

### **11.3.2 TRANSPORT SERVICES & INFRASTRUCTURE**

Tamilnadu ranks second in terms of transport network in the country. The State utilises all the three modes of major transporting systems viz., Roadways, Waterways & Airways in an effective manner. The State is also well connected globally by means of International Seaports and Airports.

Tamilnadu is in the forefront in the country in providing an efficient transport service to the people. Rail and Road are the dominant modes of transport in Tamil Nadu. Railways provide track services for bulk movement of essential commodities and passenger transport. Road transport provides long distance services for other commodities besides taking up the medium haul and short haul traffic including feeder and distribution activities. Road transport offers advantages of lower cost for short hauls as well as flexibility in operation. Road transport is the dominant mode of transport in India and it plays a pivotal role in supporting economic and social development in the State.

#### *Road Transport*

The length of the road network in Tamil Nadu State is nearly 1.70 lakh Kms. The network of Government buses, private buses and mini buses covers almost every town and hamlet in Tamil Nadu. There is also an increase in other modes of transport such as; auto rickshaws, taxis, motor cars and omni buses. Further, there is also phenomenal increase in personalised vehicles like car, motor cycles, scooters etc. reflecting a change in transport demand pattern.

The Transport Department is having under its administrative control 7 State Transport Undertakings, the Tamil Nadu Transport Development Finance Corporation Ltd (TNTDFC), the Pallavan Transport Consultancy Services Ltd (P.T.C.S), the Institute of Road Transport (I.R.T.) Chennai and the Motor Vehicles Maintenance Department (MVMD). The functions and activities of the above departments / organisations are outlined below.

#### **A) State Transport Undertakings (STUs)**

Till 1971, Transport operations in the State were under the administrative control of Tamil Nadu State Government. After 1971, this was entrusted to the various Transport Corporations registered under the Companies Act, 1956. The Pattabiraman Committee in 1976 and the Thillainayagam Committee in 1990 have suggested various recommendations for the improvement of the State Transport Undertakings and they were implemented wherever possible. At present, Tamil Nadu has seven Transport Corporations and they are:- (1) Metropolitan Transport Corporation Ltd., (2) State Express Transport Corporation Ltd., (3) Tamil Nadu State Transport Corporation Ltd., Villupuram, (4) Tamil Nadu State Transport Corporation Ltd, Salem, (5) Tamil Nadu State Transport Corporation Ltd., Coimbatore, (6) Tamil Nadu State Transport Corporation Ltd., Kumbakonam and (7) Tamil Nadu State Transport Corporation Ltd., Madurai.

#### *Performance of State Transport Undertakings(STUs)*

The total fleet strength operated under the public sector undertakings in the State is 16773 buses as on 31.01.2005. Out of this, Moffussil buses constitute 5851

### 11.3.2 Transport Services & Infrastructure

(35% of total fleet), Town and Metro buses 8150 (49%), Ghat buses 524 (3%), Express Buses 795 (5%) and spare buses 1453. The efficiency of public transport in terms of kilometre operated per day had increased from 61.25 lakh kms. in 2001-'02 to 64.84 lakh kms. in 2003-'04. The total revenue earned by the STUs has also improved from Rs.2921.60 crores in 2001-'02 to Rs.3362.58 crores in 2003-'04. In 2004-'05, the total revenue collection is Rs.3024.82 crores (as on January 2005).

The Government of India periodically revises the price of the petroleum products depending upon the varying global prices. Due to frequent increase in HSD oil price, it is estimated that the expenditure on consumption of diesel for the STUs will go up from Rs.1171.07 crores in the year 2003- 2004 to Rs.1119.77 crores in the year 2004 - 2005. The establishment expenditure which was Rs.388 crores in the year 1991-92 is estimated to be of the order of Rs.1230.82 crores in 2004-05.

The performance of STUs during 2002-'03, 2003-'04 and 2004-'05 may be seen at a glance from the Table below.

<b>Item</b>	<b>2002-03</b>	<b>2003-04</b>	<b>2004-05 (Jan 2005)</b>
Total Cost (Rs. in crores)	3231.32	3360.21	3008.73
Total Revenue (Rs. in crores)	3235.53	3362.58	3024.82
HSD Cost (Rs. in crores)	1060.27	1171.07	1119.77
Estt. Cost (Rs. in crores)	1367.17	1403.28	1230.82
Fleet strength (Nos)	16670	16664	16773

Source : Performance Budget (2005 -06)

The number of transport services operated as on 31<sup>st</sup> January 2005 are as shown in the table below:

Chennai Metro – City services (Nos.)	2554
Town Services (in Districts) (Nos.)	5596
Mofussil services (Nos.)	5851
Express services Inside State (Nos.)	522
Outside State (Nos.)	273
Ghat services (Nos.)	524
Total (Nos.)	15320
Spare buses	1453
Total Fleet Strength	16773
2) Total Kilometre operated per day	64.84 (lakh Km.)
3) Total Passengers carried per day	166.19 (in lakhs)
4) % Fleet utilisation	92.36 %

Source : Policy Note 2005 -06

### 11.3.2 Transport Services & Infrastructure

The Tamil Nadu State Transport Corporations has programmed to replace 1325 buses in 2004-05 and 2000 additional buses will be replaced during the next financial year. During 2004-05, 24 lakhs students were benefited by availing free school bus passes and 50% concessional travel bus passes.

The seven Tamil Nadu State Transport Corporations have entered into an agreement with I.O.C. and another two corporations for supply of High Speed diesel at a concessional rate. According to the TOR, the Oil Corporations have agreed to extend a concession of Rs.700/- per kilo litre with effect from 1.10.2003 to 31.3.2005. By way of this discount, the Tamil Nadu STUs saved an amount of Rs. 30 crores during the period from April 2004 to January 2005 on the fuel cost. The STUs have earned an overall profit of Rs.2.38 crores during 2003-04 and the profit for the year 2004-05 would be Rs.16.09 crores.

#### **B) Tamilnadu Transport Development Finance Corporation Ltd. (TDFC)**

The Tamilnadu Transport Development Finance Corporation Ltd. (TDFC) has been playing a major role in the development of bus passenger transport industry and has been serving as a nodal agency to relieve the Government from the burden of providing State budgetary support to all the State Transport Undertakings in Tamilnadu State. TDFC has gained public confidence and also achieved a steady growth in generating deposits. TDFC has been registered as a Non-banking finance company with the RBI and classified as a Hire Purchase Company. The deposits of TDFC which stood at Rs.1.31 crores in 1975 increased to Rs.680.67 crores as on 31.01.2005. The financial assistance extended by TDFC, since its inception upto 31.01.2005 is Rs.5,468.34 crores. With the financial assistance extended by the TDFC, the STUs have so far purchased 33,846 new buses. The financial requirements of all State Transport Undertakings have been fully met by the TDFC Ltd. TDFC has a good track record of earning profit every year, since its inception.

#### **C) Pallavan Transport Consultancy Services Ltd. (PTCS)**

The Pallavan Transport Consultancy Services Ltd., (PTCS) was Established in 1984 as a wholly owned company of Government of Tamilnadu with an authorised capital of Rs.5 lakhs and paid up capital of Rs.2 lakhs. Subsequently, in May 2000, the paid up share capital has increased to Rs 10 lakhs with an authorised share capital of Rs.50 lakhs. PTCS Ltd. offers consultancy assignments in the areas of Software Development, Management, Information Technology, Traffic, transportation, etc.

#### **D) Institute of Road Transport (IRT)**

The Institute of Road Transport (IRT) is a registered Society under the Indian Societies Act, 1860. The Institute has a capital fund of Rs.102 crores comprising of interest free loans from the State Transport Undertaking Employees Investment Fund in TDFC and the interest so obtained is being used for the operations of IRT. The main activities of IRT are: Transport research, training, testing of automobile components, etc. The Automobile Research Oriented Engineering College known as Institute of Road and Transport Technology was established in 1984 under the aegis of IRT. The Perundurai Medical College and Research Centre was established in 1986 and the three Polytechnics started by IRT are functioning at Chromepet, Bargur and Tirunelveli since 1992-'93. IRT is also running Driver Training Centres at Gummidipoondi and 14 Regional Centres in Heavy vehicles driving and upto 2003-04, 38295 persons were trained as Heavy Vehicle Drivers (HVD) and during the

### 11.3.2 Transport Services & Infrastructure

year 2004–05, 1027 candidates have undergone HVD training course. The Institute is also imparting training for driving Light Motor Vehicles. The Institute has identified a land in Suthumalli village in Tirunelveli district for starting a Driver-Training Centre for the benefit of Southern Districts. The Institute has also procured 10.17 acres of land at a total cost of Rs.19.92 lakhs in Tirunelveli District to start a new Driving Training Centre.

#### Present Status of the Sector

##### a) Vehicle population in Tamilnadu state

The State is endowed with a well developed transport system. Vehicle population in the State has been increasing over the years because of increasing incomes, urbanisation, preference for personalised mode of transport and easy availability of credit for vehicle purchase etc. There has been tremendous growth in number of registered vehicles in Tamil Nadu due to rapid urbanisation and faster economic development. The registered motor vehicle population in the State increased by 5.43 lakh numbers from 62.09 lakhs in 2002-03 to 67.52 lakhs in 2003-'04.

The vehicular position as on 1<sup>st</sup> January 2004 in the State is indicated in the table below.

<b>Vehicular Position in Tamil Nadu as on 01.01.2004</b>			
Transport		Non Transport	
<i>(a) State Carriages</i>		<i>(a) Two Wheelers</i>	
Public (STU)	17038	Motor Cycle	2134178
Private	6285	Scooter	975273
Mini bus	3834	Mopeds	2830884
Total	23323	Total	5940335
<i>(b) Contract Carriages</i>		<i>(b) Three &amp; Four Wheelers</i>	
Autorickshaw	121561	Motor Car	603082
(Chennai city: 39741)		Jeep	39705
Ordinary Taxi	1187	Tricycle Auto	4109
Motor Cab (SP)	34482	Station Wagon	2473
Motor Cab (AIP)	4838	Tractor	78854
Maxi Cab (SP)	23480	Three Wheeler	29847
Maxi Cab (AIP)	741	Four Wheeler	6675
Omni Bus (SP)	312	Road Roller	567
Omni Bus (AIP)	147	Others	17330
Total	186748	Total	6722977
<i>(c) Others</i>			
Private Service Vehicles	4298		
School bus *	5846		
Ambulance	2885		
Fire fighter	804		
Total	13833		
<i>(d) Goods Carriages</i>		Transport & Non transport	
Lorries	108228	Transport	482870
National Permit Lorries	26536	Non Transport	6722977
Tractor & Trailer	41027	State Total	7205847
Light Commercial Vehicles	70105		
Articulated Vehicles	9236		
Total	255132		
Grand Total	482870		

### 11.3.2 Transport Services & Infrastructure

Source :- Transport department

#### Growth of Vehicles on Roads in Tamilnadu State

Year	Transport Vehicles	Non-Transport Vehicles		Total Vehicles
		Two Wheelers	Others	
1	2	3	4	5
1998	344244	2816820	453184	3614248
1999	368922	3214068	487744	4070734
2000	399300	3679525	528403	4607228
2001	421365	4163002	577715	5162082
2002	432106	4600565	625426	5658097
2003	457448	5073643	677946	6209037
2004	472172	5547755	732546	6752473
2005 *	482870	5940335	782642	7205847

\*Provisional

Source :- Transport department

#### b) Growth of Transport Revenue in Tamil Nadu State

The Transport Department is a major revenue earning department of the State Government. The total revenue earned by the department in the past seven years through taxes and fees and revenue upto and inclusive of 2005 - 2006 are indicated in the table below.

#### Growth of Transport Revenue -Tamilnadu

Year	Rs. in crores
1999 - 00	581.45
2000 - 01	592.37
2001 - 02	648.43
2002 - 03	750.00
2003 - 04	931.24
2004 - 05	1020.02
2005-06 *	1134.69

\* Provisional

Source : Transport Department

#### Annual Plan 2005- '06

The ongoing programmes / schemes for the Annual Plan 2005-'06 relating to Transport Sector are outlined in the following paragraphs.

##### (1) Motor Vehicle Maintenance Department (MVMD) :

Tamil Nadu Motor Vehicles Maintenance Department (MVMD) is a service oriented department undertaking maintenance/ repairs of all Government departmental vehicles spread over in the State. This department is responsible for the maintenance and upkeep of about 10,000 vehicles. There are 20 Government Automobile Workshops in the District Headquarters throughout the State and one

### 11.3.2 Transport Services & Infrastructure

Service Station is functioning at Secretariat for this purpose. There are three Regional Deputy Directorates, one each at Chennai, Salem and Madurai working for an effective supervision and functioning of the works at these workshops. This department is also operating 10 consumer fuel bunkers for the supply of fuel and other lubricants to the State Government departmental vehicles. The Tenth Five Year Plan outlay for this department is Rs.10 crores (Rs.9 crores is for on-going schemes and Rs.1 crore for new schemes). For the year 2003-'04, an expenditure of Rs.198.48 lakhs was incurred by this department. As against the budget provision of Rs.258.86 lakhs for the year 2004-'05, the expenditure anticipated is Rs.233.22 lakhs. An outlay of Rs.271.93 lakhs has been proposed for the year 2005-'06.

The outlay for the Part- II (New) Schemes for the year 2005-'06 for Motor Vehicles Maintenance Department (MVMD) is shown in the table below.

#### Part- II (New) Schemes for the year 2005-'06 for MVMD

Sl. No.	Name of the scheme	Cost in 2005-'06 (Rs. in lakhs)
1	Development of Application software (Phase-I) for Motor Vehicles Maintenance Department	10.00
2.	Provision of copy printer in the Directorate of Motor Vehicles Maintenance Department	3.25
3.	Replacement of Old Furniture in the Directorate of Motor Vehicles Maintenance Department	1.00
4.	Provision of Xerox Machine to Regional Deputy Directorate at Salem	2.00
5.	Provision of Electronic State of Art Telephone Exchange (EPABX) in the Directorate	3.50
	<b>Total</b>	<b>19.75</b>

#### (2) Road Safety Fund

The proceeds from compounding fees and spot finances collected by the Transport / Police Department would go to the Road Safety Fund which is then utilised for undertaking Road Safety Schemes / Measures.

#### Road Safety Fund-Tamil Nadu

Year	Amount allocated to the Fund (Rs. in crores)
2000-01	2.00
2001-02	3.75
2002-03	5.00
2003-04	5.00
2004-05	5.00
2005-06	6.00

### 11.3.2 Transport Services & Infrastructure

For the year 2003-'04, an expenditure of Rs.416.18 lakhs was incurred. As against the Budget Estimate of Rs.500 lakhs for the year 2004-'05, the expenditure anticipated is the same.

An outlay of Rs.600 lakhs is proposed for Road Safety programme for the year 2005-'06.

#### *(3) Establishment charges for Project Management Group for implementation of Tamil Nadu Road Sector Project*

An outlay of Rs.322.76 lakhs is proposed for the year 2005-'06 towards the establishment charges for Project Management Group for implementation of the Tamil Nadu Road Sector Project.

#### *4) E-governance in Transport Department*

RTO's office provides various services like registration of vehicles, driving licence, permit for transport vehicles etc. The registration / licence done by one State is valid throughout India. Hence to maintain interoperability, common data structure has been prescribed and it is used by the proposed software given by the NIC. This software has better workflow coverage for the office and full tracking of every process is maintained. It is now proposed to cover the entire State under this project in a phased programme and they are (i) Converting existing offices (15 +STA) to the NIC pattern by strengthening the hardware/ software infrastructure. (ii) Provision of hardware/ software/ infrastructure for balance RTOs, (iii) Covering the link offices like zones, Government and STAT, (iv) Back log data entry (2001 to 2003), (v) Training and support services (Change Management) and (vi) Introduction of Smart Card. As against the Budget Provision of Rs.500 lakhs, the expenditure anticipated will be Rs, 700 lakhs for the year 2004 -'05.

An outlay of Rs.700 lakhs has been proposed for the year 2005-'06 for the implementation of e-governance programme in the State.

### **Other Schemes**

#### **Sethusamudram Ship Canal Project**

Sethusamudram Ship Canal Project envisages excavation of an artificial ship canal close to Rameswaram island to connect the Palk Bay and Gulf of Mannar. This project is expected to reduce the sea distance between the East Coast and the West Coast of India by more than 400 nautical miles and 36 hours of ship time. The initial alignment of this canal was through the Eastern part of Rameswaram Island. The Government of India have nominated M/s. National Environmental Engineering Research Institute (NEERI) Nagpur to conduct an Environment Impact Assessment and suggest the best alignment with least environment impact. Now, the NEERI, Nagpur has finalised the alignment of Sethusamudram Ship Canal Project route from Tuticorin to Adams Bridge (Near Rameswaram). Further studies are taken up by M/s. Tuticorin Port Trust, as a nodal agency, on behalf of Government of India. The Government of India has set up the Sethusamudram Corporation Limited on 6.12.2004 for this purpose. The work is in progress.

## 11.3.2 Transport Services &amp; Infrastructure

**Annual Plan 2005--06 - Road Transport Services**

The Annual Plan Outlay for the Road Transport Services sector for the year 2005-'06 is shown in the following table :

**Annual Plan Outlay for 2005 – '06****Road Transport Services Tamilnadu State****Abstract**

(Rs. in lakhs)

Sl. No.	Name of the Scheme	Actual Exp. 2003-'04	B.E. 2004-'05	R.E. 2004-'05	B.E. 2005-'06
I)	Road Transport				
1)	Motor Vehicles Maintenance Dept.	198.48	258.86	233.22	271.93
2)	Implementation of Road Safety Programme	416.18	500.00	500.00	600.00
3)	Establishment charges for Project Management Group for implementation of Tamil Nadu Road Sector Project	-	270.95	297.84	322.76
4)	Special Institutions in e-governance in Transport Department	-	500.00	700.00	700.00
	<b>Road Transport - Total</b>	<b>614.66</b>	<b>1529.81</b>	<b>1731.06</b>	<b>1894.69</b>
II)	Investment in Public Sector and other Undertakings  Assistance towards the share capital of all Transport Corporations and Tamil Nadu Transport Development Finance Corporation	-	0.24	0.02	0.10
III)	Other Expenditures	830.66	--	--	--
	<b>Grand Total (I to III)</b>	<b>1445.32</b>	<b>1530.05</b>	<b>1731.08</b>	<b>1894.79</b>

Source: Plan Budget Link – 2005-06 (Yellow Book)