



**PERFORMANCE BUDGET**

**2003-2004**

**HIGHWAYS DEPARTMENT**

**GOVERNMENT OF TAMIL NADU**

**2004**

**PERFORMANCE OF HIGHWAYS DEPARTMENT  
DURING 2003 - 2004**

The progress of the Nation can be made possible and visible only if Highways and Transport systems are developed, since road communication is one of the vital infrastructures for the economic development and social integration.

The Highways Department is in-charge of planning, design and construction, and maintenance of Government Roads and Bridges in Tamil Nadu.

**ROAD LENGTH**

The statistics of various Government roads in Tamil Nadu as on date are set out below:

Sl. No.	Classification	Length	Authority
1.	National Highways (NH)	3850 km	Under the control of National Highways wing
2.	State Highways (SH)	7223 km	Under the control of Highways wing [GL]
3.	Major District Roads (MDR)	7376 km	Under the control of Highways wing [GL]
4.	Other District Roads (ODR)	41156 km	Under the control of Highways wing [GL]
5.	Sugarcane Roads	1603 km	Under the control of Highways (Project I) Wing
Total		61208 km	

**DETAILS OF GOVERNMENT ROADS AS ON DATE IN TAMIL NADU GIVEN BELOW :**

**LANE WISE LENGTH**

S. No.	Category of Road	Single lane	Inter mediate lane	Double lane	Multi lane	Total
		Length in Kilometers				
1.	National Highways	142	112	3493	103	3850
2.	State Highways	1943	1002	4043	235	7223
3.	Major District roads	4705	834	1767	70	7376
4.	Other District roads	39443	986	683	44	41156
5.	Sugarcane roads	1593	--	10	-	1603
<b>Total</b>		<b>47826</b>	<b>2934</b>	<b>9996</b>	<b>452</b>	<b>61208</b>
<b>Percentage of lane width to the total length of roads</b>		<b>78.14</b>	<b>4.79</b>	<b>16.33</b>	<b>0.74</b>	

**SURFACE WISE LENGTH**

S.No	Category of Road	Cement Concrete (c.c)	Black Top (B.T)	Metalled	Total
		Length in Kilometers			
1.	National Highways	2	3848	-	<b>3850</b>
2.	State Highways	21	7202	-	<b>7223</b>
3.	Major District Roads	1	7339	36	<b>7376</b>
4.	Other District Roads	5	41115	36	<b>41156</b>
5.	Sugarcane Roads	-	1603	-	<b>1603</b>
<b>Total</b>		<b>29</b>	<b>61107</b>	<b>72</b>	<b>61208</b>

**FINANCIAL**

The Financial Allotment made in X plan period and expenditure incurred in Annual Plans 2002-03 and 2003-04 in Tamil Nadu may be seen from the table below :

Rs in Lakhs

Plan	Provisional Outlay	Approved Outlay	Expenditure
Tenth Plan 2002-2007	600000	--	--
Annual Plan 2002-03	--	97678.45	48346.00
Annual Plan 2003-04	--	97861.19	63370.54

Financial and physical targets and achievements during the year 2003 - 2004 and target for the year 2004-2005 under plan schemes are detailed below:-

**FINANCIAL**

Rupees in Lakhs

S. No.	Name of Scheme	2003-2004		2004-2005
		Budget Estimate	Expenditure	Budget Estimate
1	State Highways	471.83	3018.03	993.85
2	Major District Roads	622.41	289.88	839.09
3	Other District Roads	134.46	204.56	176.97
4	Other Roads	32.32	4.99	0.56
5	High Density Corridors	0.04	--	0.03
6	Construction of Bridges in Panchayat Union Areas	0.01	--	0.01
7	Special bridges scheme	50.00	32.06	0.11
8	Acquisition of Lands for Bypasses	0.01	--	0.01
9	Rehabilitation of Distressed Bridges on Government Roads	329.95	233.98	692.43
10	Tools and Plant	4.82	7.61	0.02
11	Construction of Quarters for Drivers and Basic Servants	8.26	2.77	2.25
12	Coastal Roads improvements programme	0.05	--	0.05
13	Improvements to the Roads in Industrial areas	41.47	12.36	0.43
14	City Traffic improvement controlled by C.E.(Gen)	0.01	--	0.01
15	Improvements to Accident Prone Spots	0.01	--	0.01
16	Pro-rata Establishment	7849.72	3758.31	5978.67
17	Improvements to Roads with loan assistance from MRL	0.01	--	0.01
18	Miscellaneous Original works	0.01	--	0.01
19	Revamped CRF	7500.00	7953.21	9500.00
20	CMDP - Traffic and Transport improvement in Chennai city	5000.00	1499.96	5000.00
21	Upgradation of IT Highway in Chennai city	200.00	--	2000.00
22	Improvement of Roads with loan assistance from HUDCO/ TUFIDCO	1100.00	499.32	722.99
23	Programme for plastic and litter free highways	25.00	12.49	25.00
24	Construction of bridges in ODRs for unbridged crossings	--	--	600.00
25	Improvement to ODR (Bus Routes) with HUDCO loan assistance	--	7491.23	6000.00
26	Hill Area Development Programme	182.64	216.39	300.00

S. No.	Name of Scheme	2003-2004		2004-2005 Budget Estimate
		Budget Estimate	Expenditure	
27	Investigation / Estimation of Project Work under Roads and Bridges	200.00	80.57	200.00
28	Western Ghats Development Programme	64.36	42.15	0.16
29	Improvement of Radial Roads under HUDCO- loan component	--	262.00	--
30	Margin Money to Chennai Metropolitan Development Authority for Radial Roads leading to Chennai City.	1374.15	-126.63	400.00
31	Improvement of Other District Roads under savings from TIDCO bonds	--	361.00	--
32	Improvement of Chennai Corporation bus routes	--	199.99	0.01
33	Tamil Nadu Road Sector Project.	27172.00	1834.00	50000.00
34	Establishment Charges of special revenue staff for implementation of PMG	63.37	90.01	94.46
35	Establishment charges of special environment staff for implementation of PMG	13.48	9.82	13.80
36	Establishment charges for PMG for implementation of TNRSP	--	--	270.95
37	East Coast Road Works	0.01	--	0.01
38	National Highways Urban	0.03	--	0.03
39	Tribal Sub-Plan	0.25	3.88	0.25
40	Establishment charges for Rural Roads office	89.89	63.02	87.36
41	Rural Roads Scheme	8000.10	3645.89	4500.24
42	Minimum Needs Programme Bus Route Roads improvements scheme	2000.10	2266.29	2500.10
43	Minimum Needs Programme Special component Plan	2500.10	1137.89	1505.00
44	Improvement of roads with assistance from Govt. of India under Inter-State and Economic Importance Scheme	224.38	207.39	0.03
45	Improvements to MDRs and ODRs with loan assistance from NABARD	12000.01	11953.52	9800.00
46	NABARD-Direction and Administration	222.28	179.63	232.57
47	Tamil Nadu Agricultural Development Project Roads in Marketing Centres	0.08	0.08	0.01

S. No.	Name of Scheme	2003-2004		2004-2005 Budget Estimate
		Budget Estimate	Expenditure	
48	Tamil Nadu Agricultural Development Project Cyclone affected road reconstruction	64.91	0.56	55.55
49	Tamil Nadu Urban Development Project Works	2273.00	973.21	1500.38
50	Road Over/Under Bridges	1311.21	986.92	645.73
51	Chennai Urban Development Project	0.22	--	0.07
52	Integrated City Development Project	0.09	257.97	0.08
53	E & I Scheme: Construction of interchange at the junction of Pondy-Krishnagiri road	0.01	--	0.01
54	Construction of ROB in Chennai Metro Area for Traffic Management	--	--	1000.00
55	City Traffic Improvement works (Tiruppur ring road)	0.07	--	0.07
56	Construction of 106 bridges under HUDCO- loan component	--	123.34	--
57	Margin Money to TNSCC for Construction of Bridges under HUDCO	3430.56	3815.19	2981.37
58	Construction / Reconstruction of bridges with loan assistance from HUDCO	2000.00	428.0	1500.00
59	Madurai Radial Roads	6755.00	4433.0	3388.16
60	Construction of ROB/RUB with loan assistance from HUDCO	4546.00	4902.2	4200.00
61	Bus route improvement in Chennai Metro Area	--	--	100.00
62	Missing links in Chennai Metro Area	--	--	500.00
63	Construction of bridges in Cauvery Delta districts with NABARD loan assistance	--	--	1400.00
64	Research and Development	2.49	2.41	8.89
65	Institute of Highways Research and Management	0.01	--	0.01
<b>Grand Total</b>		<b>97861.19</b>	<b>63370.54</b>	<b>119717.81</b>

**PHYSICAL**

S. No.	Name of Scheme	2003- 2004		2004-2005	
		Achievements		Targets	
		Bridges/ Culverts in Nos.	Roads length in km.	Bridges/ Culverts in Nos.	Roads length in km.
1.	State Highways	8	3.00	33	77.30
2.	Major District Roads	5	-	22	121.70
3.	Other District Roads	-	5.60	156	--
4.	Other Roads	-	--	1	--
5.	Industrial roads	1	--	--	--
6.	Rural Roads Scheme	12	183.65	6	400.00
7.	Special Component Plan	1	58.17	5	175.00
8.	Bus Route Roads improvements scheme.	7	80.86	10	225.00
9.	Tamil Nadu Urban Development Project	--	--	--	5.00
10.	Road Over/Under Bridges	1	-	2	-
11.	Tamil Nadu Agricultural Development Programme	--	-	1	-
12.	106 bridges	3	-	1	-
13.	Sugarcane roads	-	145.00	-	269.00
14.	Madurai Radial Roads	-	76.50	1	48.86
15.	NABARD loan assistance- ODRs	115	800.00	93	570.00
16.	Chennai Radial Roads	1	0.14	--	3.43
17.	HUDCO assistance 60 bridges	8	-	12	-
18.	HUDCO assistance ROBs/RUBs	-	-	14	-
19.	Revamped CRF	-	404.18	49	821.32
20.	HUDCO and TUFIDCO loan assisted roads	--	-	4	34.40
21.	Other District Roads (Bus Route)	--	1661.16	--	1416.43
22.	Construction of bridges in Cauvery Delta districts with NABARD loan assistance	--	--	17	--
23.	CMDP - Traffic and Transport improvement in Chennai city	--	--	--	67.52
24.	Improvement of roads with assistance from Govt. of India under Inter-State and Economic Importance Scheme	2	7.40	--	--

## NON-PLAN

The main objective is to ensure proper upkeep of Government roads by utilising annual provisions under "Non-Plan". The allocation and expenditure incurred during 2003-2004 for maintenance of roads viz., State Highways, Major District Roads, Other District Roads, Sugarcane roads and Chennai Corporation Bus Route Roads and allocation for the year 2004-2005 are here under:

## FINANCIAL

Rs. in lakhs

Name of Scheme	2003-2004		2004-2005
	Budget Estimate	Expenditure	Budget Estimate
National Highways (Urban)	100.00	100.00	100.00
State Highways	2955.71	6026.58	7132.00
Major District Roads	4534.82	6005.68	6200.00
Other District Roads	16165.47	18257.57	25768.00
City Roads	600.00	600.00	600.00
Special Repairs to State Highways affected by flood and cyclone	0.01	--	0.01
Sugar cane roads	500.00	399.31	1500.00
Chennai city roads with financial assistance from Chennai Corporation	1000.00	308.51	900.00
<b>Total</b>	<b>25856.01</b>	<b>31697.65</b>	<b>42200.01</b>

## PART-II SCHEMES

Part II schemes for 2003-2004 provided for construction of 14 bridges on State Highways at an ultimate cost of Rs.5.03 crores and 12 bridges on Major District Roads at an ultimate cost of Rs.3.97 crores. Out of the above works, 5 bridge works on State Highways and 5 bridge works on Major District Roads have been completed and the balance works are programmed to be completed during 2004-2005.

## IMPROVEMENT TO OTHER DISTRICT ROADS (BUS ROUTES)

In the year 2003-04, improvement of roads unfit for Bus Route for a length of 3000 km at a cost of Rs. 150 Crores have been taken up. Out of this, 1661 km of road works have been completed and the balance works are in progress.

The expenditure on these works during 2003-2004 is Rs.7491.23 Lakhs.



## **PLAN SCHEMES**

During the year 2003-2004 an amount of Rs. 978.61 Crores was provided in the Budget Estimate for all the wings of Highways Department and the expenditure incurred under Plan Schemes is Rs.633.71 Crores.

## **TAMIL NADU URBAN DEVELOPMENT PROJECT**

The Tamil Nadu Urban Development Project Works are contemplated in 10 Major Cities and Towns. These works are being executed from 1988-89 with World Bank loan assistance. By 30.9.97 the loan assistance was terminated by World Bank and Balance works are being completed from State Funds. 30 works have been completed with World Bank loan assistance and 9 works with state funds and HUDCO loan assistance have been completed.

In Southern Sector of Inner Ring Road, Land Acquisition for forming this road from km 0/0-5/0 is in an advanced stage. Formation of road in the reaches where land acquisition is completed will be started shortly.

The expenditure on these works during 2003-2004 is Rs.973.21 Lakhs.

## **MADURAI RADIAL ROADS**

Out of 125.36 km length of roads taken up for improvements, 76.50 km length have been completed and the balance 48.86 km length of roads will be completed during 2004-2005.

The expenditure incurred during 2003-2004 is Rs.4433.06 lakhs

## **ROAD OVER / UNDER BRIDGES IN LIEU OF EXISTING LEVEL CROSSINGS**

Out of the 6 works undertaken 3 works (St.Thomas Mount RUB, Uthamarkoil ROB and Srirangam ROB) have already been completed. The Road Over Bridge at Thennur (LC No.84) has been completed during this year. The remaining 2 Road Over Bridge works viz., MIT gate(LC No.28) and Palakkarai (LC No.85) are in progress and will be completed during 2004-2005.

The expenditure on these works during 2003 – 2004 is Rs.986.92 lakhs.

Out of the 36 works sanctioned under HUDCO loan assistance, 24 works are in progress and the balance works are in various stages of implementation.

The expenditure on these works during 2003 – 2004 is Rs.4902.22 lakhs.

## **TAMIL NADU ROAD SECTOR PROJECT**

The Government of Tamil Nadu established Tamil Nadu Road Sector Project with the assistance of the World Bank to improve and maintain state roads of about 727 km and 2000 km respectively. World Bank rendered Technical loan assistance (in Loan No.4114) towards

project preparation. With the completion of the project preparation, World Bank sanctioned the project loan (in Loan No.4706) for implementation. The Loan agreement and Project agreement, were signed with the World Bank on 28.08.2003. The project cost is Rs.2160 crores of which Rs.1670 crores will be funded by the World Bank.

The upgradation and strengthening component of State roads encompasses Northern Corridor from Arcot to Tiruvarur in contract package TNRSP 01 and Eastern corridor from Nagapattinam to Tuticorin in contract package TNRSP 02, 03, 04 inclusive of bypasses. The bids for these packages have been received and evaluated. The selection of two supervisory consultants for the works of Eastern and Northern Corridors have been finalised.

The maintenance of first year road works of 700 km at a value of Rs.214.72 crores will be carried out in 17- contract packages. Bids have been invited adopting National Competitive Bidding and evaluation is in progress. The works are scheduled to be completed in 12 months with the direct supervision of Department Engineers. However, another consultant will be appointed to review quality assurance measures. The consultancy service in respect of road safety works has been fixed for preparation of Detailed Engineering Design and Bid document.

The consultancy services for implementation of Institutional Strengthening, for implementation of Road Management System, Road Safety Policy and its Action Plan and Road User Satisfaction survey have been finalised and the consultants will be in position soon. For procurement of IT related goods for Highways Department a need analysis report has been prepared through consultant. After no objection of the World Bank, procurement of Computer hardware and software will be made.

The Land Acquisition, Resettlement and Rehabilitation works are being carried out through District Collectors and NGO's respectively. The Contractors and Consultants will be in position for commencement of implementation works during 2004 - 2005. MoEF's clearance has been obtained to implement the project.

The expenditure of these works for the year 2003-2004 is Rs.1834.00 lakhs.

## **IMPROVEMENTS TO GOVERNMENT ROADS UNDER NABARD LOAN ASSISTANCE**

In the past years, improvements to Major District Roads and Other District Roads, Construction/ Reconstruction of bridges on Major District Roads and Other District roads have been taken up with loan assistance from NABARD under Rural infrastructure Development Fund (RIDF) II to VIII. So far, 5418.65 km. of roads were taken up for improvements at a cost of Rs.409.82 Crores and 495 bridges were taken up for Construction/ Reconstruction at a cost of Rs.296.52 Crores.

Of the above, so far 5132.20 km. of road works and 349 bridges have been completed. Balance road and bridge works are in various stages of progress.

Against the physical target of 119 Bridges and 775 km. of roads set forth for this year (2003-2004), so far 115 bridges and 800 km. of roads have been completed.

The expenditure on these works during 2003-2004 is Rs.11953.52 lakhs.

### **106 BRIDGES SCHEME IN TAMIL NADU UNDER LOAN ASSISTANCE FROM NABARD AND HUDCO AND PART II SCHEME**

Under the RIDF.II and III of NABARD, 54 bridge works have been sanctioned at a total cost of Rs.99.19 Crores, spread all over Tamil Nadu. In another project, construction / reconstruction of 51 bridges have been taken up under HUDCO loan assistance at an ultimate cost of Rs.260.71 Crores during 1997 – 98. During 1998 – 99 rehabilitation of 2 distressed bridges have also been taken up under Part –II Scheme at an ultimate cost of Rs.1.10 Crores. These bridges constitute a group of 107 bridges at a cost of Rs.361 Crores. These 107 bridges were spilt into 17 packages and entrusted on TURNKEY basis for execution. Till the end of 2003 - 2004, 104 bridges have been completed and the balance 3 bridge works are in progress, which will be completed soon.

### **CONSTRUCTION / RECONSTRUCTION OF 60 BRIDGES WITH LOAN ASSISTANCE FROM HUDCO**

The Government have sanctioned a sum of Rs.60 crores for construction/reconstruction of 60 bridges with loan assistance from HUDCO during 2001. For this HUDCO has sanctioned a loan of Rs.9 crores. Of the above bridges, 22 bridges have been completed and balance bridge works are in good progress. The expenditure during this year is Rs.428.01 lakhs.

### **CHENNAI METROPOLITAN DEVELOPMENT PLAN**

Under this plan, a provision of Rs.50 Crores was made for Traffic and Transport Improvement in Chennai City. Approval was accorded for 28 works at a cost of Rs.30.35 Crores and 27 works at a cost of Rs.19.53 Crores. These works were entrusted and the works are in good progress.

The expenditure for these works during 2003-2004 is Rs.1499.96 lakhs.

### **RURAL ROADS SCHEME**

The road connectivity programme to villages having population between 500-1000 is under good progress. During 2003-2004, an amount of Rs.80 crores has been allotted for improving 250 km of roads and constructing 12 bridges to give connectivity to 120 villages. Of

these, 183.65 km of roads have been improved and 12 bridge works have been completed. Till the end of 2003-2004, 824 villages have been given road connectivity.

The expenditure during 2003-2004 is Rs.3645.89 lakhs.

### **SPECIAL COMPONENT PLAN**

Under this scheme, roads have been formed and improved to connect villages in which the Adi Dravidar population is more than 50% of the total population.

During 2003-2004, an amount of Rs.14 crores has been allotted for improving 110 km of roads and constructing 2 bridges to give road connectivity to 50 villages. Of these 58.17 km of roads and 1 bridge work have been completed. Till the end of 2003-2004, 268 villages have been given connectivity.

The expenditure during 2003-2004 is Rs.1137.89 lakhs.

### **BUS ROUTE IMPROVEMENTS SCHEME**

Under this scheme, the Panchayat and Panchayat Union roads in which buses have been plying for more than three years are taken up for improvement.

During 2003-2004 an amount of Rs.24 crores has been allotted for improving 180 km of roads and constructing 6 bridges. Of these, 80.60 km of roads and 7 bridge works have been completed.

The expenditure during 2003-2004 is Rs.2266.29 lakhs.

### **CENTRALLY SPONSORED E & I SCHEME:**

The Government of India have accorded Technical approval and Financial Sanction for construction of 2 bridge works and Improving 1 road work under the above scheme for Rs.2.23 crores. All the works have been completed.

### **TAMIL NADU AGRICULTURAL DEVELOPMENT PROJECT WITH WORLD BANK ASSISTANCE**

#### **A) MARKETING CENTRE ROADS**

This project envisages improvements to 859 km of roads leading to 23 Marketing Centres in 9 districts (viz. Kanchipuram, Vellore, Salem, Villupuram, Perambalur, Thanjavur, Tiruvarur, Tiruchirapalli, and Nagapattinam) at a total cost of Rs.109 Crores under World Bank Loan Assistance. All the works have been completed.

## **B) REHABILITATION AND RENOVATION OF FLOOD AND CYCLONE DAMAGED ROAD AND BRIDGE WORKS**

Rehabilitation and Renovation work on 12 Flood and Cyclone damaged roads and 24 bridges have been taken up at a cost of Rs.21 Crores. 12 road works and 23 bridge works have been completed till the end of 2002 – 2003. The balance 1 bridge work is in progress.

### **SUGARCANE ROAD DEVELOPMENT SCHEME**

Under this scheme, the formation and improvement of roads in Sugar Mill Areas have been taken up from Sugar cane Cess Fund. So far, a total length of 1603 km roads were classified as Government Other District Roads and taken up for maintenance. During 2003–2004, 145 km of roads were improved.

### **NATIONAL HIGHWAYS SCHEME**

The National Highways are the properties of Government of India. The Maintenance and improvement works on National Highways are wholly financed by Government of India from their funds.

### **NATIONAL HIGHWAYS-ORIGINAL WORKS**

Under the available bank of sanction for the Annual Plan 2003-04, the Government of India have accorded sanction for taking up of 72 works costing Rs.89.82 Crores for the development of National Highways in Tamil Nadu.

During 2003-2004, 57 Nos. original works have been completed. On the whole, 48.42 km length of road under improvements to riding quality, 126.67 km length of strengthening of weak two lane stretches, 68 km of widening single lane to double lane and Construction of 7 Minor Bridges have been completed.

The expenditure for 2003-2004 is Rs.80.25 Crores.

### **CENTRAL ROAD FUND WORKS**

The Government of India, through an Act of Parliament have set up a Central Road Fund with the accruals from the Special Cess levied on Petrol and Diesel. From this fund, around 15% is distributed to states. From the year 2000-2001 onwards, the Government of India have fixed an year-wise allocation of Rs.67.03 crores under Revamped Central Road Fund for Tamil Nadu.

The Government of India have accorded Administrative Approval for Rs.149.50 crores for 254 works under Central Road Fund scheme for the year 2000-2001. Further, Administrative Sanction has been accorded for Rs.6 crores for the work of Reconstruction of

collapsed bridge across Vettar River at km 186/6-8 of NH-45 A extension (Pondy - Nagapattinam section). All these works have now been completed.

During 2002-2003, the Government of India have accorded Administrative Approval and the Government of Tamil Nadu have accorded Financial Sanction for Rs.70.43 crores for 77 works comprising 36 road works and 41 bridge works under Central Road Fund Scheme for the year 2002-2003. Out of these, 16 works have been completed and the balance works are in good progress.

During the year 2003-2004, the Government of India have accorded Administrative Approval and the Government of Tamil Nadu have accorded Financial Sanction for Rs.82 crores for 113 works comprising 105 road works and 8 bridge works. Out of these, 23 works have been completed and the balance are in progress.

### **MAINTENANCE OF GOVERNMENT ROADS**

The cost of maintenance of roads is increasing every year in view of (a) High cost of materials, (b) Increase in wages.

During 2003-2004, a budget provision of Rs.258.56 crores has been provided for maintenance of Government roads.

Further, during the Collectors' conference held during 2002, the Honourable Chief Minister has announced a massive special programme of relaying roads at a cost of Rs.90.65 crores covering a length of 1685.19 km during 2002-2003 and Rs.184.00 crores covering a length of 3863.93 km during 2003-2004. All the works have been completed.

## **TAMIL NADU MARITIME BOARD**

Tamil Nadu with its vast Coastline of about 992 kms. has 3 major ports at Chennai, Ennore and Thoothukudi and 15 minor ports at Kattupalli, Ennore Minor Port, Cuddalore, Thiruchopuram, PY-3 Oil Field, Thirukkadaiyur, Nagapattinam, Pamban, Rameswaram, Valinokkam, Punnakkayal, Manappad, Kudankulam, Kanyakumari and Colachel. Among these, Kattupalli, Ennore, Thiruchopuram, PY-3 Oil Field, Thirukkadaiyur, Punnakkayal, Manappad and Kudankulam have been declared for the captive use of Private entrepreneurs, where the development of entire infrastructure facilities are the responsibility of the company concerned.

All the minor ports in Tamil Nadu are anchorage ports, where cargoes are transhipped from the vessels at mid-stream to shore and vice versa through lighters / barges. At Ennore and Tirukkadaiyur minor ports, Liquid Ammonia and Naphtha are being transferred directly from the vessel at Buoy Mooring system to the storage tank on shore through submarine pipelines respectively.

### **EXPORT AND IMPORT OF CARGO**

The main items of cargo that are exported and imported at the minor ports are as follows:-

#### **EXPORT**

Crude Oil  
General Cargo  
Cement

#### **IMPORT**

Edible Oil  
Liquid Ammonia  
Naphtha  
Propylene Gas  
Crude Oil  
Machineries  
General Cargo

### **TAMIL NADU MARITIME BOARD ACT**

Tamil Nadu Maritime Board, constituted during March, 1997 under the Tamil Nadu Maritime Board Act, 1995 (Tamil Nadu Act 4/96) having the official representatives from various Government departments as members on its Board is now administering, controlling and managing the minor ports in Tamil Nadu.

The Tamil Nadu Maritime Board realise the close linkages between the Industry and the Ports and it encourages setting up of Captive Ports / Jetties / Moorings for the port based industries such Oil Industries and thermal power projects etc.,

### **PORT POLICY**

A port policy for the investment opportunities for the development of minor ports in Tamil Nadu has been formulated by the Government of Tamil Nadu.

**The main objectives of the Port Policy are:-**

To facilitate establishment of Port based Thermal Power Plants by providing exclusive port facilities to Import Coal / Naphtha / Oil / Natural Gas.

To provide port facilities to promote Export oriented Industries and Port based industries along the coastal districts of Tamilnadu.

To decongest Highways and Railways by providing facilities for Coastal Traffic along the East Coast.

To promote Tourism / Cruises / Coastal trade.

To provide facilities to encourage ship repairing, ship breaking and construction of floating crafts.

To decongest the Major Ports at Chennai and Thoothukudi.

**1. CUDDALORE PORT**

The Government of Tamil Nadu decided to develop Cuddalore port through private Sector participation. In this connection, Tamil Nadu Maritime Board appointed UTI Bank Ltd., / RITES Ltd., as a Technical Assistance Provider. They have prepared the Initial Screening Report, Draft Bid Document, Draft Concession Agreement and suggested Time Schedule for implementation of Cuddalore Port Development Project. Global bid will be invited soon.

**2. NAGAPATTINAM PORT**

M/s Foods, Fats and Fertilizers Ltd., constructed Edible Oil Storage Terminal at Nagapattinam Port in 1999. Edible oil vessels are regularly calling at this port. During the current financial year 25,638 MTs. of Edible Oil and Crude Palm Oil has been handled through 10 vessels. To further promote the port activity, two plots of land were allotted to private entrepreneurs for construction of Marine Facilities for handling Edible Oil.

M/s. Chennai Petroleum Corporation Ltd., Chennai has constructed a RCC jetty within Nagapattinam port limits with an approach trestle so as to handle 4 Lakhs MTs. of Crude Oil per annum for their refinery at Panangudi. The first vessel arrived at this port on 15.2.2003 and discharged 12,520 MTs. of Crude Oil. During the current financial year, 23 vessels called at this port and 2,79,174 MTs. of Crude oil has been discharged.

After a gap of 13 years Cement has been exported through this port by M/s. Ramco Cements in the current financial year. The quantity of Cargo exported to Sri-lanka is 2063 MTs.



For the development of Nagapattinam Port, it was found that the strengthening and extension of break waters, deepening the channel, providing river training and dredging is essential. It is estimated that the above work would cost approximately Rs.500 lakhs. Tamil Nadu Maritime Board proposed to raise funds from HUDCO/Tuticorin Port Trust/Other Financial Institutions for the above development which is proposed to be executed in two phases.

### **3. PAMBAN PORT**

The only function at this port is to pilot the small drafted vessels of five feet passing through Pamban Channel from North to South and vice versa connecting East and West coasts of India. During the current financial year, 30 vessels were piloted at this port.

### **4. RAMESWARAM PORT**

This port had been catering to passenger service between Rameswaram and Thalaimannar operated by the Shipping Corporation of India. The service was suspended with effect from 8.1.85 due to ethnic problems in Sri Lanka. There is no activity at this port now.

### **5. VALINOKKAM PORT**

This port was earmarked for ship breaking due to its tranquil waters and low gradient. Six plots consisting of 30 acres owned by M/s. TIDCO has been transferred to Tamil Nadu Maritime Board so as to continue ship-breaking activities.

The Environment and Forest Dept. Govt. of Tamil Nadu has informed that the State Coastal Zone Management Authority has examined the proposal of setting up of ship breaking at Valinokkam and resolved not to recommend the above proposal to Government of India for environmental clearance due to possible adverse environmental impact. Hence, no ship breaking is permitted at this port.

### **6. KANYAKUMARI PORT**

This port is solely meant for facilitating ferry service between shore and Vivekananda Rock Memorial. M/s. Poompuhar Shipping Corporation Ltd., is operating the ferry service. The ferry service has now been extended to Tiruvalluvar Statue. Tamil Nadu Maritime Board is supervising the ferry service and deriving establishment charges from the Corporation. During the current financial year 15,16,571 passengers were ferried across.

### **7. COLACHEL PORT**

M/s RITES Ltd., in their Port Vision 2020 Report had identified Colachel as a suitable port for developing into a Container Hub Port. The interest shown by the Government of

Malaysia in developing this into a major Container Transshipment port has not borne fruit for want of suitable financial arrangements by them. However, considering the potential and the viability of this Project, the Government of Tamil Nadu have requested the Government of India to include the proposal of developing the Colachel port in the 'Sagar Mala' Project.

#### **8. KATTUPALLI PORT**

This port was declared for the captive use of M/s. VOPAC Sical Terminal Limited for construction of marine facilities for handling Petroleum products. The company has not been able to develop this port for the last four years due to various reasons. Hence the approval granted to them has been withdrawn and it has been decided to offer this port to interested parties under BOT/BOOT/BOOST basis.

#### **9. ENNORE MINOR PORT**

This port, consisting of the marine structure of Multiple Buoy Mooring System with submarine pipelines was developed by M/s. Coromandel Fertilizers Ltd., Chennai, for receiving Liquid Ammonia. The port is functioning since October'96.

During the current financial year, 9 vessels called at this port and 54,038 MTs. of Liquid Ammonia has been discharged.

#### **10. THIRUCHOPURAM PORT**

This port was declared for the captive use of M/s. Nagarjuna Oil Corporation Ltd., for handling 6.5 million tonnes per annum of crude oil for import and 2.8 Million tonnes per annum of Refined oil products for export in respect of their proposed oil refinery at Thiruchopuram. This port has also been notified as Customs port by the Ministry of Finance, Department of Revenue. The Ministry of Environment and Forests, Government of India have accorded environmental clearance for setting up the marine terminal facilities. The company is yet to obtain financial closure for the project.

#### **11. PY-3 OIL FIELD PORT**

This port, which is entirely situated within the sea off-shore Cuddalore, has been exclusively declared for loading of Crude oil being extracted from the oil wells situated at PY-3 Oil Field. This port is in operation from October'97.

During the current financial year 15 vessels called at this port and 1,77,506 MTs. of cargo has been handled.

## **12. TIRUKKADAIYUR PORT**

This Port was declared for the captive use of M/s. PPN Power Generating Company so as to handle Naphtha and Natural gas required for their 330 MW gas combined Cycle Power Project at Pillaiperumalnallur.

This port is operation from Jan.2001. During the current financial year, 11 vessels called at this port and 1,51,114 MTs. of Naphtha has been handled.

## **13. PUNNAKKAYAL PORT**

This is a captive port declared for the use of M/s. Dharangadara Chemical Works Limited. The commodities likely to be handled are Vinyl Chloride Monomer, Low Sulphur Heavy Stock, Liquified Petroleum Gas etc. The company is yet to finalise their financial tie-up.

## **14. MANAPPAD PORT**

The Government have declared Manappad in Thoothukudi district as a Minor Port for the captive use of M/s Indian Gas Limited, for handling 2.5 million MTs. of LNG per annum required for the proposed 2000 MW. Gas Turbine Power Project to be set up by M/s. Indian Power projects Ltd., at Vembar. The company is yet to obtain their financial tie-up. Hence, it has been planned to develop Manappad port into a general port.

## **15. KUDANKULAM PORT**

Kudankulam port was declared for the captive use of M/s Nuclear Power Corporation of India Ltd., for their proposed Nuclear Power project at Kudankulam consisting of 2 units of 1000 MW each. For the said project they have constructed a pond like structure for cooling water intake comprising of two breakwaters about 1 K.M long and 500 mtrs. apart. Besides, a RCC Jetty with necessary breakwater protection has been constructed for receiving over dimensional and heavy lift Machineries. The first consignment of project cargo was handled at this port on 15.1.2004. During the year 2003-2004, 603 MTs. of Machineries have been imported at the port.

## **TRAFFIC**

The Minor ports in Tamil Nadu handled a total cargo of 6,90,136 MTs. during the year 2003-2004.

## POOMPUHAR SHIPPING CORPORATION LTD.

M/s.Poompuhar Shipping Corporation Limited (PSC) was formed on 11.04.1974 under the Companies Act, 1956 with the objective of transporting the entire requirements of coal for the Thermal Power Stations of Tamil Nadu Electricity Board (TNEB). The coal required by TNEB is transported from the load Ports at Haldia, Paradip and Vizag and discharged at Ennore and Tuticorin Ports. PSC has acquired 3 specially designed shallow draft geared bulk carriers of 40000 DWT between August 1985 and January 1987 which are exclusively utilized for this purpose. In addition to its own three ships, PSC also charters ships from Indian and Foreign ship owners to transport the coal required by TNEB for the various Thermal Power Stations in Tamil Nadu.

The details of linkage of coal moved by own and chartered vessels are as follows:

In Lakh MT

Year	Coal Linkage	Coal Moved by Chartered vessels	Coal moved by Own vessels	Total coal moved	Achievements
2002-2003	148.50	123.73	22.39	146.12	98.40%
2003-2004	148.50	122.09	20.83	142.92	96.24%

Projection for 2004-2005

2004-2005	149.50	129.75	19.75	149.50	100%
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Physical performance of Own and Chartered Vessels for the period 2002-2003 and 2003-2004:

	2002-2003	2003-2004
<b>Chartered Vessels</b>		
No. of vessels engaged	9	8
No. of voyages	257	228
Quantity of coal moved (in Lakh MT)	123.73	122.09
Average quantity of coal moved per voyage in MT	48145	53548
<b>Own Vessels</b>		
No. of vessels	3	3
No. of voyages	57	53
Quantity of coal moved (in Lakh MT)	22.39	20.83
Average quantity of coal moved per voyage in MT	39280	39302
Total quantity moved	146.12	142.92

### **Chartered vessels improved performance**

- (i) No. of vessels chartered during 2003-2004 is reduced to 8 vessels as against 9 vessels chartered during 2002-2003. With reduced number of vessels, the quantity of coal moved is marginally less.
- (ii) Cargo carried per voyage for 2003-2004 has improved to 53548 M.T. as against 48145 M.T. during 2002-2003. Cargo carried per voyage has increased by 5403 M.T. / voyage or 11.22% increase due to chartering of higher carrying capacity vessels.

### **PERFORMANCE OF TAMIL VESSELS**

Tamil Vessels have crossed over 15 years and in spite of over aging still the owned vessels are performing satisfactorily. The owned vessels' performance has reduced to 53 voyages during the year as compared to 57 voyages in the previous year. The reduction in the number of voyages were due to non-availability of m.v. Tamil Periyar for two months and m.v. Tamil Anna for five months for major Dry-Docking Repairs.

### **FINANCIAL PERFORMANCE FOR 2003-2004**

For the year 2003-2004 PSC's estimated cash loss will be Rs.326.25 lakhs as against the cash loss of Rs.809.36 lakhs incurred in the previous year 2002-2003. The cash loss of Rs.326.25 lakhs projected for 2003-2004 is mainly due to provision of penalty for not performing 60 voyages as per Freight Agreement. As per the existing Freight Agreement interest on term loan is not included in the own vessel Freight income.

### **KANNIYAKUMARI FERRY SERVICE**

Besides transporting coal to Thermal Power Stations, PSC is also operating Ferry Services between Kanniyakumari – Ayyan Thiruvalluvar Statue-Vivekananda Rock Memorial. Presently, three passenger Ferry launches viz., M.L.Thamiraparani, M.L. Bhagirathi and M.L. Vivekananda are operated and every year nearly 15 lakhs passengers are using the ferry service to visit to Vivekananda Rock Memorial and to visit Ayyan Thiruvalluvar Statue. During the financial year 2003-2004 no. of persons using the ferry service increased to 15.16 lakhs passengers against 14.00 lakhs passengers carried in the previous year which amounts to more than 8% increase. All the revenue savings are utilized for the development of Kanniyakumari Ferry Service only. The physical and financial performance of the ferry service is given below:

	2002-2003	2003-2004
No. of Ferry in service	3	3
No. of Passenger ferried	14,00,800	15,16,571
No. of trips made	12,552	12,955
Fare collection (Rs. in lakhs)	266.60	290.32
Operation Profit (Rs. in lakhs)	80.00	86.47

#### **TAMIL NADU MARITIME ACADEMY**

The Tamil Nadu Maritime Academy was set up at Thoothukudi and the training institute was inaugurated on 16.09.1998. The Academy has so far completed Nine batches of Pre-Sea rating course. The Directorate General of Shipping, Mumbai has abolished the existing Deck/Engine ratings courses to all Indian Marine Academies with effect from 01.04.2003 and has directed to conduct revised course named as General Purpose (G.P.) rating course so that recruitment on ship can be easier and the personnel can be employed in Engine room or deck as per International practice. Now the Academy is conducting courses for each Batch of 40 nos. of General purpose crew instead of 20 nos. each for Deck & Engine Rating Trainees per batch. The Academy is also conducting Five STCW-95 modular courses namely "Personal Survival Techniques", "Elementary First Aid", "Personal Safety and Social Responsibility", "Oil Tanker Familiarization" and "Fire Prevention and Fire Fighting".

**O. PANNEERSELVAM,**  
Minister for Public Works,  
Prohibition & Excise and  
Revenue