

**FISHERIES DEPARTMENT**



**ANIMAL HUSBANDRY, DAIRYING AND  
FISHERIES DEPARTMENT**

**FISHERIES**

**POLICY NOTE**

**2012-2013**

**DEMAND NO.7**

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**Minister for Fisheries**

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**GOVERNMENT OF TAMILNADU**

**2012  
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**1. INTRODUCTION**

The Fisheries sector in Tamil Nadu plays a crucial role in the overall economic development of the State. The rich fish biodiversity of the State offers good scope for fisheries development. The Fisheries sector, which started only as a subsistence livelihood activity during the early plan period is now emerging as a vital sector, contributing to employment generation, food security and foreign exchange earnings significantly. Fish production of Tamil Nadu has shown steady growth during the 10<sup>th</sup> and 11<sup>th</sup> Five Year Plan period and it is expected that this growth would continue in the Twelfth Five Year plan also.

The major policies of the Government of Tamil Nadu are as follows:

- Improving the standard of living of the fisherfolk by implementing welfare Schemes.
- Providing social security to the fisherfolk through various relief Schemes.
- Protecting the fishing rights of the fishermen.

- Developing / strengthening the infrastructure facilities for hygienic handling and processing of fish and thereby promote export.
- Conserving the fishery resources by enforcing statutory regulations, stock enhancement and establishing artificial fish habitats.
- Managing the fishery resources by diversifying the fishermen to exploit offshore/ deep sea resources by providing financial assistance and establishing Mid sea Fish Processing Unit.
- Promoting sustainable eco-friendly aquaculture practices.

**2. AN OVERVIEW OF THE FISHERIES SECTOR**

The Fisheries sector of Tamil Nadu is broadly categorized as Marine, Inland and Brackish water. The vast fishery resources of both marine and inland waters have not yet been fully tapped.

**2.1 Marine Fisheries**

The Marine Fisheries resources of the State comprise an Exclusive Economic Zone (EEZ) of 1.9 lakh sq. Km and continental shelf of 41,412 sq. Km. The fishery resources in the inshore areas have been overfished, whereas the

offshore resources and deep sea resources are yet to be exploited to the optimum level.

A glance over the Marine Fisheries sector is given in Table-1.

**Table 1: Marine Fisheries Statistics (2011-12)**  
**At a glance**

Coastal length	1,076 km
Number of Coastal Districts	13
Number of Fishing Villages	591
Marine Fisherfolk Population	9.15 lakh *
Registered Fishing Crafts	About 6,728 Mechanized Fishing boats 56,792 Traditional Crafts (motorized and non motorized)
Major Fishing Harbours	3
Medium Fishing Harbours	3
Jetties	10
Fish Landing Centres	363
Marine Fish Production (2011-12)	4.25 lakh tons
Exports: (2011-12)	73,991Tons ** (value –Rs.2,800.81 crore)

\* Projected figure for 2012 (Census of India, 2011)

\*\* Tentative figure

## 2.2 Inland Fisheries

The Inland fishery resources of our State comprises Reservoirs, major irrigation and long seasonal tanks, short seasonal tanks and ponds which are amenable for both capture and culture

of fisheries. Table 2 provides an overview of this sector.

**Table 2: Overview of Inland Fisheries Sector**

Inland Fishery Resources	3.73 lakh hectares
Reservoirs	52,055 ha.
Large irrigation and seasonal tanks	2,65,641 ha.
Brackishwater area	56,000 ha.
Population of Inland Fishers	2.23 lakh
Fish Production (2011-12)	1.72 lakh tons

## 2.3 Brackishwater Fisheries

The total brackish water area available for aquaculture production is 56,000 hectares and shrimp culture is being undertaken in 6019.21 hectares producing 15,050 tons of shrimps valued at Rs.451 crore annually. Five Brackish water Development Agencies have been functioning in the State covering all the coastal districts other than Chennai district.

## 3. ADMINISTRATIVE SET UP

The Director of Fisheries is the Head of the Department, the Managing Director of Tamil Nadu Fisheries Development Corporation Limited, an undertaking of the Tamil Nadu Government and also the Functional Registrar of all fishermen cooperative societies including Tamil Nadu State Apex Fisheries Cooperative Federation.

The State is divided into 6 regions headed by 3 Joint Directors of Fisheries and 3 Deputy Directors of Fisheries who monitor and supervise the activities of 52 Assistant Directors of Fisheries and implement various developmental schemes including fishermen welfare schemes. In addition, a separate Engineering Wing headed by Chief Engineer with supporting staff is functioning at the head quarters.

#### **4. OBJECTIVES OF FISHERIES DEPARTMENT**

The objectives are listed below:

- To conserve the fishery wealth of the State and manage the resources for sustainable fish production.
- To encourage fishers to take up diversified fishing methods to exploit under-utilized fishery resources and to reduce fishing pressure in the inshore areas.
- To strengthen the infrastructure facilities for fish landing, processing and marketing.
- To uplift the socio-economic status of the fishers.
- To promote sustainable, eco-friendly aquaculture practices.
- To generate direct and indirect employment opportunities in Fisheries and allied activities.
- To promote Exports and thereby increase foreign exchange earnings.

#### **SCHEMES**

The prime objectives of the Department are to enhance fish production by adopting sustainable conservation of resources without compromising and to improve the socio-economic standards of the fishing community. Various schemes have been formulated to achieve the above objectives.

#### **5. MARINE FISHERIES**

##### **A. WELFARE SCHEMES**

The welfare of fisherman is always the priority for this Government. The details of various welfare Schemes are listed below:

##### **5.1 Enhanced Financial Assistance of Rs.2,000/- to Marine Fishermen Families during Fishing ban period**

The Government impose fishing ban for 45 days (i.e. from April 15<sup>th</sup> to May 29<sup>th</sup> in the East Coast region and June 15<sup>th</sup> to July 29<sup>th</sup> in the West Coast region) every year from 2001 onwards, in order to conserve the marine fishery resources. The fishermen who are engaged as crew / labourers in the fishing boats have no other source of income during the ban period which leads to much hardship in maintaining their families. To alleviate the sufferings of the poor fishermen crew / labourers who are actually

involved in marine fishing activities, this Government have enhanced the relief assistance given to marine fishermen families during fishing ban period from Rs.1,000 to Rs.2,000 for the year 2011-2012 on 17-5-2011. The Hon'ble Chief Minister of Tamil Nadu inaugurated this Scheme on 24.5.2011 and a total amount of Rs.31.63 crore has been disbursed to over 1.58 lakh fishermen families under this Scheme. This Scheme will be continued during 2012-13 as well.

### **5.2 National Savings-cum-Relief Scheme for Marine Fishermen**

This Centrally sponsored Scheme is shared equally between Centre and State and the relief amount is being disbursed to the marine fishermen every year, during lean fishing months. Under this Scheme, the fisherman contributes Rs.600/- @ Rs.70/- per month as his share for the first 8 months and Rs.40/- for the ninth month. The contribution is matched with total amount of Rs.1,200/- by the Central and State Governments equally (i.e. Rs.600/- each). Thus, a sum of Rs.1,800/- including the fishermen contribution is disbursed to the beneficiaries during the three lean months. For the year 2011-12, the Government have sanctioned an amount of Rs.24.04 crore as Government Share (both Central and State) and Rs.23.82 crore was disbursed to 1.99 lakh

Marine Fishermen in 13 coastal Districts. The Scheme will be continued during 2012-13 as well.

### **5.3 Savings-cum-Relief Scheme for Marine Fisherwomen**

This Scheme is being implemented as a State Scheme. Under this Scheme, the fisherwoman contributes Rs.600/- @ Rs.70/- per month for a period of 8 months and Rs.40/- for the ninth month. The matching grant of Rs.1,200/- is provided by the State Government. Thus, a sum of Rs.1,800/- is disbursed to the beneficiary during the three lean months. The Government have sanctioned an amount of Rs.19.41 crore as share and disbursed Rs.19.10 crore to 1.59 lakh Marine Fisherwomen in 13 coastal Districts. The Scheme will be continued during 2012-13 as well.

### **5.4 Disbursement of Special Relief amount of Rs.4,000/- to Marine Fishermen Families during Lean Fishing Season**

It was felt that the relief amount Rs.1,800/- given to fishermen/fisherwomen under Savings cum Relief scheme every year during non-fishing period is inadequate to run the families. Therefore, the Hon'ble Chief Minister of Tamil Nadu, subsequent to the announcement made in the Budget Speech in the Assembly during August, 2011 introduced a new Scheme of disbursement of special relief assistance to the

marine fishermen families in coastal districts to alleviate their sufferings in the lean fishing months. A sum of Rs.70.04 crore was sanctioned for the implementation of this new Scheme for the disbursement of relief amount to 1.70 lakh marine fishermen families spread in 591 fishing villages in 13 Coastal Districts of the State, at Rs.4,000/- to each marine fisherman family from 2011 onwards.

The Hon'ble Chief Minister of Tamil Nadu inaugurated this new Scheme on 10.11.2011. As on 31.3.2012, a total amount of Rs.54.64 crore has been disbursed to 1.36 lakh fishermen families in 11 Coastal Districts through Electronic Clearing System (ECS) for the first time. Disbursement of relief amount to the marine fishermen families in Thoothukudi and Thirunelveli Districts is under progress as the lean season commences from April onwards. The Scheme will be continued during 2012-13 as well.

#### **5.5 Group Accident Insurance Scheme for Fisherfolk**

This is a centrally sponsored Scheme shared equally by the Centre and State. Under this Scheme, the State and Central Government will pay the total Insurance premium of Rs.30/- per beneficiary (at Rs.15/- each) and no premium is collected from the fishermen. In the event of death /Permanent disablement, the fisherman will be given Rs.1,00,000/- and an

amount of Rs.50,000/- will be given for partial disablement.

For the year 2011-12, a sum of Rs.91.20 lakh (as State share) has been paid to FISHCOPFED (National Federation of Fishermen's Co-operatives Ltd), New Delhi, towards insurance coverage for 6.08 lakh active marine, inland fishermen and fisherwomen for the period from 10.12.2011 to 9.12.2012. This Scheme will be continued during 2012-13 also.

#### **5.6 Motorisation of Traditional Crafts**

The Government is providing subsidy assistance towards the purchase of Out Board Motors (OBM) / In Board Engines (IBE), to be fitted in the traditional crafts of fishermen. The fishermen will be provided with 50% subsidy of the unit cost of the engine or Rs.30,000/- whichever is less which will be shared equally between Centre and State, under this scheme. An amount of Rs.7 crore has been sanctioned towards the release of subsidy for motorisation of traditional crafts for the year 2011-12. This Scheme will be continued during 2012-13 as well.

#### **5.7 Reimbursement of Central Excise Duty on High Speed Diesel**

This Scheme is to be implemented as 100% centrally funded Scheme. The Government reimburses the Central Excise Duty by way of

providing subsidy amount towards the purchase of HSD oil by the mechanized fishing boat operators so as to reduce the operational cost. The subsidy will be limited to Rs.3 /- per litre of HSD oil with a ceiling of 500 litres per boat, per month during active fishing months. The subsidy will be provided to the mechanised fishing vessels with overall length less than 20 metres and registered prior to 10<sup>th</sup> Five year Plan period. The owners of the Mechanised fishing boats should be in BPL category, which is a non-implementable condition since the Mechanised boat owners do not come under the BPL category.

The Hon'ble Chief Minister of Tamil Nadu, in the memorandum submitted to the Hon'ble Prime Minister of India on 13.6.2011, has insisted that the conditions imposed for reimbursement of Central Excise Duty are impractical and unworkable for all the coastal States and these should be immediately reviewed in order to enable this Scheme to become operational.

#### **5.8 Sales Tax Exemption on Sale of High Speed Diesel to Fishermen**

The Government of Tamil Nadu provides 100% sales tax exempted High Speed Diesel for mechanised fishing boats and motorised country crafts registered in the Fisheries Department. The mechanised boats can avail sales tax

exempted diesel, subject to a maximum of 15,000 litres per boat per year during active fishing months and motorised country crafts can avail the maximum of 3,600 litres per craft per year. This Scheme will be continued during 2012-13 as well.

#### **5.9 Subsidized and Sales Tax Exempted Industrial Kerosene to the Traditional Crafts**

The Government provide Sales tax exempted industrial kerosene at the subsidized rate of Rs.25/- per litre (200 litres per boat per month) to the owners of the motorized traditional crafts fitted with the kerosene driven motors in Thoothukudi, Tirunelveli & Kanniyakumari Districts. The Government allocated Rs.47.23 crore for implementing the Scheme for the year 2011-12. Out of the total sanctioned amount, a sum of Rs.23.62 crore has been drawn and released to TAFCOFED & TNFDC Ltd., towards the supply of sales tax exempted industrial kerosene at subsidized rates. This Scheme will be continued during 2012-13 as well.

#### **5.10 Cash Awards to 10<sup>th</sup> and +2 Students of Fishing Community**

The Government of Tamil Nadu is providing cash award and merit certificates to the boys and girls of fishermen community who have secured top ranks in 10<sup>th</sup> and +2 Standard

Examinations at District and State level as a measure of encouraging the students of fishing community in education. This Scheme will be continued during the year 2012-13 as well.

## **B. RELIEF SCHEMES**

### **5.11 Relief assistance for fishing implements damaged due to 'Thane' Cyclone**

The "Thane" cyclone, which crossed the coast between Cuddalore and Puducherry on 30.12.2011, caused extensive damages to the fishing implements in 5 northern coastal districts of Tamil Nadu, especially in Cuddalore and Villupuram Districts. The Government sanctioned a sum of Rs.20 crore vide G.O.Ms.No.10, Revenue (DM-II) Department, dated:6.1.2012 for the payment of relief to the affected fishermen. Subsequently Government in G.O.(D).No.18 Revenue (DM-II) Dept dated:10.1.12 announced the relief packages for the affected fishermen on the same pattern that was adopted during Tsunami in 2004. A sum of Rs.14.94 crore have been released for the disbursement of relief assistance to the affected fishermen beneficiaries. The Relief amount has been disbursed to 9,754 affected beneficiaries in 5 coastal districts.

### **5.12 Enhancement of Daily Relief to Marine Fishermen Apprehended in Other Countries**

The Government support the family of genuine fishermen who are apprehended by the neighbouring countries while fishing by extending a daily relief amount of Rs.50/- to the family till he returns home. The Government after taking charge, enhanced the daily allowance from Rs.50/- to Rs.250/- and allocated a sum of Rs.6 lakh vide G.O. (3D) No.6, Animal Husbandry, Dairying and Fisheries Department (FS6), dated 24.8.2011. The Scheme is being implemented through the District Collectors for providing immediate relief. This Scheme will be continued during the year 2012-13 as well.

### **5.13 Enhancement of Daily Relief to the Families of Missing Fishermen**

The Government have been providing relief assistance of Rs.50/- per day or Rs.1,500/- per month to the families of the fishermen missing while fishing in the sea, till he returns. This Government after taking over charge, enhanced the daily allowance from Rs.50/- (i.e. Rs.1,500/- per month) to Rs.250/-(i.e. Rs.7,500/- per month) up to two years and allocated a sum of Rs.12 lakh and distributed to the coastal District Collectors for the year 2011-12. This Scheme will be continued during 2012-13 as well.



#### **5.14 Relief to the Families of deceased / injured Fishermen due to shooting by Sri Lankan Navy**

The fishermen of coastal districts, who fish in their traditional areas in the disputed Palk Bay waters and who drift into Sri Lankan waters due to engine failure and natural vagaries of the sea, are apprehended / harassed and sometimes even shot at by Sri Lankan Navy.

The Government is providing an ex-gratia payment of Rs.3. lakh to help the family of fishermen who die due to shooting from Chief Minister's Public Relief Fund. In the case of the deceased fishermen who are the sole breadwinners of the family, an Ex-gratia amount of Rs.5. lakh will be given. For major and minor injuries, an Ex-gratia amount of Rs.50,000/- and Rs.20,000/- will be given respectively. The Scheme will be continued during 2012-13 as well.

#### **C. RETRIEVAL OF KATCHATHEEVU: ISSUES AND STATUS**

The Government accords the highest priority to restore the traditional fishing rights of our Fishermen in the disputed Palk Bay waters and for the retrieval of Katchatheevu. The Government have taken pro-active steps for the retrieval of "Katchatheevu Island" ceded by Government of India to Sri Lanka under the 1974 and 1976 agreements between India and Sri

Lanka. The proposals sent for obtaining the island on "lease in perpetuity" and permitting licensed fishing in and around "Katchatheevu" are still pending with Government of India. A resolution proposed by the Hon'ble Chief Minister of Tamil Nadu to include Revenue department as a respondent in the W.P. (Civil).No.561/2008 filed in the Supreme Court of India, regarding retrieval of "Katchatheevu" back to Tamil Nadu has been passed in the Legislative Assembly and forwarded to Government of India. The Hon'ble Chief Minister of Tamil Nadu has also stressed the need to retrieve "Katchatheevu" back to Tamil Nadu in the memorandum submitted to Hon'ble Prime Minister of India on 13.6.2011.

#### **D. FISHERIES MANAGEMENT FOR SUSTAINABLE LIVELIHOODS**

A World Bank funded project called FIMSUL was implemented by FAO and Department of fisheries. The objective of the project was to help planning, design and implementation of appropriate fisheries development and management, policy frameworks and to establish the process and capacities among different stakeholders. The recommendation of the FIMSUL project is proposed to be implemented.

## **E. INFRASTRUCTURE FACILITIES**

### **5.15 Construction of Fishing Harbours in Tamil Nadu under Centre / State shared Scheme (50:50)**

#### **a) Fishing Harbour at Colachel**

Government of India have accorded administrative approval for the construction of Fishing Harbour at Colachel in Kanniyakumari District at an estimated cost of Rs.27.10 crore and the Government have so far released Rs.19.12 crore towards Central and State share in four instalments.

The construction of Eastern and Western breakwaters and its approaches to Colachel fishing harbour was taken up in the first phase. Eastern breakwater work are completed upto 103 m. length against a total initially envisaged length of 118 m. and Western breakwater work up to 430 m. length against an envisaged length of 530 m. Placement of Coreloc armour units on Sea side slope in the main breakwater has been completed upto 180 m. length. Approach road to both Eastern and Western breakwaters and Weigh Bridge work have been completed. The construction of wharf, dredging and other infrastructure facilities will be taken up in the second phase. As requested by the local fishermen, the Institute of Hydraulics and Hydrology, Poondi conducted model study and

revised the layout deviating the original plan. Regarding the problem of sand deposit inside harbour basin, the Government sanctioned an amount of approximately Rs.35 lakh to the Central Water and Power Research Station (CW&PRS), Pune, a Government of India Institute for obtaining their opinion about the further work and modifications to be undertaken. Based on the report, the estimate of Colachel Harbour is revised to Rs.60 crore and for the additional funding, the concurrence of the Central and State Governments is being sought for with the recommendations of the Technical Advisory Committee for Fisheries.

#### **b) Fishing Harbour at Thengapattinam**

An Administrative approval has been accorded by the Government of India for the construction of Fishing Harbour at Thengapattinam in Kanniyakumari District at an estimated cost of Rs.40 crore. A sum of Rs.30.crore towards Central and State share has been released in three instalments for implementing the Project.

The construction of main breakwater has been completed partially up to 530 m. against 580 m. envisaged and Leeward breakwater has been constructed partially upto 105 m. against 120 m. Further placement of Coreloc armour units on sea side slope in the main break water has been completed upto 510 m. out of 580 m.

The revised cross section for breakwater as suggested by CWPRS – Pune, the estimate for this harbour is revised to Rs.71.11 crore and for the additional funding, concurrence of the Central and State Government is being sought for with recommendations of the Technical Advisory Committee for Fisheries.

Second phase work like wharf, dredging other shore facilities will be taken up in coming months.

#### **c) Fishing Harbour proposed at Poompuhar**

The Government have proposed to seek assistance of Government of India to construct a fishing harbour at Poompuhar in Nagapattinam District at an estimated cost of Rs.80 crore. The National Institute of Ocean Technology (NIOT), Chennai has conducted model study and submitted the reports of model study and Environment Impact Assessment. The Archaeological Marine Survey was conducted and the proposed site is free from any Archaeological structure / artefact. The Department of Tourism & Culture and the Archaeological Survey of India has issued NOC for the project. Additional studies were carried out through Annamalai University to obtain Environmental clearances at State and National level. The Revised Detailed Project Report is under preparation in consultation with the Central Institute of Coastal Engineering for

Fishery (CICEF), Bangalore. On its receipt, the proposal will be sent for getting funding from Government of India.

#### **d) Fishing Harbour proposed at Mookaiyur**

The present berthing facilities for mechanized boats at Rameswaram in Ramanathapuram District are inadequate. Hence, in order to provide safe berthing facilities to mechanized boats, the Government have proposed to seek Government of India funds for constructing a fishing harbour at Mookaiyur at an estimated cost of Rs.60 crore under Centrally Sponsored Scheme. Action is being taken to carry out feasibility study and to prepare DPR for the project by appointing Consultant. Now, the Government of Tamil Nadu have sanctioned Rs.8.75 lakh for conducting bathymetric survey for studying the wave pattern for the project.

#### **5.16 Construction of Fishing Harbours under "BOT" (Build, Operate & Transfer) System**

The Government have accorded permission for the construction of Fishing Harbour at Muttom in Kanniyakumari District under "BOT" (Build, Operate and Transfer) System. The total cost of the project is Rs.53.92 crore. Construction of Breakwater to a length of 215 m. on eastern side and 1.5 km length on southern side and placing of concrete Tetrapod Armour blocks numbering

9,260 have been completed. The concessionaire Viz. M/s Jeppiaar Fishing Harbour Muttom Pvt. Ltd has so far spent Rs.34 crore for the project.

The Government of India has given their consent to assist the project by contributing 50 percent of the project cost as Central Share as collaborative scheme and released Rs.5.crore and Rs.6.116 crore towards first and second instalments respectively to the concessionaire for this project. The Government have also approved to extend the breakwater upto Alikal and Pillaitoppu. The Government have accorded permission for the construction of Fishing Harbours at Rajakkamangalamthurai in Kanniyakumari District under "BOOT" System. Model study, Environmental Impact Assessment (EIA) and Environmental Management Plan preparation are in progress. Notices were served to the concessionaire to start the construction work without any further delay.

Similarly, preliminary investigation studies and feasibility studies are in progress for construction of Fishing Harbour at Manakudy in Kanniyakumari District under 'BOOT' (Build, Own, Operate and Transfer).

### **5.17 World Bank Assisted Emergency Tsunami Reconstruction Project (ETRP)**

An amount of Rs.103.25 crore has been allotted under World Bank assisted ETRP, to implement the following projects:

#### **a) Reconstruction and Modernisation of Two Fishing Harbours**

Government have accorded administrative sanction for Rs.63.21 crore towards modernization of fishing harbours at Pazhayar and Nagapattinam in Nagapattinam District. The work are under progress.

#### **b) Permanent Opening of Two Bar-mouths**

Rs.15.44 crore has been sanctioned by Government for providing permanent stability of coastal inlets at Vellar River (Rs.10.24 crore) in Cuddalore district and Tirumullaivasal (Rs.5.20 crore) in Nagapattinam District. The work are in progress.

#### **c) Construction of Two New Fish Landing Centres**

The Government of Tamil Nadu have accorded administrative sanction for a sum of Rs.10.60 crore and Rs.13.50 crore towards construction of two new Fish Landing Centres

(FLC) at Nagore village in Nagapattinam District and Annankoil village in Parangipettai taluk in Cuddalore District respectively. Approval was obtained from the World Bank and work have commenced in both the places and are in progress.

**d) Construction of ice plant at Chinnamuttom**

An amount of Rs.0.50 crore has been sanctioned for construction of an Ice Plant at Chinnamuttom and work is in progress.

**5.18 Construction of 10 Fish Landing Centres Under Tsunami Rehabilitation Programme**

The Government have sanctioned the Construction of ten new Fish Landing Centres (FLC) at various coastal villages for a total cost of Rs.49.97 crore.

Construction is under progress in all the places except at Uvari village (Rs.4.04 crore) in Tirunelveli District, where the work will be taken up only after the work to arrest the sea erosion as sanctioned through Public Works Department is completed. Table 3. shows the progress and present stage of the works.

**Table.3 Progress of Construction of Fish Landing Centres (as on 31.03.2012)**

<b>District</b>	<b>Name of village</b>	<b>Cost (Rs. in Crore)</b>	<b>Present stage</b>
Tiruvallur	Annamalaichery	4.72	Erection of bored piles for compound wall is in progress
	Periyamangodu	4.72	Piling work for construction of buildings completed
	Ennore Mugathuwara-kuppam	5.45	Work is in progress
Kancheepuram	Kadalore Periakuppam	4.76	Work is in progress
Villupuram	Ekkiyarkuppam	4.76	Fish drying platform completed. Other work are in progress
Pudukottai	R.Pudupattinam	4.41	Work is in progress
Ramanathapuram	Keezhakarai	5.32	Completed.
Thoothukudi	Threspuram	7.03	Work is in progress
	Periathalai	4.76	Work is in progress

**5.19 Seamless Communication Network**

In order to ensure the safety and security of the fishermen venturing into high seas, the Government of Tamil Nadu have introduced “Seamless Radio Communication Network” by fixing

Very High Frequency (VHF) set fitted with Global Positioning System (GPS) in each fishing craft. Under this scheme, installation of seamless communication network in 13 coastal districts will be undertaken in two phases at an estimated cost of Rs.57.60 crore. As first phase, the Government have provided Seamless Communication facilities in Ramanathapuram District through M/s. ELCOT, Chennai at a cost of Rs.7.73 crore. Three base stations along with High mast towers at Pamban, Thondi and Chinna Erwadi have been established. 3100 VHF hand held marine radios have been procured and kept ready for distribution to the fishermen of traditional crafts. License approval from Wireless Planning Commission, Ministry of Telecommunications, New Delhi, is awaited. On receipt of approval, VHF sets will be distributed to the fishermen of traditional crafts free of cost and on 50% subsidized cost to the fishermen of Mechanized fishing boats.

#### **5.20 Fish Processing Parks in Tamil Nadu**

The Government have announced the development of Fish Processing Parks in the Coastal towns in a phased manner under Public Private Partnership mode to develop infrastructure support. It is proposed to establish Modern Fish processing Parks at Cuddalore, Nagapattinam and Chennai in the first Phase. Tamil Nadu Urban Infrastructure & Financial Services Limited (TNUIFSL) has been engaged for appointing Consultant for 'Transaction Advisory'

Services and for conducting feasibility study. Consultants are being shortlisted for conducting the feasibility studies and on completion of the studies, suitable Operators will be chosen for establishment and operation of Fish Processing Parks.

### **F. RESOURCE/PRODUCTION ENHANCEMENT**

#### **5.21 Conservation and Management of Fishery Resources**

In recent years, the fishery wealth in the inshore water is being overexploited due to excessive fishing pressure on the resources. Enforcement of Tamil Nadu Marine Fishing Regulation Act. 1983 is an ongoing measure as part of conservation and management of marine resources. Stock enhancement, habitat development and diversified fishing methods are some of the conservancy measures.

#### **5.22 Setting up of Artificial Reefs**

Artificial reefs help in augmenting the productivity of the marine ecosystem. These act as habitats to marine aquatic organisms; enhances the fish production through increased breeding activity and survival of young ones and act as a barrier for bottom trawling operations. The Government have taken steps for development of fish habitats, by setting up of artificial reefs in the inshore waters as a

conservation measure. 18 Artificial Reefs have been installed so far in Thiruvallur, Kancheepuram, Cuddalore, Nagapattinam, Thanjavur, Pudukottai, Ramanathapuram, Thoothukudi, and Kanniyakumari Districts. The work has been carried out by obtaining technical advice from the Central Marine Fisheries Research Institute (CMFRI). The Government have sanctioned a sum of Rs.2.63 crore towards the installation of 17 units under NADP Scheme and 2 units at Rs.30 lakh under Part II schemes, during 2011-12. The work are in progress

#### **5.23 Providing 25% subsidy upto Rs.5 lakh to fishermen to procure Mechanized Boats or Deep Sea Tuna Long Liners**

'Tuna' is one of the offshore fishery resources yet to be optimally harvested. This Government have launched a Scheme to provide 25% subsidy upto Rs.5 lakh to fishermen to procure new fishing crafts or deep sea Tuna long liners by way of conversion of mechanized boats / replacement or upgradation of motorized fishing crafts as a measure of encouraging fishermen to take up diversified fishing activities. The Government have also sanctioned a sum of Rs.25 crore for implementing the Scheme in a phased manner in a period of five years and allocated Rs.5. crore for 2011-12. Beneficiaries have been shortlisted and work orders have been issued to the Beneficiaries.

#### **5.24 Deep sea Fishing – Stationing of Mother Ship Concept**

It is proposed to establish 'Mid Sea Fish Processing Units cum career Mother vessel' which will have the facilities for fish processing and provide essential inputs for the baby vessels involved in commercial fishing in the deep sea.

The Tamil Nadu Urban Infrastructure and Financial Services Limited (TNUIFSL) have been engaged for appointing Consultant for Preparation of Feasibility Report and for providing Transaction Advisory services. A request for Expression of Interest (EOI) under International Competitive Bidding has been called for and advertised in National, International and Vernacular print media. After getting the Consultancy Report from the Consultant concerned, further bids will be called to select the Public- Private partners for stationing the Mother ships in the deep seas.

### **6. INLAND FISHERIES**

Tamil Nadu has been endowed with 3.73 lakh ha. of inland fishery resources comprising of reservoirs, major irrigation and long seasonal tanks, minor irrigation and short seasonal tanks, ponds, rivers, backwaters and swamps. These resources mainly depend on seasonal rains and the water retention period of the water bodies is very short. The Department

is taking suitable measures to enhance inland fish production by stocking advanced fingerlings of fast growing fishes in short seasonal water bodies, introduction of cage culture/pen culture in reservoirs to increase productivity.

### **6.1 Reservoir Fisheries**

Fishing activities are carried out in 62 major, medium and small reservoirs of Tamil Nadu. The fishery resources of these reservoirs are being exploited by 3 types of system viz. Licensing, Share fishing and Leasing. The reservoirs are being stocked with the advanced fingerlings produced from the departmental fish seed farms. With a view to increase the fish production, the National Fisheries Development Board is extending financial assistance of Re.1/- per fish seed for stocking advanced fingerlings of 80 – 100 mm size. During the year 2011-2012, out of Rs.79.04 lakh received from NFDB, a total number of 55.35 lakh advanced fingerlings were stocked in 15 reservoirs. Apart from this, 38 reservoirs have been stocked with 33.71 lakh advanced fingerlings by the department. It is proposed to stock 164 lakh advanced fingerlings during the year 2012-13.

### **6.2 Fish seed Production / Fish seed Rearing Centres**

There are 5 Fish Seed Production Centres functioning under the control of Fisheries Department and Tamil Nadu Fisheries Development Corporation (TNFDC) with an annual production potential of 402.5 million early fry. 193.5 million early fry have been produced from 5 Fish Seed Production Centres during 2011-12. From the Departmental Fish seed rearing centres 117.30 lakhs late fry, 49.39 lakh fingerlings and 135.24 lakh advanced fingerlings have been produced upto Feb' 2012.

33 Fish Seed Rearing Centres have been functioning under the control of the Department of Fisheries and Tamil Nadu Fisheries Development Corporation (TNFDC) with an annual production potential of 85 million fingerlings. The total fish seed farm area available with the Department is 48.88 ha, out of which only 33.37 hectares are in usable condition. Steps have been taken upto repair and renovate the un-utilized seed rearing area dovetailing funds from the Schemes such as National Agriculture Development Programme (NADP) National Fisheries Development Board (NFDB), Western Ghats Development Programme (WGDP), and National Bank for Agriculture and Rural Development, NABARD- RIDF and World Bank funded TN-IAMWARM Schemes.



In order to attain self sufficiency in fish seed requirement, private Agriculture farmers have also been encouraged to establish fish seed production centre by extending 50% of subsidy assistance under NADP Scheme. The implementation of the Scheme resulted in an additional production of 35 million fingerlings from the private sector.

### **6.3 Fish Farmers Development Agencies**

12 Fish Farmers Development Agencies (FFDA) have been established in Tamil Nadu to popularise fish culture activities and generate employment opportunities in rural areas. These Agencies are functioning under the Chairmanship of the respective District Collector. The main activities are providing technical guidance and encouraging farmers to take up fish culture by extending subsidy assistance besides imparting technical training to farmers. An amount of Rs.1.33 crore has been provided as subsidy component during the year 2011-12, through which an area of 159 ha has been brought into fish culture benefiting 152 farmers. The Scheme will be continued during 2012-13 as well.

Subsidy has also been provided to inland fishermen towards purchase of fishing nets through FFDA's. The Government have sanctioned Rs.33.33 lakh under Centrally Sponsored Schemes (75:25 basis) and subsidy has been

released to 1,111 inland fishermen towards purchase of fishing nets.

### **6.4 Brackishwater Aquaculture**

The total natural brackish water resources of Tamil Nadu is 56,000 ha. The actual area taken up for brackishwater aquaculture is 6,019.21ha, consisting of 2,748 Shrimp Farms. Registration of farms with Coastal Aquaculture Authority is mandatory. So far 1,596 farms with a total area of 4,358.66 ha. have been registered with Coastal Aquaculture Authority (CAA). In order to promote sustainable, eco-friendly aquaculture practices, 5 Brackish water Fish Farmers' Development Agencies (BFDA) have been functioning at Thiruvallur, Cuddalore, Nagapattinam, Ramanathapuram and Thoothukudi Districts. Under the Centrally Sponsored Scheme, subsidy assistance is provided at Rs.60,000/- per hectare for construction of shrimp farms of size within 2 ha area. During 2011-12 the Tamil Nadu Government have accorded sanction and released a sum of Rs.3.33 crore (Central Share Rs.2.50 crore + State Share Rs.83. lakh) as subsidy under the Centrally Sponsored Scheme (75:25 basis).

### **6.5 Development of Cold Water Fisheries**

The Trout hatchery at Avalanche is the only cold water fisheries centre in Tamil Nadu

that offers potential for developing trout fishery in the upland water resources in the Nilgiris and some parts of Western Ghats. As part of stock enhancement, the cold water streams are being stocked regularly with Trout fingerlings reared at Avalanche Trout hatchery in the Nilgiris. The Government have proposed to upgrade and renovate the Trout hatchery at Avalanche at a cost of Rs.30. lakh through NFDB assistance.

### **6.6 Western Ghats Development Programme**

Under Western Ghats Development Programme, additional infrastructure facilities for the fish seed farms at Pechiparai and creation of a fish seed hatchery in Chittar II FFDA fish farm both at Kanniyakumari district are being carried out. In Virudhunagar district, ornamental fish culture training is being provided to 120 members for Self Help Group and 2 ornamental fish culture units have been constructed for 2 Self help groups. Also, improvement of the fish seed farm at Pilavakkal dam is under progress. The Government have sanctioned a total sum of Rs 42.92 lakh in 2011-12 for carrying out all the above work under the Western Ghats Development Programme.

### **7. RESEARCH**

There are two research stations, in the Fisheries Department one at Chennai and

another at Thoothukudi. The Fisheries Department is coordinating with the Central Institute of Freshwater Aquaculture (CIFA) Bhubaneswar, Central Institute of Brackish water Aquaculture (CIBA) Chennai, Central Marine Fisheries Research Institute (CMFRI) Kochi and the Fisheries College and Research Institute at Thoothukudi.

### **8. EXTENSION AND TRAINING**

Extension and Training plays a vital role in transfer of technology and propagation of Government welfare Schemes to the stakeholders. The Department is conducting various need based target oriented training programmes with the funding support of National Agriculture Development Programme (NADP), National Fisheries Development Board (NFDB) and Government of India.

#### **8.1 Maritime Education for Fisher Youth**

The Government have sanctioned a sum of Rs.50 lakh at the rate of Rs.50,000/- per person benefiting 100 fisher youth to pursue maritime Education and Nautical Sciences after completing 10<sup>th</sup> std or +2. Subsequently, the Government have included 4 more courses additionally under this Scheme. 157 applications have been received from the fisher youth for availing the assistance during 2011-12. The Scheme will be continued during 2012-13 as well.

## **8.2 Fisheries Institute of Technology and Training**

Fisheries Institute of Technology and Training (FITT) has been functioning with the aim of imparting Technology oriented training to fisherfolk of Tamil Nadu. The FITT has imparted training to 3,002 fisherfolk on Seaweed culture, Crab fattening, Fish handling and preservation, Engine maintenance for mechanic and fishermen, Tuna fishing, Marine ornamental fish culture, Trap fishing etc., using its own funds and other funds received from National Fisheries Development Board (NFDB), National Agriculture Development Programme (NADP) etc.

Cage culture of fish in freshwater resources at an estimated cost of Rs.52.50 lakh has been sanctioned on a pilot basis with assistance from NADP. Cage culture has been undertaken at Poondi Reservoir in Tiruvallur District. On successful completion of the pilot project, it is proposed to scale up cage culture using NADP funds.

It is proposed to transfer the activities of FITT to the Tamil Nadu Fisheries University to be established shortly.

## **9. SPECIAL PROJECTS**

### **9.1 Issuance of Biometric Identity Cards to Marine Fishermen**

The Government of India introduced a Central Sector Scheme for "Issuance of Biometric Identity Cards to marine fishermen" to ensure coastal security in the aftermath of 26/11 Mumbai terrorist attack and allocated a sum of Rs.1.16 crore to Tamil Nadu. Biometric ID cards will be issued to about 1.85 lakh active marine fishermen. The work has been entrusted with M/s.BEL Ltd. Bangalore. Capturing of bio-metric features is completed for 1.33 lakh fishermen and biometric cards to coastal fishermen will be issued shortly.

### **9.2 Online Registration of Fishing Vessels**

The Government of India have introduced a Central Sector Scheme for "Online registration of fishing vessels" and sanctioned a sum of Rs.70.509 lakh to Tamil Nadu as another measure for ensuring coastal security.

Further, the Government of India have sanctioned Rs.62.85 lakh additionally towards providing infrastructure facilities in 2011-12. The work on capturing photographs of owners of mechanized and traditional crafts has been completed. Data entry for 4,204 mechanised

boats has been completed. Photo capturing of traditional crafts is in progress.

### **9.3 Tamil Nadu Irrigated Agriculture Modernisation and Water Bodies Restoration and Management (TN IAMWARM) project**

The World Bank funded TN-IAMWARM Project is being implemented in 63 sub-basins. The main objective of the project is to enhance unit productivity of water thereby to help the farmers to get additional income. 53 Sub basins have been identified for implementing the fisheries activities, and the World Bank has allocated a sum of Rs.17.80 crore. The following activities are being implemented under this Scheme.

- Aquaculture in Farm Ponds
- Aquaculture in Irrigation tanks
- Fish seed rearing in cages
- Construction of New Fish Seed Banks and Improvement to Government Fish Seed Farms
- Ornamental Fish Culture
- Cage farming
- Supply of fishing implements
- Setting up of Fish Kiosk for fish marketing.
- Information, Education, Communication (IEC) / Capacity Building (CB)

Sanction has been accorded for implementing fisheries activities, in 5 sub-basins at an estimated cost of Rs.90.03 lakh during the year 2011-12. It is proposed to implement Fishery activity in Amaravathi sub basin at an estimated cost of 33.30 lakh during the year 2012-13. Additional proposals at an estimated cost of Rs.7.73 crore, approved by the World Bank will be implemented during 2012-13.

### **9.4 National Agriculture Development Programme (NADP)2011-12**

For the year 2011-12, under National Agriculture Development Programme (NADP), the following seven programmes have been implemented at a total cost of Rs.8.30 crore.

#### **9.4.1 Installation of Artificial Reefs in the Inshore Areas of Tamil Nadu Coast (Rs.2.63 crore)**

Sanction has been accorded to install artificial reefs at a total cost of Rs.2.63 crore in 17 coastal villages of Tamil Nadu. The work has been entrusted with the Central Marine Fisheries Research Institute on a consultancy basis and are in progress.

#### **9.4.2 Development of Integrated Model for Coastal Aquaculture (Rs.1.35 crore)**

The demonstration of mariculture activities such as seaweed farming, crab / lobster fattening and cage culture of fin fishes enhance the income of fisherfolk, besides providing self employment, alternate livelihood opportunity and will also aid in reducing the fishing pressure in the inshore region. An integrated model for demonstrating all the coastal aquaculture technologies under one roof will be established at Parangipettai in Cuddalore District at a cost of Rs 1.35 crore. The construction work is in progress.

#### **9.4.3 Training to Equip Fishermen for Tuna Long Line Fishing (Rs.85.81 lakh)**

Fibreglass Reinforced Plastic (FRP) boats will be purchased to impart training to fishermen in deep sea Tuna fishing at a total cost of Rs.85.81 lakh. This will pave the way for not only introducing cost effective Multi-day fishing craft but also encourage the small boat owners to venture into offshore for better catch and income. Fishermen will be trained to handle the craft for Tuna fishing using manually operated hand reel.

#### **9.4.4 Purchase of FRP Boats with Out Board Motors for Conservancy in Reservoirs and Rural Fisheries Demonstration Tanks. (Rs.1.07 crore)**

Patrolling of these water bodies for prevention of poaching, regulation of fishing gears and conservation of fish sanctuaries is essential to strengthen conservancy in Reservoirs and Rural Fisheries Demonstration Tanks for increasing fish production. The Department will be procuring 45 Units of FRP Boats fitted with Out Board Motors (OBM) at a cost of Rs 1.07 crore.

#### **9.4.5 Subsidy Assistance to Fish Farmers to Establish Fish Seed Production Centre (Rs.50.50 lakh)**

The Government have sanctioned Rs.50.50 lakh towards 50% subsidy assistance for establishing 10 Fish Seed Production Centres each with annual capacity to produce 8-10 million early fry in order to encourage private sector in developing fish seed production hatcheries. The additional advanced fingerling production will be around 20-25 million annually. The work is under progress.

#### **9.4.6 Capacity Building of Marine Fishermen by undertaking Exposure visit to Other States (Rs.85.85 lakh)**

The marine fishermen will be taken to neighbouring states for an exposure visit to the major fishing harbours, landing centres, processing plants and fish markets and training imparted to them on the best practices being followed in those places, type of crafts and gear used, fishing methods etc., at a cost of Rs.85.85 lakh, under this Scheme. This will create awareness among fishermen on sustainable fishing practices and conservation of marine resources. Beneficiaries have been selected and Training commenced.

#### **9.4.7 Installation of Hybrid Guide Lights powered with Solar and Wind Energy in Coastal Villages (Rs.1.03 crore)**

Ten hybrid guide lights at a cost of Rs.1.03 crore will be installed in nine coastal places in Tamil Nadu. These hybrid guide lights function by using wind and solar energy which enable uninterrupted power supply guiding the marine fisherfolk for safe return to the shore. Agency for installation of hybrid lights has been finalised.

#### **9.4.8 Financial Assistance under National Mission for Protein Supplement (NMPS)**

The Government of India have sanctioned Rs.3.34 crore to Tamil Nadu towards implementation of the special Scheme called as "National Mission for Protein Supplement" (NMPS), Under this Scheme, a battery of cages will be installed in Poondi Reservoir, Tiruvallur district and fish culture will be undertaken by involving local fishermen.

This project is implemented by Fisheries Institute of Training and Technology (FIIT).

#### **9.4.9 National Fisheries Development Board (NFDB) assisted schemes**

The National Fisheries Development Board is extending financial assistance for the implementation of the following programmes.

##### **a) Reservoir Fisheries Management**

Reservoir Fisheries Management in the reservoirs has been taken up under NFDB financial assistance (Re.1/- per advance fingerlings) Rs.79 lakhs has been sanctioned for stocking 79 lakhs advanced fingerlings in 15 reservoirs in Tamil Nadu till 2011-12.

**b) Upgradation of Fishing Harbours and Fish Landing Centres**

The Government have accorded administrative approval to upgrade the following fishing harbour/ fish landing centres, at a total estimated cost of Rs.12.86 crore during 2011-12 under NFDB financial assistance as detailed in Table 4 below:

**Table 4: Sanction of Harbour Upgradation works**

1	Upgradation of Chennai Fishing Harbour, Chennai.	Rs.12.07 crore
2	Upgradation of Jegathapattinam Fish Landing Centre, Pudukottai District.	Rs.53.26 lakh
3	Upgradation of Mudasalodai Fish Landing Centre, Cuddalore District	Rs.25.32 lakh

The civil works in all the above places are in progress.

**10. FISHERIES CO-OPERATIVE SOCIETIES**

The Fisheries Co-operative Societies play a dynamic role in the upliftment of Fishermen and Fisherwomen in the State. Fisheries Co-operatives are playing a vital role in the Department in extending many welfare schemes to the members of the Primary Fishermen / Women Co-operative Societies. About 6.19 lakh fishermen / fisherwomen have been enrolled as members of 1393 primary Fishermen /

Fisherwomen co-operative societies. 54 fair price shops are run by the fishermen Co-operative Societies. The details of the Societies / Members are given in the Table 5 below:

**Table 5: Details of Members of Fishermen Co-operative Societies**

Society	No. of Societies	Members enrolled
<b>Primary Co-operative Societies</b>		
Marine Fishermen Co-operative Societies	566	3,34,210
Marine Fisherwomen Co-operative Societies	442	1,99,671
Inland Fishermen Co-operative Societies	295	72,030
Inland Fisherwomen Co-operative Societies	68	6,786
Other types of Societies	22	6,400
<b>Total Number of societies and members enrolled.</b>	<b>1393</b>	<b>6,19,097</b>
District Fishermen Co-operative Federation	<b>11</b>	<b>727</b>
Tamil Nadu State Apex Fisheries Co-operative Federation	<b>1</b>	<b>598</b>

**11. TAMIL NADU FISHERMEN WELFARE BOARD**

Tamil Nadu Fishermen Welfare Board was established with a view to provide social security and for ensuring well being of fishermen and labourers engaged in fishing and allied activities, and is functioning with its Head Office at Neelangarai, Chennai. During 2011-12, the

Government have sanctioned Rs.5 crore to implement various welfare schemes.

The Welfare schemes being implemented by the Tamil Nadu Fishermen Welfare Board are as follows:

**Table 6: Details of Schemes of Fishermen Welfare Board**

Sl. No.	Relief / Assistance
1	Accident Relief
	(a) Death due to Accident
	(b) Loss of both hands
	(c) Loss of both legs
	(d) Loss of one hand and one leg
	(e) Loss of sight in both eyes
	(f) Loss of limbs due to Major injuries other than the above items
2	Death during fishing or after fishing other than accidental death
3	Fisherman missing during fishing
4	Natural death
5	Funeral Expenses
6	Assistance for Education to son or daughter of the member
	a) Pass in 10 <sup>th</sup> Std
	b) Pass in 12 <sup>th</sup> Std
	c) ITI and Polytechnic
	d) Bachelor Degree in Arts
	e) Post Graduate Degree
	f) Professional courses (Law, Engineering, and Medicine etc.)
	g) Post Graduate Professional courses

7	Marriage Assistance
	a) Marriage Assistance to Member b) Marriage Assistance to son or daughter of member
8	Delivery or Miscarriage of Pregnancy or Termination of Pregnancy
	Delivery
	Miscarriage Termination
9	Old Age Pension ( Above 65 years)

As on 31.3.2012, a total of 4.12 lakh fishermen / fisherwomen / labourers were enrolled as members in the Board. So far, 14,823 claims have been settled and relief / assistance totalling Rs.7.94 crore under various schemes of the Board have been sanctioned. A sum of Rs.3.79 crore has been received from various agencies as specified in the Act, as contribution to the fund of Tamil Nadu Fishermen Welfare Board.

## 12. PART- II SCHEMES

### a) 2011-12

The Government have sanctioned Rs.1.05 crore towards implementing the following schemes under Part II for the year 2011-12.

- The deployment of two Artificial reefs at Nemelikuppam in Kancheepuram District



and Mudaliyar Kuppam in Villupuram District at a total cost of Rs.30 lakh is in progress.

- Old vehicles of the various offices of the Department have been replaced by New vehicles at a cost of Rs.53.20 lakh.
- The renovation of staff quarters at Avalanche, Ooty, Nilgiris District at a cost of Rs.10.lakh is in progress.
- Invertors and computer laptops have been provided to the office of the Directorate of Fisheries, Chennai at a cost of Rs.6 lakh.
- To strengthen the Communication network in the Inland Fisheries sector, fax machines have been provided to the offices at a cost of Rs.6.30 lakh.

**b) 2012-13**

The following schemes will be implemented at a total cost of Rs.97.80 lakh under Part II schemes for the year 2012-13. The details as follows:

**Table 7: Part II schemes (2012-13)**

Sl. No.	Schemes	Amount (Rs in lakh)
1	Replacement of Vehicle to the offices of the Fisheries Department	61.00
2	Upgradation of existing Conference Hall at Directorate of Fisheries	15.25

3	Providing computer with laser Printer and Telephone to the offices of the Assistant Director of Fisheries	1.96
4	Providing Photo copier Machines to Assistant Director of Fisheries offices	13.23
5	Providing water supply arrangement to Staff Quarters at Manimuthar	6.36.
<b>Total</b>		<b>97.80</b>

**13. BUDGET FOR 2012 - 13**

A sum of Rs.417.2235 crore has been provided in the budget for 2012-13. Out of this, projected revenue expenditure is Rs.269.4050 crore, capital expenditure is Rs.147.8185 crore.

**14. TAMILNADU STATE APEX FISHERIES CO-OPERATIVE FEDERATION LIMITED (TAFCOFED)**

Tami Nadu State Apex Fisheries Cooperative Federation Limited (TAFCOFED), registered under Tamil Nadu Cooperative Societies Act of 1983 and started functioning from 6.11.1991 onwards for the upliftment of the economic status of fishers. At present, 589 Primary Fishermen Cooperative Societies and 9 District Fishermen Cooperative Federations have been enrolled as members in TAFCOFED.

At present TAFCOFED has established Diesel Bunk under income generating activities and supply tax exempted diesel to fishermen. TAFCOFED has established the diesel outlets in the following places in the coastal districts: -

**Table 8: List of Diesel Bunks**

Sl. No.	Name of the District	Name of the Village
1	Tiruvallur	Pulicut
2	Kancheepuram	NeelanKarai
3	Cuddalore	Annankoil
4	Nagapattinam	Nagore
5	Thanjavur	Sethubavachatram
6	Thoothukudi	Vembar
		Tharuvaikulam
7	Kanniyakumari	Chinnamuttom
8	Ramanathapuram	Keelakarai
		Mandapam
		Rameswaram

Further, TAFCOFED has initiated action to establish Diesel Bunk at Marakkanam in Villupuram District, Jegathapattinam in Pudukkottai District and Seruthur in Nagapattinam District.

#### **14.1 Supply of Subsidised Industrial Kerosene to the Traditional Motorized Fishing Crafts**

The TAFCOFED is supplying subsidized industrial Kerosene to the traditional motorized

fishing crafts in Thoothukudi and Tirunelveli Districts.

#### **14.2 Sale of Outboard Motors / In Board Engines**

TAFCOFED is also distributing Outboard Motors/Inboard engines to the fishermen under Central and State Subsidy scheme. Under this Scheme Rs.30,000/- or 50% of the cost of the engine whichever is less, is given as subsidy to each fishermen. So far, 1,886 OBM/IBE have been supplied during 2011-12.

#### **14.3 Other Services**

TAFCOFED has established Service centre at Sethubavachatram in Thanjavur District, for selling engine spares, fishing and engine oil to fishermen and also one modern fish retail outlet at Neyveli Lignite Corporation Ltd (NLC) Complex.

#### **15. TAMILNADU FISHERIES DEVELOPMENT CORPORATION LIMITED (TNFDC)**

The Tamil Nadu Fisheries Development Corporation Limited was established in 1974 as a State Owned Undertaking with the authorized Share Capital of Rs.5 crore and the paid up Share Capital is Rs.4.45 crore.

- The Board of Directors are appointed by the Government of Tamil Nadu.
- At present, 159 employees are working in various categories.
- Following activities are being undertaken by the TNFDC Ltd.,
  - Reservoir Fisheries Management
  - Fish Seed Production
  - Fish Marketing and sea food courts
  - Production and Marketing of Ornamental Fishes
  - Shrimp Hatchery and Shrimp Farm
  - Sale of Diesel / Kerosene and OBM / IBE

### **15.1 Reservoir Fisheries Management**

Systematic scientific stocking of fish seeds is being done in eight reservoirs which are under the control of Tamil Nadu Fisheries Development Corporation Limited. Harvesting of fish is being carried out by engaging members of inland fishermen co-operative society as share fishermen.

In 2011-12, the Corporation exploited 676 tonnes fishes from the reservoirs managed by it and sum of Rs.4.16 crore has been realized as revenue. It has been proposed to augment fish production to 991 tonnes to exceed the projected proceeds of Rs.5.19 crore in the ensuing year 2012-13.

### **15.2 Fish seed Production**

Tamil Nadu Fisheries Development Corporation Limited is having total fish seed rearing area of 3.79 hectares. Fish seeds produced by the TNFDC are stocked in the reservoirs managed by the TNFDC in addition to supplying of fish seeds to the Fisheries Department and private farmers. In 2011-12, the Corporation produced 21.7 million of fish seeds and realized revenue of Rs.43.61 lakh from the fish seed farms and projected to produce 27 million of fish seeds and revenue of Rs.54.43 lakh for the year 2012-13.

### **15.3 Fish Processing**

Ice Plants / Processing Plants are under the control of the Corporation. The Processing Plant at Mandapam is leased out to a Private Sea food exporter for Rs.9.39 lakh in the year 2011-12 and it is proposed to increase the lease amount by 10% viz. Rs.10.32 lakh for the year 2012-13.

### **15.4 Diesel Outlets**

At present, the Corporation has been operating 30 diesel outlets in the Fishing Harbours and fish landing centres spread all along the coastal line in the state to supply subsidized diesel to the traditional and mechanized craft owners. The Corporation sold

87,672 KL of diesel and realized revenue of Rs.353.47 crore from the diesel outlets in the year and projected to supply 92,758 KL of diesel and revenue of Rs.387.88 crore for the year 2012-13.

### **15.5 Fish Marketing**

The Corporation has been marketing fresh fish through its retail stalls in Chennai, Madurai, Coimbatore, Tirupur, Pollachi, Trichy and Thiruvannamalai. 908 tons of fish were sold for Rs.12.86 crore during 2011-12. The Corporation has also been running fish food courts in Chennai, Coimbatore and Tirupur. In 2012-13, it is proposed to sell 1,070 tonnes of fishes and expected to earn Rs.13.78 crore.

### **15.6 Shrimp Hatchery at Neelankarai**

The hatchery facilities are leased out to "Rajiv Gandhi Centre for Aquaculture" a society of Marine Products Export Development Authority from 24.1.2004 for shrimp seed brood stock management and quarantine facilities. During the year 2011-12, Rs.3.85 lakh has been collected as lease amount and for the year 2012-13, an amount of Rs.4.65 lakh will be collected as lease amount from RGCA.

### **15.7 Model Shrimp Farm at Karangadu**

The TNFDC leased out the farm at Karangadu in Ramanathapuram District to a private Shrimp farmer for an annual lease amount of Rs.5.57 lakh during the year 2011-12. It is expected to collect the lease amount of Rs.6.13 lakh from the lessee for the year 2012-13.

### **15.8 Production and Marketing of Ornamental Fishes**

TNFDC has set up Ornamental Fish Production Centres at Aliyar and Thirumoorthy Nagar in Coimbatore District under the financial assistance of Government of Tamil Nadu. An Ornamental Fish Sales centre-cum-Aquarium is functioning at Aliyar, Thirumoorthy Nagar and Chennai. During the year 2011-12, Rs.21.99 lakh was realized from the sale of ornamental fish. It is proposed to sell Rs.29.45 lakh value of ornamental fish for the year 2012-13.

### **15.9 Supply of OBM / IBE to Traditional Fishing Crafts**

The TNFDC has been supplying Outboard Motor/Inboard Engines under centrally sponsored subsidy scheme to the fishermen for motorization of the traditional fishing crafts. During the year 2011-12, 249 Nos of OBM were supplied to the fishermen and earned profit of Rs.7.65 lakh. It

has been proposed to sell 270 nos. of OBM with margin of Rs.8.lakh for the year 2012-13

#### **15.10 Supply of Subsidized sales tax exempted Kerosene to the Traditional Motorized Fishing Crafts**

The Corporation is supplying subsidized sales tax exempted kerosene to the traditional crafts in Kanniyakumari District. 4,970 KL of Kerosene was supplied and Rs.24.41 crore was realized during 2011-12 and target is fixed as 6,000 KL of kerosene and expected revenue of Rs.31.70 crore for 2012-13.

#### **15.11 Other Schemes**

The following are the new schemes under progress.

##### **15.11.1 Modernisation of wholesale Fish Market at Ukkadam, Coimbatore**

The TNFDC Ltd. has proposed to modernise the existing wholesale fish market at Ukkadam, Coimbatore with modern facilities such as cold storage, ice plant, waste disposal etc. by availing financial assistance of Rs.2.25 crore from National Fisheries Development Board, Hyderabad. This project is being implemented by the Coimbatore Corporation. Work is in progress.

##### **15.11.2 Establishment of Fish handling Centre with Ice Plant and Cold Storage at CIBA Complex, Santhome, Chennai**

The TNFDC Ltd. has proposed to establish a fish handling centre with facilities for producing flake ice, cold storage etc. for improving the standards of fresh fish marketing at CIBA Complex at Santhome in Chennai by availing financial assistance of Rs.45 lakh from National Fisheries Development Board (NFDB). Once established, this centre would cater to the needs of TNFDC's retail fish marketing stalls at Chennai city for the supply of quality, hygienic fish to the consumers at reasonable price and the work is in progress.

##### **15.11.3 Establishment of Fish Dressing Centre at Nagapattinam Fishing Harbour**

TNFDC has been establishing a Fish Dressing Centre at Nagapattinam with financial assistance of Rs.1 crore from NFDB to impart training to the fisherwomen in production and marketing of value added fish and fishery products and the work is in progress.

#### **15.11.4 Upgradation of Infrastructure Facilities with Ice plants at Thoothukudi Fishing Harbour**

Under the Scheme for strengthening of infrastructure in Fishing Harbour/Fish landing centres with financial assistance from National Fisheries Development Board & Marine Product Export Development Authority, Thoothukudi Fishing Harbour would be upgraded with the facility of Tube ice Plant and cold storage. The refrigeration plant and machinery have been given by Marine Product Export Development Authority, Government of India. The civil work at an estimated cost of Rs.12 lakh is in progress.

#### **Financial Position**

Various fishermen welfare Schemes are being implemented through Tamil Nadu Fisheries Development Corporation. Apart from this, the Corporation has undertaken various commercial activities such as fresh fish marketing, sea food courts, diesel/kerosene distribution and reservoir Management etc. During the year 2011-12 the TNFDC earned profit of Rs.5.crore (unaudited) and is projected to earn profit of Rs.6.25 crore during the year 2012-13.

#### **16. CONCLUSION**

Fishing is one of the oldest and most risky professions in the world. This Government has

always accorded top priority to uphold the fishing rights of the fishermen as well as the welfare of fisherfolk. The Government have already taken pro-active steps for the retrieval of 'Katchatheevu island' back to Tamil Nadu. Our Hon'ble Chief Minister is taking consistent efforts to stop the incidents of harassment of Tamil Nadu fishermen by Sri Lankan Navy/Miscreants by bringing such incidents to the notice of the Hon'ble Prime Minister of India and to the highest diplomatic forum then and there.

It is a known fact that fisherfolk are always close to the heart of our beloved Honourable Chief Minister. The Honourable Chief Minister takes enormous care and interest for the welfare of the fisherfolk and this has, time and again, been proven by way of successfully implementing the Special Schemes such as providing special allowance of Rs.4,000/- per fisherman family in addition to the Saving-cum-Relief amount being given to fishermen/fisherwomen during 2011-12, which is the first of its kind in this entire Nation. Further to alleviate the sufferings of fishermen the Honourable Chief Minister has enhanced the financial assistance during the fishing ban period from Rs.1,000/- to Rs.2,000/- in 2011-12 and the Scheme would be continued in the ensuing years also.

The Government is committed to bridge the gap in seed production in the Inland fisheries sector by reviving the unutilised fish seed farms through renovation and to create new fish seed

production centres at Mettur and Thirukampuliyur of Karur district apart from encouraging the private entrepreneurs to establish Fish seed production centres. Financial assistance from NFDB and NADP is being obtained for the development of inland fisheries to bring all cultivable inland waters into fish culture. This would contribute to the increase in fish production and cater to the needs of the people for protein requirement. Further, the Tamil Nadu Fisheries Development Corporation, known for its innovative hygienic fish marketing, would take this protein rich fish food to the doorsteps of the consumers of Tamil Nadu through its mobile fish vending units.

The progress in construction of various fishing harbours, fish landing centres, and various other infrastructure facilities on par with international standards would lead to better berthing facilities, improved fish landings, improved fish production, hygienic fish products and a better market value within the country, besides better export value. The construction of Fish Processing parks, the introduction of Mother vessel concept and diversified fishing methods of Tuna long lining would lead the fishermen to explore the underutilized offshore resources of the Ocean and lead to a higher Fish Production in Tamil Nadu.

**K.A. JAYAPAL**  
**Minister for Fisheries**