GOVERNMENT OF TAMIL NADU

HIGHWAYS AND MINOR PORTS DEPARTMENT

DEMAND NO. 21

PERFORMANCE BUDGET

2023-2024

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PERFORMANCE OF HIGHWAYS AND MINOR PORTS DEPARTMENT DURING 2023-2024

I.HIGHWAYS DEPARTMENT

1. INTRODUCTION

A sound road infrastructure apart from providing connectivity, triggers economic and all-round development of the state. Well maintained and safe roads result in reduced wear and tear of vehicles, low vehicle operating costs, lower consumption of fuel. Widening/improvements to roads, bridges across rivers, rails, roads etc., bypasses to towns/cities, ring roads, grade separators, are planned, designed and constructed by the State Highways Department under various schemes. Maintenance of the road and bridge infrastructure is carried out under Non-plan schemes.

The detailed physical and financial performance of the department during 2023-24 is furnished as follows;

1.1 ASSETS MAINTAINED BY HIGHWAYS DEPARTMENT

Highways Department maintains 74021 km length of roads, of which 6805 Km of roads are classified as National Highways (NH maintained by State wing 1677 kms + by NHAI 5128 km). The tabulations showing road classification, type of structures, road surface-wise and lane-wise details are provided in Table 1 through 4, as below;

TABLE 1: CLASSIFICATION OF ROADS

(Length in km)

SNo.	Classification of Road		Length
1	National Highways (NH)	State NH wing	1677
		NHAI	5128
		Total	**6805**
2	State Highways (SH)		12349
3	Major District Roads (MDR)		12034
4	Other District Roads (ODR)		42833
	Total length of roads other than NH		**67216**
	Overall Total		**74021**

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TABLE 2: TYPES OF BRIDGES AND THEIR NUMBERS

SNo.	Types of Bridges	Nos.
1	Culverts	133949
2	Major Bridges and Minor Bridges*	9183
3	Road Over Bridges at Railway level crossing (ROB)	150
4	Road Under Bridges at Railway level crossing (RUB)	70
5	Pedestrian Sub Ways / Limited Use Subways	15
6	Grade Separators	76
	Total	**143443**

* includes minor bridges with linear waterway of 6-60 m and major bridges with linear waterway of more than 60m.

TABLE 3: SURFACE-WISE LENGTH

(length in km)

Sl. No.	Category of Roads	Cement Concrete (C.C)	Black-Topped (B.T)	Total
1	National Highways	29	6776	6805
2	State Highways	40	12309	12349
3	Major District Roads	32	12002	12034
4	Other District Roads	110	42723	42833
Total		**211**	**73810**	**74021**

TABLE 4: LANE-WISE DETAILS OF ROADS

(Length in km)

Sl. No.	Classification of Road	Single lane	Inter mediate lane	Double lane	Two lane with paved shoulders	Four lane	Six lane	Eight lane	Total
	National Highways								
1	(a)State National Highways wing	–	–	331	899	447	–	–	1677

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Sl. No.	Classification of Road	Single lane	Inter mediate lane	Double lane	Two lane with paved shoulders	Four lane	Six lane	Eight lane	Total
	(b) National Highways Authority of India	–	–	951	1484	2288	384	21	5128
	Sub-Total	–	–	**1282**	**2383**	**2735**	**384**	**21**	**6805**
	Percentage of lane-wise width of roads	–	–	18.84%	35.02%	40.19%	5.64%	0.31%	
2	**State Highways**	**37**	**315**	**6810**	**3124**	**1804**	**259**	**-**	**12349**
	Percentage of lane-wise width of roads	0.30%	2.55%	55.15%	25.30%	14.61%	2.10%	-	
3	**Major District Roads**	**679**	**4880**	**5939**	**452**	**76**	**8**	**-**	**12034**
	Percentage of lane-wise width of roads	5.64%	40.55%	49.35%	3.76%	0.63%	0.07%	-	
4	**Other District Roads**	**33541**	**7606**	**1569**	**96**	**17**	**4**	**-**	**42833**
	Percentage of lane-wise width of roads	78.31%	17.76%	3.66%	0.22%	0.04%	0.01%	-	
	Total	**34257**	**12801**	**15600**	**6055**	**4632**	**655**	**21**	**74021**
	Percentage of lane width to the total length of roads	**46.28%**	**17.29%**	**21.08%**	**8.18%**	**6.26 %**	**0.88%**	**0.03%**	

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1.2 PERFORMANCE UNDER PLAN SCHEMES

1.2.1 FINANCIAL PERFORMANCE

The financial performance under the plan schemes for the year 2023-24 and Budget Estimate for the year 2024-25 are given in **Table 5.**

TABLE 5: FINANCIAL PERFORMANCE

(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
	Construction and Maintenance			
	State Highways			
1	Bridges (Original works)-JA	674.83	715.00	0.01
2	Roads (Land Acquisition)-JA	0.00	117.60	0.00
3	416 major works-JF	200.00	167.48	200.00
	Sub-Total	**874.83**	**1000.08**	**200.01**
	Major District Roads			
4	416 major works-JG	200.00	195.32	200.00
	Other District Roads			
5	416 major works-JH	200.00	193.60	200.00
	Rehabilitation of Distressed Bridges			
6	Rehabilitation of Distressed Bridges-JJ	411.72	341.97	0.01
7	416 major works-JB	200.00	181.59	200.00
	Sub-Total	**611.72**	**523.56**	**200.01**
	Comprehensive Road Infrastructure Development Programme			
8	CRIDP – SH-JI	315000.00	347484.49	415000.00
9	CRIDP – MDR-JT	125000.00	162600.00	129800.00

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
10	CRIDP – ODR-JU	160000.00	206078.97	179200.00
11	CRIDP – SCP-JC	15000.00	22986.17	15000.00
	Sub-Total	**615000.00**	**739149.63**	**739000.00**
12	CRIDP IRQP-KF	35000.00	46983.29	31000.00
13	CRIDP-PBMC-JN	85597.00	60643.70	59752.00
14	Acquisition of lands for bypasses- lands -JK	6426.43	9568.56	5773.21
15	Acquisition of lands for bypasses-KC			
	(a) works	10404.27	8608.20	3475.04
	(b) lands	6071.92	2098.34	1612.22
	Sub- total	**16476.19**	**10706.54**	**5087.26**
16	Construction of Buildings-KT	42.66	2.09	0.01
17	Schemes implemented under State Infrastructure and Amenities fund - Controlled by Chief Engineer (Construction and Maintenance) Highways-KB	0.01	255.13	0.00
18	Special Project for attending Road Safety-KO	5000.00	1759.01	415.20

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
19	City Traffic Improvement Works-JD	20000.00	6047.18	25000.00
20	High Density Corridor-JE	34.75	0.00	0.02
21	Construction of flyover at Salem junction-Yercaud Road-JF	0.01	0.00	0.01
22	Widening and Improving the road to Industries-KH	3085.95	0.00	1557.57
23	Permanent Flood Restoration works-KI	4500.00	1950.43	3703.79
24	Widening from Intermediate Lane to four lane and Strengthening of Puduvoyal-Pulicat road with JICA Assistance -TNIPP Phase 2-PB	0.01	538.14	743.29
25	Improvement to Chennai Radial Roads -JP	0.01	0.00	0.01
26	District Roads and other Roads- JC	0.00	11.10	0.00
	C & M Total	**793049.57**	**879527.36**	**872832.39**
27	Improvement of vital roads in developing industrial areas through Tamil Nadu Road Infrastructure Development Corporation-JJ			
	(a) Works	4312.85	0.00	0.01
	(b) Lands	1.00	0.00	0.01
	Sub- total	**4313.85**	**0.00**	**0.02**

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
28	Widening to four lane of Madurai Ring Road through TNRIDC-JM			
	(i) works	0.01	0.00	0.01
	(ii) lands	2000.01	0.00	2000.00
	Sub- total	**2000.02**	**0.00**	**2000.01**
	TNRIDC Total	**6313.87**	**0.00**	**2000.03**
29	Chennai Outer Ring Road (Phase-I)-JK			
	(a) Works	12672.92	19911.84	14822.46
	(b) Lands	0.01	0.00	0.01
	Sub-Total	**12672.93**	**19911.84**	**14822.47**
30	Chennai Outer Ring Road (Phase-II)-KI			
	(a) Works	24326.65	28101.79	28566.32
	(b) Lands	0.01	0.00	0.01
	Sub-Total	**24326.66**	**28101.79**	**28566.33**
31	Bye-pass to Kelambakkkam and Thiruporur in Rajiv Gandhi Salai with JICA ASSISTANCE - TNIPP Phase 2-PA	7103.01	7103.00	0.01
32	Upgradation of IT highway in Chennai City-JX			
	(a) Works	0.01	6625.00	40074.52
	(b) Lands	0.00	12656.18	0.00

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
	Sub-Total	**0.01**	**19281.18**	**40074.52**
	TNRDC -Total	**44102.61**	**74397.81**	**83463.33**
33	Development of Northern Port Access Road Project – KN			
	(a) Works	0.00	0.00	0.00
	(b) Lands	0.01	0.00	0.01
	Sub-Total	**0.01**	**0.00**	**0.01**
34	Acquisition of Land for formation of CPRR section II & III-PC-Lands-KL	15057.50	11313.67	13000.00
35	Acquisition of Land for formation of CPRR section V Lands -KM	17400.00	13148.50	22300.00
36	Project for the Construction of Chennai Peripheral Ring Road (CPRR) Section I with Japan International Co-operation Agency JICA assistance-PD	70000.00	182.52	90000.00
37	Project for the formation of CPRR section II & III with AIIB and OPEC fund for International Development assistance (OFID) - PC	82269.00	41729.00	101402.00
	CPRR Total	**184726.51**	**66373.69**	**226702.01**

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
38	Asian Development Bank assistance Chennai – Kanyakumari Industrial Corridor project-PB			
	Works	150000.00	176649.98	90784.87
	Lands	0.01	0.00	0.01
	CKICP-Total	**150000.01**	**176649.98**	**90784.88**
	Plan – Total	**1178192.57**	**1196948.84**	**1275782.64**
	NABARD and Rural Roads Wing			
39	Construction/Reconstruction of Bridges with loan assistance from NABARD -JZ	60056.49	50137.87	75436.71
40	Improvements to Rural Roads with loan assistance from NABARD -JI	0.01	7.28	0.01
41	Construction / Re-construction of Bridges under State Fund -KJ	469.85	417.61	2.70
42	Construction of bridges under Tsunami Emergency Assistance Project (TEAP) with loan assistance from Asian Development Bank – Highways-RN	1.05	1.05	1.05
43	By-pass works -KA	4760.74	1944.70	2680.79
44	Upgradation of Panchayat Union Roads / Panchayat Roads -KD	170779.00	182359.41	160000.00
	Total	**236067.14**	**234867.92**	**238121.26**

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
	Projects Wing			
45	Construction of over and under bridges in lieu of existing level crossings-JJ	18379.74	12259.63	21993.25
46	Construction of ROB in Chennai Metro Area for Traffic Management-JD	0.02	0.00	0.01
47	Construction / Reconstruction of bridges-JE	3947.59	6497.27	534.03
48	Construction/ Reconstruction of bridges and improvement of roads with loan assistance from NABARD-JQ	81.22	0.00	0.64
49	Provision for road works-JN	6781.54	6777.50	4997.75
50	Construction of Railway Over Bridge/Railway Under Bridges-JT	32603.45	23800.72	22039.59
51	Construction of over and under bridges in lieu of existing level crossings-JG	25566.27	9633.94	30104.37
52	Construction of Bridges with loan assistance from HUDCO (Land acquisition payment) – JB	0.00	166.71	31.93
53	Comprehensive Road Infrastructure Development Programme (CRIDP) - Formation of Bypasses –JO	7831.68	735.74	6779.67

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
54	Construction/ Reconstruction of Elevated Highways –JJ	50000.00	49523.00	50065.25
55	Inner Ring Road -JN	0.00	20959.98	0.00
	Total	**145191.51**	**130354.49**	**136546.49**
	Metro Wing			
56	Chennai Metropolitan Development Plan -Traffic and Transport Improvement in Chennai - JW	18746.55	36730.63	25530.59
57	Works executed by Chief Engineer(H), Metro, Highways from State Infrastructure and Amenities fund For works - KJ	1407.74	256.54	126.47
58	Chennai Metropolitan Development Plan – Traffic and Transport Improvement in Chennai City -JH	350.02	227.34	1108.66
59	Construction of Bridges and Roads under Chennai City Traffic Decongestion Projects (CCTDP) – JI	29636.35	3313.98	13282.30
	Total	**50140.66**	**40528.49**	**40048.02**
	National Highways			
60	Construction of Elevated road from Chennai Port to Maduravoyal	0.00	3634.20	3634.20

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(Rs.in lakh)

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure upto 31.03.2024	Budget Estimate 2024-25
61	Original Works-Lands	0.02	603.89	0.02
62	Revamped Central Road Fund - SA	25000.00	2151.00	20800.00
63	Bharat Nirman Scheme (Maintenance borne by State Government) - JS	0.01	0.00	0.01
	Total	**25000.03**	**6389.09**	**24434.23**
	Tamil Nadu Road Sector Project (TNRSP)			
64	TNRSP-Phase II-PC	64500.00	53287.96	27592.01
65	TNRSP-Phase I-PB	0.00	78.07	0.00
66	TNRSP-Phase I-PB	0.00	33.21	0.00
	Total	**64500.00**	**53399.24**	**27592.01**
	Overall Total	**1699091.91**	**1662488.07**	**1742524.65**

1.2.2 PHYSICAL PERFORMANCE

The physical achievements under the plan schemes for the year 2023-24 and targets for the year 2024-25 are given in **Table 6.**

TABLE 6: PHYSICAL PERFORMANCE

(Bridges/Culverts in nos., Length in km)

Sl. No.	Name of Scheme	Achievements (2023-24)		Targets (2024-25)	
		Bridges/ Culvertsin nos.	Roads length in km	Bridges/ Culverts in nos.	Roads length in km
	Construction and Maintenance Wing				
1	Comprehensive Road Infrastructure Development Programme				

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Sl. No.	Name of Scheme	Achievements (2023-24)		Targets (2024-25)	
		Bridges/ Culvertsin nos.	Roads length in km	Bridges/ Culverts in nos.	Roads length in km
	State Highways	61	723	58	625
	Major District Roads	82	934	88	650
	Other District Roads	354	1516	380	1200
	Other District Roads (Special Component Plan)	1	289	9	250
	Sub-Total	**498**	**3462**	**535**	**2725**
	IRQP	-	1700	-	2000
	Total-Roads/ Bridges	**498**	**5162**	**535**	**4725**
	NABARD and Rural Roads Wing				
2	Construction / Reconstruction of Bridges with loan assistance from NABARD-JZ	128	-	80	-
3	Construction / Re-construction of Bridges under State Fund-KJ	1	-	1	-
4	Upgradation of Panchayat Union Roads / Panchayat Roads **-**KD	-	1735	-	1168
5	Railway Works Programme	3	-	3	-
	Total	**132**	**1735**	**84**	**1168**
	Projects Wing				
6	Road over/ under bridges in lieu of existing Level Crossings –JJ	3	-	7	-
7	Construction of Over Bridges/ Under Bridges in lieu of level crossings –JT	-	-	4	-

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Sl. No.	Name of Scheme	Achievements (2023-24)		Targets (2024-25)	
		Bridges/ Culvertsin nos.	Roads length in km	Bridges/ Culverts in nos.	Roads length in km
8	Construction / Reconstruction of bridges JE	3	-	1	-
9	Construction of over and under bridges in lieu of existing level crossings - JG	3	-	2	-
10	Provision for Road Works-JN	-	-	-	1.20
11	Construction/Reconstruction of elevated Highways-JJ(N)	-	-	1	-
12	Comprehensive Road Infrastructure Development Programme(CRIDP)				
(a)	State Highways (JI – CRIDP)	2	8.40	4	10.31
(b)	Major District Roads (JT - CRIDP)	4	-	2	-
(c)	Other District Roads (JU - CRIDP)	9	-	3	-
	Total	**24**	**8.40**	**24**	**11.51**
12	**Metro Wing**				
(a)	ROB/RUBs	1*	-	3	-
(b)	Grade Separators	-	-	1	-
(c)	River Bridges	1	-	1	-
(d)	Foot over bridges with Escalators	1	-	2	-
(e)	Roads	-	-	-	11.315
	Total	**3**	**-**	**7**	**11.315**
*** Srinivasa Raghavan Street arm in LC No.32 – Perungalathur ROB**					

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Sl. No.	Name of Scheme	Achievements (2023-24)		Targets (2024-25)	
		Bridges/ Culvertsin nos.	Roads length in km	Bridges/ Culverts in nos.	Roads length in km
	National Highways Wing				
13	Revamped Central Road Fund Scheme	-	-	-	25.41
	Total	**-**	**-**	**-**	**25.41**
	Chennai Kanyakumari Industrial Corridor Project				
14	Chennai Kanyakumari Industrial Corridor Project	400	220	259	89
	Total	**400**	**220**	**259**	**89**

1.3 PERFORMANCE UNDER NON-PLAN SCHEMES

An allocation of Rs.807.40 Cr was made for maintenance of roads and bridges and renewal of 4853.00 km length of roads has been completed.

1.3.1 FINANCIAL PERFORMANCE

The financial performance indicating the details of expenditure incurred during 2023-24 under various heads of Maintenance /Renewal and allocation for 2024-25 is given in **Table 7.**

TABLE 7: NON PLAN-FINANCIAL ALLOCATION AND EXPENDITURE

Rs.in lakh

Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure Up to 31.03.2024	Budget Estimate 2024-25
1	National Highways Urban	296.04	290.65	310.84
2	Maintenance of Certain important Roads in the City of Chennai	2625.00	2797.07	2940.00
3	State Highways	14827.63	16070.12	16932.79
4	Major District Roads	13326.09	13342.72	14096.18

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Sl. No.	Name of Scheme	Budget Estimate 2023-24	Expenditure Up to 31.03.2024	Budget Estimate 2024-25
5	Other District Roads	47465.43	47440.63	50449.70
6	Sugarcane Roads	2100.00	2058.53	2205.00
7	Improvements to Nilgiris Ghat Roads	100.00	100.00	105.00
	Total	**80740.19**	**82099.72**	**87039.51**

1.3.2 PHYSICAL PERFORMANCE

The length of roads renewed under Maintenance / Renewal during 2023-24 and the target for 2024-25 is given in**Table-8.**

TABLE 8: PHYSICAL PERFORMANCE OF NON PLAN SCHEMES

Length in km

S. No.	Name of wing	Achievement 2023-24	Target 2024-25
1.	Construction and Maintenance	4853	5100

2. OVERALL PERFORMANCE UNDER MAJOR SCHEMES/ PROJECTS

An amount of Rs.16990.92 Cr was provided in the Budget Estimate for Highways Department for the year 2023-24, and the expenditure incurred up to 31.03.2024 under Plan Schemes is Rs.16624.88 Cr.

2.1 STATE FUNDED SCHEMES/PROJECTS

2.1.1 COMPREHENSIVE ROAD INFRASTRUCTURE DEVELOPMENT PROGRAMME (CRIDP)

Comprehensive Road Infrastructure Development Programme (CRIDP) is a flag-ship programme under which road capacity augmentation is under taken. Surface improvement of roads taken-up under this scheme helps in reducing wear and tear of vehicles ending in low Vehicle Operating Costs (VOC) and enhancing safety and comfort to the road users. Widening caters

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the need of increased traffic demand, whereas strengthening increases pavement's longevity. In the last three years, widening / improvements of 7966.11 Km length of roads and construction of 1841 bridges / culverts at a cost of Rs.14980.65 Cr and Improvements to Riding Quality Programme (IRQP) to a length of 5715.62 Km at a cost of Rs.1678.07 Cr have been completed.

2.1.1.1 Chief Minister Road Development Program (CMRDP)

CMRDP was announced in the Budget session 2021-22, with emphasis **on Upgrading 2200 Km of two-lane roads into four lane and 6700 Km of Single-lane and intermediate-lane roads into double-lane roads in the next 10 years.** The candidate roads are selected and prioritized based on traffic intensity. For the past 3 years, under this flag-ship programme, 576.94 km length of roads have been taken-up for conversion to four-lane at a cost of Rs.4984.22 Cr and conversion to two-lane at the cost of Rs.2464.82 Cr covering 1709.98 km has been taken-up. Of which, 215.47 km of four-laning and 1406.74 km of double laning have been completed.

2.1.1.2 CRIDP – STATE HIGHWAYS

In the year 2023-24, administrative sanction has been accorded for widening, strengthening and improvements of 547.12 km length of roads and construction of 8 bridges / culverts at a cost of Rs.2671.48 Crore.

Some of the major works taken-up are as follows;

1. In Tiruppur District, widening from Two lane to Four lane and improvements at km 24/8 - 29/4 of Palladam - Dharapuram road (SH174A) at a cost of Rs.43.08 Cr.

2. In Coimbatore District, widening from Two Lane to Four Lane and strengthening of Avinashi - Tiruppur - Palladam - Pollachi - Cochin (via) Meenkarai Road at km 92/750 - 98/2 at a cost of Rs.42.00 Cr

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3. In Pudukottai District, widening from Two Lane to Four Lane and strengthening at km 52/0 - 52/4 & 52/6 - 57/0 of Trichy - Pudukkottai - Aranthangi - Mimisal Road (SH26) at a cost of Rs.44.00 Cr.

4. In Karur District, widening from Two lane to Four lane and improvements at km 46/8 - 47/2 and 53/0 - 54/2 of Erode - Karur Road (SH84) at a cost of Rs.10.50 Cr.

5. In Madurai District, widening from Multi-lane to Four Lane with Paved Shoulder and strengthening in Km 7/6 - 8/8 of Madurai - Thoothukudi Road (SH32) at a cost of Rs.12.00 Cr.

In addition, spill-over works of widening/ improvements to 720.62 km length of roads and construction of 61 bridges / culverts at a cost of Rs.4610.17 Cr were taken-up for execution. Widening / improvements of 723.49 km length of roads and construction of 61 bridges / culverts have been completed at a cost of Rs.3311.63 Cr in the year 2023-24.

2.1.1.3 CRIDP –MAJOR DISTRICT ROADS

In the year 2023-24, administrative sanction has been accorded for widening, strengthening and improvements to 546.15 km length of roads and construction of 34 bridges/ culverts at a cost of Rs.990.12 Crore. Some of the works taken-up are as follows;

1. In Chengalpattu District, widening from Two Lane to Two Lane with Paved Shoulders and strengthening at km 7/8 - 9/6 and 14/0 - 15/4 of Mudukarai - Kadalore Road at a cost of Rs.6.90 Cr.

2. In Vellore District, widening from Two Lane with Paved Shoulders to Four Lane and strengthening at km 0/0 - 1/9 of Gandhi Nagar Main Road at a cost of Rs.6.62 Cr.

3. In Tirupattur District, widening from Intermediate Lane to Two Lane and strengthening at km 5/2 - 6/8 and 7/0 - 10/2 of

Nayanacheruvu - Andhra Pradesh Border Road at a cost of Rs.5.50 Cr.

4. In Villupuram District, strengthening at km 0/0 - 3/0 of Chunampet road at a cost of Rs.2.50 Cr.

5. In Perambalur District, widening from Intermediate Lane to Two Lane and strengthening at km 34/0 - 36/0 of Sendurai - Anganur - Agaram - Seegore - Thirumandurai road at a cost of Rs.3.40 Cr.

Widening/improvements to 705.44 km length of roads and construction of 73 bridges/culverts at a cost of Rs.1550.00 Cr as spill over works were also taken-up. Widening / improvements to 934.49 km length of roads and construction of 82 bridges/culverts have been completed at an expenditure of Rs.1577.34 Cr in the year 2023-24.

2.1.1.4 CRIDP –OTHER DISTRICT ROADS

In the year 2023-24, administrative sanction has been accorded for widening and improvements to 849.02 km length of roads and construction of 168 bridges/ culverts at a cost of Rs.1433.88 Cr. Some of the works taken-up are as follows:

1. In Kancheepuram District, widening from Single Lane to Intermediate Lane and strengthening at km 2/0 - 3/4 of Arasanimangalam Road at a cost of Rs.6.85 Cr.

2. In Ranipet District, widening from Single Lane to Intermediate Lane and strengthening at km 0/0 - 4/0 of Peruvalayam – Karnavur - Mahendravadi Road at a cost of Rs.5.25 Cr.

3. In Ariyalur District, widening from Single Lane to Intermediate Lane and strengthening at km 9/0 - 12/6 of Unjini - Variyankaval road at a cost of Rs.6.97 Cr.

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4. In Namakkal District, widening from Intermediate Lane to Two Lane and strengthening at km 0/0 - 2/8 of Molasi road at a cost of Rs.4.66 Cr.

5. In Erode District, widening from Single Lane to Intermediate Lane and strengthening at km 0/0 - 3/6, 5/0 - 6/0 of Palayam-Sothanpuram road at a cost of Rs.6.50 Cr.

6. **Road to Jallikattu Arangam:** Jallikattu is an age-old traditional game of the State, having glorious historic past. Hon'ble Chief Minister announced that a new Jallikattu stadium with world class facilities will be constructed at Alankanallur and an exhibition centre will also be set up near the stadium. Following this, the Hon'ble Minister for Highways and Minor Ports announced on 18.9.2022 that a two-lane road with hard shoulders will be constructed from Vadipatti-Tamaraipati road to the world-class complex, at a cost of Rs 21.70 Cr. Accordingly, widening of Kuttimeikipatti – Adhagaraipalam road (Other District Road) to Jallikattu Arangam from single lane to two lane with hard shoulder (10 meter width) for a length of 3.30 km including land acquisition of 8.10 ha for uniform width of 25 meter has been completed within record time of 4 months and inaugurated by Hon'ble Chief Minister on 24.01.2024.

Widening/ improvements to 1091.81 km length of roads and construction of 298 bridges / culverts were also taken up as spill-over works at a cost of Rs.2036.06 Cr. Widening / improvements to 1515.75 km length of roads and construction of 354 bridges / Culverts have been completed at an expenditure of Rs.2010.25 Cr in the year 2023-24.

2.1.1.5 CRIDP - OTHER DISTRICT ROADS – SPECIAL COMPONENT PLAN

In the year 2023-24, administrative sanction has been accorded for widening, strengthening and improvements to 221.74 km length of roads

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and construction of 10 bridges/ culverts at a cost of Rs.290.81 Cr. Some of the works taken-up are as follows;

1. In Salem District, widening from Single Lane to Intermediate Lane and strengthening at km 0/0 - 3/0 of Mamamji road at a cost of Rs.3.80 Cr.

2. In Nilgiris District, strengthening at km 0/0 - 1/4 of Kattery Yellanhalli road at a cost of Rs.2.50 Cr.

3. In Mayiladuthurai District, strengthening at km 2/6 - 3/8 of Enankudy - Pattavilagam Road at a cost of Rs.1.31 Cr.

4. In Theni District, widening from Intermediate Lane to Two Lane and strengthening at km 3/0 - 4/2 of Chinnamanur - A. Alagapuri road at a cost of Rs.2.20 Cr.

5. In Ramanathapuram District, widening from Single Lane to Intermediate Lane and strengthening at km 1/0 - 4/0 of Chathirakudi - Pooseri Road at a cost of Rs.4.50 Cr.

In addition, on-going spill over works of widening/ improvements extending to 153.87 km length of roads at a cost of Rs.175.98 Cr were also taken up. Widening /improvements of 289.41 km length of roads and 1 bridge/culvert have been completed at a cost of Rs 229.86 Cr in the year 2023-24.

2.1.1.6 CRIDP - Improvements to RIDING QUALITY PROGRAM (IRQP)

In the year 2023-24, Improvements to Riding Quality of 1046.45 km length of roads at a cost of Rs.406.14 Cr have been taken up. Spillover works for 747.22 Km length of roads at a cost of Rs.510.94 Cr were also taken up for completion. Road works to a length of 1699.77 km have been completed at an expenditure of Rs.469.83 Cr in the year 2023-24.

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2.1.1.7 Improvement of stretches in Urban areas

In the year 2023-24, 24 works for a length of 29.40 Km have been taken-up at a cost of Rs.104.62 Cr. In addition, works for a length of 83.68 km were in progress as spill-over at various stages. 175 works for a length of 131.59 km of roads at a cost of Rs.578.76 Cr have been completed in the last three years.

2.1.1.8 Flood Permanent Restoration Works

In the Year 2023-24, Under CRIDP Flood Permanent Restoration, 46 Works including 14,744 m drain work, 9 culverts and 1,28,266 m long silt catch pits have been taken-up at a cost of Rs.105.68 Cr. Of which, 14,329 m drain, 7 Culverts and 60,710 m long silt catch pits have been completed at an expenditure of Rs.68.05 Cr. Based on Dr. V. Thirupugahz Committee's recommendation, 13 works at the cost of Rs. 91.73 Cr were taken up and critical works from flood control perspective, within Chennai Metropolitan Area have been completed on priority.

2.1.1.9 Chief Minister's all season uninterrupted Connectivity Scheme

During the Budget Session 2021-22, **it was announced that "in lieu of existing Causeways, High level Bridges will be constructed by the year 2026"** under the "**Chief Minister all season uninterrupted connectivity scheme"**. During the year 2023-24, 272 causeways have been taken-up for conversion into HLBs under various schemes, at a cost of Rs. 758.82 Cr. In the past three financial years, 1,113 causeways were taken-up. So far, 795 causeways have been converted into High level bridges

2.1.1.10 Ungal Thoguthiyil Muthalamachar (UTM)

One of the stellar schemes announced by the Hon'ble Chief Minister, "Ungal Thoguthiyil Mudalamaichar" addresses major un-fulfilled demands from every constituency as recommended by people representatives.

Under this programme, 14 road works at a cost of Rs.113.48 Cr, 4 Bridge works for Rs.29.70 Cr, 1 Bypass (Namakkal Bypass) for Rs.194.00 Cr, 12 culverts & construction of storm water drains at 9 locations at the cost of Rs.73.48 Cr were taken-up. Of which, 7 road works and 1 culvert work were completed at a cost of Rs.23.05 Cr and other works are in progress.

2.1.2 CHENNAI METROPOLITAN DEVELOPMENT PLAN(CMDP)

Under the Chennai Metropolitan Development Plan (CMDP) Scheme, projects for improving Highway Infrastructure facilities are being taken up to ensure seamless and safe traffic and pedestrian movement within Chennai Metropolitan Area (CMA). In the past 3 years, the following works have been completed under the CMDP Scheme and opened to public use.

1. Four-Lane grade separator at Koyambedu at a cost of Rs.93.50 Cr on 01.11.2021.

2. Two-Lane Tambaram – Velachery arm in the grade separator work at Medavakkam at a cost of Rs.95.21 crore on 13.05.2022.

3. Two Level Grade Separator at Velachery - Vijayanagaram junction at a cost of Rs.145.49 crore on 01.11.2021 and 17.09.2022.

4. Foot Over Bridge with escalator to cross GST road and to connect the existing foot over bridge of Railways with ticket counter near Tambaram Railway station at a cost of Rs.6.29 crore on 26.04.2023.

5. High Level bridge across Buckingham canal at Thiruvottiyur near Manali Oil Refinery Plant at a cost of Rs.58.64 crore on 07.09.2023.

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A few projects taken up under the Chennai Metropolitan Development Plan (CMDP) Scheme are as follows:

2.1.2.1 Grade Separators/ Vehicular Under Passes

i. Two-lane grade separator from Sardar Patel Road to Rajiv Gandhi Salai (OMR) at Madhya Kailash junction at a cost of Rs.60.69 Cr is in progress.

ii. Four-Lane grade separator on Mount – Poonamallee - Avadi road from MIOT Hospital to Mugalivakkam at a cost of Rs.314.48 Cr and vehicular under pass at Madipakkam at a cost of Rs.45.50 Cr are being executed by Chennai Metro Rail Limited (CMRL) integrated with Metro Rail project, since, the alignment for the projects proposed by Metro wing synchronises with the alignment proposed for Chennai Metro Rail project.

iii. Construction of four-lane grade separator at Kattupakkam junction a portion of the work is being executed by Chennai Metro Rail Limited (CMRL) integrated with Metro Rail projects.

iv. Preparation of Detailed Project Reports for 6 works at a cost of Rs.3.70 Cr and Land Acquisition for 5 works at a cost of Rs.536.68 Cr are in progress for the construction of grade separators at i) Avadi Junction, ii) Kundrathur junction, iii) Kaiveli junction in Velachery-Tambaram road, iv) Korattur Junction, v) Vanagaram Junction, vi) Ambattur Estate Bus Depot (DPR Only).

2.1.2.2 High Level Bridges

i. High Level bridge (HLB) across Coovam river at Paruthipattu at a cost of Rs.18.37 Cr is nearing completion.

ii. Construction of HLBs viz., i) across Coovam river at Padikuppam - DPR and LA works are completed and the work is to be taken-up ii) across Coovam river at Nolambur, LA is in progress at a cost of Rs.87.77 Cr.

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iii. HLB across Rajakizhpakkam lake near Selaiyur; DPR and LA are in progress

2.1.2.3 Road Works

i. Widening and strengthening the existing four lane East Coast Road to a six lane carriageway for a length of 0.935 km in Kottivakkam Stretch at a cost of Rs.18.86 Cr, for a length of 1.15 kms in Palavakkam Stretch at a cost of Rs.17.43 Cr and for a length of 6.60 km in Neelangarai, Injambakkam and Sholinganallur stretch of East Coast Road at a cost of Rs.134.58 Cr are in progress.

ii. Formation of new link road connecting OMR and ECR at Neelangarai, the stretch from OMR to Buckingham canal is completed at a cost of Rs.18.25 crore. LA is in progress for the remaining portion of connectivity between Buckingham canal to ECR.

iii. For connecting GST road from Perungalathur to Velachery - Tambaram road at Madambakkam, six-lane Tambaram Eastern Bypass is being formed for a length of 9.30 Km, the work in Mappedu stretch for a length 3.05 km has already been completed at a cost of Rs.25.00 Cr and the works in Nedungundram stretch for a length of 2.63 km at a cost of Rs.36.69 Cr and in Puthur stretch for a length of 1.55 km at a cost of Rs.55.77 Cr are in progress. For the remaining stretches, Land Acquisition including transfer of forest land is in progress.

2.1.2.4 Pedestrian Infrastructure Facilities - Foot Over Bridges with Escalators

During 2023-24, the work of construction of 2 FOBs, one near Nelson Manickam Road junction on Grand Western Trunk (GWT) Road and the other at Senthil Nagar junction on Inner Ring Road, at a cost Rs.30.67 Cr has been commenced. Further, the preparation of DPR is in progress for construction of FOB near DAV & Velammal School, Mogappair.

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2.1.2.5 Construction Of Road Over Bridge

During 2023-24, widening the existing Road Over Bridge near Padi flyover in Inner Ring Road at a cost of Rs.139.17 Cr in Highways portion has been commenced.

A sum of **Rs.405.29 Cr** has been spent under the CMDP scheme during 2023-24.

2.2 UPGRADATION OF PANCHAYAT UNION ROADS / PANCHAYAT ROADS TO ODR STANDARD

The scheme is accorded 'top-priority' as it exerts a positive influence on rural economy. In line with the Budget announcement made during 2021-22, 10,000 km of Panchayat Union/Panchayat Roads are to be upgraded to Other District Roads (ODRs) standards. Rural Development and Panchayat Raj Department has, so far, handed over 4110 km of Panchayat Union / Panchayat Roads for upgradation. Of which, 2786.58 km length at a cost of Rs.3056.01 Cr has been taken-up for upgradation and out of which, 1657 km length at a cost of Rs.1784.89 Cr has been completed so far.

In addition, in the year 2021-22, 1078 Nos of works to a length of 2486.04 km at a cost of Rs.2120.74 Cr were taken over as spill over. Of which, 1066 nos. of works to a length of 2447.82 km at a cost of Rs.2072.06 Cr have been completed. In total, from 2021-22 to 2023-24, 4104.82 km length of 1823 Panchayat Union Roads / Panchayat Roads have been upgraded as ODR costing Rs.3856.95 Cr. During 2023-24 alone, an expenditure of Rs.1823.59 Cr has been incurred.

2.3 FORMATION OF BYPASSES

Bypasses are the preferable solutions in easing traffic congestion, enabling smooth and quicker flow of traffic through cities/towns. Bypasses have two critical components, viz., a) Land-Acquisition and b) formation of bypass. In the year 2023-24, 3 bypasses i.e. in Thuraiyur, Namakkal (Phase I , II & III) and Tirupathur have been taken-up at a cost of Rs. 283.00 Cr. In addition, works on 18 spill-over Bypasses were closely

monitored. Out of which, 4 bypasses viz., Rasipuram (Phase-I Part-2), Thiruthuraipoondi-Part-I, Parthibanoor and Bhavani Phase-II have been completed at a cost of Rs.113.98 Cr and works on remaining 14 bypasses i.e. Ambasamuthiram, Bhavani (Phase I), Coonor, Pollachi western Bypass, Thiruchengodu, Tiruthani, Aruppukottai Western Bypass, Coimbatore Western ring road, Kamudhi, Kelambakkam, Tiruporur, Muthukulathur, Jalakandapuram and Sivagangai-I are in progress.

Further, preparatory works for 61 bypasses are at various stages of DPR preparation and land acquisition.

2.4 FORMATION OF LINK ROADS

The work on link road at Pasumalai near Thiruparankundram at a cost of Rs. 41.89 Cr is in progress and land acquisition is in progress for Rajapalayam link road. Widening and improving the road connecting Erode - Perundurai - Kangeyam road (SH-96) to Ooty - Kothagiri - Mettupalayam - Sathy - Gobi - Erode road (SH-15) near Kaniravutharkulam via Vilarasampatty, has been completed at a cost of Rs. 20.85 Cr.

2.5 CONSTRUCTION OF HIGH-LEVEL BRIDGES (HLB)

Bridges across water bodies especially rivers ensure unhindered flow of traffic in all seasons. In all, 277 HLBs have been constructed and put into public use, in the past three years.

State Funded HLBs

In the year 2023-24, 13 HLBs have been taken-up at a cost of Rs.399.82 Cr and the works are in various stages of implementation. A few of the newly sanctioned works are as follows;

1. Formation of High-level bridge of 3.2 km length across Palar River from Kangeyanallur to Sathuvachari at a cost of Rs.90.66 Cr.

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2. Reconstruction of High-level Bridge across Palar River at km 0/4 -1/0 of Nerumbur-Pudupattinam Road to Edayathur road (via) Irumbulicherry at a cost of Rs.51.87 Cr.

3. Construction of High-Level Bridge across Vellar river connecting Kallipadi – Kavanur village at a cost of Rs.27.18 Cr.

In addition, in the year 2021-2022, 33 spill-over works at a cost of Rs.443.73 Cr were closely monitored. In the last three years, 31 nos. of HLBs have been completed at a cost of Rs. 359.78 Cr. Some of the completed works are as follows;

1. Construction of High-Level Bridge at km 4/6 of Vallam - Kallaperambur Road (ODR) across Mudalamuthuvari drain at a cost of Rs. 6.04 Cr.
2. Construction of High Level Bridge in lieu of existing old narrow bridge across lower Bhavani canal at km.4/2 of Kurumandur - Kadathur road at a cost of Rs.3.33 Cr.
3. Construction of High Level Bridge across Cheyyar River at km 11/2 of Uthiramerur - Kancheepuram road at a cost of Rs.21.56 Cr.

NABARD Loan Assistance

Under Rural Infrastructure Development Fund (RIDF), NABARD, construction of High-level Bridges in lieu of causeways / weak bridges / narrow bridges have been taken up. The loan assistance of NABARD is 80% and balance 20% is met out from State Fund. In the year 2023-24, 4 HLB works have been taken-up at a cost of Rs.52.00 Cr under NABARD loan assistance. In addition, 153 HLB works at a cost of Rs.979.28 Cr were closely monitored. As a result, 99 HLB works have been completed at a cost of Rs.399.13 Cr. In the last three years, 246 Nos of HLBs funded at a cost of Rs.833.39 Cr have been completed and brought to public use.

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2.6 CONSTRUCTION OF ROAD OVER BRIDGES/ROAD UNDERBRIDGES/LIMITED USE SUBWAY

RAILWAY WORKS PROGRAMME(RWP)

Based on qualifying criterion of more than 1 lakh Train Vehicle Unit (TVU)/day, ROBs/ RUBs are being constructed across railway crossings to ensure safe and hassle-free vehicular traffic at level crossings. Four new ROBs/RUBs works have been sanctioned at a cost of Rs.143.22 Cr in the year 2023-24. The works on 59 ROB/RUBs as spill-over at a cost of Rs.2607.35 Cr were closely monitored. Out of which, 9 works have been completed at a cost of Rs.426.06 Cr, and 34 works are in progress at a cost of Rs.1638.99 Cr and remaining 16 works are in pre-construction stage. In the last three years, 22 nos. of ROBs/ RUBs at a cost of Rs.836.20 Cr have been completed and opened up for public usage.

STATE FUNDED

Some of the ROB/RUBs are not eligible for cost-sharing under RWP due to low TVU i.e. less than 1 lakh per day. However, owing to the importance of the location or corridor, such places require construction of ROB/RUBs. Such works could be taken up under State funding only. ROB at Chickanna College near Tiruppur is in progress at a cost of Rs.42.76 Cr.

CENTRAL ROAD AND INFRASTRUCTURE FUND- SETHU BANDHAN

During 2023-24, administrative approval and financial sanction was were accorded by the Government for the work of construction of Road Over Bridge at Needamangalam (LC 20 & LC 1) at a cost of Rs. 170 Cr and the work is in Progress.

2.7 GRADE SEPARATORS

Grade separators are warranted in urban situations where the existing roads are to be navigated through an elevated structure, for enabling easy movement of traffic across a busy junction/location. It is a cost-sensitive, long-term measure. Certain iconic grade separators taken up by the department are;

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1. Ukkadam -Athupalam in Coimbatore city is completed at a cost of Rs.140.49 Cr. Also, the extension work at a cost of Rs.265.44 Cr is in progress.

2. Flyover at Goripalayam Junction in Madurai City from km 440/100-441/0 of Varanasi- Kanyakumari Road (SHU73) and km 0/0-0/6 Of Madurai -Alagarkoil - Melur Road (SH72A) for Rs.190.04 Cr - in progress.

3. Grade Separator at km 1/2 of Madurai-Thondi road (Apollo Hospital Junction) at a cost of Rs.150.28 Cr - in progress.

4. Construction of grade separator at Km 37/6-38/4 of Vandalur – Wallajabad road (Padappai) at a cost of Rs. 25.52 Cr - in progress.

2.8 CONSTRUCTION OF ELEVATED CORRIDOR

Elevated corridors ensure uninterrupted smooth traffic flow in major cities. Some of the elevated corridors taken up by the Government are mentioned below;

1. Construction of elevated corridor along Avinashi road in Coimbatore City from Goldwins to Uppilipalayam for 10.10 km at a cost of Rs.1621.30 Cr - in progress.

2. Construction of elevated corridor from Teynampet to Saidapet at a cost of Rs.621 Cr - in progress.

2.9 GOVERNMENT OF INDIA (GoI) FUNDED SCHEMES

2.9.1 NATIONAL HIGHWAYS WORKS

Tamil Nadu has a total length of 6805 km National Highway. Of which 1677 km is maintained by the State NH wing and the remaining 5128 km is maintained by NHAI. The NHs are developed and maintained with the funds allocated by the Ministry of Road Transport and Highways (MoRT&H).

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2.9.1.1 NATIONAL HIGHWAYS - ANNUAL PLAN

During the year 2023-24, the following works have been sanctioned under Annual Plan;

i. Land Acquisition for 4-Laning/2 lane with paved shoulder of NH209 – Coimbatore – Sathyamangalam – TN/KNT Border road at a cost of Rs. 639.18 Cr.

ii. 2 Upgradation works costing Rs. 18.36 Cr, viz., widening and strengthening of NH-381A and protective works in NH85.

49 Spill over works such as construction of 4 bypasses (Thiruvaiyaru, Bagalur, Madurai Achampathu – Viratipathu, Gudiyatham) of 435.85 km at the cost of Rs. 2761.09 Cr and 28 Bridge works of value Rs. 951.89 Cr were under execution, out of which, road works for a length of 236.97 km and 7 bridge works (Fly over 2 nos, HLB-2 nos, Minor Bridge – 1 no, Rehabilitation –2 nos) have been completed in FY 2023-24. Major projects completed during 2023-24 are as follows;

TABLE 9: COMPLETED MAJOR PROJECTS IN NATIONAL HIGHWAYS

(**Rs. in Cr.**)

S.No	Name of work	Amount
1	High Level Bridge across Thenpennai River at km 59/8-59/10 (Cuddalore Town) of Villupuram -Puducherry – Nagapattinam Road (NH45A)	26.80
2	Flyover at km 362/790-364/555 (Periyanaickenpalayam Junction) of Coimbatore – Mettupalayam – Ooty – TN/KNT Border Road (NH181)	115.57
3	Grade Separator at Kochadai Junction at Km 5/10 of Madurai – Cochin road (NH49 Extn.)	53.95

S.No	Name of work	Amount
4	Additional Two lane bridge across Bhavani river at km 229/2-4 of NH209	11.74
5	Widening 2 Lane to 4 Lane with Paved Shoulders from A.Pallipatti to Uthangarai section of Salem – Tirupathur – Vaniyambadi Road (NH 179A) for a length of 44.00 km	320.00
6	Widening to 4 Lane with Paved Shoulders form Trichy to Mathur of Trichy – Ramanathapuram Section (NH336) for a length of 10 km	68.00
7	Widening to 2/4 Lane with Paved Shoulders of Musiri – Namakkal road (NH381B) for a length of 26.89 km	184.15
8	Rectification of Blackspots in 7 locations (Ramayanpatty, Palamrajakkapatty, Edaiyapatty, Muthanampatty, PSNA College, Kathirayankulam and Mangarai Pirivu) of Dindigul – Ottanchatram – Madathukulam – Pollachi Section (NH83)	62.17

Land Acquisition for 4 laning of Thoothukudi – Tiruchendur – Kanyakumari Road and for 3 bypasses (Vellore, Vettavalam, Thiruvaiyaru) costing Rs.559.87 Cr is in progress. Preparation of Detailed Project Report for 9 works has also been initiated to create a shelf of projects.

An expenditure of Rs.1261.77 Cr has been incurred in Financial Year 2023-24 up to 31st March 2024.

2.9.1.1.1 SETU BHARATAM SCHEME

To replace level crossing on NHs by ROB/RUBs, under "SETU BHARATHAM" scheme, sanction has also been accorded for the construction of 6 ROBs amounting to Rs. 412.11 Cr.

2.9.1.2 CENTRALLY SPONSORED SCHEMES

2.9.1.2.1 Central Road and Infrastructure Fund Scheme

MoRT&H has approved the list of 23 road works covering a length of 102.935 Km costing Rs.342.41 Cr, and 24 bridge works costing Rs. 313.35 Cr, totalling to Rs. 655.76 Cr in the year 2022-23. Out of which, 7 road works to a length of 25.41 Km costing Rs.131.58 Cr are in progress. Further, preparation of DPRs for 19 bridge works are in progress.

2.9.1.2.2 Pradhan Mantri Gram Sadak Yojana (PMGSY)

The Government of India provide funds for upgrading the "Other District Roads" under this scheme. Out of 4 works for a total length of 31.98 Km sanctioned for Rs.34.16 Cr in the year 2021-22, 3 works have been completed and 1 is in progress.

2.10 DEPOSIT WORKS

The Construction and Maintenance wing and National Highways wing take-up a few works as deposit works, which are funded by other agencies. Approach roads to Industrial hubs are also taken-up to boost the sector. Some of the works taken up as deposit works by Construction and Maintenance wing are as follows;

- Formation of Approach Road from Kavarapettai - Sathyavedu Road (SH52) to SIPCOT Industrial Park,Manallur from Km 0/0 -4/110 for Rs. 54.41 Cr -Work in progress.
- Formation of Panapakkam SIPCOT Approach Road Km 0/0 - 0/800 for Rs. 26.50 Cr -Work in progress.
- Widening from Two lane with paved shoulder to four lane and Strengthening at Km 0/0-1/550 of connecting road between SIPCOT and Pochampalli-Kodamandapatti road for Rs. 8.40 Cr -Tender stage

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The following road improvements works have been taken up as deposit works from National Highways Authority of India (NHAI) by the State NH wing.

- Widening of NH45 from 4 Lane to 8 Lane between Guduvanchery to Chettipunniyam (Mahindra City) of 13.30 Km for Rs.230.69 Cr in 3 Packages - completed.

- Widening of NH4 from 4 Lane to 6 Lane between Maduravoyal By-pass to Sriperumpudur of 23.20 Km for Rs.428.95 Cr in 6 packages. Out of which, 5 packages are completed and 1 package is nearing completion.

- Widening of NH544H Thoppur – Mettur – Bhavani – Erode Road to 1 Lane with paved shoulders of 85.00 Km for Rs.186.50 Cr in 4 packages. Out of which, 1 package is completed and 3 packages are in progress.

2.11 ROAD SAFETY WORKS

As short-term road safety measures, junction improvement, provision of speed breakers, signboards, and protective works are being taken up to reduce accidents, under the guidance provided by the Road Safety Wing of the department. Long-term measures such as construction of grade separators, VUP, widening of road, straightening of curves etc., are also being undertaken under the regular schemes.

Road Safety Works under CRIDP

In the financial year 2021-22, 401 works were taken-up under CRIDP Road safety component at a cost of Rs.200 Cr. 398 works at a cost of Rs.171.63 Cr have been completed.

In the financial year 2022-23, 532 works were taken-up under CRIDP at a cost of Rs.191.37 Cr and 519 works at a cost of Rs.145.86 Cr have been completed.

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In the financial year 2023-24, 165 works have been taken-up under CRIDP for Rs.134.65 Cr, out of which, 89 works have been completed at a cost of Rs.5.61 Cr.

During Budget session 2023-24, the Hon'ble Minister for Public Works, Highways and Minor Ports has announced that immediate rectification measures required on State Highways will be taken up at a cost of Rs.150 Cr based on a 'Road Safety Audit' (RSA) conducted using the services of trained Road Safety Engineers. Accordingly, sanction has been accorded for 555 road safety works at a cost of Rs.149.88 Cr and all these works will be completed shortly.

Black Spot Rectification

Ministry of Road Transport and Highways, Government of India had identified 1208 black-spot locations in Tamil Nadu based on the data collected during the years 2015-18. Subsequently, 131 blackspot locations on NHAI and NH roads were also identified. The long-term rectification measures have been completed for 781 black spots and works on remaining black-spots are in various stages of implementation.

Special Task Force- Road safety

To implement Fatality Accident Incident Reduction (FAIR), a Special Task Force on Road Safety (STF-RS) was constituted on 15.3.2022 under the Chairmanship of the Additional Director General of Police, State Crime Records Bureau, in which, the Chief Engineer (H), Construction and Maintenance is one of the members. The STF is mandated to identify short-term and long-term solutions for reducing fatalities and injuries in road accidents. The implementation of the recommendations is also being monitored by STF. An allotment of Rs.90.37 Cr has been made in the year 2023-24 for short-term measures and works are in progress.

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Junction Improvement works

Junctions are vulnerable locations that cause accidents. 72 numbers of accident-prone junctions have been identified and taken up at a cost of Rs.110.26 Cr during 2023-24. The works are in progress.

2.12 EXTERNALLY AIDED PROJECTS

2.12.1 TAMIL NADU ROAD SECTOR PROJECT (TNRSP)

Tamil Nadu Road Sector Project –II, an externally aided project, is being executed at a total cost of Rs.5171 Cr with World Bank loan amount of Rs.2122.90 Cr (USD 300 Million) to upgrade roads with high traffic intensity. The Project involves a) upgradation and maintenance of roads covering a length of 1187.04 km across Tamil Nadu and b) Institutional Capacity Enhancement of the department and sensitisation on Road Safety.

2.12.1.1 Completed Works

Under the EPC mode of contract, 471.96 km of roads across the State have been widened, in which 427.96 km of roads have been widened to two-lane with paved shoulders and 44 km to Four-lane. Taken up for construction under Public Private Partnership mode (PPP), with 8 years of maintenance, 70.2 kms of Four-laned Oddanchatram –Dharapuram – Avinashipalayam Road (SH37) is currently in 4th year of maintenance.

2.12.1.2 Works in Progress

The following 3 works for a length of 63.384 Km at a cost of Rs. 621.80 Cr are in progress, under EPC mode;

- Strengthening and widening of Malliyakarai – Attur road of SH30 (km.81/125 - 91/200)
- Strengthening and widening (Four Lane) of Tirunelveli – Sengottai – Kollam Road (SH39) km 27+700 to km 50+600 (package II)
- Four Laning of Gobi - Erode Section of SH15 from km 123+000 to km 153+600

2.12.1.3 DPRs Funded by Tamil Nadu Infrastructure Development Board TNIDB

With Tamil Nadu Infrastructure Development Board (TNIDB) funding, preparation of DPRs for widening and strengthening of 3319 km roads at the cost of Rs. 132.76 Cr has been taken up. Out of these roads, 718.71 km length of roads has been proposed under TNRSP – III with External Loan Assistance.

2.12.1.4 Institutional Capacity Enhancement and Road Safety (ICERS)

Road Safety component works have been taken up under TNRSP-II Project at an estimated cost of Rs.120.00 Cr. Under this,

- Road Safety improvement works including Intelligent Transport System (ITS) for a length of 95.60 km in Kancheepuram and Tiruvannamalai Districts,
- Specific support to the Stakeholders viz., Transport, Police, Health and Education Department has been extended under Road safety initiatives
- Road Safety awareness campaigns in 36 schools of Kancheepuram and Chengalpattu Districts as Pilot completed under Phase-I and the same will be extended to 261 schools under Phase-II.

2.12.2 CHENNAI KANYAKUMARI INDUSTRIAL CORRIDOR PROJECT (CKICP)

16 State Highway corridors for a length of 589 km have been taken up for upgradation with the financial support of USD 484 million from the Asian Development Bank (ADB) under Tamil Nadu Industrial Connectivity Project. These works are being executed on Engineering Procurement Contract mode. Amongst these, 72.43 km of roads are being upgraded from two-lane to four-lane with paved shoulders and the remaining 516.57 km of roads are being upgraded from two-lane to two-lane with paved shoulders. The total cost of the project, including land acquisition is Rs.7847.49 Cr. Of the

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construction cost, 80% is funded through loans from the ADB and remaining 20% is funded by the State Government.

2.12.2.1 PROGRESS OF WORKS

Out of total 16 road development works, 5 roads (EPC-05,EPC-06, EPC-10,EPC-11 and EPC-13) with a project value of Rs.1,112.61 Cr have been completed and work is in progress on the remaining 11 roads which are planned for completion during 2024-25.

2.12.2.2 *LAND ACQUISITION (LA) AND RESETTLEMENT AND REHABILITATION (R& R)*

The project warrants acquisition to the tune of 445 hectares in 349 villages, out of which, 437 hectares of private lands have already been acquired. Remaining extent is in award enquiry / final award stages. The 41 indigenous families, displaced in Melpakkam Village near Arakkonam, due to the project alignment, are being resettled following the ADB's Social Safeguards Policy. Residential buildings, Anganvadi, Community Hall, Temple, over-Head Water Tank with water supply facility, pump room and cement concrete pavement are being constructed under this aegis.

2.12.3 CHENNAI PERIPHERAL RING ROAD

Chennai Peripheral Ring Road comprises 5 sections and is being executed with the external loan assistance of the Multi-lateral and Bilateral funding agencies. The entire 132.87 km long corridor is being developed at the total cost of Rs.15,626 Cr.

TABLE 10: DETAILS OF CHENNAI PERIPHERAL ROAD LENGTH

(Length in km)

Section	Start	End	Length
I	Ennore Port	Thatchur	25.40
II	Thatchur	Start of Tiruvallur Bypass	26.10

Section	Start	End	Length
III	Start of Tiruvallur Bypass	Sriperumpudur	30.10
IV	Sriperumpudur	Singaperumalkoil	23.80
V	Singaperumalkoil	Poonjeri Junction in ECR	27.47
		Total Length	**132.87**

The entire project length is planned as an access-controlled six lane road and service roads on either sides.

2.12.3.1 Section-I (Ennore Port to Thatchur)

Starting from Ennore port to Thatchur with a link road to Chennai Outer Ring Road, the Section-I of CPRR, for a length of 25.4 km, is being executed at the cost of Rs.3339.00 Cr through TNRDC, as a managing associate. The project is financially assisted by Japanese International Co-operation Agency (JICA), with an assistance of 40,074 Million Japanese Yen (Rs.2473.70 Cr). The project is scheduled to be completed by 2025.

2.12.3.2 Section II, III, IV, & V(Thatchur to Poonjeri Junction near Mamallapuram)

Starting from Thatchur, Section II and III of CPRR, traverses through Thiruvallur Bypass, ends at Sriperumbudur, for a total length of 56.20 km. Section-II and Section-III are being formed for a length of 26.10 km and 30.10 km, respectively. These portions are being constructed at a cost of Rs.4899.00 Cr through TNRIDC as a managing associate. The Financial assistance for Section II & III is being provided by Asian Infrastructure Investment Bank (AIIB) for USD 378 Million and OPEC Fund for International Development for USD 100 Milllion. For Civil Works in Section III under 3 EPC Packages, viz., EPC-03, EPC-04 & EPC-05, tender evaluation is in progress. The construction Works in Section II are being carried-out through the following EPC Packages;

EPC-01:The civil works are scheduled to be completed by 2025, at a contract value of Rs.820.59 Cr.

EPC-02:The civil works are scheduled to be completed by 2025, at a contract value of Rs.719.10 Cr.

The Section-IV of CPRR starts from Sriperumbudur and ends at Singaperumal Koil, with a length of 23.80 km. The works have already been completed with State funds. The preparation of DPR is underway for making this stretch access-controlled, through Tamil Nadu Road Infrastructure Development Corporation (TNRIDC).The Section V of CPRR starts from Singaperumal Koil and ends at Poonjeri Junction, near Mamallapuram (NH332A), for a length of 27.47 km. The Land Acquisition at the cost of Rs.747.92 Cr for an extent of 126.84 hectares, is at advanced stages. The fund assistance for project work is sought through JICA loan assistance for 49,847 Million Japanese Yen (Rs.2784 Cr).

2.13 TAMIL NADU ROAD DEVELOPMENT COMPANY

2.13.1 CHENNAI OUTER RING ROAD

TNRDC is 'Management Associate' for Chennai Outer Ring Road (CORR), a Green-field project, which starts from Vandalur on NH32 and ends at Thiruvottiyur–Ponneri-Panchetti Road, Minjur. This Project was executed in two phases on Design Build Finance Operate Transfer (DBFOT) Annuity basis under PPP mode.

Phase-I: from Vandalur on NH32 to Nemilicheri on NH716, a length of 29.65 km for Rs.1081.40 Cr.

Phase-II: from Nemilicheri on NH716 to Thiruvottiyur–Ponneri-Panchetti Road at Minjur, a length of 30.50 Km for Rs.1075.00 Cr.

From 19.01.2022 onwards, road user fees are being collected at 4 Toll Plazas on CORR.

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2.13.2 CHENNAI PERIPHERAL RING ROAD (CPRR)

As a managing associate, TNRDC is executing CPRR Section- I (Ennore port to Thatchur) and Section-V (Singaperumal koil to Poonjeri). While the construction works are in progress at Section-I, land acquisition is at an advanced stage for Section-V.

2.13.3 INFORMATION TECHNOLOGY EXPRESSWAY LTD(ITEL)

A subsidiary of TNRDC, ITEL maintains Rajiv Gandhi Salai (I.T. Expressway) from Madhya Kailash to Siruseri. This road, running through the I.T. Hub of Chennai City, is a divided six lane carriageway with service road on both sides.

2.13.4 CONSTRUCTION OF 'U' SHAPED FLYOVERS AT INDIRA NAGAR JUNCTION AND TIDEL PARK JUNCTION IN RAJIV GANDHI SALAI

As a part of traffic de-congestion drive and to enable smooth flow of traffic along IT corridor, two 'U' shaped Flyovers, one at Indira Nagar Junction and other at TIDEL Park Junction, at a cost of Rs.108.13 Cr were taken up for execution by TNRDC as Managing Associate. Of the above, the Indira Nagar Flyover has been opened for public use by the Hon'ble Chief Minister on 23.11.2023. The flyover at TIDEL Park junction is at advanced stages of completion.

2.13.5 BYPASSES TO KELAMBAKKAM AND THIRUPORUR

Bypasses with six-lane configuration at Thiruporur (7.45 km long) and Kelambakkam (4.68 km long), taken up at the cost of Rs.314.73 Cr, are nearing completion

2.14 TAMIL NADU ROAD INFRASTRUCTURE DEVELOPMENT CORPORATION

Formed in the year 2005, Tamil Nadu Road Infrastructure Development Corporation (TNRIDC), a non-profitable company, solely owned by the Government of Tamil Nadu, is involved in executing road infrastructure projects.

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2.14.1 PROJECTS IMPLEMENTED BY TNRIDC

1) The work of 'Improvements from Four laning to Six laning of Vandalur – Walajabad Road from km 47/0 – 63/8' has been taken up at a cost of Rs.180.09 Crore. The work is nearing completion.

2) Construction of grade separator at Km 37/6 – 38/4 of Vandalur Walajabad road has been taken up at a cost of Rs.26.65 crore and the work is nearing completion.

3) **Madurai Ring Road**: Four laning of Madurai Ring Road has been completed and the road has been put to public use. Due to expansion of Madurai Airport, it is proposed to form a diversion road to Madurai Ring Road, for a length of 8.00 Km. Land acquisition, sanctioned for Rs.40.50 Cr, is in progress.

4) **Chennai Peripheral Ring Road**: TNRIDC is the Project Implementation Unit for Section II, III & IV of Chennai Peripheral Ring Road Project.

Section II:	From Thatchur on NH16 to starting point of Thiruvallur Bypass, for a length 26.10 km- Work is in progress
Section III:	From starting point of Thiruvallur Bypass to Sriperumbudur (NH 48), for a length 30.10 km - Technical tender evaluation is in progress.
Section IV:	From Sriperumbudur (NH 48) to Singaperumal koil (NH32), six-laned carriageway for a length 23.80 km- DPR is in progress for proposing access-controlled stretch.

5)**Construction of ROB in lieu of LC47 in between Guduvancherry and Singaperumal koil Railway Stations**: This ROB will act as connectivity between Section IV & Section V of CPRR and the work is in progress.

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II. MINOR PORTS WING

3.TAMIL NADU MARITIME BOARD

Tamil Nadu Maritime Board (TNMB) was established under the Tamil Nadu Maritime Board Act 1995 (Act 4 of 1996) on 18.03.1997, to administer, manage and control state ports. With the second longest coastline of 1076 km in the country, three Major Ports, namely, Chennai Port, Kamarajar Port (Ennore) and V.O.Chidambaranar Port (Thoothukudi) under the control of Union government and 17 declared / Notified Minor Ports under the state government, are the valuable infrastructural assets.

3.1 COMMODITIES HANDLED IN MINOR PORTS

Table 11:COMMODITIES HANDLED IN MINOR PORTS

In Metric Tonnes

Sl. No	Name of the Port	Import / Export	No. of Ship	Commodities	Quantity of cargo	Total
1.	Ennore Minor Port	Import	6	Liquid Ammonia	40,412	**40,412**
2.	Kattupalli Port	Import	41	Steel/Iron	3,64,315	**48,52,315**
			4	Machineries	870	
			22	Petroleum Product	5,40,398	
			9	Miscellaneous	1,75,180	
			449	20 Ft Loaded Container	12,55,896	
				40 Ft Loaded Container	21,98,736	
				20 Ft Empty Container	32,472	
				40 Ft Empty Container	2,84,448	
		Export		20 Ft Loaded Container	11,66,952	**48,12,975**
				40 Ft Loaded Container	20,41,296	
				20 Ft Empty Container	5,51,652	
				40 Ft Empty Container	8,84,856	
			8	Machineries	7,534	

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Sl. No	Name of the Port	Import / Export	No. of Ship	Commodities	Quantity of cargo	Total
			17	Granite	1,52,948	
			1	Steel	164	
			1	Miscellaneous	7,573	
3.	Cuddalore Port	Import	43	Vinyl Chloride Monomer	3,29,886	**32,9887**
			-	Miscellaneous	1	
		Export	-	Miscellaneous	3,895	**3,914**
			-	Machineries	19	
4.	Nagapattinam Port	Import	13	Edible Oil	74,527	**74,527**
		Export	-	Miscellaneous	164	**164**
5.	Thirukkadaiyur Port	Import	-	Natural Gas	3701	**3,701**
6.	Kudankulam	Import	4	Machineries	2257	**2,257**
7	Udangudi	Import	1	Machineries	2527	**2,527**
Total		**Import**			**53,05,626**	**1,01,22,679**
		Export			**48,17,053**	
Grand Total			**619**		**1,01,22,679**	**1,01,22,679**

3.2 PAMBAN PORT

323 smaller crafts were piloted through Pamban Channel during the year 2023-2024.

3.3 RAMESWARAM PORT

1,69,964 passengers were ferried, through passenger ferry service near Agnitheertham in Rameswaram during the year 2023-2024.

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3.4 KANYAKUMARI PORT

Ferry service is operated by Poompuhar Shipping Corporation Limited from sea-shore to Vivekananda Rock Memorial and Ayyan Thiruvalluvar Statue. 21,50,943 passengers were ferried during the year 2023-2024.

3.5 CARGO TRAFFIC

In 2023-2024, about 1,01,22,679 MT of cargo have been handled through 619 vessels in the Minor Ports.

4. POOMPUHAR SHIPPING CORPORATION LIMITED

The corporation is now assisting in transportation of coal through chartered vessels for NTPC Tamil Nadu Energy Company Ltd., (NTECL), a joint venture company of TANGEDCO and NTPC, from the load ports of Paradip and Dhamra to Ennore for their three Units of 500 MW thermal power stations at Vallur, North Chennai, as per the Memorandum of Understanding. In addition, three passenger ferries viz., ML Guhan, ML Pothigai and ML Vivekananda that can handle 150 passengers each are being operated. ML Thamirabarani and ML Thiruvalluvar, new ferries have also been pressed into service from Kanniyakumari to Vattakottai. The performance of the corporation is given below:

4.1 PHYSICAL PERFORMANCE – COAL MOVEMENT

Physical performance for chartered vessels for the period 2022-2023 and 2023-2024 is as follows:

Table 12: PHYSICAL PERFORMANCE

	2022-2023	2023-2024
Chartered Vessels		
No. of Vessels	04	04
No. of voyages	97	79
Average quantity of coal moved per voyage (in MT)	77,722	78,227
Total quantity moved (in lakh MT)	**75.39**	**61.79**

4.2 FINANCIAL PERFORMANCE – COAL MOVEMENT

The overall financial performance of the corporation during the last three financial years is as follows:

TABLE 13: FINANCIAL PERFORMANCE

(Rs.in lakh)

Year	Turn Over	Profit	Dividend
2020-2021	29226.38	68.47	20.54
2021-2022	42121.52	(-)2867.33	---
2022-2023	35000.00	200.00	---

4.3 KANNIYAKUMARI FERRY SERVICE

The physical and financial performances of the ferry service for the last three years are given below:

Table 14: PHYSICAL & FINANCIAL PERFORMANCE OF FERRY SERVICE

	2021-22	2022-23	2023-24
No. of Ferry in service	3	3	3
No. of Passengers ferried (In lakh)	5.47	21.36	21.31
Fare collection (Rs.in lakh)	265.64	1591.18	2265.94
Operational Profit (Rs.in lakh)	(-)144.80	333.47	940.54

E.V.Velu

Minister for Public Works, Highways and Minor Ports Department

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