



MCS and its Enforcement Measures in India

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India Marine Fisheries Resources

Resources

Length of coastline

Exclusive Economic Zone

Fishermen population

Fish Landing Centers

Fishing Villages

Fishing Vessels

Potential

8,118 km

20.2 lakh sq. km

37,74,577

1,547

3,477

2.48 lakh

Resource Potential
Fish production (2022-23)

53.1 Lakh MT

44.3 Lakh MT



India's Marine Fisheries Potential

Resource Potential in Indian EEZ 5.31 MMT (2018)

SI. No.	Estimated Resources Potential (Lakh Tons)		Percentage of Potential yield
1	Demersal	22.98	43.2%
2	Pelagic	26.32	49.5%
3	Oceanic	2.31	4.4%
4	Island & others	1.49	2.9%
	TOTAL	53.10	100%

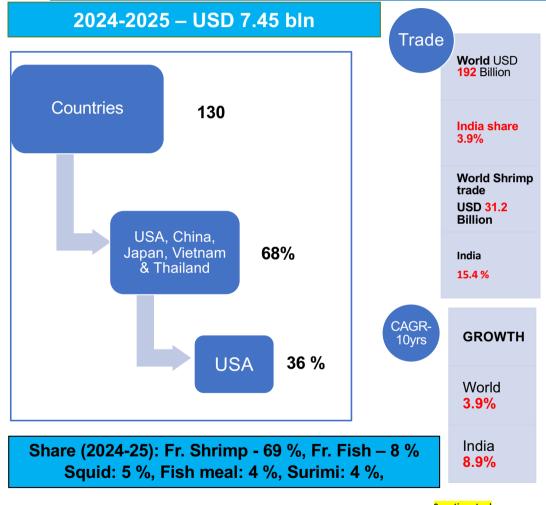
Resource potential of the oceanic resources of Indian EEZ.

Species	Potential (t)
Yellowfin tuna	83,500
Skipjack tuna	99,500
Bigeye tuna	420
Albacore	112
Swordfish	6,500
Sailfish	5,200
Marlins	6,600
Pelagic sharks	25,000
Other species	4,000
Total	2,30,832

Fish production (2022-23)

4.43 MMT

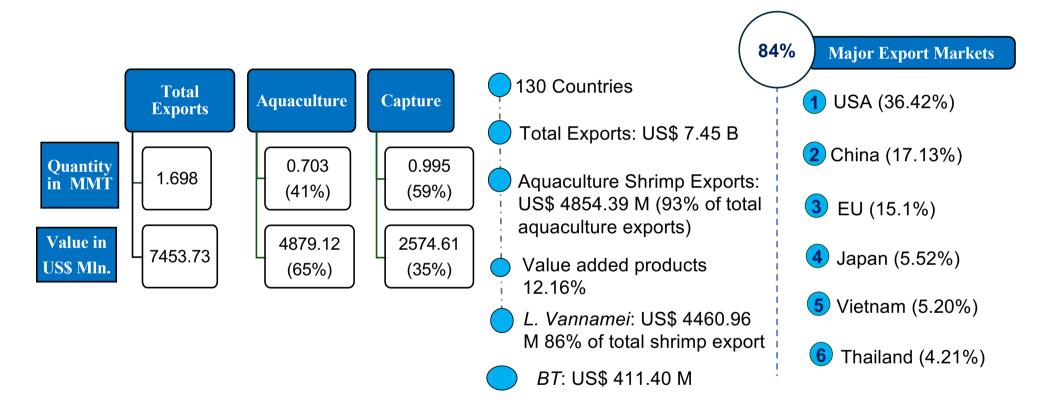
India - Status of Seafood Exports



Particulars	2024-25
Exports (Rs. Crore)	62,408
Registered Exporters	1305
No of seafood processing Plants	658
Total installed capacity (MT /day) (30 % utilization)	38,879
Marine production (MMT)	3.45 (CMFRI 2024)
Aquaculture shrimp production (MMT)	₅ 1.25

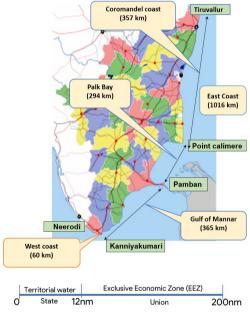
* estimated

India - Marine Products Export Performance - 2024-25



Tamil Nadu Marine Fisheries Overview





Coastline	1068.69 km		
Coastal Districts	14 Districts		
Fishing Villages	608		
Fisher folk population	10.48 lakh		
Fishing crafts			
Mechanized fishing boats	5,025		
Mechanized fishing boats Motorized fishing crafts	5,025 35,568		

14 coastal districts of Tamil Nadu are bounded by the Bay of Bengal in the East, the Arabian Sea in the west and the Indian Ocean in the south.



Puducherry Marine Fisheries Overview



1	Coastline Length (Km)	45
2	Population (lakhs)	12.44
3	Land Area (Sq Km)	479
4	Territorial Waters (Sq Km)	1408
5	Lagoon*/Continental Shelf (Sq Km)	1000
6	EEZ (Sq Km)	18,047

Puducherry Marine Fisheries Status

Fisheries Potential (MT)	61,302
Fish Catch/Landing (MT) (%)	47,012 (76.68%)
Major Species	Sardines, Seer fish, Pomfrets, Mackerel, Tunas, Shrimp, Cuttlefish, Ribbon fish etc.
Registered Fishermen (Full time) (%)	48,000 (3.86%)
Registered Vessels	6123
Method of Fishing and Fishing Gears	Trawling and Gill netting

Motorized	Motorized	Non-	Total
Mechanical	Non-Mechanical	Motorized	
751	3513	1859	6123

Marine Fishing Regulations

MFRAs in India: State-level legislations designed to manage and regulate fishing activities

1.	Registration	of fishing	Vessels
	3.0.0		

- 2. Licensing of fishing vesels
- 3. Fishing ban
- 4. Minimum Legal Size (M.L.S.)
- 5. Mesh size regulation
- 6. Mesh type regulation (square cod end)
- 7. Ban on light fishing
- 8. Ban on Bull/pair trawling
- 9. Use of TED/BRD
- 10. Prohibition of destructive fishing method

- 11. Colour code of fishing vessels
- 12. Regulating fishing area
- 13. Regulating boat building yards
- 14. Regulating net manufacturing units
- 15. Regulating Engine capacity & power
- 16. Length of boat
- 17. Vessel monitoring system
- 18. Ensuring life saving equipment on board
- 19. Regulating labour
- 20.Insurance of boat & crew

Strengthened by

Sustainable Harnessing of Fisheries in EEZ Rules 2025 &
National Traceability Framework in Fisheries & Aquaculture 2025
National and State Laws

Tamil Nadu Marine Fisheries Regulation Act 1983

- Regulate the fishing activities and ensure equitable sharing of resources
- Promote sustainable fishing practices and conservation of resources
- Ensure livelihood of fishers
- Undergone numerous amendments
- Major amendments have been made in the year 2016
- Every fishing vessel shall be register under this Act and obtain license for fishing
- Mechanised fishing vessel fishing only beyond 5 nautical miles
- Deep sea fishing vessel fishing only beyond territorial waters
- Prohibited gears shall not be used for fishing (pair trawling/ Purse Seining and the use of artificial LED lights in fishing.)
- Fishing vessels shall have sea safety measures, surveillance and communication systems



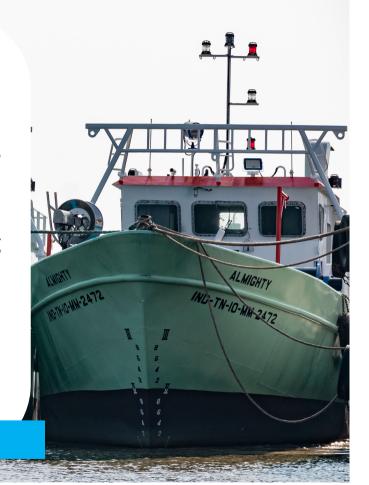
Prohibits

- Unlawful activities other than fishing;
- Fishing of any fish species declared as protected fish species under Wild Life (Protection) Act, 1972
- Protects and Conserves Sea Turtles by
 - Installation of Turtle Excluder Devices (TED) is a mandatory in the trawl nets.
 - Prohibiting all fishing vessels from fishing in a radius of 5 nautical miles around the potential nesting and breeding sites of sea turtles

Tamil Nadu Marine Fisheries Regulation Act 1983

- Every fishing vessel shall carry the registration mark
- Every fishing vessel shall be painted in such manner as may be prescribed by the Government
- Every boat building yard unit, fishing net manufacturing unit or supplying unit shall be registered
- Persons below eighteen years of age shall not be engaged in fishing vessel.

Penalties: Imposing fines and impounding vessels



Tamil Nadu Marine Fisheries Regulation Act 1983

Inspecting officer	Inspector of Fisheries
Authorized officer	Assistant Director of Fisheries
Adjudicating officer	Regional Deputy / Joint Director of Fisheries
Appellate Authority	Director/Commissioner of Fisheries

Supported by Marine Enforcement Wing – Formed during 2019

- For effective enforcement of the Tamil Nadu Marine Fishing Regulation Act
- To Conduct patrolling in the sea for enforcing the regulations
- To Prevent illegal fishing, destructive fishing and the use of banned fishing nets.
- To Maintain law and order situation during fishing activities.

Inter-Agency Cooperation

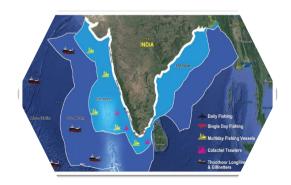
Collaboration between the Department of Fisheries, Coastal Police, and the Indian Coast Guard

Implementation and Enforcement Mechanism

- Online registration and licensing of all fishing vessels through ReALCraft.
- Colour coding of fishing vessels.
- Implementation of Vessel Monitoring System (VMS)- Two-way MSS Transponders
- Periodic sea patrols and enforcement checks
- Regular inspections of vessels
- Enforcing fishing ban period East coast 15th April to 14th June; West coast 1st June to 31st July
- Preventing prohibited gears, regulating mesh size
- Annual physical verification of all Fishing boats
- Enforcement drives jointly with Forest Department in protected marine areas
- Use of digital token systems at Fishing harbours/fish landing centres for monitoring daily fishing activity

MCS Measures adopted

- Vessel Identification: Mandating fishing vessels to display their registration numbers prominently and fly the Indian flag.
- Fishermen Identity: Issuance of Biometric Identity Cards to marine fishers
- Tracking (VMS/Transponders): Fitment of Communication and Tracking Devices (like VHF/SAT PHONE/DAT/NAVIC/Transponders) on fishing vessels for real-time monitoring and surveillance.











Data collection

SI. No	Agency	Purpose	Method
1	FSI	Stock assessment	Exploratory Fisheries surveys
2	CMFRI	Catch statistics, Stock assessment, Research	Stratified Random sampling
3	MPEDA-NETFISH	Catch Certification for Export	Real time data collection by engaging Harbour Data Collector & Online portal for validation
4	Fisheries Dept	Catch statistics & Policy decisions	Multistage Sample survey

Ensuring Traceability through Catch certificates

To fulfil the EU Regulation 1005/2008, MPEDA is mandated to validate Catch certificates from 01 January 2010 onwards

Online validation of catch certificate fully from 1st April 2019

Real time catch data from the fishing vessels to ensure the traceability

Catch Certificate Process





Fishing Vessel arrival at Harbours



Collection of Boat & catch details



Upload to MPEDA's Catch Certificate Portal



Exporters generate the Catch Certificate through the MPEDA's Catch Certificate portal



MPEDA validates the Catch Certificate



Issuance of Catch Certificate to exporters

https://c-cert.mpeda.gov.in/





EUROPEAN COMMUNITY CATCH CERTIFICATE (Issued by Competent Authority of India) (Simplified form for fishery products fulfilling the requirements in Article 6 of

Document number		Validating Authority (Name, address, tel., fax)				
1. Description	of Product	2. Re	ferences of ap	pplicable conservat	ion and mana	gement measures
Species		Produ	act Code		Verified We	right landed (kg)
3. List of vesse annexed)	ds who have provid	led catches a	nd quantities	by each vessel(name	ne, registration	n number etc.
4. Name, addre	ess, tel and fax of I	Exporter -	Signatu	are Dai	A A	Scal (Stamp)
5. Flag State as	athority Validation	A ST			1	
Name / Title		89	Signati	are Dan	e	Seal (Stamp)
				100		
6. Tronsmort de	tnike		100			-
6. Transport de Country of exportation	Port/airport/ other place of departure	Date of shipment	vessel name and flag	Flight/airway/ Truck/Railway other transport number/bill number	Shipped to	Container numb

Measures to Strengthen MCS

Low-Cost Tracking devices

Digitalizing MCS, use of Drones & Satellites

Unified real time data collection & Integration

Skill and Capacity building Training

Co-management with community participation



Thank You