

Road projects in Tamil Nadu

The length of Roads available in Tamil Nadu state is 1,94,087 Km approximately. In this 61,641 Km length of roads are maintained by MORT&H, Government of India and State Highways Department. Apart from this certain roads are maintained by local bodies and other Departments.

Different categories of roads and their length:

Category of road	Length(Km)
National Highways(NH)	4,873
State Highways(SH)	9,384
Major District Roads(MDR)	11,288
Other District Roads(ODR)	36,096
Total	61,641

The density of road network in the country is 329 Km per lakh of population and the density of road Network in Tamil Nadu is 311 Km per lakh of population. In 2007-08, the road density in the state was 286 Km per lakh of population. Moreover, the road network in the State is 149Km per 100 Sq. Km area, which is higher than the national average length of 103 Km. This is an indicator of the well developed road infrastructure facilities in Tamil Nadu.

Out of a total length of 4873 Km of National Highways in Tamil Nadu, widening to four lane and improvement works in 3260 Km length of roads has been taken up by National Highway Authority of India (NHAI). The balance of 1613 Km of National Highways are being improved and maintained by this Department with the funds provided by Government of India.

Rajiv Gandhi Salai (IT Expressway) (Phase II):

IT Express way (Rajiv Gandhi Salai) from Chennai Madhya Kailash to Siruseri 20 km length has been widened to six lane to World class standards, including the link road connecting Sholinganallur to East Coast Road for a length of 2 Kms have been widened to four lane at a cost of Rs.300 crores and this road has been dedicated to the people during October 2008 by the Honourable Chief Minister of Tamil Nadu. This road is being maintained by the Tamil Nadu Road Development Company and has been named as Rajiv Gandhi Salai by Honourable Chief Minister of Tamil Nadu. In the second phase, Government decided to widen the road to six lane from Siruseri to Mamallapuram in East Coast Road for 25 Km length and form a bypass for 4.67 Km length (via) Padur, Kelambakkam and Thaiyur and another bypass for 5.75Km length (Via) Kalavakkam, Thiruporur and Thandalam and sanctioned Rs.70 Crores for land acquisition works. The land acquisition has been taken up and Detailed Project Report for this work has been prepared for Rs.400 crores. Action will be

taken for taking up this work on completion of land acquisition and identifying the source of funding.

Inner Ring Road in Chennai City

To ease the traffic congestion in Southern part of Chennai city, Government sanctioned formation of Southern Sector of Inner Ring Road starting from Km 14/1 of NH-45 to join at Km 13/4 of Old Mamallapuram road for a length of 9.40 Km. In the first phase 4.40 Km length of road works and Road Under Bridge (RUB) in Nanganallur road have been completed.

In the second phase, formation of road for a length of 5km is in progress. Revised Administrative sanction of Rs.67.91 crores has been given for this work, which includes construction of bridge across Adambakkam Lake at an estimated cost of Rs.15.20 Crores. An expenditure of Rs.13.65 crores has been incurred during 2008-09 A provision of Rs.37 thousand has been made for this scheme during this year. Action will be taken to obtain additional funds depending upon the progress of the works.

Road Infrastructure Development in Oragadam Industrial Park Area

Due to the sustained efforts of the Tamil Nadu Government to improve the road and bridge infrastructure for fast developing industries in Sriperumbudur area of Kancheepuram District the Government has sanctioned to take up the following works at a cost of Rs. 300 Crores.

Madurai Radial Roads

Under Comprehensive Road Infrastructure Development Programme sanction had been accorded in the second phase comprising 14 works of 123.20 km for the work of formation of Radial road to Madurai at a cost of Rs.70.60 crores. Of which 120 km length of road works has been completed during 2008-09 with an expenditure of Rs.63.79 crores. The balance works will be completed during this year.

Tiruppur Ring Road

There is heavy traffic congestion in Tiruppur town due to industrial development. To ease the traffic congestion in Tiruppur town and surrounding areas, Government sanctioned improvement of road infrastructure by formation of ring road involving a total length of 98.60 Km, two Railway Over Bridges (ROB) and six River Bridges at a cost of Rs.72.40 crores. All the road works have been completed.

Out of six river bridges, one work has been completed. It is proposed to complete three river bridges in this year. Preparation of detailed project report

under progress for two railway bridges (ROB). The execution of the railway bridges will be taken up after calling of tenders. The fund for this scheme has been allocated under Comprehensive Road Infrastructure Development Programme.

Golden Quadrilateral Programme

Under this scheme, upgradation of 342 Km length of roads have been completed at a cost of Rs.1193 crores

Road	Length in Km	Estimate Amount
NH-4 (Chennai-Bangaluru) from Poonamalee to Walaja	92	285.94
NH-5 (Chennai - Nellore) from Chennai to Tada	42	185.00
NH-7 (Bangaluru - Salem) from Athipalli to Krishnagiri	61	205.28
NH-46 (Krishnagiri – Ranipet Road) Krishnagiri to Walaja	147	516.49
Total	342	1192.71

North-South Corridor Programme

Under this scheme, widening of NH-7 & NH-47 (Salem-Cochin) to four lane for a length of 756 Km has been taken up at a cost of Rs. 4280 crores. In this, 97 Km length of road works including Krishnagiri - Thoppur road, Salem bye pass, Namakkal bye pass, Karur bye pass have been completed and 577 Km length of road works is under progress. Also, 82 Km length of road works from Chengapalli – Coimbatore and Tamil Nadu - Kerala Border excluding the stretch of road which is maintained by L&T Pvt. Ltd., has to be taken up by NHA for widening to 4/6 lane at a cost of Rs.852 crores. The work is in tender stage. The work will be taken up for execution after completion of tender process.

Port Connectivity Project

As part of Port Connectivity, improvement of 30 Km length of road at a total cost of Rs.600 crores has been taken up under Chennai to Ennore Port Connectivity Scheme (EMRIP). Tender is reinvited after finding alternate arrangement for funds to meet the increase in the estimate cost due to the changes that has been made in the project.

Another project for improvement of 47 Km length of road in NH-7A from Tirunelveli to Thoothukudi has also been taken up at a cost of Rs.231 crores by NHAI. Necessary action is being taken by NHAI to invite retender to complete the balance 78% of works which were not completed by the original contractor even after the lapse of agreement period. Tenders for the work of Improvement of link road connecting Tambaram - Tiruneermalai road from Burma Colony which is in North West side of MEPZ (Madras Economic Processing Zone) to Chennai bypass at Pulikaradu at a cost of Rs.2.30 crores and the construction of new four lane road from Ennore port, Tiruvotriyur, Ponneri, Panchetti - Thatchur for a length of 25.50 Km at a cost of Rs.383 crores have been called for by the NHAI. On finalisation of tenders, the above works will be taken up for execution.

Elevated Expressway Connecting Chennai Port and Maduravayal

Chennai port is located in the heart of city. Containers and heavy vehicles running from and to Chennai port take more time to negotiate Chennai City leading to delay in reaching destination, increase in operating cost of vehicles and pollution of atmosphere. To overcome the above difficulties, construction of Elevated Expressway Connecting Chennai Port and Maduravayal junction is proposed under BOT (Built Operate and Transfer) scheme which is taken up by NHAI. This project is to be executed at a cost of Rs.1655 crores. The total length of the project is 19 Km. Out of 19 Km length, 17.5 Km runs at elevated level and the balance 1.50 Km runs at the road grade . This project is the longest elevated corridor project in the country.

The Expressway utilizes the bank of river Coovam for the section between Chennai Port and Koyambedu and along NH 4 for the remaining portion from Koyambedu to Maduravoyal. The construction period of the project is estimated as 3 years. It has been estimated that Rs.258 crores would be required to resettle and rehabilitate the affected families. Further, the State Government and Chennai Port Trust have agreed to share the cost towards Land Acquisition and Rehabilitation and Resettlement equally. Necessary environmental clearance is expected from Central Government.

National Highways Development Project – Phase – III

Under this scheme, four laning of 1472 Km length of National Highways has been taken up by the NHAI under Build, Operate and Transfer (BOT) basis.

Status of works as follows:

- The road between Trichy - Dindigul in NH45 to a length of 88 Km at an estimated cost of Rs.560 crores has been taken up for widening for four lane and the work is in progress.
- The road between Madurai – Tuticorin via Aruppukottai in NH45B to a length of 128 Km at an estimated cost of Rs.644 crores has been taken up for widening to four lane and the work is in progress.
- In NH 66, 38 Km length of road between Puducherry – Tindivanam has been taken up for widening to four lane by NHAI at an estimated cost of Rs.285 crores and the work is in progress
- In NH 67, 56 Km length of road between Thanjavur – Trichy has been taken up for widening to four lane by NHAI at an estimated cost of Rs.280 crores and the work is in progress
- The road between Trichy – Karur in NH67 to a length of 80 Km has been taken up for widening to 2/4 lane by NHAI at an estimated cost of Rs.516 crores and the work is in progress.
- In NH68, 136 Km length of road between Salem – Ulundurpet has been taken up for widening to four lane by NHAI at an estimated cost of Rs.941 crores and the work is in progress.
- DPR has been finalized for the following roads.

Total Length - 493 Km

	Length in Km
NH 45 Extn , Dindigul-Periyakulam-Theni Road	73
NH 47 & 47B, Kerala / Tamil Nadu Border – Kanyakumari and Nagerkoil –Kavalkinaru Road	71
NH 67, Nagapattinam –Thanjavur Road	80
NH 67 Extn, Coimbatore – Mettupalayam Road	45
NH 205, Tiruthani – Tiruninravoor Road	59
NH 210, Trichy – Karaikudi Road including Trichy bypass	108
NH 220, Theni-Kumuli Road	57
	493

DPR is under progress for the following roads for a total length of 451 Km.

- NH 49, Madurai – Ramnad - Dhanushkodi Road 186
- NH 66, Krishnagiri – Tiruvannamalai -Tindivanam Road 170
- NH 205, Tiruninravoor- Padi Road 22
- NH 210, Karaikudi – Ramnad Road 73

Total 451

National Highways Development Programme Phase – V

The six laning of the following four lane stretches has been taken up by National Highway Authority of India

Name of Road	Length in Km	Present Stage
NH 5, Chennai - Tada	42	Work is in progress
NH 46, Krishnagiri - Walaja	147	Tender stage
NH 4, Poonamallee - Walaja	92	Preparation of Feasibility report is in progress
NH 7, Athipalli - Krishnagiri	61	
NH 45, Tambaram - Tindivanam	93	

Chennai Bypass

Under phase-I, Chennai Bypass road was constructed from Tambaram to Maduravoyal for a length of 19 Km during 2002 with two-lane carriageway at an estimated cost of Rs.75 crores. The widening of Chennai bypass (phase-I) into four lane including service roads and formation of new bypass from Maduravoyal (NH-4) to Puzhal (NH-5) has been taken up under phase-II for a length of 13 Km by NHAI at a total cost of Rs. 405 crores. Widening of Chennai bypass (phase-I) into four lane has been completed. NHAI is taking action to complete the balance works during this year.

Improvement of East Coast Road

6.2.1-East Coast Road runs for a total length of 765 km from Chennai to Kanyakumari. In Phase-I, road stretch for 166 Km from Chennai to Cuddalore was widened to two lane at a cost of Rs.102 Crores funded by Asian Development Bank and put to use. Of this, the road from Chennai to Akkarai is maintained by Highways Department. The stretch from Akkarai to Puducherry State border for a length of 113 Km is being maintained by Tamil Nadu Road Development Company as toll road. Considering the heavy traffic intensity in the ECR from Chennai to Puducherry State border and to avoid accidents,

Government have ordered to study the feasibility for widening the road to four lane with due consideration to Environment and Social factors. Based on this, Tamil Nadu Road Development Company has taken up the feasibility study for widening the road to four lane. The Government have allotted Rs. 63.00 lakhs for the preparation of feasibility report and for undertaking environmental assessment. The Government have decided to take up further action on obtaining the feasibility report for improving the road.

East Coast Road from Puduchery to Nagapattinam has been upgraded as National Highways (NH45A). The entire single lane stretches in this road will be taken up for widening to double lane. The Government have decided to widen the road to two lane and improve the balance stretch of ECR from Thoothukudi – Kanyakumari for a length of 120 Km at an estimated cost of Rs. 190 Crores. Action will be taken to prepare Detailed Project Report and take up the works during current year.
