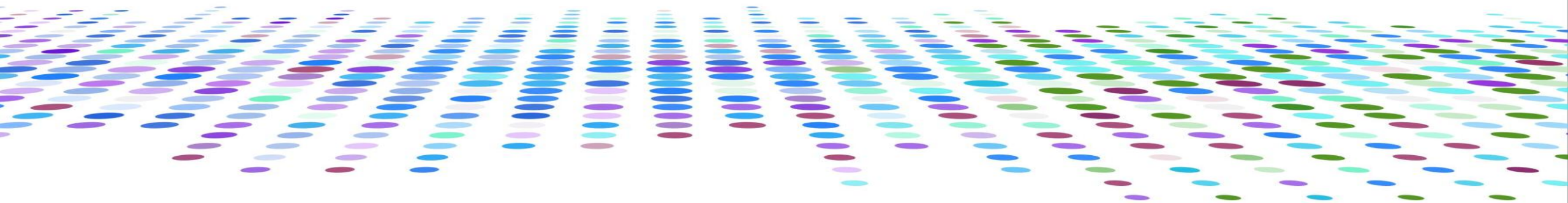




Fisheries Schemes and Initiatives

Tamil Nadu

DEPARTMENT OF FISHERIES
MINISTRY OF FISHERIES, ANIMAL HUSBANDARY & DAIRYING
GOVERNMENT OF INDIA

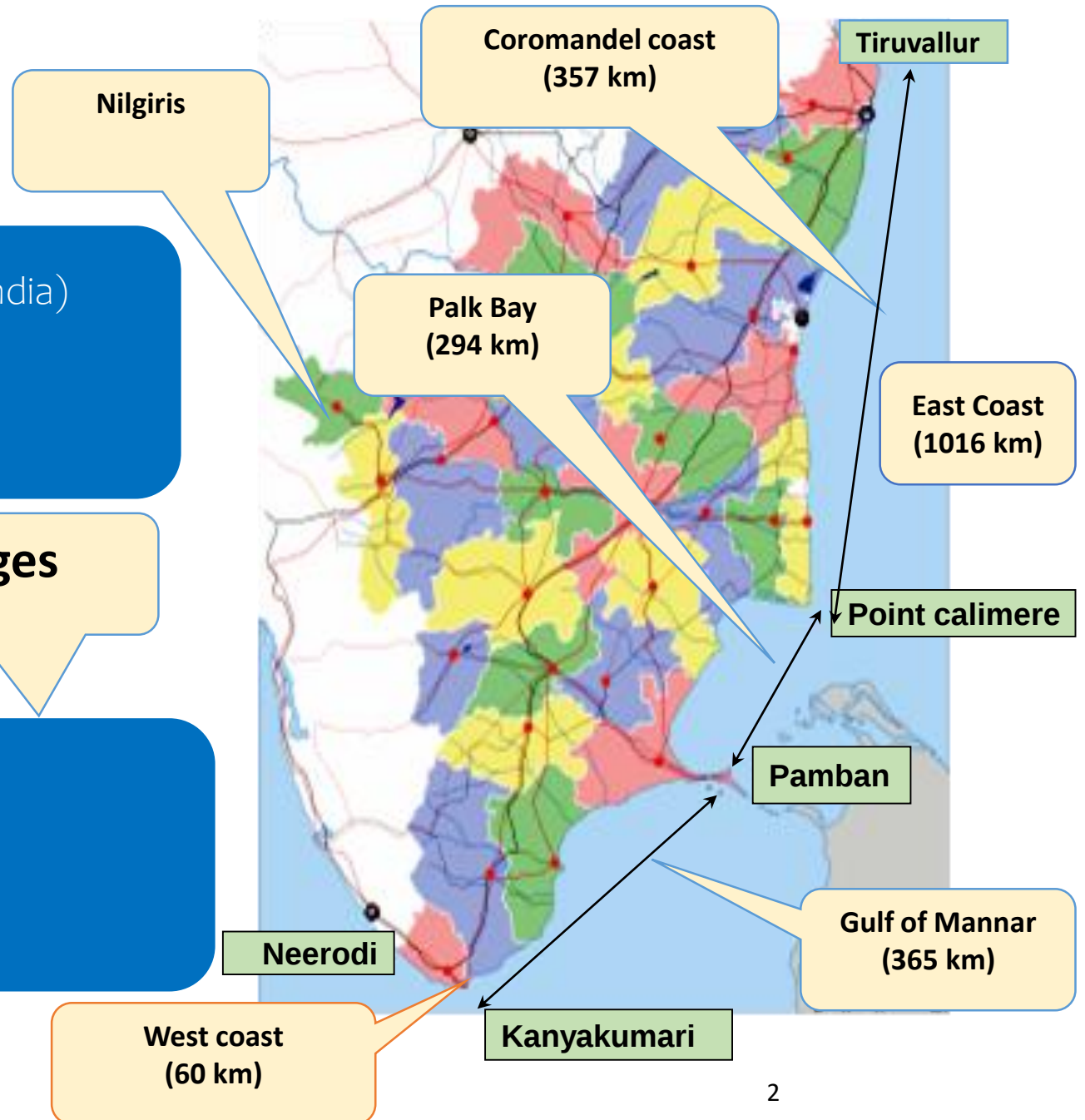


Strengths

- Tamil Nadu Coastal Length -1,076 Km (2nd largest in India)
- Availability of Cold water in Nilgiris
- 62 lakes and reservoirs
- Gulf Of Mannar

Challenges

- Cyclones During returning SE Monsoon
- Proximity to Sri Lankan Waters (Palk Bay Area)
- Purse Seine Fishing Operation Issue
- Unregistered Fishing vessels
- IUU Fishing



Fisheries & Fishermen Welfare Department

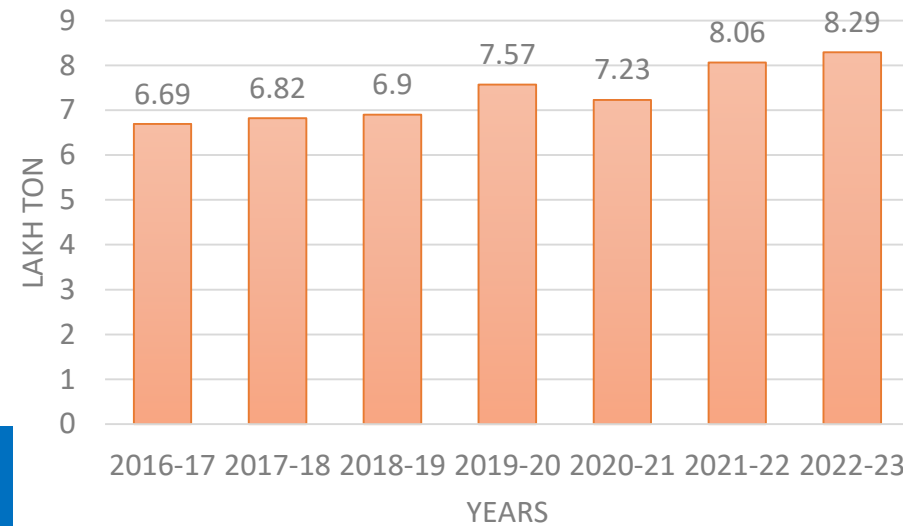
Marine Fisheries

Fishing Villages	608 (1,076 Km coast line)
	14 Districts
Fishing crafts	5,642 Mechanized boats
	42,006 Motorized boats
	4,190 Non-motorized boats
Fisher folk Population	10.48 lakh

Inland Fisheries

Inland Fisherfolk Population	2.36 lakh
Shrimp Farms	2,702 (5041.26Ha) (11 Districts)
Shrimp hatcheries	71 Nos

Fish Production



Fish Products Export (2021-22)

Quantity (MT)	1,23,157 MT
Value	Rs.6,957.67 crore 3

Fisheries Infrastructure

Marine Fisheries

Major Fishing Harbours	10
Medium Fishing Harbours	4
Fish Landing Centres	52
Fish Landing Points	251
Fishing Harbours under construction	5
Fishing Harbours under modernization	3



Inland Fisheries

Government Fish Seed Production Centers	11
Government Fish Seed Rearing Centers	39
Reservoirs under fishery resource management	62



Major Activities



- Fishermen Welfare
- Protection of traditional fishing rights of fishermen
- Increasing overall fish production of the State
- Rescue and Rehabilitation measures
- Sea safety measures
- Regulation and Enforcement of Acts and Rules
- Conservation and management of fishery resources
- Development of Inland Fisheries and Aquaculture
- Development and management of fisheries infrastructural facilities
- Skill development & capacity building of fishers
- Outreach and extension activities
- Management of Fisheries Co-operative Societies
- Strengthening of fish markets and marketing.

Promotion of Deep Sea Fishing in Palk Bay

- To phase out the unsustainable bottom trawling and to resolve the issues between Tamil Nadu and Sri Lankan fishermen
- Diversification of trawl fishing boats from Palk Bay into deep sea fishing by providing Rs.56 lakh subsidy
- 70% of the unit cost of Rs.80 lakh is given as subsidy
 - GoI-50% - Rs.40 lakh
 - GoTN-20% - Rs.16 lakh
 - Financial Institution-20% - Rs.16 lakh
 - Beneficiary contribution - Rs.8 lakh



Component of Deep Sea Fishing is continued in PMMSY with total Unit Cost of Rs. 120.00 Lakhs (50 DSFV Approved)

Works executed for development of Fishing harbours supported by GoI
before PMMSY and FIDF



Kasimedu Fishing Harbour



Poompuhar Fishing Harbour



Mookaiyur Fishing Harbour



Kunthukal Fish Landing Centre

PMMSY-Up-gradation of Fishing Harbour at Pazhayar Chennai fishing harbour and Construction of four integrated Fish Landing Centres at Nettukuppam, Thazankuppam, Arangankuppam and Goonankuppam a total cost of Rs 155.57 Crores

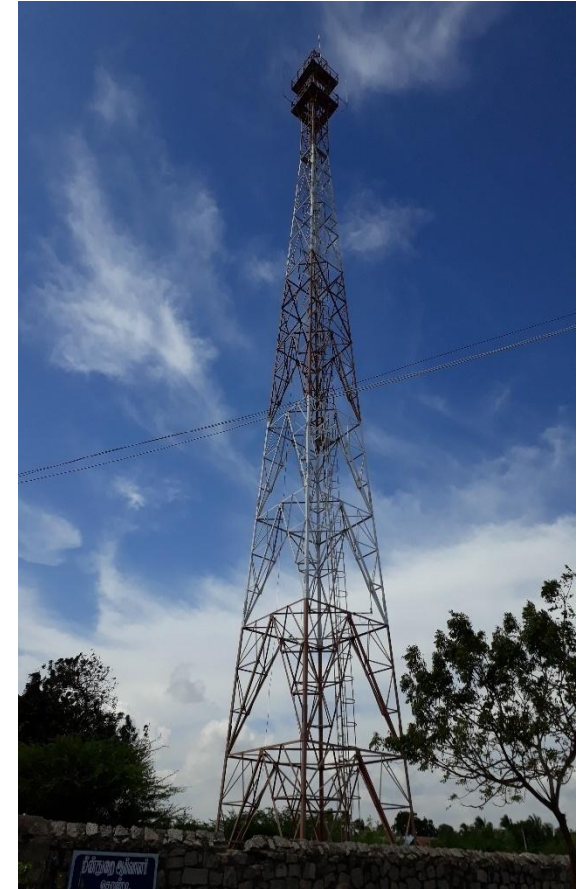
Monsoon preparedness (returning S E monsoon) & Search and Rescue

- Central Control Room functioning at Head office to disseminate weather conditions to fishermen.
- The incidence of missing boat/fishermen is being informed to Coast Guard and Navy to enable search and rescue.
- The details of the missing boat and fishermen are shared with neighboring States to conduct Search and Rescue.
- Tracking of missing boats is enabled through satellite phone

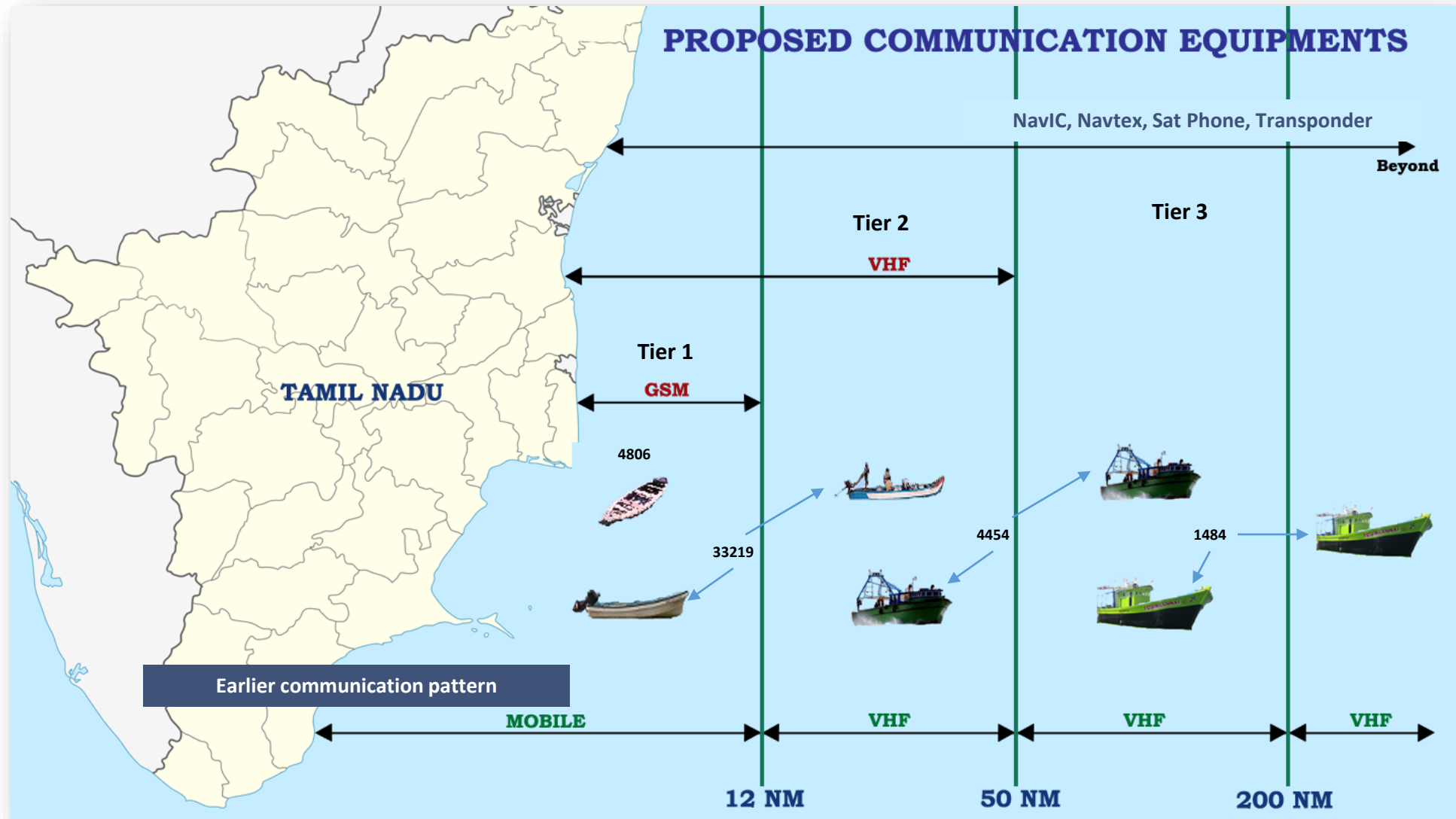


Seamless communication system for Marine fishermen

- Equipment provided by Government
 - 5-watt VHF sets - 15,004 Nos (To motorized crafts at 100% grant)
 - 25-watt VHF sets - 2,535 Nos (To mechanized fishing crafts at 75% subsidy).
- 18 VHF towers installed all along the coast to ensure seamless communication.
 - Department - 10
 - BSNL - 7
 - Police - 1
- 660 numbers of I-sat 2 BSNL Satellite phones issued to deep sea multi day boats in addition to 200 NaVic and 80 Navtex instruments.
- ISRO developed transponders - Fitted in 507 MFB on trial basis in Tamil Nadu.
- Fitment of upgraded Transponders in all mechanized fishing boats through ISRO is in progress (Rs 18.01 crore). 1645 Transponders fitted so far.
- Proposed for fitment of Transponders on 7373 No. of motorized fishing boats under the project of National Rollout of Vessel Communication and Support System in marine fishing vessels for MCS.



Present enhanced communication pattern



TNMFR Act 1983

Salient features of & rules

- Registration & Licensing of Fishing boat.
- Regulation of Fishing (Specified area/ no fishing zone / use of gear/ closed season)
- Resolution of Disputes (District Level Peace Committee)
- Search, seizure, impoundment & disposal of fishing vessel, gear and fish.
- Registration of boat building yards, net manufacturers & suppliers.
- To review the action taken by authorized officers/ Adjudicating officers, parties may appeal to Appellate authority
- Management and control of fishing harbours and fish landing centres.

TNMFR Act 1983

Salient features of & rules

- Motorized Country Craft <28 HP & ≥12M
- Mechanized Fishing Boats 240 HP & 24 M OAL (Beyond 5 Nm)
- Deep Sea Fishing Vessels > 240 HP & >24 M OAL (Beyond 12 Nm)
- Inclusion of 'Inspection Officer' to conduct inspection of fishing boats.
- Mandatory provision of 'Fishing boat driving license' for operating mechanized fishing boats.
- Mandatory provision of Prescribed Colour Code to be painted in the fishing boats. (Pale Green for TN)

Regulations on fishing

- Gill net with less than 25 mm mesh size should not be used.
- Shrimp Trawl net – mesh size less than 37 mm at cod end should not be used.
- Fish Trawl net – mesh size less than 75 mm at wings and 40 mm at codend should not be used.
- Trawl net – should be fixed with Turtle Excluder Device (TED) in the codend.

Regulations on fishing

- Fishing by pair trawling and Purse-seine net is prohibited.
- Fishing within 100 meters below a river mouth is prohibited.
- No fishing zone can be declared by a notification.
- Marine Enforcement Wing headed by SP is functioning with sanctioned strength of 92 police personnel to enforce TNMFR Act



Coastal Aquaculture and Mariculture Activities in Tamil Nadu

- **Coastal Aquaculture – Shrimp farming**

- Potential Brackish water area 56,000 ha.
- Shrimp farms – 2,702Nos.
- Total culture area – 5,041.26 ha(WSA)

Shrimp production

Year	Production (MT)
2011-12	15,272
2019-20	44,777
2020-21	44,816
2021-22	39,208
2022-23	39,623



Tiger Prawn (*Penaeus monodon*)

Brackish water Aquaculture

- ❖ The nutrient rich backwaters and creeks available - 56,000 ha offers tremendous opportunities to develop coastal aquaculture
- ❖ Land based shrimp farming viz., 2227 farms of 4322.56 ha (WSA) (Registered under CAA).
- ❖ 71 shrimp hatcheries in the State, caters to Specific Pathogen Free (SPF) *Penaeus vannamei* seed supply for the farms.



Regulation of Shrimp Farm Activities

- Coastal Aquaculture Authority (CAA) Act 2005 (CAA Amendment Act 2023) and its notification of Rules & Guidelines have been formed by the Central Government.
- Coastal Aquaculture Authority notified the CAA (Amendment) Rules 2022.
- Provision given for constituting, Sub Divisional Level Committee (SDLC) and District Level Committee instead of District Level Committee (DLC) and State Level Committee (SLC).

Cage Culture in Tamil Nadu

Sl. No	Scheme	No. of cages	Project cost (Rs. in lakh)
1	State Balanced Growth Fund	20	99.40
2	World Bank (TN-FIMSUI-II project)	45	225
3	NADP	10	53.63
4	State fund (GRRRP)	135	519.26
5	NFDB/TNJFU	50	138
6	NFDB/ CMFRI	60	315
7	With Own funds	50	NA
8	PMMSY (20-21)	10	50
9	PMMSY (21-22)	50	250
10	PMMSY (22-23)	25	55.00
	Total	455	1705.29



Cobia



Pompano



Sea bass



Lobster



Grouper



Seaweed Farming

- Seaweed farming is an opportunity for increasing the employment
- Expanding rapidly in recent years at global level.

Scheme	No. of Beneficiaries	No. of rafts/ Monoline	Subsidy (in lakh)
TN FIMSUL	450	3000	32.27
NFDB	75	3000	54.00
GRRRP	120	1200	14.90
PMMSY	1311	8160	142.47
Total	1956	15360	243.64



Per capita income

Net produce / raft / 45 day	200 kg
Dry (10:1 dry ratio)	20 kg
Total production /cycle/30 rafts (one beneficiary)	600 kg
For 4 cycles	2400 kg
Dry-weed price /kg	Rs.50/-
Harvest cycle (days)	45
Gross income for 5 cycle	1,20,000



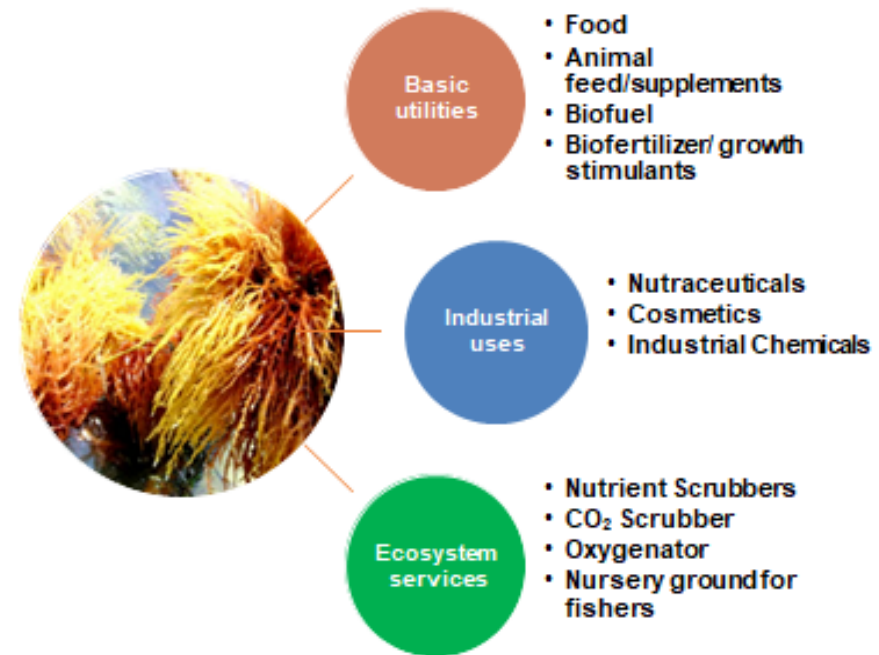
Establishment of Multipurpose Seaweed Park in Tamil Nadu

Project Outlay - Rs. 127 Crore

Major components:

- ❖ Identification of seaweed resources in Tamil Nadu coast.
- ❖ Establishment of Research and Development facility for Seaweed Sector.
- ❖ Skill Development and Capacity Building.
- ❖ Production of Quality seaweed seeds.
- ❖ Promotion of Seaweed Farming.
- ❖ Infrastructure facility for seaweed farming.
- ❖ Storage and Marketing Facilities.
- ❖ Monitoring and Surveillance of Seaweed Sector.

Uses of Seaweed



Inland Fisheries

Inland Fishery Resources	3.85 lakh ha
Reservoirs (62 No.)	62,015 ha
Large irrigation and short seasonal tanks	2,67,746 ha
Population of Inland Fishers (projected)	2.36 lakh
No of Inland Fishermen Cooperative societies	300
No of members in FCS	82,986
No of Inland Fisherwomen Cooperative societies	72
No of members in FWCS	7,883
Inland Fish Production (2022-23)	187,822.53 Tonnes

Govt. Fish Seed Production & Rearing Centers

❑ Fish Seed Production

- Govt Seed Production centres-10 Nos
- Early Fry production – 46.23 Crore (2023-24) till date.

❑ Fish Seed Rearing

- Govt seed rearing farms -38 Nos
- Fingerlings production - 3.29 Crore (2023-24) till date.



Reservoir Fisheries Management

- Fishery management in 54+8 reservoirs
- Reservoirs under lease - 38 Nos
- Fish production (2022-23) – 4,634 tonnes
- Revenue realised (2022-23)- Rs. 11.62 Cr
- Fishery Management
 - Licensing system; Share fishing; Leasing



River Ranching of Native Fish Species in Tamil Nadu

- Funding PMMSY 2021-22
- Total Project Cost - Rs.124 lakh
- Fish seeds to be ranched - 40 lakh FL
- 10 River Basin area coverage-2000 Km
- Capacity Building Training at 16 places



Governments farms selected

- Mettur Dam, Bhavanisagar, Manimuthar, Thanjavur, Nilgiris District
- Fish Species- *Labeo fimbriatus*, *Labeo calbasu*, Indian Major Carps and Common Carp



PMMSY- Tamil Nadu



Central fund allocation for five years (2020-21 to 2024-25)	Rs. 603 crore
Projects Approved during last 4 years (2020-21 to 2023-24) including Administrative expenses fund (2021-22)	
Total Project cost	Rs. 933.38 Crore (excluding Admin. expenses)
Total Central Share	Rs. 375.42 Crore (excluding Admin. expenses)
Total Amount released by GoI	Rs. 44.03 Crore (2020-21) and 87.49 Crore (2023-24)
Total Amount to be released by GoI	Rs. 243.90 Crore
Release amount utilized from PMMSY funds	Rs. 44.03 Crore



*GoI share of Rs. 262.42 crore is utilized from the funds available in the PMMSY SNA account (BR & PMMSY fund)

PMMSY 2020-21



Total Sanctioned Projects	23
Beneficiary oriented projects	20
Non Beneficiary oriented projects	3
Total project cost	Rs. 69.8875 crore
Gol Share released	1 st Instalment of Rs. 13.67 crore (*Rs. 21.64 crore utilized) 2 nd Instalment of Rs. 6.84 crore is release in 2023-24
Out of 23 activities, 15 activities completed, 7 activities surrender proposal has been submitted and the remaining 1 activity will be completed by March 2024	
UC submitted for an amount of Rs. 13.6707 crore	



* Gol share is being utilized from the funds available in the PMMSY SNA account (BR & PMMSY fund) and funds released in 2023-24

PMMSY 2021-22



Total Sanctioned Projects	31
Beneficiary oriented projects	30
Non Beneficiary oriented projects	1
Total project cost	Rs. 186.35 crore
Gol Share *	Rs. 55.27 crore (9.61 crore utilized from BR fund)
State Share **	Rs. 36.85 crore (6.40 crore utilized)

Proposal of Livelihood support during ban period of Rs. 76.50 Crore approved separately, with Rs. 25.50 Crore released under it.

Rs. 3.93 crore released for Upgradation of Pazhayar Fishing Harbour in Mayiladuthurai District, Tamil Nadu under CSS component of PMMSY. The Total project cost is Rs. 26.26 Crore with Central Share of Rs. 15.76 Crore and State share of Rs. 10.50 Crore. Rs 0.92 crore released for Administrative expenses

Out of 31 activities, 3 activities completed and remaining 28 activities works are in progress.

Gol share of Rs. 13.82 Crore release in 2023-24



* Gol share is being utilized from the funds available in the PMMSY SNA account (BR & PMMSY fund) and funds released in 2023-24. UC submitted for full utilization of release amount.

PMMSY 2022-23



Total Sanctioned Projects	19
Beneficiary oriented projects	18
Non Beneficiary oriented projects	1
Total project cost	Rs. 43.05 crore
Gol Share	Rs. 15.54 crore
State Share	Rs. 11.86 crore

Gol share of Rs. 51.95 Crore released in 2023-24

Administrative approval has been issued from Gol and GoTN on 23.02.2023 & 10.07.2023 respectively

Out of 19 activities, 3 activities completed and remaining 16 activities works are under progress

Livelihood proposal approved at Rs. 85.66 Crore for 2022-23 and at Rs. 97.54 for 2020-21) (Also 3 Infrastructure projects of Rs. 31.37 crore, Artificial reef proposal of Rs. 62.00 crore and Seaweed Park for Rs. 127.71 crore

* Gol share is being utilized from the funds available in the PMMSY SNA account (BR & PMMSY fund) and funds released in 2023-24.

PMMSY 2023-24



Total Projects	22
Beneficiary oriented projects	21
Non Beneficiary oriented projects	01
Total project cost	Rs. 126.04 crore
Gol Share	Rs. 43.41 crore
State Share	Rs. 64.74 crore (Yet to be released)

Gol share of Rs. 10.94 Crore released in 2023-24

Administrative approval Issued by Gol on 12.09.2023 & 13.03.2024 and by GoTN on 11.12.2023

* Gol share is being utilized from the funds available in the PMMSY SNA account (BR & PMMSY fund) and funds released in 2023-24

Thank You