

# FAO Regional Workshop on Opportunities and Challenges in Economic and Post-harvest Issues Related to Market Access for Fisheries and Aquaculture Products

1-3 October 2024 - Bali, Indonesia



Dr. Abhilaksh Likhi Secretary, Department of Fisheries Government of India



# Government of India Ministry of Fisheries, Animal Husbandry & Dairying Department of Fisheries



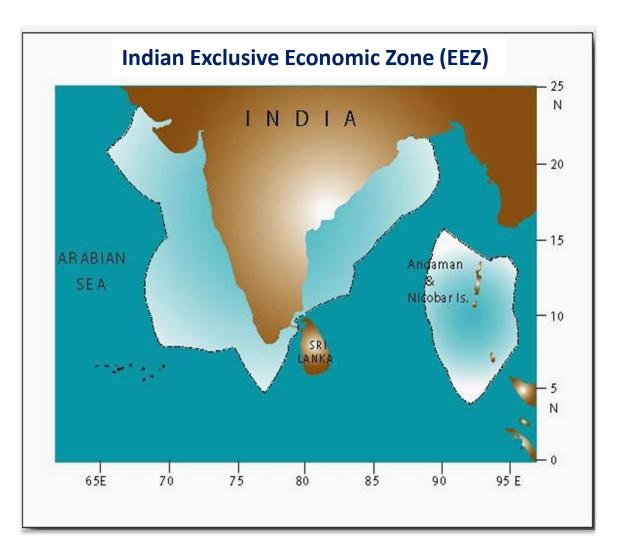
#### **Fisheries Resources of India**

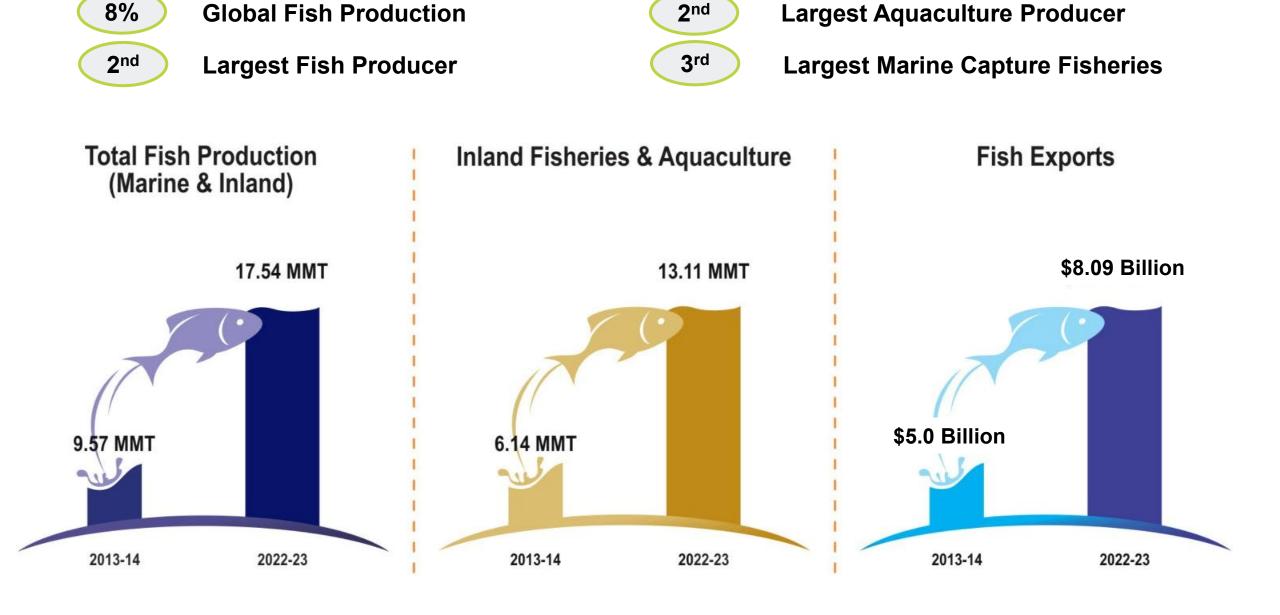
#### **Marine**

Length of Coastline	8118 km
Exclusive Economic Zone	2.02 MN sq. km
Continental Shelf	0.53 MN sq. km
Coastal Fishing Villages	3477 nos.
Fish Landing Centres	1457 nos.
Fishing Harbours	70 nos.

#### Inland

Length of Rivers	0.190 MN km
Brackish water	1.412 MN ha
Wetland	0.743 MN ha
Tanks & Ponds	2.212 MN ha
Reservoir	3.150 MN ha





#### **Investment in Fisheries Sector**

USD 5.31 Billion since 2015

Blue Revolution Scheme (2015-20) Fisheries & Aquaculture Infrastructure Development Fund (2018-26) Pradhan Mantri Matsya Sampada Yojana (2020-25) Pradhan Mantri Matsya Kisan Samridhi Sah-Yojana (2023-27)









# Production & Productivity

Post-harvest Infrastructure

**Pillars** 

**Regulatory Framework** 

**Strategic Drivers** 

- ☐ Fishers & Fish farmers
- Women/Youth
- ☐ FFPOs
- Cooperatives
- ☐ SHGs
- ☐ Livelihoods

- ☐ Recirculatory Aquaculture System/Biofloc/Raceways
- □ Aquaparks
- ☐ Aquatic Health Management
- ☐ Reservoir & Open Sea Cage Culture
- Advanced Fishing Vessels
- ☐ Smart Integrated Harbour
- ☐ Fisheries Startup Ecosystem
- □ Drone Applications
- ☐ Training & Extension Services

- □ Value chain Efficiency
- □ Safe Fish
- ☐ Sustainable Initiatives









# **Regulatory Framework**

- Marine Fisheries Regulation Acts
- ☐ Coastal Aquaculture Authority Act, 2005
- Marine Products Export Development Authority Act, 1972
- ☐ Maritime Zones of India (Regulation of Fishing by Foreign Vessels) Act, 1981
- Export (Quality Control And Inspection)Act, 1963
- ☐ Livestock Importation Act, 1898

- ☐ Food Safety & Standards Act, 2006
- ☐ Wildlife (Protection) Act,1972
- ☐ Biological Diversity Act, 2002
- ☐ Environment (Protection) Act, 1986
- ☐ Merchant Shipping Act, 1958
- ☐ Indian Ports Act, 1908
- Water (Preservation and Control of Pollution)Act, 1974
- ☐ Multi State Co-operative Society Act, 2002









# **Sustainable Fishing Practices**

- ☐ Uniform Fishing Ban for 61 days annually
- ☐ Sea ranching for replenishing fish stock
- ☐ Artificial reef for restoring ecosystem
- ☐ Transponders for Vessel Surveillance
- □ ReALCaft for online Vessels Registration & Fishing License, improving accountability and security
- ☐ Minimal Legal Size of fish to prevent juvenile catch
- Ban on harmful fishing practices
- ☐ Fishing Gears & Mesh size regulations
- ☐ National Coastal Mission for conservation and management
- ☐ Community awareness programs for safety and sustainability



#### **Focus on Post-harvest Infrastructure**

- Resource Specific Fishing Vessels, Vessel Upgradation, Motorised Crafts & Safety Kits
- Construction/ Modernisation/Maintenance of Fishing Harbours
- Ice Plants/Cold Storages
- Construction/ Modernisation of Fish Landing Centres

#### Investment Approved: About US\$ 1400 Million

#### **Smart, Blue & Green Components**

- Radio Communication Center
- Smart Technology (IoT, RFID, AI, Online Auction)
- Communication & Connectivity
- Safety & Security Measures
- Navigational & Radio- communication equipment
- Ecofriendly Green Ports





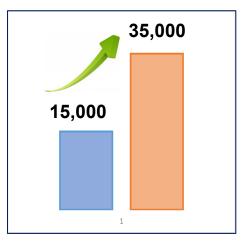


#### Fish Processing Infrastructure in India

Entity	No.
Registered Exporters	1,322
Work Force Engaged (approx.)	2.0 Lakh
Value added Exporters	6 (large)/190 (small)
Processing Plant 68 % are EU approved	635
Peeling Shed	604
Handling Centres	
Fresh/chilled fish handling centre	59
<ul> <li>Live fish handling centre</li> </ul>	53
Dried/salted fish handling centre	118
Cold Storages	674



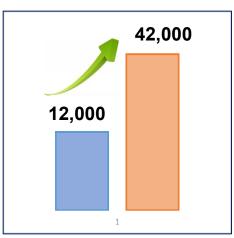
#### **Outcomes Since 2014-15**



4.2 Lakh
2.0 Lakh

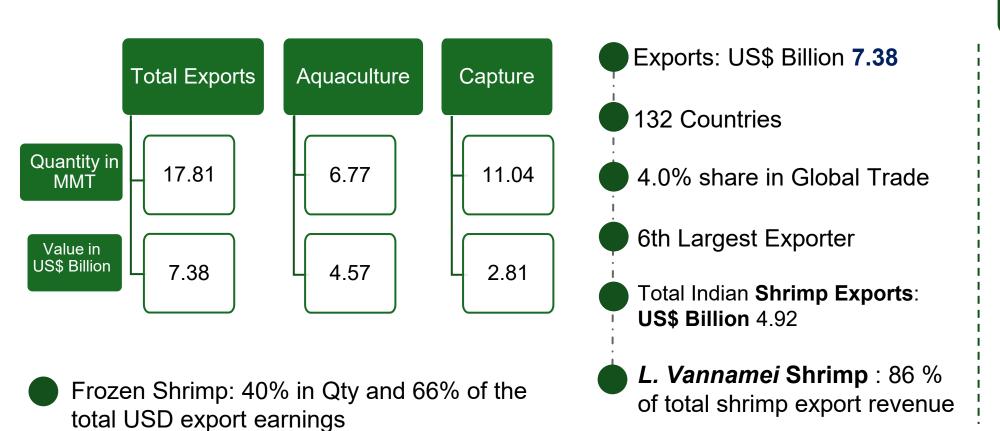
Processing Capacity tonnes/day

Cold Storage Capacity tonnes/day



Berthing for Fishing Vessels at Fishing Harbours /Landing Centres

# **Seafood Export Performance-India FY 2023-24**



#### **Major Export Markets**

- **1** USA (34.5%)
- 2 China (18.76%)
- **3** Japan (5.42%)
- 4 Vietnam (5.30%)
- **5** Thailand (3.82%)
- **6** EU (14%)

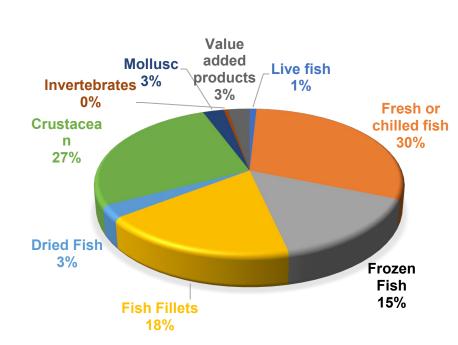
# 18 US\$ Billion Seafood Export Projection by 2030

# **Seafood Import Performance-India FY 2023-24**



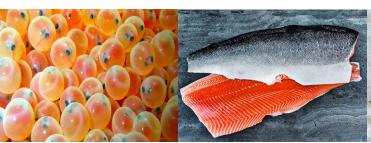
- | Import : MT **66639**
- 61 Countries
- Compared with exports, import of marine products constitutes about 3%
- Trade is Surplus





#### **Major Import Markets**

- 1 Bangladesh (24.5%)
- **2** USA (13.60 %)
- **3** Myanmar (11.23%)
- 4 China (9.93%)
- **5** Vietnam (8.20 %)
- **6** Japan (3.56 %)













# **Export Promotion through Value Addition**

#### Issues

- □ Strengthening Infrastructure like cold chain facilities & hygienic handling.
- ☐ Plugging Skill Deficits
- Export of value-added products from indigenous raw material
- ☐ Import of raw material for value addition and re-export.

# **Way Forward**

Enhance processing facilities through Individual Quick Freezing (IQF) **Machineries** 

Support for breaded & battered lines

State-of-art facilities like quality testing **laboratories** 

Advanced packaging











# **Strengthening Market Access and Ease of Doing Business**

National Surveillance Programme on ☐ Sanitary Import Permit (SIP) processing time slashed down from 20-30 days to just 3-5 days. Aquatic Animal Diseases (NSPAAD) ■ Disease Diagnostic Centre & Quality ☐ No SIP requirement for import of shrimp broodstock & Testing Labs, Mobile Centres, Testing fish oil/related oils. Labs & Aquatic Referral Labs ■Species Diversification and Genetic ☐ The Coastal Aquaculture Authority (Amendment) Act, 2023 & Streamlined CAA Rules 2005 for Faster Farm Improvement Registration and Renewal. Marine Mammal Stock Assessment Project to meet the US requirements ☐ Policy support for Nucleus Breeding Centre (NBCs) and Broodstock Multiplication Centres (BMCs) Financial Support for installation of Turtle Excluder Device (TED) is under consideration ■ Antibiotics free input certification through CAA

#### **BluCatch-Startup**

#### **Innovations**

#### **NETFISH-MPEDA**

BluCatch, an innovative fisheries-based community startup-pioneering the digital transformation of India's fishing harbors.

Founded in 2023, Mumbai, Maharashtra

- BluTrade ~ Data-driven seafood supply & demand.
- BluMoney ~ Financial credibility in marine industries.
- BluMarket ~ Marketplace for marine essentials.
- BluView ~ Real-time weather & PFZ insights.
- BluCommunity ~ Building connections for a better future.

Network for Fish Quality Management & Sustainable fishing Estd 2007, Cochin, Kerala

- □ Capacity Building
  - Resource Conservation
  - Sustainable Fishing
  - Quality Management
  - Reduce post harvest losses
- □ Traceability
  - Data collection-to support catch certification







# Way Forward..

#### **Capture Fisheries**

- Promotion of Resource-Specific Fishing, Deep-Sea & High Sea Fishing
- Development of Island Fisheries: Andaman Nicobar Islands & Lakshadweep Islands

#### Aquaculture

- Inland Saline areas
- Insurance incentives to Aquaculture Sector

#### **Quality Assurance**

- Residue Control, Traceability, Certification & Compliance
- Testing Infrastructure for Seed, Feed and other Aquaculture Inputs

# Value Addition and Brand Promotion

- Focus on Value
   Addition, Branding
   and Marketing,
   Seafood Festivals etc
- New Markets & Deepening of Existing Markets









# Viksit Bharat@2047

#### India's G20 Presidency Consensus on Fisheries:

- ☐ Sustainable fishing practices to combat overfishing and conserve marine resources
- ☐ Combating illegal, unreported, & unregulated (IUU) fishing
- □ Fostering innovation for food security & livelihood development
- ☐ Promoting responsible seafood trade practices
- Mission Life, a global movement to encourage sustainable practices
- □ "Suchitwa Sagaram, Sundara Theeram" to make sea & coast plastic free
- □ "Swachh Sagar, Surakshit Sagar (Clean Coast, Safe Sea)" campaign
- ☐ Use of green fuels in marine fishing





