SCP/PIL/2023/922	Review and comments of IE on concessionaire MSR(O&M)month of June- 2023-reg	
12	14.07.2023	TES/IE/SCP/NHAI/2023/621	Public demand at veeramundiyanatham village-reg	
13	14.07.2023	TES/IE/SCP/NHAI/2023/622	Public demand at Thiruvaipadi Village-reg	
14	15.07.2023	TES/IE/SCP/NHAI/2023/624	IE Compliance for the F&A RO madurai queries on PMS 04 & IPC 01 of PMS 05	
15	17.07.2023	TES/IE/SCP/PIL/2023/925	Site review meeting	
16	17.07.2023	TES/IE/SCP/PIL/2023/926	Monthly site inspection-reg	
17	18.07.2023	TES/IE/SCP/NHAI/2023/625	Public demand for drainage facilities at thaluthalaimedu village-IE comments-reg	
18	18.07.2023	TES/IE/SCP/PIL/2023/927	Submission of revised D & D of RE wall of VUP located at Ch-101+910-reg	
19	18.07.2023	TES/IE/SCP/PIL/2023/928	Submission of Revised Design & Drawings of Reinforced Earth wall of GSI located at CH-98+950	
20	20.07.2023	TES/IE/SCP/NHAI/2023/626	Kumarakudi village – Excavation of soil from tank – Damages and restoration - IE comments	
21	20.07.2023	TES/IE/SCP/PIL/2023/930	Drainage system adequacy of drain work – Consent requested	
22	25.07.2023	TES/IE/SCP/NHAI/2023/629	Submission of IPC 02 of PMS 05 - Recommendation for Payment	
23	27.07.2023	TES/IE/SCP/NHAI/2023/630	Public demand at veeramundiyatham-Report on public agitation	
24	27.07.2023	TES/IE/SCP/NHAI/2023/631	Report on RTI Petition-reg	
25	27.07.2023	TES/IE/SCP/PIL/2023/932	Submission of flyash (Ext-22)-reg	
26	27.07.2023	TES/IE/SCP/PIL/2023/933	Proposal of Borrow area No-16 (Ex-09)	
27	27.07.2023	TES/IE/SCP/PIL/2023/934	Site inspection report-reg	
28	28.07.2023	TES/IE/SCP/NHAI/2023/633	IE O&M Monthly status report for the month of June 2023	
29	28.07.2023	TES/IE/SCP/NHAI/2023/634	IE Inspection report for the month of June 2023	

Sl. No	Description	Location	Side	Remarks
1.	RE Wall Embankment layer work in progress	101+800	LHS	Existing Road
2.	Subgrade layer work in progress	113+000	LHS	Bypass

Sl. No	Description	Location	Side	Remarks
3.	CTSB Layer work in progress	109+900	LHS	Existing Road

Sl. No	Description	Location	Side	Remarks
4.	WMM Layer work in progress	111+120	LSR	Existing Road
5.	WMM Layer work in progress	109+800	LHS	Existing Road

Sl. No	Description	Location	Side	Remarks
6.	DBM Layer work in progress	94+840	LSR	Existing Road
7.	BC Layer work in progress	109+800	LHS	Existing Road

Sl. No	Description	Location	Side	Remarks
8.	P.S.C. Girder Launching work in progress	73+317	RHS	Major Bridge
9.	Superstructure work in progress	73+317	RHS	Major Bridge

Sl. No	Description	Location	Side	Remarks
10.	Box Segment Launching work in progress between Span P17–P 16	107+400	RHS	Major Bridge